Agenda

Planning Commission - Regular Meeting
City and Borough of Juneau
Mike Satre, Chairman

October 13, 2015
Assembly Chambers
7:00 PM

I. ROLL CALL

II. APPROVAL OF MINUTES

A. September 9, 2015 Regular Planning Commission Meeting Minutes

B. September 22, 2015 Regular Planning Commission Meeting Minutes

III. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS

IV. PLANNING COMMISSION LIAISON REPORT

V. RECONSIDERATION OF THE FOLLOWING ITEMS

VI. CONSENT AGENDA

A. CSP2015 0015, Planning Commission review of the City project to reconstruct the section of Stephen Richards Memorial Drive between Meander Way and Riverside Drive.

VII. CONSIDERATION OF ORDINANCES AND RESOLUTIONS

VIII. UNFINISHED BUSINESS

IX. REGULAR AGENDA

A. AME2015 0014, Planning Commission review of Preliminary Draft Juneau Wetlands Management Plan Update.

X. BOARD OF ADJUSTMENT

XI. OTHER BUSINESS

XII. DIRECTOR'S REPORT

A. Memorandum to Planning Commission regarding Auke Bay Steering Committee

XIII. REPORT OF REGULAR AND SPECIAL COMMITTEES

A. June 25, 2015 Wetland Review Board Meeting Minutes

B. August 27, 2015 Draft Marijuana Committee Meeting Minutes

XIV. PLANNING COMMISSION COMMENTS AND QUESTIONS

XV. ADJOURNMENT

Regular Planning Commission Meeting
CITY AND BOROUGH OF JUNEAU
Mike Satre, Chairman

September 8, 2015

I. ROLL CALL

Mike Satre, Chairman, called the Regular Meeting of the City and Borough of Juneau (CBJ) Planning Commission (PC), held in the Assembly Chambers of the Municipal Building, to order at 7:00 pm.

Commissioners present: Mike Satre, Chairman; Dennis Watson, Vice Chairman; Michael LeVine, Nicole Grewe, Ben Haight, Matthew Bell, Paul Voelckers

Commissioners absent: Bill Peters, Dan Miller

Staff present: Rob Steedle, Deputy City Manager and Acting Community Development Director; Beth McKibben, Planning Manager; Laura Boyce, Senior Planner; Eric Feldt, Planner II, Chrissy McNally, Planner II; Jonathan Lange, Planner II; Rorie Watt, Public Works Director; Robert Palmer, Assistant City Attorney

II. APPROVAL OF MINUTES

- August 11, 2015 – Regular Planning Commission Meeting Minutes

MOTION: *by Ms. Grewe, to approve the minutes for the August 11, 2015, Regular Planning Commission meeting with any minor modifications by staff or Commission members.*

The motion was approved with no objection.

III. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS - None

IV. PLANNING COMMISSION LIAISON REPORT

Assembly Liaison Loren Jones reported that the Subdivision Ordinance was passed with one amendment at the last Assembly meeting. There was some discussion, noted Mr. Jones, that the Subdivision Ordinance was being enacted by the staff in a different way. That should be

DRAFT

coming back to the Planning Commission at its Committee of the Whole meeting slated for September 22, (2015) said Mr. Jones. This chiefly addresses the issues of defining frontage and access, he added.

The Assembly received a report from the hearing officer on the Bicknell appeal, said Mr. Jones. The assembly accepted the report noting that it was a legislative decision. The Assembly did not accept the portion of the report where the Hearing Officer stated that the Planning Commission did not have sufficient findings for its decision, said Mr. Jones. On a 5 - 4 vote the Assembly voted not to bring an ordinance over to rezone the property, he said. Therefore the property remains in Rural Reserve, he noted.

There will be an Assembly Committee of the Whole meeting Thursday, (September 10,2015) at 8:00 a.m. to discuss Bridge Park, said Mr. Jones. With bids going out for the sea walk and for the whale sculpture, the application period has been extended for 30 days beyond the date stated in the Request for Proposal (RFP), said Mr. Jones.

V. RECONSIDERATION OF THE FOLLOWING ITEMS - None

VI. CONSENT AGENDA

SMF2015 0006:	Final Plat for 15 new lots for Phase 2B Montana Creek West Planned Unit Development.
Applicant:	Bicknell, Inc.
Location:	Montana Creek Area

Staff Recommendations

Staff recommends that the Planning Commission adopt the Director's analysis and findings and grant the requested Final Plat permit. The permit would allow for the recordation of 15 new lots with the following condition:

The applicant should consider amending the Planned Unit Development in regard to sidewalk design so that future phases would be reviewed for conformance with the potentially revised sidewalk plan.

MOTION: *by Ms. Grewe, to approve the Consent Agenda as read with staff's findings, analysis and recommendations including the recommendation by Planner Eric Feldt regarding the final plat.*

The motion was approved with no objection.

VII. CONSIDERATION OF ORDINANCES AND RESOLUTIONS - None

VIII. UNFINISHED BUSINESS - None

IX. REGULAR AGENDA

DRAFT

AME2015 0009:	Proposed changes to Title 49 Table of Permissible Uses for marijuana establishments.
Applicant:	City and Borough of Juneau
Location:	Borough-wide

Staff Recommendations

Staff recommends that the Planning Commission forward its recommendation of approval to the Assembly of Ordinance 2015-39 as recommended by the Title 49 Committee, with the exception of the recommended change to allow marijuana retail in the Rural Reserve (RR) zone district.

Ms. McNally explained that Alaska Statute (AS) 17.38 was the law passed in November, 2014. The state regulations are scheduled to be complete by November 24, 2015, said Ms. McNally. In January of this year the Assembly passed a local moratorium postponing permit applications for marijuana establishments to give time for the City and the State to complete the regulations, she said. An ordinance has been introduced to the Assembly to move this date to December 31, (2015) said Ms. McNally.

The State Marijuana Control Board has established four types of marijuana establishments, said Ms. McNally: marijuana cultivation facilities, marijuana product manufacturing facilities, marijuana testing facilities and retail marijuana stores. The staff looked at the existing categories within the Table of Permissible Uses (TPU) to see where these categories might fall, noted Ms. McNally. Many interviews were conducted with counties and municipalities within the states of Colorado and Washington, garnering their experience with these types of facilities and the accompanying land-use codes, said Ms. McNally.

This information was used to determine if the existing use categories were adequate or if a new use category for marijuana establishments was necessary, she explained. The staff recommended a new use category is the appropriate approach for regulating marijuana establishments in Title 49 of the Land Use Code, said Ms. McNally. In general, the staff recommended that no marijuana establishments be allowed in residential zoning districts, or within the Waterfront Commercial (WC) and Waterfront Industrial (WI) districts. In addition, all marijuana establishment proposals would require a Conditional Use Permit, explained Ms. McNally.

Marijuana Cultivation

The Marijuana Committee made three changes to staff recommendations for allowed zoning districts, said Ms. McNally. The Committee moved to allow marijuana cultivation in the D1 zoning district outside the urban service boundary of the community and it further moved to allow marijuana retail in the WC and the WI districts, said Ms. McNally. No changes to the allowed zoning districts were recommended for marijuana cultivation, said Ms. McNally. The motion failed within the Marijuana Committee to remove cultivation from the D-1 zoning district based on the intent to treat all residential zoning districts equally, noted Ms. McNally.

DRAFT

The staff created a new use category at the recommendation of the Marijuana Committee within the Table of Permissible Uses for marijuana cultivation within the Rural Reserve and the D1 zoning district outside the urban service boundary and for Light Commercial, General Commercial and Industrial zoned districts, she added.

Product Manufacturing
The staff found product manufacturing to be most consistent with Medium Manufacturing, said Ms. McNally. The Marijuana Committee did recommend for this use to be allowed in the Light Commercial zoning district with a Conditional Use Permit, she added. However, the Title 49 committee recommended that this recommendation be removed, she said, since Medium Manufacturing was not allowed in Light Commercial districts. The Title 49 Committee also added product manufacturing to the Rural Reserve zoning district, said Ms. McNally.

Marijuana Testing Facility
The Title 49 Committee recommends allowing marijuana testing facilities in the RR District with an approved Conditional Use Permit. This recommendation is consistent with the allowed zoning districts for other research laboratory uses, noted Ms. McKibben.

Marijuana Retail Store
The Title 49 Committee added marijuana retail to the Rural Reserve zoning district with a Conditional Use Permit, and it also recommended to remove it from the Waterfront Commercial and the Waterfront Industrial districts, said Ms. McNally.

Waterfront Commercial and Waterfront Industrial Districts
The Waterfront Commercial district is intended to provide both land and water space for uses which are directly related to and dependent upon a marine environment, explained Ms. McNally. Other uses may be permitted if water dependent and water oriented, she added. It is difficult to ascertain where to place miscellaneous types of retail, she said.

The Waterfront Industrial district is intended for industrial port uses which need or substantially benefit from a shoreline location, said Ms. McNally. Water-oriented means uses that are mixtures of uses which would benefit from being near the water and are intrinsic to waterfront development and which must meet specified criteria, said Ms. McNally. Marijuana retail does not fit within these definitions, she said.

They did receive several letters and one phone call of public comment in opposition to the cultivation of marijuana within a D-1 zoning district, said Ms. McNally. There is also a letter in support of adding marijuana establishments to convenience store overlays, said Ms. McNally.

The staff finds that the proposed amendments to the Title 49 Table of Permissible Uses is consistent with the goals and policies in the Comprehensive Plan, said Ms. McNally. The staff does find one inconsistency with the allowance of retail within the RR district, she noted.

DRAFT

Commission Comments and Questions
Mr. Voelckers asked for a recap of why the Committee supported sales in Rural Reserve areas.

Ms. McNally replied that her understanding was that there was an intent to allow all the uses in one area, so that all of the activities to do with marijuana could be combined.

Mr. LeVine asked for an explanation of those D-1 districts which reside outside of the urban service boundary.

Those districts are located out Thane, said Ms. McNally, and just north of Auke Bay all the way out to the Shrine of St. Therese, and out North Douglas past the sewer extension.

Mr. LeVine asked if there has been an update on the discussions at the State level regarding permitting.

Ms. McNally asked Mr. LeVine if he was referring to the two different types of cultivation licenses.

He responded in the affirmative.

The draft State regulations currently have two types of cultivation licenses, said Ms. McNally: a limited cultivation license which allows for 500 square feet of grow space and the cultivation license for larger spaces. Nothing has been formally adopted, she added.

Ms. Grewe asked if Ms. McNally was aware of any movement in the State to allow all four marijuana-related activities in one area.

Ms. McNally responded that it was not as much a restriction on activities as on the restriction that no one individual could hold all four licenses for the four marijuana-related activities.

Ms. Grewe verified that all four activities would be possible with one area but that one entity could not hold four separate licenses; a different entity would have to hold a testing license.

Ms. Grewe asked what the current situation was regarding setting a certain number of licenses allowable per capita.

Ms. McNally responded that this issue has been raised at the Marijuana Committee, but that no decisions have been made.

Chairman Satre, a member of the Marijuana Committee, elaborated that the first time the issue of licenses per capita was raised on the Committee, there had been no decisions by the State on whether licenses would need to be limited or not. Chairman Satre said he had made the comment that the community's zoning regulations would effectively limit the number of

DRAFT

licenses issued. Chairman Satre said there is also the important distinction that although the number of licenses could be limited, there could feasibly be an unlimited number of Conditional Use Permits.

Ms. Grewe said it could be limited through zoning or through licensing, and that she was personally in favor of limiting the amount of licenses through licensing. She added that if permits are limited through licensing then she could be more open to zoning, but that if licenses were dependable upon zoning then she would feel more comfortable makingzoning decisions.

Mr. Watson verified that the Egan Drivedivides waterfront districts from other zoning districts

Ms. McNally said this was true.

Mr. LeVine said that the reason that the Title 49 Committee removed the Waterfront Industrial and Waterfront Commercial zoning from consideration was that current rules do not allow smoking clubs, and that the only water-oriented and water-dependent use they could construct was cruise ship traffic. He said there is no legal way for cruise ship passengers to purchase and use a marijuana product unless there is a place to use the product, and that this type of location does not currently exist. Therefore, they could not define a legal way to determine that marijuana establishments could be water-dependent, said Mr. LeVine.

Public Comment
Karen Crane, Assembly member and a resident out the road, said that she was appearing at the request of several of her neighbors. She referred to page 109 of the recommended changes to the Title 49 Table of Permissible Uses, where it states that the Title 49 Committee proposed the allowance of all marijuana establishments within the RR district. She said that she represents District Two on the Assembly, and that much of this area is located outside of the urban service boundary, and is zoned RR.

Rural Reserve is not devoid of neighborhoods, said Ms. Crane. She said she lives on a road with 19 homes which meets any definition of a neighborhood, as do many of her neighbors on other roads in the area. She said she believes that the definition of where growth processing and testing would occur in the RR area needs to be limited and strictly defined to eliminate neighborhoods. She said that her neighbors would like to see activity limited to industrial areas, until the community has experience with marijuana-related activities.

Juneau resident Adam Berkey spoke in favor of the establishment of marijuana retail stores on the waterfront. He said that as a “marijuana tourist” that he has visited Denver, Colorado and Seattle, Washington several times within the past year. He said that when he visits these communities for marijuana-related purposes that he desires ease of access to the purchase of marijuana. He said in Seattle he had to traverse very rough areas of town to locate a marijuana retail establishment, whereas in Denver he could locate a retail store with ease. There are

DRAFT

locations in Denver established for the use of marijuana, said Mr. Berkey. He said the majority of the populace voted in favor of marijuana use in the state and that it should be made readily accessible within the community and not treated as something which should be hidden and not easily accessible. He said if he visited Juneau on a cruise ship that he would want to be able to disembark from the ship, readily purchase marijuana and have a place to smoke it along the waterfront overlooking the ocean.

Juneau resident Ben Wilcox said that he has been both to the states of Washington and Colorado on marijuana industry related business. He said during several days on a tour that he took an informal survey of marijuana users and listed a number of varied users from young professionals to retired, older individuals. These types of people come to Juneau and get off of the cruise ships, said Mr. Wilcox. The State and the City and Borough of Juneau are restricting use to marijuana, said Mr. Wilcox. He quoted portions of the code which encourage entrepreneurship and stimulation of the tourist base. There is a massage parlor and a hair salon currently located along the waterfront, said Mr. Wilcox. Those services are already offered on the cruise ships, said Mr. Wilcox, and do not need to be located along the waterfront. There are restaurants and alcohol which offer consumable goods, which is just what marijuana is, said Mr. Wilcox. The CBJ should not selectively enforce its rules, excluding marijuana, said Mr. Wilcox,.

Thane resident Marjorie Menzie said she has lived in Juneau for 40 years and on Thane Road for 20 years. Even though it is outside the urban service area, Thane is a bona fide residential area, said Ms. Menzie. She said she opposed the change recommended to Title 49 allowing the use of marijuana establishments in D-1 residential areas outside of the urban service area. The staff made recommendations eliminating marijuana related activities within residential areas, she said. The states of Washington and Colorado have wisely chosen to keep marijuana-related activities outside of residential areas, she said. She said her area is not being treated equally with other residential areas. She said that even though they pay the same taxes, they do not receive City water and sewer, and should be entitled to those same recommendations as for the residential areas.

Ms. Menzie said she wondered how the wastewater from marijuana operations would impact their well levels and septic systems. Marijuana cultivation and processing is a controversial activity in a community which has significant addiction problems, said Ms. Menzie. More restrictive recommendations should be adopted now, with lessening of those restrictions with gained experience at a later date, she said. Ms. Menzie said that she hoped the proposed buffer zones of the contemplated 200 or 500 feet would include bus stops where children would be entering and exiting school buses. She emphasized that she would like to see the D-1 district removed from all residential areas in which marijuana establishments are allowed.

North Douglas resident Margo Waring requested that the cultivation and processing of marijuana be removed from D-1 zoning and also from the residential areas within Rural Reserve zoning. The use in these areas is primarily residential, she said, at least in certain parts of the

DRAFT

zone; other uses should be compatible with residential use. Marijuana processing, cultivation and sale is not a compatible use, she added. Medium manufacturing is by CBJ's own definition as not compatible with residential areas because it requires that this use have "no negative effect on property values", said Ms. Waring.

Ms. Waring commented that the effect of these uses in the RR districts have not yet been measured. She stated that D-1 and Residential Rural areas do not have sewer systems. The impacts on streams and other water bodies should be considered, she said, as well as the effects on water quality. CBJ's residential areas should all experience equal protection from the potential harm of this new industry, said Ms. Waring. Significant portions of RR zones are actually D-1 areas, which has not yet been recognized by the CBJ maps, commented Ms. Waring. She encouraged the Commission to move ahead slowly with its regulations, allowing adequate time for contemplation. The Conditional Use process is not an adequate platform on which to address these issues regarding the affected community, she said. The affected public is often not aware of the public hearing, she added.

Ms. Waring added that when property is purchased, most individuals who purchased this property believed that their residential area would not become a manufacturing zone at some unspecified, future date.

Juneau resident John Nemeth stated that he was in support of maintaining Waterfront Commercial and Waterfront Industrial zoning as a location for retail sales to operate. He stated that currently there are a number of businesses along the waterfront which do not meet the criteria of "water dependent". He said he felt the marijuana industry was being forced out of the waterfront zones from fear of the impression that would be given of Juneau.

He said in fact that this would drive the tourism industry in Juneau in a positive direction as it had affected the tourism industry in a positive manner in Denver, Colorado, which has witnessed a 70% increase in tourism.

Commission Comments and Questions
Mr. Bell asked for a brief definition of Mr. Nemeth's reference to "additional services".

Mr. Nemeth responded that he had been speaking primarily in reference to education, as in the area of medicinal products and in reference to a movement of individuals from flower products to products in the areas of concentrates and edibles, such as in the specified doses of marijuana, he added.

North Douglas resident Gavin Berkey stated that at one of the stores that he visited in Denver that there was a very large television screen which reflected the requirement of the patrons to hold up their identification so that it was visible to the staff within the store. He said it was ludicrous for the community to attempt to the zone Waterfront Commercial marijuana establishments out of the waterfront community.

DRAFT

Convenience store owner Jack Manning stated that he was in favor of the Commission recommending that marijuana retail be allowed in the Convenience Store Overlay District owner of the Duck Creek market in the Valley, Mr. Manning stated that he had no interest in his business becoming a marijuana dispensary. However, he added that in the future when marijuana may be labeled with a USP code, that they would like to be able to sell it if that was the desire of their customer base. They would like to be able to go through the Conditional Use process, he said.

Downtown business owner Tracy LaBarge spoke in support of placing the Waterfront Commercial zoning back on the zoning map. She added that there is already a limited amount of space on the waterfront which is self-limiting, and that she felt marijuana-related enterprises should be allowed on the waterfront. She said that they would support eliminating marijuana-related activities from the D-1 zoning area, but that they did support those activities in the waterfront zones.

Commission Comments and Questions
Mr. Voelckers said they are focusing on the Table of Permissible Uses and in which districts where these various activities can occur. He said the daycare ordinance recently enacted contained a lot of information on buffers and features in the various attributes which would form a conditional use process. He asked if there was any discussion on how to clarify functional aspects of what they would be identifying later as conditions to consider for the issuance of a Conditional Use Permit.

Chairman Satre asked the staff if there was still an intent to frame a special use provision within Title 49 to accompany the zoning maps.

Ms. McNally stated that the staff within the Community Development Department (CDD) is taking its direction from the Marijuana Committee. She added that it is challenging to implement proposed regulations which may differ from those of the State since it is still finalizing its regulations. As an example, she said the Marijuana Committee had proposed a 200 foot buffer from areas such as schools, churches and daycare centers. Meanwhile the State changed its recommendation regarding buffers to 500 feet, she added. She said she did believe the intent was to have a special use category that would in many instances simply mimic what the State adopts, with the addition of any items recommended specific for Juneau as well.

Chairman Satre said this is still a process and a bit of a chicken and egg type of situation.

Mr. Voelckers said it does not seem unreasonable to start at this point realizing that there is still quite a conversation to come on some of the particular conditions that would be applied.

DRAFT

Ms. Grewe asked the staff if in their studies of other communities in which marijuana is legalized if they came across any studies that marijuana cultivation and maybe processing were compatible within residential districts.

Ms. McNally responded that they had not spoken to any communities that allowedof marijuana cultivation or processing within residential districts. She said the most common advice these communities had to render was not to allow this type of activity in residential zoning districts, thus avoiding future conflicts. This was more of a challenge in Juneau, acknowledged Ms. McNally, due to Juneau's very limited space.

Ms. Grewe said she felt that marijuana agriculture differed from other commercial agriculture because it was a much more industrialized form of commercial agriculture.

Ms. McNally said given the climate of Juneau, probably indoor growing facilities would be used rather than commercial greenhouses. Other communities do treat indoor cultivation as an industrial use, mentioned Ms. McNally. The State is going to institute strong restrictions regarding ventilation and for odor control, said Ms. McNally.

Ms. Grewe asked if there was a way to carve neighborhoods out of rural Reserve Zoning to protect them from marijuana-related industry. Ms. Grewe said they could consider very large buffers around neighborhoods, even up to 1,000 feet in distance.

Chairman Satre said the idea of cultivation within the D-1 zone outside of the urban service boundary came from him, and this came about by looking at maps of the city to see where cultivation may be allowed. There are some D-1 zone lands which are quite a distance from other development, he said, which may be included as possibilities for cultivation. Regarding Ms. Grewe's Rural Reserve question, Chairman Satre said on the Wireless Ordinance regarding cell phone towers that certain towers were allowed within a certain number of feet of an established neighborhood, and there was another set of rules for towers which are located outside of neighborhoods.

Mr. Voelckers asked what has been learned from questioning Washington and Colorado communities about where marijuana is allowed to be cultivated. He asked if there was a precedent set in those communities for marijuana cultivation to be successful in Light Commercial and General Commercial zoned areas.

Ms. McNally responded in the affirmative. She said primarily their cultivation is allowed in commercial and industrial districts.

Mr. Watson asked Ms. McNally how many communities she had contacted regarding the marijuana industry.

Ms. McNally responded that she had contacted about 20 communities of various sizes.

DRAFT

Mr. LeVine asked if there has been any thought or study done on what might be the limiting factor in a city the size of Juneau regarding marijuana cultivation or sales.

Chairman Satre said they have maps which illustrate the proposed changes in the Table of Permissible Uses.

Mr. LeVine asked if any studies have been done on what limiting factors would be for the industry as it grows in Juneau.

Chairman Satre said he does not think they have that type of analysis available.

Mr. Watson said he felt it was the price of the building and/or land which would drive the market.

Chairman Satre outlined that the Commission could recommend the ordinance to the Assembly as it has been written by the Title 49 Committee, they could edit the ordinance this evening and make some additional recommendations, or they could table this ordinance pending additional information.

Ms. Grewe said she thought about this ordinance in terms of the sections of growing, processing, selling and testing. She said she would address her motions accordingly and that her first motion would address the cultivation of marijuana.

MOTION: *by Ms. Grewe, amending Marijuana Cultivation Facility CBJ 49.25.300 section 14.240 and 19.230 to remove the D-1 district from marijuana cultivation.*

In support of her motion Ms. Grewe stated that:

- D-1 is primarily used as a residential district and is listed in the Land Use Code as such
- They are basically creating a new industry for this community, and all residential districts should be protected
- With the State and the City working on regulations simultaneously, they cannot yet even define buffers until this regulation has been addressed by the State
- The number one warning coming repeatedly from the Washington and Colorado communities was to protect the residential districts
- Based upon her years on the Commission, Conditional Use Permits were passed the majority of the time, and that just relying on the Conditional Use Permit system would not be sufficient to protect residential zones
- A conservative approach should be taken when heading into this industry
- Licensing such as that done for package stores would be a controlling factor in development of this industry
- The cultivation of marijuana does not fit into the category of Commercial Agriculture Excluding Farm Animals

DRAFT

- People invest in their homes and expect a certain predictability in the development of their neighborhoods

Mr. Watson stated that he felt it was appropriate to rely on the Conditional Use process when dealing with the D-1 area, and that there was some land within that zone appropriate for marijuana cultivation. Mr. Watson shared his concern that the regulations would continue to be narrowed down until there would only be a small area left within the community in which this type of activity could take place. A result of this effect could result in the increase in the density of this activity, he said.

Mr. Voelckers spoke in favor of the motion, citing Ms. McNally's feedback from other communities in which development was not allowed in residential areas. He said he did agree that it was easier to add districts when the community had a better sense of how this development would proceed.

Mr. Haight stated that over the past year they have had several permits before them which addressed agricultural use, such as the Peony farm located in North Douglas. In those cases these permits were granted for commercial operations within residential areas, said Mr. Haight. He added that he also did recognize the value of maintaining a conservative stance at this point in time.

While stating that this was a close call, Mr. LeVine said that he would vote against the motion, because he felt they could effectively implement restrictions to protect neighborhoods.

Speaking in favor of the motion, Mr. Bell said that he supported the motion as it has been made.

Roll Call Vote:

Yeas: Bell, Haight, Voelckers, Grewe,

Nays: LeVine, Watson, Satre

The motion failed.

Chairman Satre said that he would entertain a motion for immediate reconsideration, which would result in further discussion on marijuana cultivation.

MOTION: *by Mr. Watson, for immediate reconsideration of the previous vote.*

The motion passed with no objection.

DRAFT

Chairman Satre asked if there is any additional discussion on removing the Conditional Use Permit from sections 12.240 and 19.230.

Mr. LeVine asked if they could put this motion aside and see if they could reach agreement on the remaining three related issues.

Ms. Grewe agreed to this, and withdrew her motion on amending Marijuana Cultivation Facility CBJ 49.25.300 section 14.240 and 19.230 to remove the D-1 district from marijuana cultivation.

MOTION: *by Mr. Voelckers, to remove the conditional use allowance for (Multiple Use) MU-2 for a marijuana product manufacturing facility.*

In support of his motion, Mr. Voelckers said that he found that use at odds with MU-2 zoning. The MU-2 zone was created to be a sort of mild version of General Commercial zoning, stated Mr. Voelckers. He said that the MU-2 district states that it places a greater emphasis on residential development with up to 80 units per acre. He said it was difficult to envision a marijuana product manufacturing facility located in what could be the most densely zoned district.

Ms. Grewe commented that if they remove the MU-2 zoning, then they are left solely with Rural Reserve, General Commercial and Industrial zones for manufacturing. She voiced the concern this may not leave enough area available for manufacturing facilities.

Mr. Voelckers commented they could potentially place this zoning within the (Mixed Use) MU zone instead of the MU-2 zone which carried an additional residential emphasis.

Ms. Grewe accepted the friendly amendment of Mr. Voelckers to move the Conditional Use process from MU-2 zoning to MU zoning.

The amendment passed with no objection.

MOTION: *by Ms. Grewe, to add back the Conditional Use process for Waterfront Commercial and Waterfront Industrial districts to Marijuana Retail Store Title 49 Section 2.300*.

Speaking in opposition to the motion, Mr. Voelckers said that when the specific terms are identified for Waterfront Commercial and Waterfront Industrial zoning, that there is no latitude for this particular use. While admitting that there have been exceptions in development along the waterfront, he did not feel that indiscretions in the past should be used as a precedential backdrop to future actions.

Mr. LeVine said he would oppose the motion because there is no legal tie to cruise ship passengers that could be found. If and when marijuana clubs are legal, then he would support this use for Waterfront Commercial and Waterfront Industrial zones, said Mr. LeVine. They

DRAFT

could also revisit some of the definitions for Waterfront Commercial and Waterfront Industrial districts to allow some additional uses within those districts, said Mr. LeVine. He said personally he felt these would be good areas for a retail store, but that he could not find the justification within the existing definitions for those districts.

Mr. Watson said that earlier public testimony highlighted that the Commission has in the past made exceptions for retail development within the Waterfront Commercial zones. He said he did have problems allowing retail activity within the Waterfront Industrial district.

Ms. Grewe asked Mr. Watson if he would like to offer a friendly amendment to separate the waterfront commercial and Waterfront Industrial zones.

Mr. Watson said he would like to make his suggestion into the form of a friendly amendment to remove Waterfront Industrial zoning from consideration in the main motion by Ms. Grewe.

Ms. Grewe accepted the friendly amendment to remove Waterfront Industrial zoning from her motion.

In support of her motion Ms. Grewe said that she would lean on the Comprehensive Plan and its language supporting economic development and encouraging a diverse economy.

Chairman Satre also spoke in support of the motion stating that he felt there was a misconception that many of the establishments within waterfront commercial zones were somehow an exception to the rules. He stated the fact of the matter is that they meet the rules by being tied to a clientele that is delivered via the water.

Roll Call Vote: (on Ms. Grewe's main motion with the friendly amendment offered by Mr. Watson to add back the Conditional Use process for Waterfront Commercial districts to Marijuana Retail Store Title 49 Section 2.300.)

Yeas: Grewe, Haight, Watson, Satre

Nays: LeVine, Bell, Voelckers

The motion failed.

MOTION: *by Mr. Haight, to approve the full ordinance with its amendment (to remove the conditional use allowance for Multiple Use [MU] for a marijuana product manufacturing facility) for recommendation to the Assembly with the understanding that all of the comments and discussions expressed by the Commission on the two topics of Marijuana Retail Store and Marijuana Cultivation Facility go forward to the Assembly with the recommendation for inclusion in its consideration of the ordinance.*

DRAFT

Ms. McKibben asked that the Commission discuss marijuana retail stores in Rural Reserve districts as this was recommended by the Title 49 Committee and not recommended by the staff.

Since Mr. Haight had moved to approve the full ordinance with its amendment, that item on marijuana retail stores within the rural reserve district was included within the ordinance, noted Chairman Satre.

Ms. Grewe verified that her motion to amend Marijuana Cultivation Facility CBJ 49.25.300 section 14.240 and 19.230 to remove the D-1 district from marijuana cultivation was currently not pending any Commission action.

Chairman Satre concurred, stating that she had withdrawn her motion and that she could amend Mr. Haight's motion through a friendly amendment, or failing that, it could be voted up or down.

Mr. LeVine stated that perhaps if Mr. Haight's motion did not pass, that the Commission could revisit earlier discussion.

Ms. Grewe offered the friendly amendment to remove cultivation in D-1 zones from Mr. Haight's motion.

Mr. Haight did not accept the friendly amendment offered by Ms. Grewe.

As an amendment to the main motion, Ms. Grewe moved to remove cultivation in D-1 zones from Mr. Haight's motion.

In support of her motion Ms. Grewe said she included all of her previous comments on this issue and added once again that other states have verified that marijuana cultivation is not compatible with residential districts.

Chairman Satre called for a roll call vote.

Roll Call Vote: (on Ms. Grewe's Amendment)

Yeas: Bell, Voelckers, Grewe, Haight,

Nays: LeVine, Watson, Satre

The motion to amend the main motion failed.

DRAFT

Speaking in support of Mr. Haight's motion, Mr. Watson stated that the Commission had given their best effort this evening to address the ordinance. He said he felt moving the ordinance forward to the full Assembly with the Commission's comments was the wisest course of action.

Mr. Voelckers also spoke in support of the motion, even though he said it felt awkward to him that they are still missing the specificity of buffers, adjacencies and protections which would fill in the ordinance.

Ms. Grewe spoke in opposition to the motion stating that she was not in support of cultivation in D-1 zones and that she was also concerned about the resulting density for neighborhoods within Rural Reserve zones.

Chairman Satre spoke in opposition to the motion stating that the debate held by the Commission this evening was indicative of the ordinance not being ready for forwarding to the Assembly. He said he felt there was still valuable debate which could be conducted on including waterfront commercial locations where retail stores could be situated. In addition, the Commission is divided on the cultivation issue in D-1 zones. The Commission has also not addressed whether retail sales of marijuana should be allowed in the convenience store overlay. Agreeing with Mr. Voelckers, Chairman Satre said he felt they would be more comfortable with any of these zone designations if they had some special use provisions to go along with them.

Roll Call Vote: (To approve the full ordinance with its amendment [to remove the conditional use allowance for Multiple Use [MU] for a marijuana product manufacturing facility] for recommendation to the Assembly with the understanding that all of the comments and discussions expressed by the Commission on the two topics of Marijuana Retail Store and Marijuana Cultivation Facility go forward to the Assembly with the recommendation for inclusion in its consideration of the ordinance.)

Yeas: Haight, Watson, LeVine

Nays: Grewe, Bell, Voelckers, Satre

The motion failed.

Mr. LeVine asked if the Commission felt that it needed more information that would enable it to become more unified in its recommendation, or if there was a version of this ordinance reflecting some of the motions made this evening which would enable the Commission to come to a consensus on the ordinance.

DRAFT

Chairman Satre said the basic question is should the Commission continue this item and request more information or should it continue this item and wait for a potentially larger number of Commission members to vote.

MOTION: *by Mr. Watson, to continue AME2015 0009 to the next regular Planning Commission meeting held on September 22, 2015.*

The motion passed with no objection.

CSP2015 0013:	Planning Commission Review of and Recommendation to the Assembly regarding the 2015 Capital Transit Schedule and Route Revision.
Applicant:	City and Borough of Juneau
Location:	Borough-wide

Staff Recommendations

Staff recommends that the Planning Commission recommend to the Assembly that CSP2015 0013, 2015 Capital Transit Schedule and Route Revision is consistent with Title 49 and the 2013 Comprehensive Plan. With the following recommendations:

1. Public Works/Engineering should continue to work with DOT to improve pedestrian and traffic safety at the Davis Avenue and Glacier Highway intersection, to possibly include a traffic light at this intersection in the future, to allow for service at all times to Davis Avenue, to control traffic, and to reduce potential collisions.

2. Special consideration should be made to ensure that the connecting stairways and paths from St. Ann's Avenue to Savikko Park are in good and stable condition for safe pedestrian access.

3. Maintenance of sidewalks and crosswalks along St. Ann's Avenue should be improved to allow pedestrians and people in wheelchairs to access transit services at Savikko Park or at the Douglas Library bus stop.

4. A partnership between UAS and Capital Transit should be made to allow drivers to use UAS facilities, such as restrooms, for breaks.

The proposal which came before them was to adopt a schedule change and route revisions that would provide a higher level of reliability, add service to Riverside Drive and the Dimond Park area, maintain service in the downtown core and provide adequate rest and recovery time for operators, explained Mr. Lange.

DRAFT

The 2014 update to the Capital Transit Plan was definitely a vision of what can transpire in the future, said Mr. Lange, but there is a lack of public funding to expand Capital Transit Services at this time, he noted.

In December 2014, the public did not approve a revised service change which limited services and did not provide enough rest and recovery time for transit operators as a result of public hearings held throughout the community, said Mr. Lange.

This iteration of the Capital Transit Schedule and Route Revision includes input from transit operators, said Mr. Lange.

The proposal recommends the following changes to the existing service:

- No weekday inbound service on Davis Avenue at 3:30 p.m., 4:00 p.m., 4:30 p.m. and 5:00 p.m.
- No service to St. Ann's on Douglas Island
- New service to Treadwell arena on Douglas Island - adjust the departure times from Douglas to downtown
- No express service on the UAS campus at the bottom of the hour, with service remaining at the top of the hour
- New service at Mendenhall Mall, Dimond Park, Riverside Drive and Stephen Richards Drive

Commission Comments and Questions
Mr. Watson asked if it was true that the University did not allow drivers to use their facilities.

The University does allow the transit operators to use its facilities, responded Mr. Lange. However, he said, when the school is closed the transit operators cannot access the building. An agreement between the University and Capital City Transit can be worked out so that transit operators can have use of the facilities when the University is closed, said Mr. Lange.

The proposal also recommends the following changes to the existing infrastructure:

- Create a dedicated transit bus stop at the State Museum in conjunction with the Whittier Street repaving project
- Relocation of the Airport stop to Yandukin drive just north of the Airport
- New signs at stops affected by Davis Avenue deviation
- New signs at Douglas stops affected by schedule adjustment
- Create an at-grade passenger waiting area at Cinema Drive
- Improve the paving, and install accessible curb and platform and Mendenhall Mall

Commission Comments and Questions
Mr. Watson said he thought from information garnered from previous presentations that Riverside Drive itself was an area of high density and the least served by Capital Transit. He said while there has been need of a decent bus stop in the Mendenhall Mall area, that has always

been a point of disagreement with the current property owners. He wondered if their opinion had changed.

Mr. Watt said that he felt it unlikely that the property owners would agree to a bus platform in the middle of Mall Road. They are talking to the owners about purchasing property for a potential Valley transit center, said Mr. Watt. The Assembly has approved a small amount of funds to pursue an appraisal for that property, added Mr. Watt. That would be an upgrade for the long term, he said.

A year ago they were at a difficult time for transit planning, said Mr. Watt. This resulted in upset members of the public and upset drivers, he said. The drivers' workgroup began meeting to try and achieve some core goals, said Mr. Watt. This included seeing that the routes ran on time and that the drivers were given rest periods, he said. As time has passed and the community has grown, the bus service has been strained to meet these needs and the drivers were squeezed out of their breaks, said Mr. Watt. They have received positive comments from the public on this particular plan, said Mr. Watt.

There are still some inherent problems with the plan which still need to be worked out, said Mr. Watt, and there are some service reductions as well as some additions. They would like to provide more service to the core Valley area said Mr. Watt, but that is not attainable at this time.

Mr. Voelckers said he appreciated that the current plan is a clever way of improving the service within the existing resources. He said in the Douglas service area around St. Ann's there seemed to be quite a distance for the public to access the buses.

Mr. Lange responded that the operational analysis for the plan indicates a very small ridership for that particular area. He said he thought it was a reasonable distance to be traversed to the bus stop.

Mr. Watt added he felt people would walk down St. Ann's itself to the bus stop.

Chairman Satre said there were aspects of the plan which he did not like such as the bus only visiting the University once an hour. The trade-offs are that there will be service to Dimond Park and they will still maintain service to the core areas, he said. He said he appreciated the City working with the transit operators to assure that they were treated fairly.

MOTION: *by Mr. Bell, to approve CSP2015 0003.*

The motion passed with no objection.

X. BOARD OF ADJUSTMENT - None

XI. OTHER BUSINESS - None

DRAFT

XII. DIRECTOR'S REPORT

Mr. Steedle reported that they will be recruiting for the Planning Director shortly. At the August 26, (2015) meeting the Assembly Finance Committee approved hiring a Housing Development Coordinator, said Mr. Steedle.

Mr. Watson commented that a few members are having trouble with their passwords in the new City email system.

Mr. Steedle asked Mr. Watson to contact the MIS department with the City, and that they would assist with the password process.

XIII. REPORT OF REGULAR AND SPECIAL COMMITTEES

- July 23, 2015 Marijuana Committee Meeting DRAFT Minutes
- August 13, 2015 Marijuana Committee Meeting DRAFT Minutes
- August 21, 2015 Title 49 Committee Meeting DRAFT Minutes

Title 49 Committee
Ms. Grewe reported that the Title 49 Committee met and that the results of their meeting were already noted by the Commission this evening.

Auke Bay Steering Committee
Mr. Bell reported that he attended the Auke Bay Steering Committee meeting and that the Committee is aggressively tackling the development of the Auke Bay community.

XIV. PLANNING COMMISSION COMMENTS AND QUESTIONS

Mr. Voelckers asked just how difficult it would be to address the current Waterfront Commercial zoning. He asked if it would be something which could be accomplished simultaneously with the recommendation of approval of the ordinance to the Assembly.

Chairman Satre said he did not know, but that it may be opening up a Pandora's box.

XV. ADJOURNMENT

The meeting was adjourned at 9:37 p.m.

DRAFT

Regular Planning Commission Meeting
CITY AND BOROUGH OF JUNEAU
Mike Satre, Chairman

September 22, 2015

DRAFT

I. ROLL CALL

Mike Satre, Chairman, called the Regular Meeting of the City and Borough of Juneau (CBJ) Planning Commission (PC), held in the Assembly Chambers of the Municipal Building, to order at 7:01 pm.

Commissioners present: Mike Satre, Chairman; Dennis Watson, Vice Chairman; Bill Peters, Nicole Grewe, Ben Haight, Matthew Bell, Paul Voelckers, Dan Miller

Commissioners absent: Michael LeVine

Staff present: Beth McKibben, Planning Manager; Jill Maclean, Senior Planner; Allison Eddins, Planner I; Chrissy McNally, Planner II, Robert Palmer, Assistant City Attorney; Rorie Watt, Director of Public Works; Greg Chaney, Lands and Resources Manager

II. APPROVAL OF MINUTES

- August 25, 2015 – Regular Planning Commission Meeting Minutes

MOTION: *by Mr. Miller, to approve the minutes for the August 25, 2015, Regular Planning Commission meeting with any minor modifications by staff or Commission members.*

The motion was approved with no objection.

III. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS - None

IV. PLANNING COMMISSION LIAISON REPORT - None

V. RECONSIDERATION OF THE FOLLOWING ITEMS - None

VI. CONSENT AGENDA

VAR2015 0024:	Construction of a 460 foot fence within the 25 foot no disturbance stream side setback along Jordan Creek, and the installation of a rain garden and required grading within the 50 foot no development setback along Jordan Creek.
Applicant:	Southeast Alaska Watershed Coalition
Location:	9095 Glacier Highway

Staff Recommendation
Staff recommends that the Board of Adjustment adopt the Director's analysis and findings and **approve** the requested Variance, VAR2015 0024. The Variance permit would allow for the construction of a split rail cedar fence and installation of concrete barriers within the 25 foot no disturbance stream side setback and the installation of a rain garden within the 50 foot no development stream side setback along Jordan Creek.

MOTION: *by Mr. Voelckers, to approve the Consent Agenda as read with staff's findings, analysis and recommendations.*

The motion was approved with no objection.

VII. CONSIDERATION OF ORDINANCES AND RESOLUTIONS - None

VIII. UNFINISHED BUSINESS

AME2015 0009:	Proposed changes to Title 49 Table of Permissible Uses for marijuana establishments.
Applicant:	City and Borough of Juneau
Location:	Borough-wide

Staff Recommendation
Staff recommends that the Planning Commission forward its recommendation of approval to the Assembly of Ordinance 2015-39 as recommended by the Title 49 Committee, with the exception of the recommended change to allow marijuana retail in the Rural Reserve (RR) zone district.

Chairman Satre noted that at the last meeting once public comment was finished, the Planning Commission had some difficulty not only in the area of amendments, but that they could also not come to an agreement to proposed changes in Title 49. There was the possibility that with more Commissioners in attendance at this Regular Planning Commission meeting, that a consensus may be reached as to what the recommendations to the Assembly would be, said Chairman Satre.

DRAFT

Ms. McNally told the Commission that this evening they had a map indicating the 500 foot buffer maps for the sensitive sites including schools, state licensed day care and correctional facilities. More public comment was also received, said Ms. McNally, and the Commission had before it the ordinance reflecting the changes the Commission voted upon at its last meeting.

The change in the ordinance approved by the Commission at its last meeting involved moving Marijuana Product Manufacturing from the Mixed-Use 2 (MU-2) zoning district to the Mixed Use (MU) zoning district, explained Ms. McNally.

Commenting on the maps, Chairman Satre said that in any green areas on the maps marijuana cultivation would be allowed. Considering the areas of product manufacturing, retail and testing; in those areas that were white on the map these activities would not be allowed, said Chairman to Satre, while the green areas would require a Conditional Use Permit, he added.

Mr. Palmer related that the motion that was passed by the Commission at its last meeting was to remove the Conditional Use authority from Mu-2 zones and granting Conditional Use authority to those properties zoned MU.

Chairman Satre reviewed that motions dealing with cultivation of marijuana in D-1 zones and also allowing retail sales of marijuana in Waterfront Commercial (WC) zones failed at the September 8, 2015 regular Planning Commission meeting. The final motion that failed at the last regular meeting was to approve the ordinance including the approved amendment and send it to the Assembly for its action on the ordinance.

Ms. McNally told the Commission that one of the comments received from the public was from Mr. Manning, owner of Duck Creek market. This most recent communication from Mr. Manning asks that the Commission consider allowing Duck Creek market and the Douglas Breeze-in to sell marijuana products retail. Ms. McNally said she believed there was some confusion on the part of Mr. Manning as to what stores are included in the overlay district. She said she explained that alteration of the Commercial Overlay zone would affect all existing properties which meet the criteria and not just the two stores mentioned by Mr. Manning.

Mr. Voelckers asked for a summation on what the Commercial Overlay zone is and what areas would potentially be affected.

Showing the Commission some slides, Ms. McNally explained that the Overlay District extends from just past the Juneau Douglas Bridge north to the Bonnie Brae subdivision, and an area extending from Duck Creek market along the Back Loop Road. These are areas within residentially zoned areas , explained Ms. McNally.

Since public comment was closed at the last meeting, said Chairman Satre, he asked the Commission if it wished to once again open this item up for public comment.

DRAFT

Since a motion regarding public comment was not forthcoming, this ordinance was not opened up again for public comment.

Ms. Grewe asked for an explanation on marijuana cultivation in D-1 zoning. Ms. McNally said the "A B" designated marijuana cultivation in D-1 zoning outside of the urban service boundaries.

Chairman Satre said the action of the Commission on Title 49 and the changes to permissible uses are recommendations from the Commission to the Assembly. The potential does exist for the Commission to move this ordinance forward to the Assembly with no further recommendations, added Chairman Satre.

MOTION: *by Ms. Grewe, to add Waterfront Commercial to Section 2 of the ordinance to the use described as "Marijuana Retail Store" which would make that use obtainable within a Waterfront Commercial District with a Conditional Use Permit.*

Speaking in favor of her motion, Ms. Grewe said that she realizes there are challenges related to the definition of "waterfront" with uses attached to the zone being waterfront activities. She added that Chairman Satre gave a good explanation at the last Commission meeting stating that there are currently uses connected to that zone which are not directly related to waterfront dependent activities. Retail activities in the Waterfront Commercial zone have previously been allowed that were not directly related to waterfront uses, said Ms. Grewe.

The motion passed with no objection.

MOTION: *by Ms. Grewe, to remove the D-1 zone from marijuana cultivation in Section 5, 14.240 and Section 6, 19.230.*

In support of her motion, Ms. Grewe said that the primary use of D-1 is residential, and that she felt residential areas should be treated equally as they move into this new industry for Alaska. She said they have learned from other jurisdictions who currently have ordinances allowing the cultivation of marijuana that marijuana cultivation in a residential district was the number one conflict.

Ms. Grewe said she prefers a more conservative approach as the community moves to incorporate this industry and its regulations. She said all residential zones should be protected from allowing the marijuana industry within their boundaries. She added that the permitting issue is still looming and is still an unknown aspect. She said until that determination is made, that she feels particularly strong about protecting all residential districts within the area. Down South communities who have legalized marijuana are treating it akin to an industrial activity, noted Ms. Grewe. It is not the same as small-scale agricultural farms, she added. She said she felt it would be easier in the future if desired to add zones back rather than to remove

DRAFT

zones.

Mr. Voelckers asked if Ms. Grewe could outline the specific portion of the ordinance to which her motion was addressed.

This would go under the cultivation category, said Ms. Grewe. The use description was under 14.240 on the Table of Permissible Uses, said Ms. Grewe, and she added under questioning from Mr. Voelckers, that she would also remove the use from Section 6, Use 19.230.

Mr. Miller asked if there is currently any property on the new maps which list D-1 zoning as a potential cultivation district.

Chairman Satre explained that cultivation is currently allowed by Conditional Use Permit in the Rural Reserve (RR) zone and in the D-1 zone outside of the urban service boundary. This would cover all land north of Lena point, said Chairman Satre, and also land on North Douglas which lies outside of the urban service boundaries.

Ms. Grewe added that the boundary also incorporates Thane.

Speaking against the motion, Mr. Watson stated that his main concern on this issue is that D-1 zoning covers a lot of land, and that it is not an automatic approval of marijuana cultivation in those areas. He said once the Table of Permissible Uses has been established, in his experience of almost nine years on the Commission, that it is very rare for that to be altered, should the desire to change it manifest itself in the future. He said the Planning Commission needs to be allowed a certain level of flexibility, and that he feels the Commission needs to be careful that it does not restrict zoning to such a level that it is concentrated in a very small area.

Mr. Miller asked for clarification on where the D-1 zoning was located.

Chairman Satre explained that D-1 and Rural Reserve are both located outside of urban service boundaries. This land is largely located on Thane Road, out North Douglas past Bonnie Brae, and out the road past Lena Point.

Speaking against the motion, Mr. Watson said one of his concerns is the thought that it would be easy to go back and change the zoning. He said his primary concern was that D-1 zoning extended for quite a distance past Lena point, and that it would not be an automatic approval. Approval would first have to be granted by the Planning Commission and the Assembly.

Once a use is placed upon the Table of Permissible Uses, said Mr. Watson, it is almost impossible to remove it.

DRAFT

Roll Call Vote:

Yeas: Haight, Grewe, Voelckers

Nays: Peters, Bell, Miller, Satre, Watson

The motion failed.

Mr. Voelckers asked Chairman Satre, who is a member of the Marijuana Committee, if they have addressed any conditions which would accompany the proposed amendments to the Table of Permissible Uses.

Chairman Satre answered that the Committee has not yet addressed those issues, but they will be looking at special use provisions for Title 49 at their meeting in two days, and that many conditions would be dependent upon action from the State which has not yet taken place.

MOTION: *by Mr. Haight, to approve ordinance 2015-39 as amended, and move it to the Assembly for further action.*

Speaking in support of the motion, Mr. Voelckers said he felt it was important to have the understanding that there would be specific conditions placed upon these uses later. He said he felt that would be one way they could address some of the concerns addressed regarding the growing of marijuana in D-1 and Rural Reserve.

Chairman Satre said he would encourage the Assembly members to read the minutes from the last meeting and this meeting. He said he thinks the Assembly will be wrestling with the same issues as the Planning Commission has. He said he was very glad that Mr. Voelckers has made the point at both meetings that this is very difficult to accomplish not knowing what all of the state regulations will be.

Ms. Grewe spoke against the motion because of the D-1 land issue.

Roll Call Vote:

Yeas: Watson, Miller, Voelckers, Haight, Bell, Peters, Satre

Nays: Grewe

The motion passed.

IX. REGULAR AGENDA - None

DRAFT

X. BOARD OF ADJUSTMENT - None

XI. OTHER BUSINESS

Chairman Satre reported that Mr. Chaney would be the updating the Commission on the 2015 Land Management Plan.

This will give the Commission the opportunity to review the first draft of the Land Management Plan. When the draft comes back to the Commission after it has been presented to several other committees and the public, Title 53 dictates that the Plan be given a positive rating or a negative rating by the Commission, said Mr. Chaney.

The Plan is over 100 pages in length, explained Mr. Chaney, so he wanted the Commission to have plenty of time to review it before it came back to them for their final decision.

He outlined the goals and objectives of the Land Management Plan:

- Continue the land disposal program which systematically places CBJ land into private ownership.
- Provide the best use of CBJ owned land for both development and preservation.
- Conduct CBJ land disposals in a manner that provides compact urban growth and efficient expansion of municipal utilities and services.
- Maintain the Land Management Plan as required under CBJ code as a comprehensive reference document updated every two years that establishes CBJ land management policy and provides a framework for developing regulations concerning CBJ property.

The staff went through the land parcels and recognized some land as parks; land which had never been designated as such before, explained Mr. Chaney. It is up to the Parks and Recreation Division to make any recommendations, said Mr. Chaney.

Mr. Chaney then outlined some of the major implementations of the plan:

- Conduct CBJ land disposals that conform to expansion of municipal utilities and services.
- Housing demand remains strong.
- Transportation improvements must be completed to complement land disposal proposals. An example of this would be the bench road on Douglas which has not been developed but has been much discussed.

DRAFT

Mr. Chaney said what is to him one of the most exciting portions of the Plan update is a new atlas which shows the current land ownership of the CBJ. Each property is identified with the code indicating the CBJ managing department. The black-and-white atlas is accompanied by a GIS system available to the staff, which is not yet ready for public dissemination. It graphically displays the land holdings in color, he noted. However, he noted, the GIS system is available to view within the office.

The parcel number provides access to each parcel's legal description, the size of the parcel, the type of land, the managing department and the plans for that parcel's future disposal, explained Mr. Chaney.

Juneau has over one million acres of land, said Mr. Chaney, with over 15,000 of those acres zoned Residential. As a result of a study performed in 2006, the City has identified about 12 lots which carry the potential for residential development. Upon further research, four of these lots have been identified as actually suitable for residential development, he explained.

Roughly 25% of the cost of a home is tied to its land value, explained Mr. Chaney. In general, the number of building permits and certificates of occupancy have risen recently, which is a good trend, he noted.

There has been an upswing in the housing market in the past few years, noted Mr. Chaney. He said he felt a lot of this was due to re-zoning and changing zones to allow more density for housing.

Mr. Chaney listed options for stimulating the housing market from a lands perspective which include:

- **City sponsored subdivisions and sales**

An example of this is the Reninger subdivision which will be before the Commission soon, which is a major subdivision to be developed by the City for multi-family housing.

- **Provide incentives to build promptly**

This is the idea that if someone purchases a lot for $100,000 for example, if it is developed within a certain specified period of time, they would get a monetary rebate.

- **Land sales to developers**

These have been done in the past and will be continued in the future.

- **Public private partnerships**

Their success depends upon the details.

Conditional Sale and Housing Market Mix

This is not been done much in Juneau yet; where property is sold to a developer on certain conditions of performance.

Land donations for less than fair market value

An example of this would be the City's numerous donations of land for schools and other public projects.

Community land trust

This has been done in other communities, but not in Juneau.

Juneau affordable housing fund

A fund currently exists to stimulate construction within the community.

Between 1999 and 2015 the City has sold approximately 90 lots, said Mr. Chaney. They would like future CBJ development to be on the sewer system if possible, he noted. Some large tracts which were sold to stimulate housing remain vacant, said Mr. Chaney. They would like to somehow ensure that development occurs on the properties within a specified period of time, said Mr. Chaney.

The future land disposal program will be a combination of large and small lots, and they would like to explore public and private partnerships in all cases, said Mr. Chaney.

The properties identified for land disposal whether in the near or more distant future include:

- Lena Loop – a few lots remain for disposal
- Near DZ Middle School - roughly 13 acres available for disposal
- Switzer Creek - approximately 13 developable acres in the Reninger Subdivision
- Land overlooking the Lemon Creek Valley - requires an access road
- Pederson Hill area - working on cost estimates for access to that site
- City parking lot - this is being proposed for lease
- Douglas town site - Sixth Street would need to be extended
- Bonnie Brae - new acreage now available because of the sewer extension
- Auke Bay - lot currently has no frontage and no access

DRAFT

Mr. Chaney outlined the process for the disposal of large tracts:

- Delineate Site
- Agency Review
- Preliminary Title Report
- Sketch Plat
- Reservation of Public Lands
- Public Workshop
- Development Plan
- Preliminary Plat
- Construction Design
- Final Plat

In addition, Mr. Chaney identified various methods of disposal, which include:

- Leases
- Land Exchanges
- Over the Counter Sales
- Outcry Auction
- Sealed Competitive Bid
- Negotiated Sales
- Disposals for Public Use

There are many variables associated with land development, said Mr. Chaney, but if the land was perfectly flat and all conditions were equal, for just road construction and utility preparation the estimated amount for a D-5 lot would be about $47,000 to $63,000 per property, he said.

Commission Comments and Questions
Mr. Miller noted that in addition to the above costs, a private developer would still have to purchase the land.

The other huge advantage of a CBJ land sale, said Mr. Chaney, is that public land is overturned to private tax rolls. This results in dividends to the community for decades into the future, he said.

The Land Fund is a special revenue fund which provides management for the funding of City resources through the Lands and Resources Division, explained Mr. Chaney.

Mr. Chaney listed the recommendations in the Plan for the future, which encompasses the parcels he listed earlier as available for disposal. He said that he recommends that the City dispose of all of these properties. He also recommended that whenever possible, that access to CBJ land be obtained.

This Plan has already been presented to the Affordable Housing Commission, noted Mr. Chaney, which gave the Plan a unanimous vote of support. They like the focus on housing in the Plan, he added. They have already conducted several other presentations of the document in addition to the Affordable Housing Commission, said Mr. Chaney. Public meetings will be

DRAFT

held, and this Plan will be presented again to the Commission in about a month, he said. It will ultimately need to be approved by the Assembly by ordinance, said Mr. Chaney.

Commission Comments and Questions
Mr. Watson said this is probably the best product that he has seen come out of the Lands Department since he has been on the Commission. Mr. Watson noted that for land disposal, that Parks and Recreation is on the list, and that he has not seen them give up much land in the past. He noted that the Parks and Recreation plan has not been updated in many years, and that it was his impression that the updated Lands Plan mentioned the adoption of the Parks and Recreation Comprehensive Plan.

Mr. Chaney said they would be adopting only the Lands Plan which would set the stage for the management of the other properties mentioned.

Mr. Watson asked if the NOAA property, located out the road, was located outside of the urban service boundary.

Mr. Chaney responded that it was outside of the urban service boundary.

Mr. Voelckers asked for a more specific explanation about the role of the Planning Commission in the development of the Lands Plan. He said the point had been raised at a Committee of the Whole meeting of the Assembly on another issue that sometimes final decisions were made in a fractured manner based upon input from separate City entities rather than a united convergence of opinion.

He said he felt that it stipulated in Title 53 that it was the duty of the Planning Commission to oversee the union of the various entities in the final draft of the Plan. Mr. Voelckers said it was his impression that the Lands Plan should be working in union with the Comprehensive Plan as it developed. He said he felt there was more potential to unite the plans in a more holistic manner, and that specifically he felt the area in town should be investigated more thoroughly.

Chairman Satre said that he agreed, and that he felt the Commission had a very specific role as the final reviewer of the Plan before it went to the Assembly for final approval. He said this may be a good item to run through the Subdivision Review Committee for its input on the Plan. Chairman Satre said he felt the Lands Plan deserved more time from the Planning Commission than just another meeting for its final review.

Mr. Chaney said that is exactly why he was presenting the draft to the Commission now; so that it would have adequate time to formulate its comments. He said he would also be bringing back to the Commission the comments from other committees so that it could consider that feedback when it reviewed the Plan.

DRAFT

Mr. Chaney said the City does not own a lot of property in the downtown area. The property that it does own is mostly hazard zone property, he added.

In terms of making more land available to the public, Ms. Grewe asked Mr. Chaney if he thought the Sixth Street City property had a better opportunity for development or the bench road.

Mr. Chaney responded that opening up the bench road would open up hundreds of acres for development.

XIII. Director's Report

Gastineau Apartments
Mr. Watt reported that the City is working toward the demolition of the Gastineau apartments. It has become clear for safety reasons, timeliness, and financial reasons that the most efficient way to proceed was to demolish the small park adjacent to the apartments. While the City does not need any special permits to accomplish this, they wanted to mention this to the Commission in case it wanted to bring it up for public review. He added that the Parks and Recreation Advisory Committee has agreed that this is the right course of action to take. The City will be opening bids for the project around October 12, (2015), said Mr. Watt.

They will be doing an addendum to recognize the fact that potential bidders for the project are not in favor of an accelerated schedule, said Mr. Watt. Recognizing this, they will be doing an addendum to lengthen the completion requirement for the demolition of the project to the end of April, he said.

Commission Comments and Questions
Mr. Voelckers asked if there was any way to gauge the potential for lawsuits involving the property.

Mr. Watt responded that he did not feel a lawsuit was going to transpire.

Mr. Voelckers asked who would own the lot when the demolition was complete.

It would be the current owners, responded Mr. Watt, with the City holding a right of entry to the property to demolish it. He said the City would never own the land.

Housing Action Plan
Ms. McKibben reported that the Affordable Housing Commission will be giving a final review of the draft of the Housing Action Plan. The consultant will be in Juneau for the Committee of the Whole meeting at the end of October to present the draft plan to the Assembly, said Ms. McKibben.

DRAFT

New Community Development Department Senior Planner
Ms. McKibben introduced Jill Maclean, the new Senior Planner for the Community Development Department.

XIV. REPORT OF REGULAR AND SPECIAL COMMITTEES

Committee on Sustainability
Mr. Haight reported that the Committee on Sustainability met last week. They are continuing to work on the Energy Plan, he said, which is currently their primary item.

XV. PLANNING COMMISSION COMMENTS AND QUESTIONS

Joint Committee of the Whole Meeting Cancellation
Mr. Watson mentioned that the Commission was scheduled to participate in a joint Committee of the Whole meeting with the Assembly prior to the regular Commission meeting this evening. He said the Liaison made the comment at the regular Assembly meeting that the reason the Committee of the Whole meeting was canceled was because of a lack of quorum by the Planning Commission. This resulted in some comments from the Mayor, said Mr. Watson. Mr. Watson said he checked with a CDD planner and was told that the reason the Committee of the Whole Meeting was canceled was because there was additional work which needed to be accomplished on that issue.

Mr. Watson said he hoped the record is corrected to reflect the actual reason for the cancellation of the joint Committee of the Whole Meeting.

New Planning Director
Ms. Grewe stated that she would like to see the Planning Commission have a more active role in the hiring of the Planning Director.

Mr. Voelckers asked if the new City Manager and the new Planning Director were going to be hired at the same time, or if one position proceeded the other in the hiring process, or if the City Manager was going to be hired first and then hire the Planning Director.

Ms. McKibben responded that it was her understanding that the current City Manager would like to hire the new Planning Director.

XVI. ADJOURNMENT

The Meeting was adjourned at 8:20 p.m.

DRAFT

Community Development

City & Borough of Juneau • Community Development
155 S. Seward Street Juneau, AK 99801
(907) 586-0715 Phone (907) 586-4529 Fax

DATE: September 29, 2015

TO: Planning Commission

FROM: Jill Maclean, Senior Planner
Community Development Department

FILE NO.: CSP2015 0015

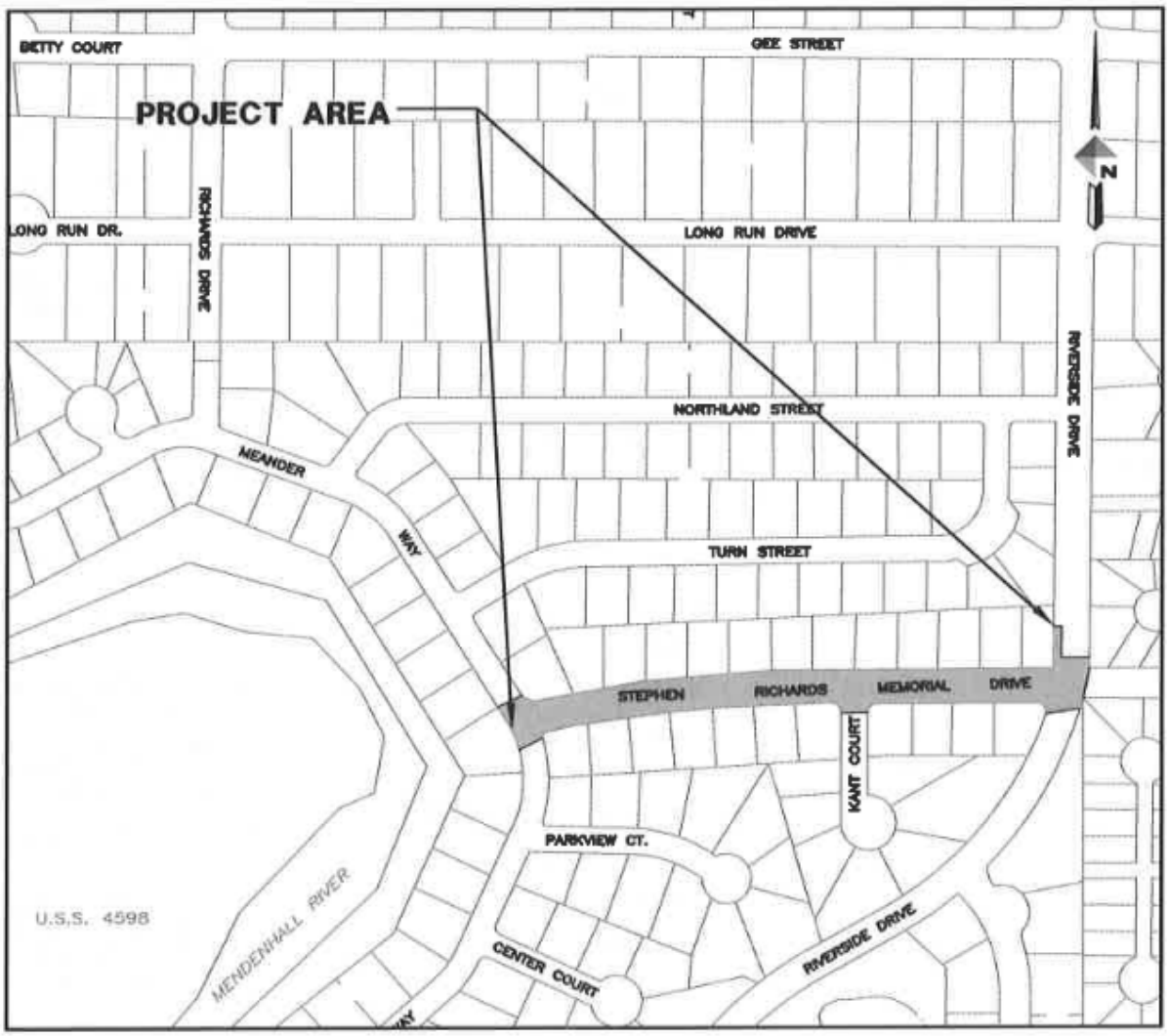
PROPOSAL: Planning Commission review of the City project to reconstruct the section of Stephen Richards Memorial Drive between Meander Way and Riverside Drive.

GENERAL INFORMATION

Applicant:	City and Borough of Juneau
Property Owner:	City and Borough of Juneau
Property Address:	Stephen Richards Memorial Drive, between Meander Way and Riverside Drive
Legal Description:	Lakewood Subdivision
Parcel Code No.:	N/A
Site Size:	Project Length approx. 1,130 ft.; Roadway width 21.2ft.
Comprehensive Plan Future Land Use Designation:	Urban Low Density Residential
Roadway Designation and Surrounding Zoning:	Street other than Arterial or Collector; (D5)
Utilities:	City Water and Sewer

Access:	Meander Way and Riverside Drive; and Kant Court
Existing Land Use:	Current CBJ Right of Way
Surrounding Land Use:	North - (D5) Single-Family/Duplex Residential South - (D5) Single-Family/Duplex Residential East - (D15) Multifamily West - (D5) Single-Family/Duplex Residential

VICINITY MAP



ATTACHMENTS

Attachment A: Development Permit Application & City Project Application
Attachment B: Typical Section (project description)
Attachment C: Capital Improvement Program, FY 2016-2021 (p.8, 29)
Attachment D: Site Photos

BACKGROUND

The CBJ Engineering Department has submitted a proposal to reconstruct the section of Stephen Richards Memorial Drive between Meander Way and Riverside Avenue (see Attachment A). The project will be completed in the 2016 construction season and is expected to take 90 days.

The project includes the replacement of storm drainage, sub-base and paving; and the installation of a sidewalk on the south side of the road with a valley gutter on the north side (see Attachment B). The reconstruction includes the widening of the existing road up to 1' 10" (width varies due to the meandering of the existing road) for the sidewalk and valley gutter. Two new fire hydrants and associated paved pads will be installed. The existing water main and services will not be replaced, nor will the existing sewer mains and services. Existing concrete and asphalt driveways will be cut back as required to match the new street and will be replaced with similar surface materials. All mailbox assemblies will be replaced to conform to CBJ standards. A painted crosswalk will be added to the southerly side of the Riverside Drive intersection; and a crosswalk will be installed from Stephen Richards Memorial Drive to Meander Way on the southern side. No changes will be made to the street light system. Top soil and seeding will be installed to match existing lawns.

The Department of Public Works/Engineering held a public meeting, attended by twelve members of the public, on September 9, 2015 to discuss the project with the abutters. It was stated by Engineering that 14 catch basins will be placed along the street to decrease the amount of ponding in roadway; construction will occur in increments of approximately 300 ft. at a time in order to disturb as few residences at a time; and where possible, the project will not disturb the existing landscaping located in the ROW, such as trees, shrubs, and planters.

ANALYSIS

> *CBJ 49.10.170(c) City and borough land acquisitions, disposals and projects. The commission shall review and make recommendations to the assembly on land acquisitions and disposals as prescribed by title 53, or capital improvement project by any City and Borough agency. The report and recommendation of the commission shall be based upon the provisions of this title, the comprehensive plan, and the capital improvements program.*

The Six Year Capital Improvements Program for FY2016-2021 lists this project as Lakewood Subdivision Phase IV, and is allocating $900,000.00 of Areawide Sales Tax funds to the Lakewood Subdivision roadway and drainage improvement plan (see Attachment C). The project cost for the proposed project is estimated to be $770,000.

Stephen Richards Memorial Drive is a 60ft. right-of-way with a 29ft. paved roadway, and no sidewalks. The project proposes a paved width of 21.2 ft., allowing for 10.6 ft. driving lanes in either direction for vehicular traffic, a valley gutter, and a 5ft. sidewalk along one side. The reconstruction from the back edge of the valley gutter to the back edge of the new sidewalk will be 30 ft. in width, with minor variations due to the meandering layout of the road.

The contractor will ensure minimum disturbance to residents along Stephen Richards Memorial Drive and Kant Court during the construction. This includes, but is not limited to the following:

- The contractor will provide access for emergency vehicles at all times.
- The contractor will not be permitted to obstruct vehicular traffic between the hours of 4:30pm and 8:00am seven days a week. Two lanes of traffic will be open to vehicular traffic and with a minimum total width of 18 ft.
- A minimum of one lane (11 ft.) shall be kept open to vehicular traffic at all times, except a 5 minute maximum stoppage to vehicular traffic will be permitted with no more than one traffic stoppage per hour.
- The paving sequence will allow for Kant Court residents to have access to their homes at all times.
- Pedestrian traffic will be available along at least one side of the street at all times. The pedestrian pathway will be clearly marked and satisfy the requirements as described in the special provisions.
- Mail delivery services shall not be interrupted and access to each mailbox receptacle shall be available to the USPS and the residents at all times.
- Existing mailboxes that are moved by the contractor shall have temporary supports provided as required for continued usage.

Further, it is noted that the proposed crosswalk at Meander Way is located along a curve. The proposed crosswalk is also the only one in this vicinity along Meander Way. Given the lack of sight lines for both motorists and pedestrians, it is recommended that “Pedestrian Crossing Ahead” signs be installed in both directions to provide motorists with proper advanced notification. Installation of these signs complies with the *Juneau Non-Motorized Transportation Plan.*

CONFORMITY WITH ADOPTED PLANS

This project was reviewed for conformance with:
Title 49
Comprehensive Plan (2013)
Area-Wide Transportation Plan (2001)
Juneau Non-Motorized Transportation Plan (2009)
Juneau Safe Routes to School (2012)

Title 49

The roadway reconstruction of Stephen Richards Memorial Drive does not comply with the public improvement standards of Title 49 Section 49.35.240, which requires local streets to have a width of at least 28' ft., with sidewalks on both sides of the street, and street lights.

Although it does not meet current standards, the construction of a sidewalk along the south side brings Stephen Richards Memorial Drive closer to conformance than the existing street, improving pedestrian connectivity.

2013 Comprehensive Plan

The Stephen Richard Memorial Drive project will be an improvement of current conditions and shows compliance with the 2013 Comprehensive Plan.

The Comprehensive Plan strongly supports the inclusion of sidewalks in road construction projects. As indicated below, the Plan mandates the provision of sidewalks in neighborhood streets to provide safe pedestrian access to schools, recreational trails and other neighborhood amenities. The project area is within an eighth of a mile from the Dimond Park Complex, which includes Thunder Mountain High School, Riverbend Elementary School, Dimond Park Aquatic Center Wells Fargo Field House and other community activities.

> **POLICY 8.6. TO PROMOTE AND FACILITATE TRANSPORTATION ALTERNATIVES TO PRIVATE VEHICLES AS A MEANS OF REDUCING TRAFFIC CONGESTION, AIR POLLUTION AND THE CONSUMPTION OF FOSSIL FUELS, AND TO PROVIDE SAFE AND HEALTHY MEANS OF TRANSPORTATION TO ALL PEOPLE.**
>
> **8.6 - IA3 Implement the pedestrian and non-motorized improvements called for in the *Area Wide Transportation Plan* as funding becomes available. Where there is a public need for those improvements in the immediate future, actively pursue the funding needed to complete those improvements.**
>
> **8.6 - IA4 Work with the Juneau School District and other agencies to identify opportunities for improved pedestrian and bicycle access to schools.**

Area-Wide Transportation Plan (AWTP)

The AWTP does not make direct mention of Stephen Richards Memorial Drive or the Lakewood Subdivision, but it does recommend the improvement of pedestrian connections within neighborhoods in the Mendenhall Valley/Airport/Nugget Mall sub-area (p.17). Additionally, the AWTP Priority Solution List includes the following priority:

> **6. PEDESTRIAN AND BICYCLE FACILITIES ON LOCAL AND COLLECTOR STREETS – WITH NEW CONSTRUCTION AND RECONSTRUCTION, EVALUATE PEDESTRIAN AND BICYCLE NEEDS AND RECOMMEND SIDEWALKS ON ONE OR BOTH SIDES OF A STREET, AS APPROPRAITE, IN ALL COMMERCIAL OR RESIDENTIAL SUBDIVISIONS.**

This proposed project includes the construction of a sidewalk on the south side of the roadway. The proposed sidewalk connects to existing sidewalks along Riverside Drive and Meander Way, including improved crosswalks at the intersection of Riverside Drive meeting ADA standards; and one new crosswalk at Meander Way, also meeting ADA standards. The installation of this sidewalk, connecting to existing sidewalks on Riverside Drive and Meander Way, provides for safer pedestrian flow from the neighborhood to River Bend Elementary School, Floyd Dryden Middle School, Thunder Mountain High School, Riverside Rotary Park, Dimond Park Aquatic Center, other community activities, and to adjacent neighborhoods.

Juneau Non-Motorized Transportation Plan

The Non-Motorized Transportation Plan does not address Stephen Richards Memorial Drive specifically, yet it advocates for and makes recommendations to ensure pedestrian safety. These recommendations include development of Safe Crossings, Accessibility, and Traffic Separation (p.19-20). The construction of the sidewalk and crosswalks to ADA standards implements these recommendations. Further, Section 6.2 Sidewalk Standards, states that sidewalks meet the ADA standards and be a minimum 5ft. in width—the proposed sidewalk meets these standards.

Due to the location of the proposed crosswalk at Meander Way on a curve, which diminishes the lines of sight, installation of pedestrian crossing warning signs on Meander Way are recommended and comply with the plan, Section 6.7 Safe Crossings and Intersections—"Signs warning motorists of the presence of pedestrians", and is strongly recommended.

Juneau Safe Routes to School Plan (SRTS)

The Juneau SRTS found that safety concerns are a primary reason for parents not allowing children to walk or bike to school. Between 1999 and 2011, 208 accidents occurred in Juneau involving a vehicle and a pedestrian or bicyclist, including four fatalities. In order to combat these findings, a programming and funding goal of the Juneau SRTS is to "Improve pedestrian and bicycle infrastructure - such as sidewalks, crosswalks and bicycle lanes – to increase the number of children walking and cycling to school" (p.1).

The Plan also found that Riverbend Elementary and Floyd Dryden Middle School both recommended installation of a crosswalk as proposed at Meander Way, as it is considered a "walking collector street" used by the children from the neighborhoods west of Riverside Drive. The proposed sidewalk installation and new crosswalks assist in meeting the needs of schoolchildren in the area who walk to the elementary, middle and high school by continuing, and connecting to, the existing sidewalk system.

HABITAT

No habitat regulated by Title 49 will be affected by the applicant's roadway improvement project. The nearest active eagle's nest is approximately 1,000 ft. from the proposed site, exceeding the Title 49 setback requirement of 330 ft. The nearest anadromous stream is Mendenhall River which is approximately 125 ft. from the proposed site, exceeding the Title 49 setback requirement of 50 ft.

FINDINGS

Staff finds the proposed Stephen Richards Memorial Drive roadway reconstruction improvement project to be largely consistent with adopted plans. The Comp Plan and AWTP both strongly recommend sidewalk connections within neighborhood streets and nearby schools, community centers and other neighborhood destinations. Improving the sidewalk network in the area provides greater pedestrian connectivity, as recommended in the Juneau Non-Motorized Transportation Plan. Improved pedestrian connections are key in this project area—located less than an eighth mile from the Dimond Park Complex, which includes Riverbend Elementary School, Thunder Mountain High School, Dimond Park Aquatic Center, the Wells Fargo Field House and other community amenities. To ensure pedestrian safety, staff finds that "Pedestrian Crossing Ahead" signs should be installed to provide advanced warning to motorists on Meander Way, in both the northerly and southerly directions.

RECOMMENDATION

Staff recommends that the Planning Commission adopt the above analysis and findings, and recommend to the Assembly authorization of the reconstruction of Stephen Richards Memorial Drive from Meander Way to Riverside Drive, with the street cross-section provided.

DEVELOPMENT PERMIT APPLICATION

Project Number	CITY and BOROUGH of JUNEAU	Date Received: 9/11/15
Project Name (City Staff to Assign Name)		

INFORMATION

Project Description
RECONSTRUCTION OF STEPHEN RICHARDS MEMORIAL DRIVE INCLUDING REPLACEMENT OF STORM DRAINAGE, ~~SUBBASE~~ SUBASE AND AC PAVEMENT. AND INSTALLATION OF SIDEWALK

PROPERTY LOCATION

Street Address	City/Zip
STEPHEN RICHARDS MEMORIAL DRIVE	

Legal Description(s) of Parcel(s) (Subdivision, Survey, Block, Tract, Lot)
LAKEWOOD SUBDIVISION

Assessor's Parcel Number(s)

LANDOWNER/ LESSEE

Property Owner's Name	Contact Person:	Work Phone:
CBJ		
Mailing Address	**Home Phone:**	**Fax Number:**
E-mail Address	**Other Contact Phone Number(s):**	

LANDOWNER/ LESSEE CONSENT

Required for Planning Permits, not needed on Building/ Engineering Permits

I am (we are) the owner(s)or lessee(s) of the property subject to this application and I (we) consent as follows:

A. This application for a land use or activity review for development on my (our) property is made with my complete understanding and permission.
B. I (we) grant permission for officials and employees of the City and Borough of Juneau to inspect my property as needed for purposes of this application.

X _____ Landowner/Lessee Signature _____ Date

X _____ Landowner/Lessee Signature _____ Date

NOTICE: The City and Borough of Juneau staff may need access to the subject property during regular business hours and will attempt to contact the landowner in addition to the formal consent given above. Further, members of the Planning Commission may visit the property before the scheduled public hearing date.

PROJECT / APPLICANT

APPLICANT

If the same as OWNER, write "SAME" and sign and date at X below

Applicant's Name	Contact Person:	Work Phone:
JOHN NELSON ENGINEERING DEPT.	SAME	586-0896
Mailing Address	**Home Phone:**	**Fax Number:**
155 S. SEWARD ST JUNEAU AK 99801	957-2187	463-2606
E-mail Address	**Other Contact Phone Number(s):**	
JOHN.NELSON@JUNEAU.ORG		

X _____ Applicant's Signature _____ 9/11/15 Date of Application

----------OFFICE USE ONLY BELOW THIS LINE----------

STAFF APPROVALS

✓	Permit Type	*SIGN	Date Received	Application Number(s)
	Building/Grading Permit			
✓	City/State Project Review and City Land Action		9/11/15	CSP20150015
	Inquiry Case (Fee in Lieu, Letter of ZC, Use Not Listed)			
	Mining Case (Small, Large, Rural, Extraction, Exploration)			
	Sign Approval (If more than one, fill in all applicable permit #'s)			
	Subdivision (Minor, Major, PUD, St. Vacation, St. Name Change)			
	Use Approval (Allowable, Conditional, Cottage Housing, Mobile Home Parks, Accessory Apartment)			
	Variance Case (De Minimis and all other Variance case types)			
	Wetlands Permits			
	Zone Change Application			
	Other (Describe)			

***Public Notice Sign Form filled out and in the file.

Comments:

Permit Intake Initials: JKL

NOTE: DEVELOPMENT PERMIT APPLICATION FORMS MUST ACCOMPANY ALL OTHER COMMUNITY DEVELOPMENT DEPARTMENT APPLICATIONS

CITY/STATE PROJECT AND LAND ACTION REVIEW APPLICATION

Project Number	Project Name (15 characters)	Case Number	Date Received
		CSP 20150015	9/11/15

TO BE COMPLETED BY THE APPLICANT

TYPE OF PROJECT REVIEW:

☒ City Project Review ☐ City Land Acquisition /Disposal ☐ State Project Review

DESCRIPTION OF PROJECT

RECONSTRUCTION OF STEPHEN RICHARDS MEMORIAL DRIVE, INCLUDING REPLACEMENT OF STORM DRAINAGE, SUBBASE AND AC PAVEMENT AND INSTALLATION OF SIDEWALK

Please attach a cover letter to fully explain the project if there is not adequate space on this form.

CURRENT USE OF LAND OR BUILDING(S):

CURRENT C3-1 R.O.W.

PROPOSED USE OF LAND OR BUILDING(S):

SAME

PROJECT NUMBERS ASSOCIATED WITH PROPOSAL:

Is this project associated with any other Land Use Permits? ☐ No ☐ Yes Case No.: _____

Capital Improvement Program # (CIP) R72104

Local Improvement District # (LID) _____

State Project # _____

ESTIMATED PROJECT COST: $ 770,000

For more information regarding the permitting process and the submittals required for a complete application, please see the reverse side.

If you need any assistance filling out this form, please contact the Permit Center at 586-0770.

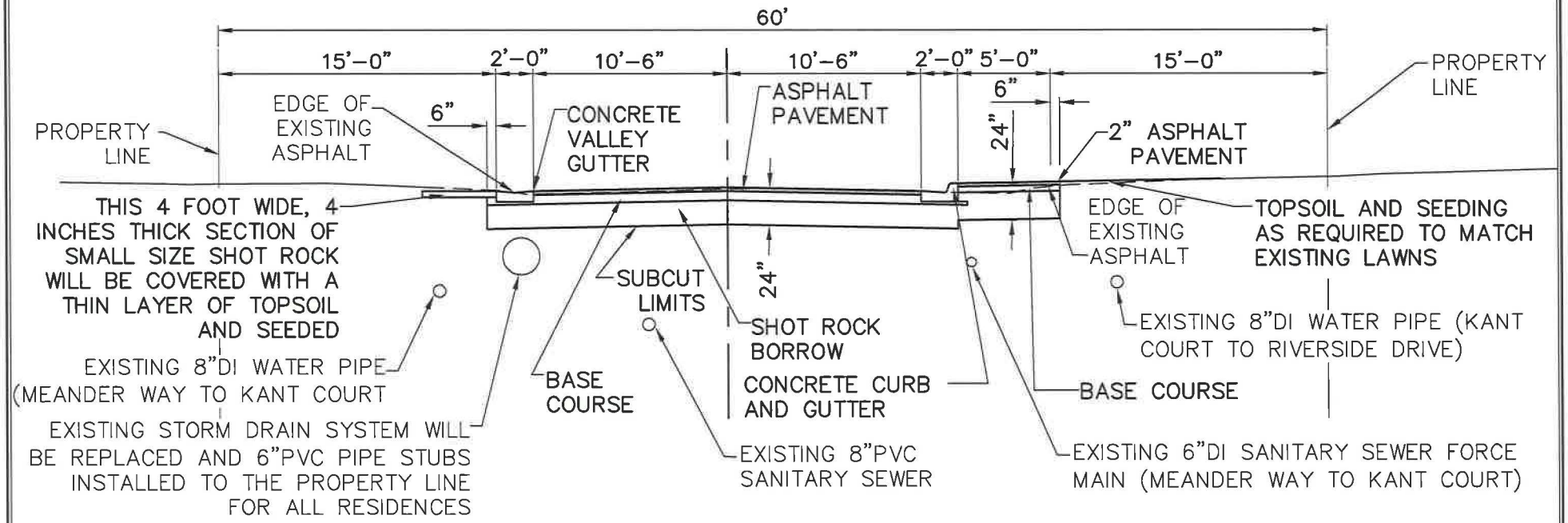
CITY/STATE PROJECT FEES

	Fees	Check No.	Receipt	Date
Application Fees	$ Ø			
Total Fee	$ Ø			

NOTE: MUST BE ACCOMPANIED BY* DEVELOPMENT PERMIT APPLICATION *FORM

&

EVEN IF THE PROPOSED PROJECT IS ASSOCIATE WITH OTHER LAND USE PERMITS, THIS APPLICATION MUST BE FILLED OUT



STEPHEN RICHARDS MEMORIAL DRIVE

(LOOKING TOWARDS RIVERSIDE DRIVE)

TYPICAL SECTION

- EXISTING PAVEMENT IS APPROXIMATELY 29 FEET IN WIDTH. OUTER EDGE OF NEW VALLEY GUTTER TO OUTER EDGE OF NEW PAVED SIDEWALK WILL BE 30'–0" IN WIDTH. DUE TO THE MEANDERING OF THE EXISTING STREET ALIGNMENT, THE OUTER EDGES OF THE NEW VALLEY GUTTER OR SIDEWALK WILL BE UP TO 1'–10" OUTSIDE THE EDGE OF EXISTING ASPHALT PAVEMENT AT SOME LOCATIONS.
- EXISTING WATER MAIN AND SERVICES WILL NOT BE REPLACED, EXCEPT THE TWO FIRE HYDRANTS WILL BE REPLACED AND PAVED HYDRANT PADS ADDED.
- EXISTING SEWER MAINS AND SERVICES WILL NOT BE REPLACED.
- EXISTING CONCRETE AND ASPHALT DRIVEWAYS WILL BE CUT BACK AS REQUIRED TO MATCH WITH THE NEW STREET AND SIDEWALK GRADES AND REPLACED WITH SIMILAR SURFACING MATERIALS.
- ALL MAIL BOX ASSEMBLIES WILL BE REPLACED TO CONFORM TO CBJ STANDARDS.
- A PAINTED CROSSWALK WILL BE ADDED TO THE SOUTHERLY SIDE OF THE RIVERSIDE DRIVE INTERSECTION.
- NO CHANGES WILL BE MADE TO THE EXISTING STREET LIGHTING SYSTEM.
- THE PROPOSED TYPICAL SECTION IS SIMILAR TO THOSE USED FOR THE RECENT MEANDER WAY PROJECTS.

RECEIVED
SEP 11 2015
PERMIT CENTER/CDD
CSP2015015

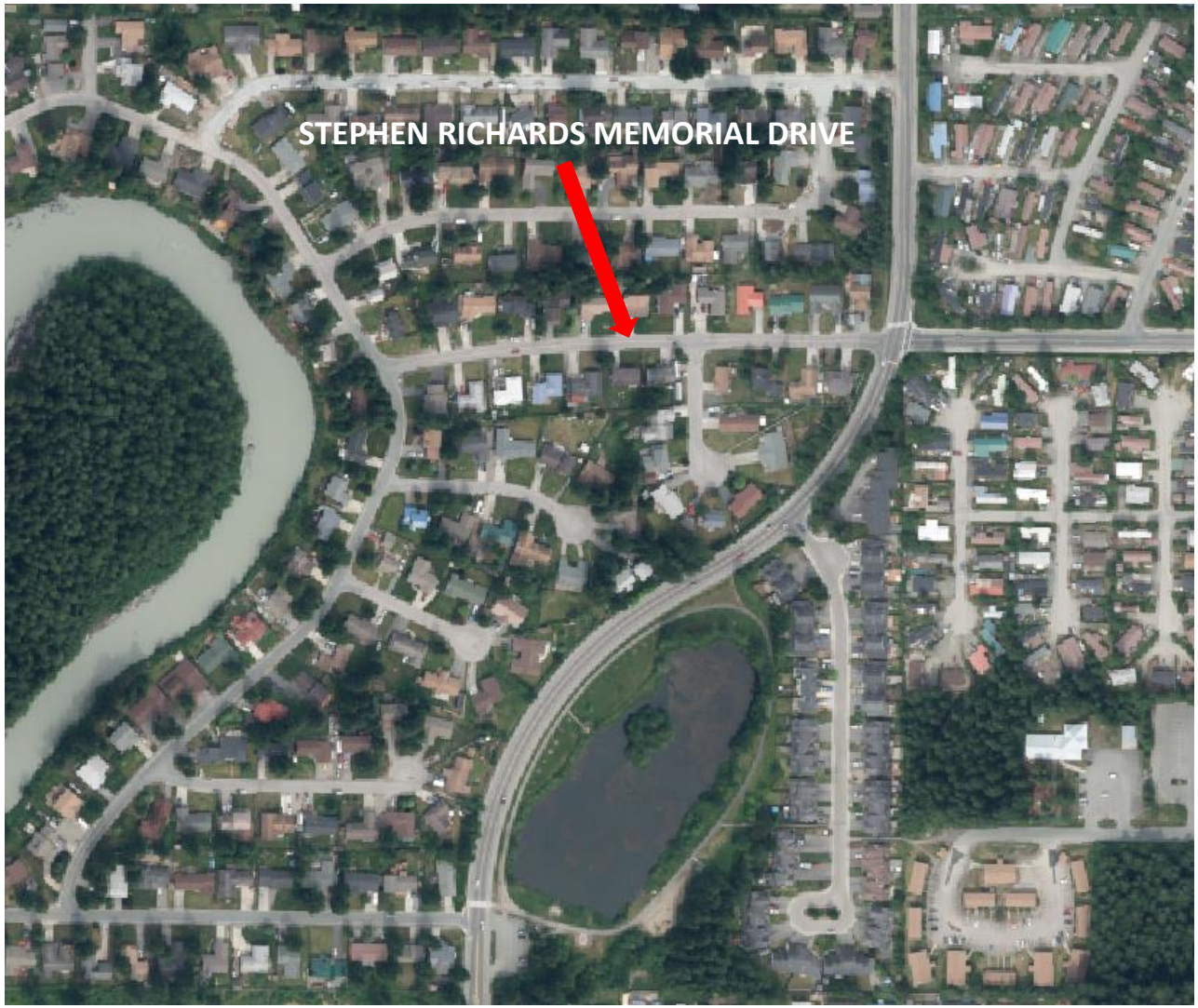
FY 2016 CIP DEPARTMENT IMPROVEMENT PLANS

Department	Division	Priority	Project	Funding Source	Amount
				Finance Department Total Funding:	**$ 5,000,000**
Fire & JPD		1	Emergency Services Comm. Equip/Ped. Hill Tower Upgrades	Unscheduled - State Priority Requests	$ 150,000
				Fire & JPD Departments Total Funding:	**$ 150,000**
Parks & Recreation	**Bldg Maintenance**	1	Deferred Building Maintenance	Temporary 1% Sales Tax - 10/01/13 - 09/30/18	$ 1,400,000
				General Sales Tax	$ 169,100
	Rec Buildings	1	Mt Jumbo Gym Roof	General Sales Tax	$ 250,000
		2	Augustus Brown Pool HVAC Controls	General Sales Tax	$ 330,000
	Parks/Rec Areas	1	Park & Playground Repairs	Areawide Sales Tax	$ 200,000
		2	Sports Field Resurfacing & Repairs	Areawide Sales Tax	$ 100,000
		3	Parks Improvements	Temporary 1% Sales Tax - 10/01/13 - 09/30/18	$ 1,123,000
		4	Zach Gordon & Augustus Brown Improvements	Temporary 1% Sales Tax - 10/01/13 - 09/30/18	$ 55,000
	Trail Maintenance	1	Trail Improvements	Temporary 1% Sales Tax - 10/01/13 - 09/30/18	$ 200,000
				Parks & Recreation Department Total Funding:	**$ 3,827,100**
Public Works and Engineering Department					
	Capital Transit	1	Transit Shelters	Areawide Sales Tax	$ 150,000
		2	Transit Technology	Areawide Sales Tax	$ 100,000
		3	Downtown Passenger Transportation Improvements	Marine Passenger Fee Priorities	$ 150,000
	Engineering	1	Downtown St Improvements (Front, Franklin, Dt Core)	Areawide Sales Tax	$ 250,000
		2	Parking Management	Areawide Sales Tax	$ 500,000
		3	Waterfront Seawalk	Marine Passenger Fee Priorities	$ 650,200
	Streets	1	Distin - W Eighth Reconstruction	Areawide Sales Tax	$ 1,200,000
		2	Pavement Management	Areawide Sales Tax	$ 955,000
		3	Lakewood Subdivision, Phase IV	Areawide Sales Tax	$ 900,000

FY 2016 CIP PROJECT DESCRIPTIONS

Department	Division	Priority	Project Description
		3	**DOWNTOWN PASSENGER TRANSPORTATION IMPROVEMENTS -** these funds will be used to study the feasibility of a circular transit system in downtown Juneau and to develop a plan for improved pedestrian networks, visitor pathways, public spaces and restrooms including enhanced way finding and interpretive signage throughout the waterfront area.
	Engineering	1	**DOWNTOWN STREET IMPROVEMENTS - FRONT, FRANKLIN, DOWNTOWN CORE -** The Franklin and Front Street Reconstruction project is in Phase I, conceptual design and planning. This phase involves public outreach, pedestrian analysis specifically addressing the new cruise ship docks and other infrastructure improvements in the downtown area, and concept design services.
		2	**PARKING MANAGEMENT -** identify and implement a replacement downtown parking management system for the failed / defaulted APARC downtown parking meter system.
		3	**WATERFRONT SEAWALK -** This project will provide funding to continue the design, examination of right-of-way issues, pedestrian access and safety, and construction of the seawalk in accordance with the Waterfront Development Plan.
	Streets	1	**DISTIN - WEST EIGHTH RECONSTRUCTION -** Reconstruct roadway and add/improve storm drainage system. Evaluate street light coverage and possible need for lighting. Roadway base to be excavated and replaced with shot rock to improve drainage under roadway and new asphalt. Repair/replace water and waste water utilities as needed.
		2	**PAVEMENT MANAGEMENT -** This is an on-going pavement management program to provide chip seal, asphalt overlays, and other preventative maintenance treatments to CBJ streets. Pavement maintenance is required to extend the functional life of the road surfaces an additional 5 to 10 years. The program also provides capital funding to purchase and repair specialized asphalt maintenance equipment and to purchase necessary paving materials (oil, aggregates, chemicals) for pavement maintenance.
		3	**LAKEWOOD SUBDIVISION IMPROVEMENTS - PHASE IV -** Reconstruct roadway, add sidewalk and improve drainage on Stephen Richards. Evaluate street light coverage and possible need for additional lights or to move existing lights. Roadway base to be excavated and replaced with shot rock to improve drainage under roadway and new asphalt applied. Minor waste water utility repairs will also be required.
		4	**MEADOW LANE ROADWAY & DRAINAGE IMPROVEMENTS -** This project includes reconstruction of street base and asphalt, installation of underground storm drains and street light evaluation. This street currently has no drainage inlets and improvements are needed to allow drainage from Stikine St. to enter the storm drain system. The existing pavement also has many low spots along the street (mainly in front of driveways) and standing water on the asphalt is causing road accelerated pavement deterioration which will be addressed by this this project.

Aerial View



ATTACHMENT D

SRM Drive & Riverside Ave Intersection

ATTACHMENT D

SRM Drive & Kant Court Intersection

ATTACHMENT D

SRM Drive Easterly View

ATTACHMENT D

SRM Drive & Meander Way Intersection

ATTACHMENT D

Meander Way Curve

ATTACHMENT D

CITY/BOROUGH OF JUNEAU
ALASKA'S CAPITAL CITY

PLANNING COMMISSION
NOTICE OF RECOMMENDATION
Date: October 13, 2015
File No.: CSP2015 0015

City and Borough of Juneau
CBJ Assembly Members
155 S Seward Street
Juneau, AK 99801

Application For: Planning Commission Recommendation to the City and Borough Assembly regarding Planning Commission review of the City project to reconstruct the section of Stephen Richards Memorial Drive between Meander Way and Riverside Drive.

Legal Description or ROW name: Stephen Richards Memorial Drive section between Meander Way and Riverside Drive

Hearing Date: October 13, 2015

The Planning Commission, at a regular public meeting, adopted the analysis and findings listed in the attached memorandum dated September 29, 2015, and recommended that the City Manager direct CBJ staff to design and build the project.

Attachments: September 29, 2015 memorandum from Jill Maclean, Community Development, to the CBJ Planning Commission regarding CSP2015 0015.

This Notice of Recommendation constitutes a recommendation of the CBJ Planning Commission to the City and Borough Assembly. Decisions to recommend an action are not appealable, even if the recommendation is procedurally required as a prerequisite to some other decision, according to the provisions of CBJ §01.50.020(b).

Project Planner: _____ _____
Jill Maclean, Planner — Dennis Watson, Vice Chair
Community Development Department — Planning Commission

_____ 10/14/15
Filed With City Clerk — Date

cc: Plan Review

NOTE: The Americans with Disabilities Act (ADA) is a federal civil rights law that may affect this development project. ADA regulations have access requirements above and beyond CBJ - adopted regulations. The CBJ and project designers are responsible for compliance with ADA. Contact an ADA - trained architect or other ADA trained personnel with questions about the ADA: Department of Justice (202) 272-5434, or fax (202) 272-5447, NW Disability Business Technical Center (800) 949-4232, or fax (360) 438-3208.

Community Development

City & Borough of Juneau • Community Development
155 S. Seward Street Juneau, AK 99801
(907) 586-0715 Phone (907) 586-4529 Fax

DATE: September 29, 2015

TO: Planning Commission

FROM: Teri Camery, Senior Planner
Community Development Department

FILE NO.: AME2015 0014

SUBJECT: Preliminary Draft Juneau Wetlands Management Plan Update

Introduction and Overview

CDD has received the preliminary draft Juneau Wetlands Management Plan Update from Bosworth Botanical Consulting. This Plan, funded entirely through a federal grant, represents the culmination of the wetland assessment field work conducted in the 2014 and 2015 field seasons.

The initial stage of CDD efforts on the update began in 2009. In 2009 the Planning Commission and Assembly re-evaluated CBJ's former goal of developing a wetland mitigation bank to lower wetland mitigation costs within the borough. The Commission and Assembly concluded that an update to the existing Juneau Wetlands Management Plan was a better option. This is because an update to the plan could provide advance planning information on wetlands to identify low-value wetlands and upland areas suitable for development, and also because a mitigation bank did not appear to be a practical option.

Following this determination, CDD staff sought grant funds to the support the update. The multi-stage application period for the federal Coastal Impact Assistance Program (CIAP) grants began in 2010. In 2012, CBJ was officially awarded a $1.6 million Habitat Mapping Grant. The grant provided for new LiDAR (light detection and ranging, which provides detailed topographical data) and imagery, an updated wetland assessment methodology, new stream maps, and the Wetlands Management Plan. This is described in more detail in the Background section of this memo.

The report includes 345 wetland assessments. Of these 345 assessments, approximately 18 assessments are on private land and the remaining 327 assessments are on city land. The Plan also includes 48 off-site assessments on private properties where CDD did not obtain permission for on-site assessment. This is explained in greater detail later in this memo. Each assessment includes detailed wetland maps, LiDAR (topographical data), photographs, and wetland function scores.

The CBJ Lands Division has already been actively using the assessment information for subdivision planning. For example, the Renninger Major Subdivision used the wetland assessment information to determine areas most suitable for development and for wetland mitigation. CBJ Lands is also using the information in the plan for development of the Pederson Hill subdivision. This information has already saved the CBJ Lands Division tens of thousands of dollars. Similarly, the private property assessments in the Plan potentially save individual property owners many thousands of dollars by providing assessment information in advance and identifying non-wetland (upland) areas to focus development. This information also shortens permitting time when wetland permits are required.

The JWMP Update is largely constructed from a series of bi-weekly field progress reports and the 2014 Field Season Report required in earlier stages of the project, with added chapters regarding implementation options to inform the Assembly and Planning Commission about how this information may be used to develop a wetland management strategy. The report is preliminary, the earliest stage of public review. CDD staff received the documents on September 16, 2015 and have not yet completed a full evaluation. CDD is not providing recommendations on management strategies or other Plan revisions at this time. We expect to complete our internal review and potentially have a recommendation before the Planning Commission meeting, however that is not possible before the staff report deadline.

The draft Plan has two volumes. Volume I includes a description of the project history, wetland methodology, distribution of wetland scores, and implementation options (potential wetland management strategies). Volume II includes detailed scores, maps, and photographs for each of the 345 on-site wetland assessments and 48 off-site assessments. The off-site assessments use only the 2013 LiDAR and imagery acquired in an earlier stage of the federal grant. These assessments were conducted on large vacant private parcels where CBJ could not obtain permission from private property owners to conduct on-the-ground wetland assessments.

Comments and Focus of Review. CDD encourages the Planning Commission to focus review and comments on Volume I, with a special focus on the implementation section. CDD requests Planning Commission comments no later than October 30, 2015. CDD Staff are available at any time for questions or for follow-up meetings.

Project Timelines. The preliminary draft JWMP is the first and earliest stage of public review on the project. Bosworth Botanical Consulting will give presentations to the Habitat Mapping Working Group (comprised of state and federal resource agencies to provide technical support for the project), Wetlands Review Board, Assembly Lands Committee, and the Planning Commission at public meetings from September 24 through October 13, 2015. Each entity is invited to submit comments by October 30, 2015. CDD will combine these comments with a detailed internal review of the Plan, and submit a revision request to the consultant by November 15, 2015.

The next draft of the Plan is due from the consultant on February 15, 2016, which will be followed by a second round of presentations to the entities listed above. Revisions from CDD will be due to the consultant on March 15. The final draft is due from the consultant on April 8, 2016. The grant and contract must be closed out by June 2016. CDD expects that additional revisions will be needed before the Plan is adopted. These final revisions will be the responsibility of CDD.

Background

The goal of the JWMP Update is to develop a long-range planning document that will assist public land managers and interested private landholders with practical management of their properties. The update identifies wetland areas within designated priority areas and applies the WESPAK-SE wetland assessment method to these areas to produce assessment scores, maps, and supplementary documentation. Priority areas are based on large vacant public and private parcels in areas within the CBJ that are likely to be developed within 20 years.

Identifying and assessing wetlands using a consistent, standard scientific method provides information to public and private developers so they may determine if additional wetland review and delineation is needed when a specific project is proposed. The Plan provides wetland maps and wetland scores so land managers/owners have advance information on high scoring wetlands (which may be suitable for mitigation) and low scoring wetlands (which may be suitable for development).

Federal Grant Funding. The project is the largest element of the $1.6 million Habitat Mapping Project, a 3.5 year project funded through the federal Coastal Impact

Assistance Program (CIAP). The Habitat Mapping Project, which began in 2012, also included acquisition of new LiDAR and imagery (completed in 2013), peer-reviewed revision of the WESPAK-SE wetland methodology for adaptation to Southeast Alaska conditions (completed in 2013), and development of new stream maps (under way and scheduled for Lands Committee review at the October meeting).

Original Juneau Wetlands Management Plan. The CBJ has a long history of local involvement in wetland management. In the 1980s the CBJ conducted wetlands studies in the developing area of the Borough, and commissioned wetland evaluation based on the Adamus Wetlands Evaluation Technique (WET method). This resulted in adoption of the 1992 Juneau Wetlands Management Plan, which classified wetlands into five categories (A, B, C, D, and EP, Enhancement Potential) with supporting regulations and extensive appendices and documentation. The Plan identified approximately 160 wetland units and provided maps, descriptions, and functional analysis corresponding to each unit. The assessment method applied only to freshwater wetlands, therefore large areas of estuarine wetlands were not evaluated. In the original JWMP, wetlands comprised 54 percent of the study area.

The JWMP has been updated several times since 1992. (The most recent is dated February 2008.) However, these revisions changed the text and formatting only, to address the requirements of the former Alaska Coastal Management Program. The wetland units, functional assessments, and policies from the 1992 Plan remain unchanged. The JWMP maps and analysis are now nearly 23 years old and include a limited area of the Borough that addresses only freshwater wetlands. Though the Plan was nationally recognized when it was first completed, it is now outdated and in some cases inaccurate. The JWMP is largely based on analysis of aerial imagery from the late 80s; the Plan involved only limited “ground-truthing” on-site, and therefore did not require individual private property owner permission for assessments.

For these reasons, and following Planning Commission and Assembly direction, CDD sought and successfully obtained grant funds to support development of a new Plan. At the same time, the new WESPAK-SE assessment method was under scientific revision for Southeast Alaska conditions, and now has strong support from State and Federal resource agency professionals. The WESPAK-SE method was developed by Dr. Paul Adamus. An earlier version of this method, WESPUS, has been formally adopted as the required wetland assessment method in the State of Oregon. Dr. Adamus has been the lead scientist providing scientific quality control and evaluation in the current update, building on over 25 years of wetland analysis within CBJ and throughout Southeast Alaska.

Changes in the new Plan

The new JWMP Update provides wetland assessments for both freshwater and estuarine wetlands. While the old Plan was based primarily on imagery with minimal "ground-truthing," the new plan has utilized the new 2013 LiDAR and aerial imagery as well as extensive on-site analysis of each wetland area. CDD identified large vacant parcels along the road system to establish priority areas for the assessment work. CDD then contacted individual property owners within these priority areas—by phone, email, and a mailing—to offer free wetland assessment services conducted by the consultant with grant funding. Four property owners, with approximately 12 parcels total, accepted CDD's offer. For the remaining private properties where CDD did not obtain permission for on-site assessments, the consultant conducted off-site assessments utilizing only the 2013 LiDAR and imagery, with extrapolation for adjacent properties when relevant. Off-site assessments are clearly noted in the plan as having a much lower accuracy rate than on-site assessments.

As noted earlier, the Plan includes a total of 345 on-site wetland assessments. (Earlier reports note 360 assessments, but some areas were later combined after further evaluation.) Of these 345 assessments, approximately 18 assessments are on private land and the remaining 327 assessments are on city land. The Plan also includes 48 off-site assessments, which are primarily on private properties where CDD did not obtain permission for on-site assessment.

The new Plan has not categorized wetlands into high-value and low-value wetlands, nor does it offer wetland policies or regulations for consideration. Understanding that these are policy decisions made by the Planning Commission and Assembly, CDD did not include this requirement in the contract. The JWMP Update Volume I Implementation Chapter outlines different options for wetland management for the Assembly and Planning Commission to consider. As noted earlier, staff has not had sufficient time to review the preliminary draft to offer a recommendation at this stage. However it is clear that even if the Assembly and Planning Commission choose not to develop wetland policies and/or regulation, the advance wetland and topography information acquired with the Plan will continue to be very useful for city land management efforts.

As a final note, Bosworth Botanical Consulting has noted several items that are missing in the preliminary draft and will be added in the next draft, which is due in February 2016. These missing items include the following:

Volume I:

1. In section 4.5, tables for on-site non-tidal, showing highest and lowest ranking Assessment Areas (AAs) for various functions.
2. In section 4.6, similar tables for off-site non-tidal (tables are in place, but they haven't been normalized reflecting scores for the West Douglas sites).

Volume 2:

1. Final scores for anadromous fish habitat for approximately a dozen sites, recently determined to be in error (red-highlighted in draft.)
2. On-site photos for 4 AAs still to be collected (the draft has pink-box placeholders).
3. Score tables for off-site non-tidal AAs.

DRAFT

Juneau Wetland Management Plan Update

Final Report • Volume 1

for:

Community Development Department, City and Borough of Juneau, Alaska

Bosworth Botanical Consulting

with:

Adamus Resource Assessment

Ecological Land Services

Catherine Pohl Biological Consulting

Discovery Southeast

September, 2015

CONTENTS

1.0 INTRODUCTION 3
1.1 STUDY PURPOSE 3
1.2 SCOPE 3
1.3 HISTORY 3
1.4 PROJECT AREA 5
1.5 WETLAND FUNCTIONS AND VALUES 5
2.0 METHODS 7
2.1 MAPPING WETLAND BOUNDARIES 7
2.2 MAPPING WETLAND ASSESSMENT AREAS (AAS) 8
2.3 ASSESSING WETLAND FUNCTIONS AND VALUES 9
3.0 INVENTORY OVERVIEW 18
3.1 ACREAGES, WETLAND DISTRIBUTIONS 18
3.2 STUDY HIGHLIGHTS 21
4.0 SCORES AND DISTRIBUTIONS 23
4.1 SCORE DISTRIBUTIONS FOR FUNCTIONS FOR 330 NONTIDAL WETLANDS 23
4.2 SCORE DISTRIBUTIONS FOR VALUES FOR 330 NONTIDAL WETLANDS 26
4.3 TIDAL SITES FUNCTION SCORE HISTOGRAMS 30
4.4 TIDAL SITES VALUE SCORE HISTOGRAMS 31
4.5 NONTIDAL SITES RANKED BY FUNCTION 33
4.6 OFFSITE NONTIDAL SITES RANKED BY FUNCTION 34
4.7 OFFSITE TIDAL SITES RANKED BY FUNCTION 41
5.0 IMPLEMENTATION 43
5.1 BACKGROUND 43
5.2 BEST AVAILABLE SCIENCE 45
5.3 WETLAND CATEGORIES FOR PLAN IMPLEMENTATION 46
5.4 PLAN IMPLEMENTATION OPTIONS 48
5.5 SUMMARY 52
6.0 LITERATURE CITED 53

Cover: View east-southeast over Lawson Creek and Crow Hill to Douglas, September, 2014. We assessed forested and open peatlands in this area.

This contract was funded by the Coastal Impact Assistance Program through the Alaska Dept of Commerce, Community and Economic Development as part of Grant #10-CIAP- 0009, "Habitat Mapping and Analysis Project."

Assessing unit NV06 on Montana Creek, first week of 2014 field season.

1.0 INTRODUCTION

This document, Volume 1, provides project background and the methods and results of two seasons of wetland mapping and assessment. Volume 1 also presents several potential approaches to using the resulting information in an updated wetland management plan. Rapid assessment scores and maps for each site are found in the accompanying Volume 2.

1.1 Study Purpose

The wetland mapping and assessment project reported here was conceived to provide accurate information about the location and characteristics of wetlands on large and mostly undeveloped parcels in the Juneau area. The information is intended to make land use decisions more objective, science-based, and efficient. providing key information for update of the wetland management plan for the City and Borough of Juneau.

1.2 Scope

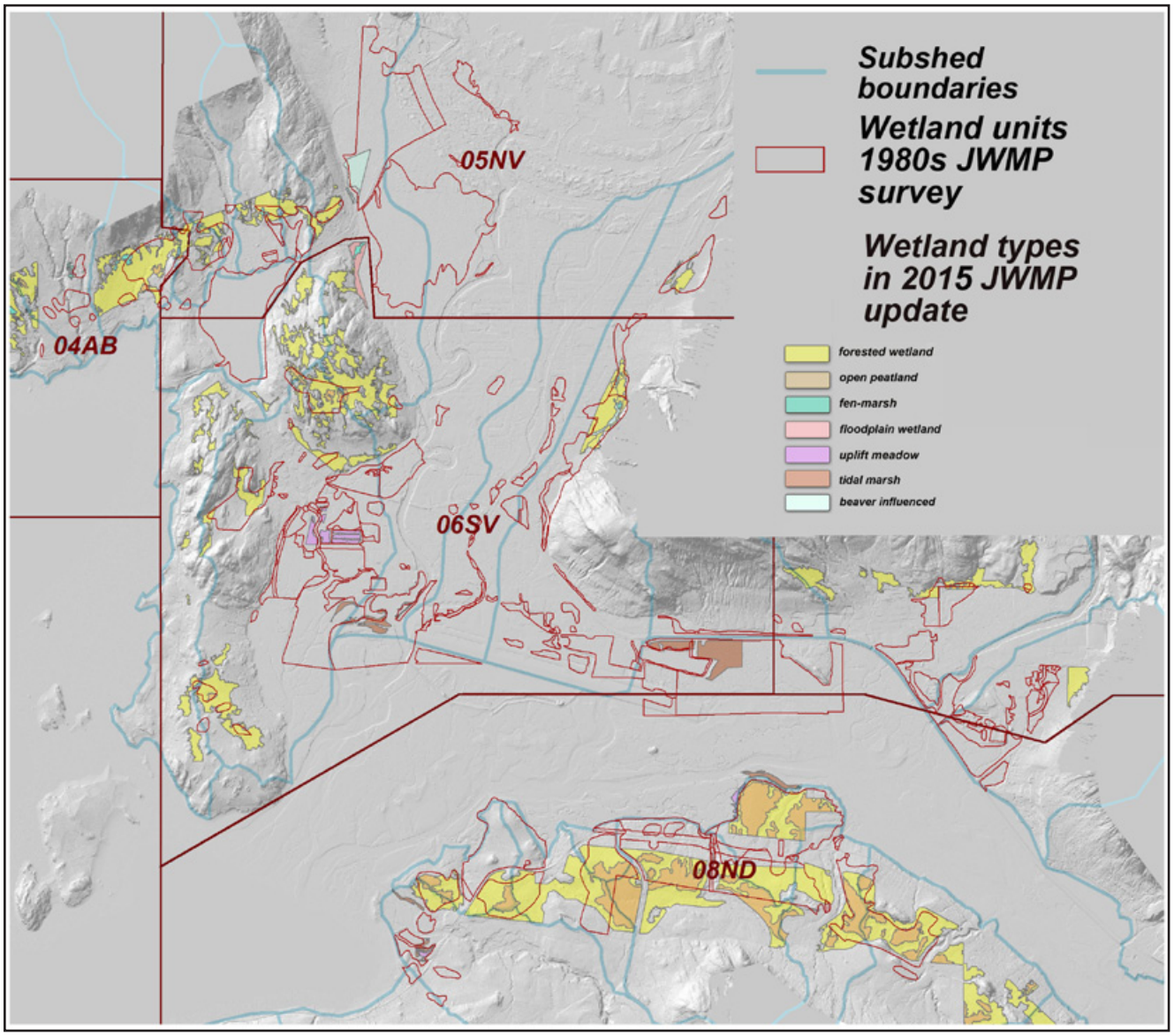
The project consists of the following primary tasks, outlined in RFP 14-132 (Juneau Wetlands Management Plan Update):

- Preliminary mapping of wetlands and Assessment Areas (AAs) to plan and guide field efforts.
- Documentation of wetland boundaries via GPS (Global Positional System).
- Post-field processing of GPS data: differential correction, archiving, export to shapefile.
- Wetland boundary mapping in GIS (Geographic Information System) using GPS results.
- Field and office-based assessment of wetland functions and values.
- Calculation of raw and re-scaled wetland assessment scores.
- Reports: Bi-weekly progress reports, draft final report in 2015, including a section on implementation/planning options, with a final report in 2016.

The mapping and assessment were conducted only in parts of the City-Borough of Juneau designated by the CDD as a priority for this study. The study area, encompassing about 1% of the area of the City-Borough, was conducted within "Priority Areas," shown on maps throughout this document. Most are on undeveloped public land, but several are privately owned. When CDD staff drew the priority area boundaries, the proportion of those areas containing wetlands was not accurately known. The boundaries included areas that CDD staff believe are likely to be a main focus of wetland permit applications during the next 20 years.

1.3 History

In 1985, the CBJ formed a Wetlands Interagency Advisory Committee, which recommended a study (Adamus Resource Assessment 1987a, b, c) to analyze and prioritize public and private wetlands within the CBJ for development and conservation. In 1992, the



The 1980s JWMP surveys covered only the extent shown here, Auk Bay to Lemon Ck and North Douglas.

CDD used the results to formulate the Juneau Wetlands Management Plan (JWMP), one of the first of its kind in the United States. The JWMP was adopted in November 1992 and reissued with minor revisions in 1997.

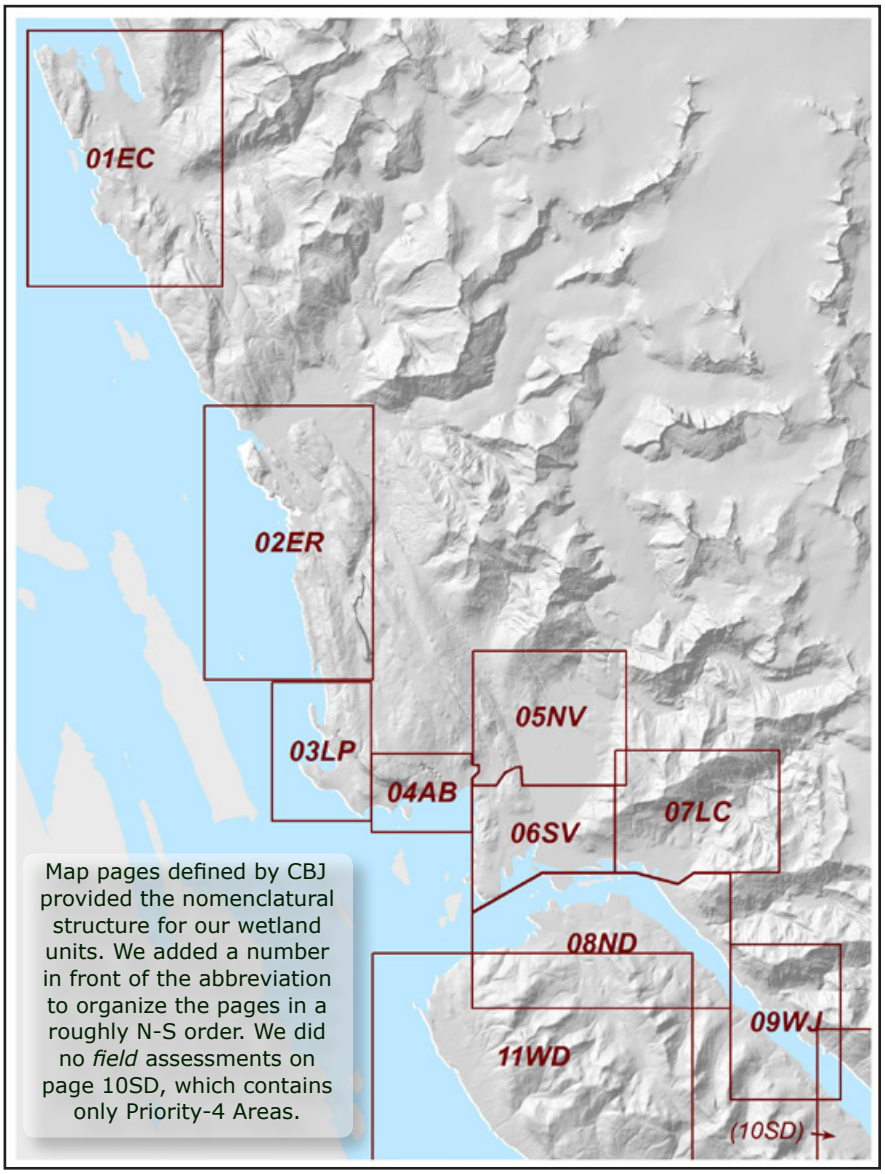
Results of the present study will be used by CBJ to expand the area covered by the JWMP and to update it with more rigorous mapping and assessment methods. The study uses an assessment method developed under a federal grant to the Southeast Alaska Land Trust (Adamus 2012) and later refined (Adamus 2015) through a federal grant to CBJ. The CBJ Wetlands Review Board and the project's Habitat Mapping Working Group (a state and federal agency group advising CDD) have formally approved the WESPAK-SE method for the project.

About 8% of the study area had been assessed in the prior Juneau survey, as shown above. Results from the present study supplant those of the earlier document.

1.4 Project Area

The project area consists of a set of 78 tracts, each assigned one of four levels of priority for mapping and assessment. The majority of the "Priority Areas" (PAs) are lower elevation landscapes with low or moderate slope, but some steep and/or higher elevation sites are also included. They span from Cowee Creek at the northern end of Glacier Highway to southern Douglas Island. Vast and varied lowland wetlands on both sides of the Douglas highway are included, as well as large tracts along Fish Creek, at Eaglecrest, and on west Douglas Island.

In this report, the areas we mapped and assessed are clustered within 10 "map pages." North to south, these are Echo Cove (01EC), Eagle River (02ER), Lena Point (03LP), Auk Bay (04AB), North Valley (05NV), South Valley (06SV), Lemon Creek (07LC), North Douglas (08ND), West Juneau (09WJ), and West Douglas (11WD). (Areas within CBJ's map page 10, South Douglas Island, were assigned lower priority for field efforts so were not included in the field surveys). Instead, they were mapped and assessed using a somewhat different, "off-site" method, described below in Section 2.3.4



1.5 Wetland Functions and Values

Rules legally adopted for implementing the Federal Clean Water Act require regulatory agencies to consider a wetland's *functions* when reaching decisions about whether to grant a permit to a developer and/or whether mitigation needs to be done under Section 404 of the Act. "Functions" are what wetlands can do naturally, such as store water, purify runoff, and provide habitat. Dozens of functions could be described for any given wetland, but some are of unknown or limited importance to society and/or ecological resources, and others are difficult to assess. Therefore, most wetland assessments focus on a limited set of generally-recognized functions that are most relevant in a given region. Those considered to have the greatest potential relevance to Southeast Alaska, and which therefore were assessed in this study and could be used to prioritize Juneau wetlands, are defined in Table 1, below.

Table 1. Definitions of functions, values, and other attributes scored by this study.

Function or Attribute	Definition	Values
Water Storage & Delay	The effectiveness for storing runoff or delaying the downslope movement of surface water for long or short periods.	Flood control, maintain ecological systems
Stream Flow Support	The effectiveness for contributing water to streams during the driest part of a growing season.	Support fish and other aquatic life
Water Cooling	The effectiveness for maintaining or reducing temperature of downslope waters.	Support coldwater fish and other aquatic life
Water Warming	The effectiveness for increasing the temperature of downslope waters.	Maintain late-season ice-free conditions
Sediment Retention & Stabilization	The effectiveness for intercepting and filtering suspended inorganic sediments thus allowing their deposition, as well as reducing energy of waves and currents, resisting excessive erosion, and stabilizing underlying sediments or soil.	Maintain quality of receiving waters. Protect shoreline structures from erosion.
Phosphorus Retention	The effectiveness for retaining phosphorus for long periods (>1 growing season)	Maintain quality of receiving waters.
Nitrate Removal & Retention	The effectiveness for retaining particulate nitrate and converting soluble nitrate and ammonium to nitrogen gas while generating little or no nitrous oxide (a potent greenhouse gas).	Maintain quality of receiving waters.
Carbon Sequestration	The effectiveness for retaining both incoming particulate and dissolved carbon, and converting carbon dioxide gas to organic matter (particulate or dissolved), and then retaining that organic matter on a net annual basis for long periods while emitting little or no methane (a potent "greenhouse gas").	Reduce risk of global climate warming.
Organic Nutrient Export	The effectiveness for producing and subsequently exporting organic nutrients (mainly carbon & iron), either particulate or dissolved.	Support food chains in receiving waters.
Anadromous Fish Habitat	The capacity to support rearing or spawning habitat of fish species that migrate from marine waters into freshwater streams to spawn, e.g., coho and sockeye salmon.	Support commercial, subsistence, sport, and ecological values. Infuse uplands with marine nutrients.
Resident Fish Habitat	The capacity to support an abundance and diversity of native fish (both resident and visiting species) that are not anadromous, e.g., Dolly Varden, cutthroat trout.	Support commercial, subsistence, sport, and ecological values.
Invertebrate Habitat	The capacity to support or contribute to an abundance or diversity of invertebrate animals which spend all or part of their life cycle underwater or in moist soil. Includes dragonflies, midges, clams, snails, water beetles, shrimp, aquatic worms, and others.	Support salmon and other aquatic life. Maintain regional biodiversity.
Amphibian Habitat	The capacity to support or contribute to an abundance or diversity of native frogs, toads, and salamanders.	Maintain regional biodiversity.
Waterbird Feeding Habitat	The capacity to support or contribute to an abundance or diversity of waterbirds that migrate or winter but do not breed in the region.	Support subsistence, sport, and ecological values. Maintain regional biodiversity.
Waterbird Nesting Habitat	The capacity to support or contribute to an abundance or diversity of waterbirds that nest in the region.	Maintain regional biodiversity.
Songbird, Raptor, & Mammal Habitat	The capacity to support or contribute to an abundance or diversity of native songbird, raptor, and mammal species and functional groups, especially those that are most dependent on wetlands or water.	Maintain regional biodiversity.
Pollinator Habitat	The capacity to support pollinating insects, such as bees, wasps, flies, butterflies, moths, and beetles.	Maintain forest productivity and food chains.
Native Plant Habitat	The capacity to support or contribute to a diversity of native, hydrophytic, vascular plant species, communities, and/or functional groups.	Maintain regional biodiversity and food chains.
Public Use and Recognition	Prior designation of the wetland, by a natural resource or environmental protection agency, as some type of special protected area. Also, the potential and actual use of a wetland for low-intensity outdoor recreation, education, or research.	Commercial and social benefits of recreation. Protection of prior public investments.
Wetland Ecological Condition	The integrity or health of a wetland, as defined operationally by its vegetation composition and richness of native species. More broadly, the similarity of a wetland's structure, composition, and function with that of reference a wetland of the same type and landscape setting, operating within the bounds of natural or historical disturbance regimes.	
Wetland Sensitivity	A wetland's lack of intrinsic resistance and resilience to human and natural stressors (higher score = more sensitive).	
Stress Potential	The degree to which a wetland is, or has recently been altered by or exposed to, risk from factors capable of reducing one or more of its functions and which are primarily human-related.	

Toads were observed here during the first-week calibration session with Paul Adamus. Beaver-dredged channel, tidal unit ND09, Fish Creek Estuary, Douglas Island.

2.0 METHODS

This section summarizes methods used to accomplish this study's three major objectives:

2.1 Mapping Wetland Boundaries

Whenever a developer applies for a permit to alter a wetland, by law a determination must be made regarding the exact location of the boundary between what is wetland and what is non-wetland -- generally areas termed "upland" that are drier, and areas termed "deepwater" that have no emergent vegetation. Formal standardized procedures for making that determination have been adopted by regulatory agencies (US Army Corps of Engineers 1987, 2007).

Areas delineated as wetlands are dominated by vegetation, soil indicators, and hydrologic conditions that differ noticeably and in characteristic ways from those present in adjoining upland areas.

For drawing boundaries of wetlands for the study described in this document, the above criteria and procedures were referenced. Although federal wetland delineation criteria served as a guide for our field mapping of wetland-upland boundaries, we were not required to delineate with the level of formal documentation that regulatory agencies usually require in applications for wetland alteration permits. Doing so over such a large area was not possible within the time and funding constraints of the grant that supported this project. Moreover, formal wetland delineations must be specific to a particular development application and are considered valid for only a limited time. Therefore, the teams did not record the presence or percent cover of each indicator plant species at each wetland, nor prepare detailed documentation of soil and hydrologic conditions in each wetland. Rather, team members with prior training and experience in wetland delineation in Southeast Alaska determined the boundary between wetland and upland, much of it while moving rapidly, often through brush and rough terrain in remote forested landscapes distant from roads. Boundaries were documented using sub-meter precision GPS equipment. Although not required to do so, we also recorded stream locations and their characteristics (such as "perennial," "seasonal," "intermittent," or width) where they crossed the wetland boundaries.

Before we visited an assessment area, we used ArcGIS software to draw predicted boundaries, using digital orthophotography and LiDAR products to detect vegetation height, color, and texture, as well as topography and the presence of water. We found the CBJ's recent high resolution (6 inch pixels) four-band aerial imagery and LiDAR-derived digital elevation model extremely helpful for predictive mapping of wetlands. Color-infrared imagery and LiDAR derivatives such as hillshades, 2- and 10-foot elevation contours, and keyed vegetation height (from the LiDAR-derived "normalized vegetation" layer) helped us discover and efficiently target potential wetlands. Tidal extreme and mean high water lines were also helpful, as were other GIS layers (roads, trails, parcel

boundaries, LiDAR point clouds). We converted the resulting maps to *.jpg* format for viewing on smartphones and tablets. We uploaded geo-referenced priority-area and predicted wetland boundaries to GPS units and Android tablets for real-time navigation.

In the field, we documented wetland-upland boundaries using Trimble GeoXH 6000-series receivers with GLONASS and Floodlight technology and the internal, integrated antenna. GPS wetland boundary data collected in the field were downloaded, archived, and post-processed or 'corrected' daily using the Trimble Pathfinder Office program's multiple base station option. We used online data from three base stations for the post-processing, including two in Juneau and one in Whitehorse. The latter was needed to process data from the high-latitude Russian GLONASS satellites that were particularly helpful where thick canopy or steep hillsides limited GPS reception. While actual precision under thick canopy or near steep slopes was rarely sub-meter, reception was consistently adequate for planning-level mapping.

We then exported the corrected GPS files to ESRI ArcGIS shapefiles in the NAD 2011 State Plane projection. We used that to draw the smoothed wetland map units displayed in our bi-weekly progress reports to the CDD and compiled in volume 2 of this document.

2.2 Mapping Wetland Assessment Areas (AAs)

The CDD requested that entire wetlands—areas surrounded on all sides by drier upland or deep water—be divided into multiple wetland assessment areas (AAs) if they were larger than 1 acre and met criteria that will be described below. This was requested partly for logistical reasons because some Juneau wetlands extend for many miles, which potentially reduces the accuracy and utility of scores that might be assigned to the entire wetland.

Although boundaries between wetlands and non-wetlands were GPS'd in the field, the boundaries between adjacent AAs of different wetland types were not, so they were mapped using GIS. Wetland assessment area boundaries could be determined more efficiently using imagery and LiDAR-based products.

Dividing an entire wetland into separate AAs is potentially a subjective process, but an important one because boundary locations can dramatically influence the resulting scores. The CDD specified that guidelines in the WESPAK-SE manual (Adamus 2012) be used as the basis for that splitting, and that no individual AA smaller than 1 acre be mapped or separated from its contiguous wetland. The study team's proposal, in an effort to honor those guidelines but also to provide additional detail essential to enhance consistency, stated that AAs would be distinguished as follows:

a. Different wetland type using definitions in Form F of WESPAK-SE.

b. Different wetland system, class, or subclass as mapped by the National Wetlands Inventory using the Cowardin classification.

c. Road crossing or other persistently non-vegetated area.

d. Pre-existing data that show clear differences in one or more functions within a possible wetland, e.g., anadromous fish in one intersecting stream but not another.

e. Convex topography or watershed boundary, e.g., half the precipitation hitting the wetland would flow in one direction and the rest would flow in the opposite direction due to a topographic mound within the wetland.

It was never intended that all the above rules be applied in all cases; rather, only that they be used as a guide. If *all* of the above criteria had been applied to the wetlands in the study area, the number of resulting AAs would likely have exceeded 1000, and visiting and assessing that number would have been impossible within the project's time and budget. As a more realistic target, the CDD had suggested that 400 AAs within the study area be visited and assessed. This was only an estimate because the AAs had not been mapped prior to this study. Based only on interpretation of aerial imagery (LiDAR and orthophotos provided by the CDD) , in the early phases of the project it was estimated that the number of AAs in the study area would come closest to matching the target number if they were delimited only by criteria (a) and (e). Those criteria also best reflect the WESPAK-SE manual's statement that *"boundaries of the AA should be based mainly on hydrologic connectivity."*

As relates to criterion (a), the following 7 wetland types were used to delimit separate AAs:

- Tidal Wetland (*td*)
- Forested Peatland (*fw*)
- Open Peatland (*op*)
- Fen/Marsh (*fm*)
- Uplift Meadow (*um*)
- Floodplain Wetland (*fl*)
- Beaver-influenced Wetland (*bi*)

Definitions are found in Table 2 and are illustrated in the WESPAK-SE *Short Guide* (Adamus 2013b) and manual (Adamus 2013), with one exception:

Table 2. Definitions of wetland types used in this survey.

Wetland Type	Definition
Forested Peatland fw	Nearly all the AA is moss-covered and/or with peat or muck soils to a depth of at least 4 inches, sometimes greater if not rocky. More tall (>3 ft) woody cover than herbaceous. Trees often hemlock or cedar. Often with skunk cabbage (at least in seasonal channels), blueberries. Little or no open water. Includes shrub fringes of open peatlands and fens. Not in active floodplain.
Open Peatland op	Nearly all the AA is moss-covered. Peat depth usually >16 inches except where bedrock near surface. Tree cover is <5% and cover of tall (>3 ft) shrubs is <30%. Shore pine, Labrador tea, crowberry often occur. Often with small (<25 sq ft) scattered stair-step pools with acidic, stained water. Some examples are flat bogs, floating bogs, and sloping muskeg.
Fen/ Marsh fm	Often with extensive surface water, at least seasonally. Usually with more emergent than tall (>3 ft) woody plant cover. Often sedges, deer cabbage, marsh marigold, horsetail, burreed, pond lily. If ground is moss-covered, the moss often is mostly obscured by sedges or other herbaceous plants. Soils often muck or peat, seldom coarse unless created by excavation. Often beaver-created, or at base of steep slopes, or in depressions or adjoining larger water bodies.
Floodplain Wetland fl	At least once annually, surface water in a channel that flows through or adjoins the AA causes the width of surface water in the AA (perpendicular to the channel) to more than double. The increased width is due mainly to that channel inflow, not to hillslope seepage or runoff. Soils are silt or coarser (little or no organic soil or peat). Vegetation can be woody or herbaceous: often alder, willow, devil's club.
Uplift Meadow um	Within a few miles of tidewater or a glacier, but nontidal, and mostly within 100 miles of Glacier Bay National Park. Little or no persistent surface water except in channels, which may be strongly downcut. Mostly sweetgale and/or herbaceous vegetation, e.g., silverweed, iris, Lyngbye's sedge. Tree cover usually <30%. Peat depth usually <16 inches. Resulted from uplift following isostatic rebound as a glacier receded within recent centuries.
Beaver Influenced bi	Active or recent beaver activity has altered the water regime and vegetation. These wetlands are typically episodic, with periods of flood-induced tree mortality alternating with periods of de-watering and vegetation recovery.
Tidal Wetland td	Inundated by tide at least once annually and dominated by emergent herbaceous or woody plants. The level of surface water fluctuates every ~6 hours on a daily basis in response to tides. Does not include areas of beachgrass (*Leymus* or *Elymus mollis,* also called ryegrass) unless they are inundated at that frequency. Does not include areas that are entirely eelgrass or seaweeds.

Beaver-influenced Wetland. A need for mapping and assessing that type and using it to define AAs became apparent once field work began. While similar to Fen/Marsh and Floodplain Wetland, it differs in several important ways functionally, and meets the objective of representing a dramatically different hydrologic regime.

It is recognized that considerable variation occurs within these types. For example, Forested Peatland could be split by form (shrub or tree) and/or foliage (deciduous or conifer), and Tidal Wetland could be split into low marsh (inundated daily) vs. high marsh. These distinctions are often important indicators of wetland functions and values, including the contribution of any single AA to the region's biodiversity. However, these and other important indicators of wetland functions and values are, Adamus believes, captured sufficiently by the 126 questions in the WESPAK-SE tool.

Subshed mapping As relates to watersheds (*criterion e*), those can be delimited at many spatial scales. For this study, models of stream networks were created by the Bosworth team and CBJ staff. These were adjusted to an appropriate level of detail and used to delimit the watersheds, which we termed "subsheds." That is, wherever a wetland of a particular type was intersected by a significant watershed divide, the portions of the wetland draining to each stream were delimited as separate AAs despite being contiguous with each other and of the same wetland type. However, where application of this watershed criterion would have resulted in an AA smaller than 1 acre, no splitting was done.

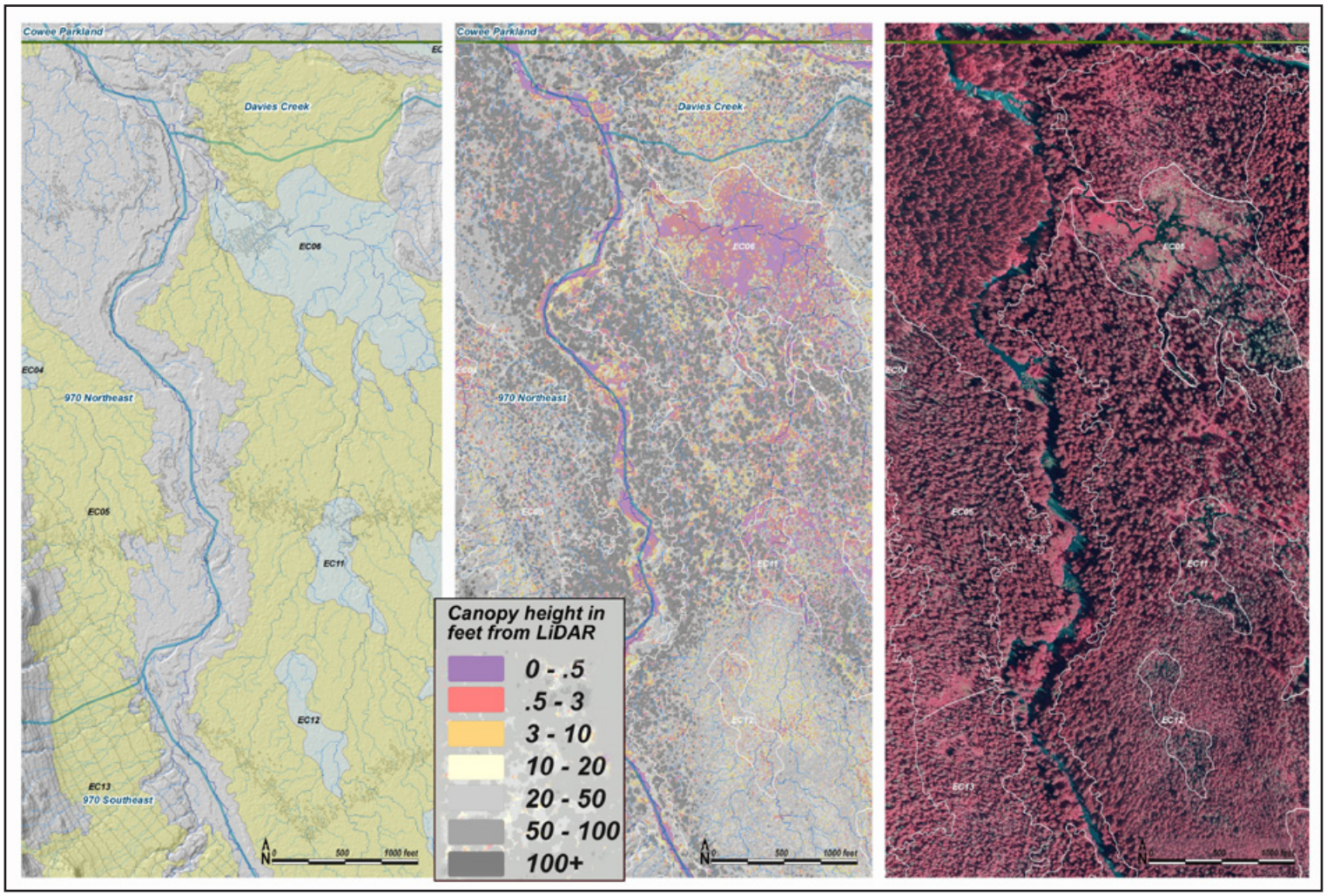
To use for mapping watershed sub-units for delineating AAs on West Douglas, we created a detailed predicted stream map for that area from the CBJ's LiDAR-based digital elevation data. Our stream map was created using ESRI ArcMAP Spatial Analyst software and then adjusting the displayed stream order, or level of detail, to match our observations of the smallest streams.

Subshed mapping was done at-need over the course of the 2014 field season. Near the end of that season, we received from CBJ a similar, but borough-wide, streams model that allowed fine-tuning of subshed boundaries. At that time, some of our wetland units were merged (subsumed) and others split along basin divides. For more information on our process and criteria, see our report entitled *subshedmapping.pdf*. (Bosworth, Carstensen & Pohl, 2014b)

2.3 Assessing Wetland Functions and Values

WESPAK-SE (Wetland Ecosystem Services Protocol for Alaska - Southeast) is a standardized tool for assessing a wetland's functions and values, and a few other attributes. It consists of data forms and a spreadsheet with cell formulas that compute a score for each function, value, or other attribute on a scale of 0 (lowest) to 10 (highest). The version used for this project does not combine these into a single overall score for an AA, but provides a foundation for doing so separately if desired.

Although many standardized tools are available for assessing wetland functions, the CDD selected WESPAK-SE mainly because it is the only rapid tool customized specifically for Southeast Alaska wetlands and it had previously been tested and reviewed in Juneau as well as elsewhere throughout the region. Additionally, dozens of consultants and agency personnel have been trained in its use.



Example of a map-collage for Cowee Creek valley. These composites were prepared on a daily basis for field use by our wetland assessors and boundary mappers, uploaded to tablets and smartphones. • **Left:** Hillshade with modeled streams and 10-foot contours—both generated from LiDAR-based DEM (digital elevation model). • **Center:** Normalized Vegetation, or height of trees, shrubs and herbaceous vegetation above "bare earth." This is one of many LiDAR derivatives, colored here by height class, in this case corresponding to thresholds on WESPAK field and office form questions. • **Right:** Color infrared output from the 6-inch pixel orthophotography. Wetland unit outlines shown here are actually the final, surveyed boundaries. Prior to those visits, we used the pre-field predicted outlines, shown in our May 6, 2014 report, titled *2014 Field Plan* (Bosworth, Carstensen & Pohl, 2014a). Preloading this predicted unit outlines into our Trimbles and other GPS devices ensured that a surveyor would get into all of the places we anticipated wetlands might occur.

It is important to understand that WESPAK-SE does not measure wetland functions and values directly. Rather, it uses rapidly observable "indicators" to build a case for the relative level of a given function that may exist in a specific wetland AA ("relative" meaning relative to other wetlands in the study area). Indicators are used because direct measurement of most wetland functions would be extremely expensive and require years of data.

WESPAK-SE calculates the wetland Value scores independently of scores for wetland Functions. For example, a wetland AA may have low function but if that function is scarce among local wetlands, WESPAK-SE will likely assign a moderate or high as the Value score. Or a wetland may have a high level of function but because of the wetland's location in the landscape the function may have limited value to people and ecosystems, so WESPAK-SE may assign it low Value score in that context. Other features of WESPAK-SE, including its strengths and limitations, detailed accounts of its models, and descriptions of how it computes scores, are presented in the WESPAK-SE manual (Adamus 2012).

WESPAK-SE has a field component and an office component. Completing both is essential in order for the tool to generate scores for Function and Value. The team's implementation of these components is described below.

Pohl, Allison and Bosworth *en route* to wetlands high on 'Hill 970' between Bridget Cove and Cowee Creek.

2.3.1 Field Component

The field team was comprised of Koren Bosworth, Andrew Allison, Rachel Allison, Catherine Pohl, and Richard Carstensen. All had previously attended WESPAK-SE training or were coached initially by team members who had. In addition, during the first week in the field, Dr. Paul Adamus (the author of WESPAK-SE) accompanied the team and reviewed the procedure for answering some of the more difficult questions on the data forms. He prepared an "interpretations" sheet for all team members which clarified and further standardized the use of some terms. This also was shared with the CDD. At intervals during the field season, he answered questions and reviewed data to help ensure consistency among team members' use of WESPAK-SE.

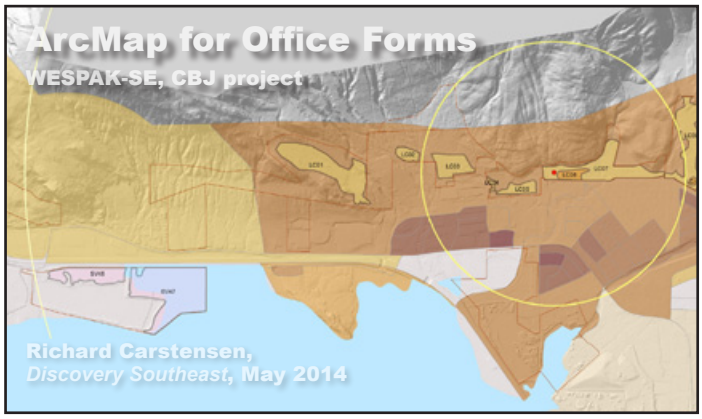
The orthophotos and derivatives of the LiDAR products provided by CDD helped with navigating to the AAs in the field, locating features within each AA to assess, finding inflow and outflow channels, and estimating gradients. Field data were collected by up to four or five team members, often in two teams. The field portion of the WESPAK-SE assessment typically required less than a couple of hours to complete during a single visit, while recording wetland-upland boundaries with GPS required from one to several days depending on size, remoteness, and character of the wetland area. Typically, one team member did a set of assessments and took photos of the AA while the other found and documented the wetland boundary with GPS. In the very large priority areas visited later in the first season, we obtained third Trimble XH unit so that three people could simultaneously document the extensive boundaries. Team membership and roles varied throughout the field season, which ran from May 8 to mid-October during 2014. A few remaining assessments were completed in June, 2015.

The accuracy of responses to some questions contained in the WESPAK-SE tool likely varied across the seasonal timespan of the survey. For example, some plant and bird species can be detected during only parts of the survey season.

Some AAs contain corridors or "islands" of drier land that would not be defined legally as wetland, and some AAs contain water-filled channels or ponds that lack wetland vegetation in their deeper parts. These are commonly termed "inclusions." We mapped any of these larger than 1 acre. If smaller, they were not mapped but their presence was documented in our notes if estimated to be larger than 1200 square feet. In the case of tidal wetlands, AAs did not include unvegetated subtidal waters except for narrow channels where those intersected the wetland.

The orthophotos and LiDAR provided by CDD were helpful in ensuring accurate estimation of several indicators of wetland functions. These images and data layers were reviewed before completing each AA's WESPAK-SE data forms. In particular, they were a great help for measuring wetland and stream gradient; locating small streams, beaver dams, and topographic indicators of groundwater discharge; and measuring tree heights and percentages of conifer vs. deciduous vegetation and tree vs. shrub cover.

Before leaving a given wetland, team members were unaware how WESPAK-SE would score it. Scores were generated only after the collected data had been entered from hard-copy field sheets and quality-checked. A batch-processing version of the WESPAK-SE spreadsheet calculated the scores simultaneously for all AAs after the field season ended.



Custom GIS prepared to support wetland assessments within the CBJ, available on request.

2.3.2 Office Component

The WESPAK-SE office forms were completed by Richard Carstensen and Koren Bosworth. This component normally requires a WESPAK-SE user to access and obtain many types of data from an internet portal assembled specifically for WESPAK-SE by the University of Alaska Southeast (*http://seakgis.alaska.edu/flex/wetlands/*). However, when large numbers of wetlands need to be assessed, efficiencies can be gained by using desktop GIS software to query the same or similar spatial data layers—as was done for this study. A set of improved and additional GIS layers tailored to the needs of this project was created by Richard Carstensen, along with a guide to its use (Bosworth, Carstensen & Pohl, 2014c).

2.3.3 Normalizing the Scores

Although each of the models WESPAK-SE uses to assign scores has a *theoretical* minimum score of 0 and a maximum of 10, in practice when WESPAK-SE is applied to a large number of wetlands the *actual* range for any given function, value, or other attribute is usually narrower. Depending on the function or value, the resulting range of the raw scores found among all sites may be broad (e.g., 1 to 9) or narrow (e.g., 3 to 8). After all field data had been collected and raw scores calculated, the raw scores were converted mathematically to a common 0 to 10 scale for ease of interpretation and rough comparison. This is termed "normalizing." The normalizing of scores for a given wetland AA was done by comparing its raw scores with the range of scores determined for all of the assessed AAs. To do this, the formula used widely by social science researchers for this purpose was employed:

$$\frac{(\text{raw score from "wetland x"} - \text{minimum score from all wetlands in study area}) \times 10}{\text{maximum score from all wetlands in study area} - \text{minimum score from all wetlands in study area}}$$

This formula was applied using the range of raw scores for *each* wetland function and each wetland value among the 330 non-tidal AAs and then separately for the 15 tidal AAs.

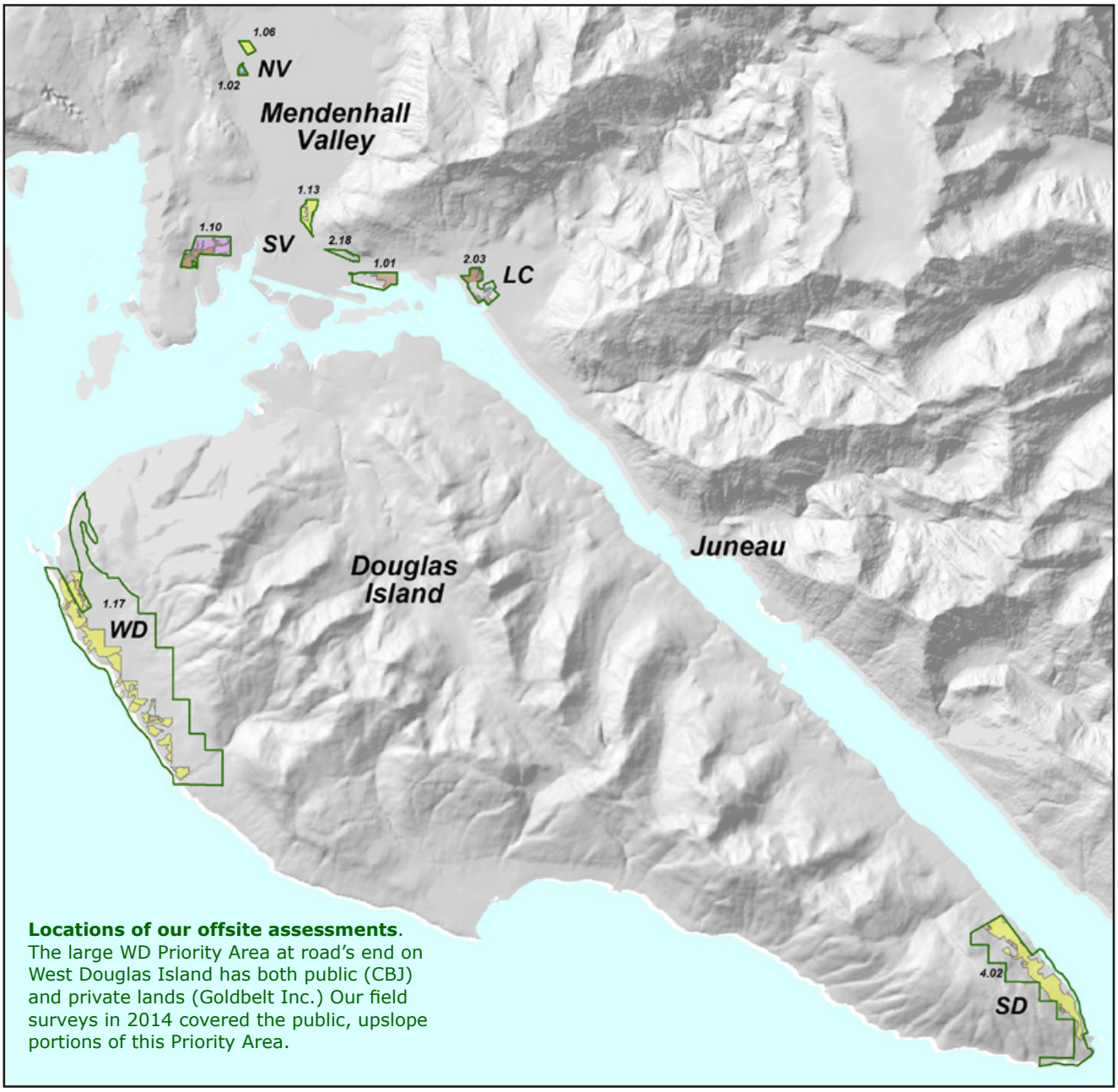
After scores were computed and normalized, a descriptor (Lower, Moderate, Higher) was placed next to each score. For a given function or value, natural breaks in the statistical distribution of scores among all wetlands were used to determine whether to characterize a score as Lower, Moderate, or Higher. Natural breaks were identified using a popular statistical procedure called Jenks Optimization. Using iterative calculations with gradual adjustments in group membership, the method minimizes variance within groups while maximinzing the variance between groups.

2.3.4 Off-site Assessments

A number of the parcels chosen by the CDD for potential mapping and assessment in this project. Several of these landowners chose to allow the CDD to survey on-site, others chose not to allow the study team on their property. The CDD asked the study team map and assess 12 of these private parcels "off-site." One other CBJ parcel on south Douglas Island (SD) that was difficult to access was also done off-site.

As with mapping of onsite AA's, the CBJ's 2013 high-resolution aerial imagery and LiDAR-derived digital elevation model and associated products were very useful in determining the wetland boundaries for the off-site areas, especially with open peatlands, fen/marshes, uplift meadows and tidal wetlands. Although mapping forested wetlands was more challenging, it was helpful to have just finished 6 months of on-the-ground surveying in very similar wetland areas. Further, many of the wetlands previously mapped on-site adjoined the off-site areas, and those wetlands came near or overlapped the parcel boundaries.

Wetlands were further divided, if necessary, into assessment areas (AA's) using the same two criteria as the on-site wetlands—wetland type and subshed. The office form component of the assessment was no different or difficult than for the on-site but there were aspects of the field form component that were more difficult off-site. However, by refering to the combination of



Locations of our offsite assessments. The large WD Priority Area at road's end on West Douglas Island has both public (CBJ) and private lands (Goldbelt Inc.) Our field surveys in 2014 covered the public, upslope portions of this Priority Area.

"normalized vegetation," high-resolution stream maps, hillshade, fine contours and color infrared orthophotography, most of the field form questions could be answered, albeit with less confidence then when we were able to visit the wetland.

The raw scores of wetlands assessed only from off site were normalized not by comparison with all assessed Juneau wetlands, but rather by comparison with just the other wetlands assessed off site.

Table 3. Off-site units and acreages by wetland type. We assessed 48 AAs totaling 887 acres. As with on-site surveys (Table 4, following), forested peatland comprised approximately 3/4 of wetlands by acreage.

type	AAs	%AAs	acres	%acres
forested peatland	23	48%	657	74%
open peatland	10	21%	28	3%
uplift meadow	5	10%	74	8%
fen/marsh	1	2%	5	1%
tidal	7	15%	112	13%
floodplain	0	0%	0	0%
beaver influenced	2	4%	11	1%
total	**48**		**887**	

Our numbering convention for off-site AAs uses the same map page abbreviation as on-site AA's but "*of*" is appended—eg. *SD01of*.

2.3.5 Quality Assurance

Several procedures were undertaken by Dr. Adamus and others to help ensure the quality of the collected WESPAK-SE data. During the first week of the field season he accompanied the entire team in visiting and assessing the first several AAs. In each case, after individual team members had filled out data forms on their own, he explained how he had answered each question. Where differences were apparent, he corrected team members. During the course of the field season he repeated that process during two subsequent visits to Juneau, but did the quality checks on a one-on-one basis with each team member. In addition, while absent from Juneau he responded by phone or email to occasional requests from team members for clarification of specific questions.

Repeatability of Results

The repeatability of WESPAK-SE scores among independent users visiting the same wetlands had been tested previously (in 2013) with generally good results (mean error of + or - 0.86 on a scale of 0 to 10). We conducted repeatability testing again at the start of this field season, after everyone had spent a few days assessing AAs together and discussing answers to the questions. The results demonstrated a higher overall level of consistency among members of our teams than was measured among 6 other trained users who were tested in 2013.

Two team members, Richard Carstensen and Koren Bosworth, completed all of the office-based portions of the wetland assessments. They used ESRI ArcMap desktop GIS software along with locally tailored and enhanced data layers prepared by Carstensen for the project area. To check the accuracy of the "office form" portion of the wetland assessment protocol, Dr. Adamus independently completed WESPAK-SE office assessments for 4 AAs using similar data layers via the University Alaska Southeast online WESPAK-SE wetlands portal and GoogleEarth. He found no instances of disagreement with the answers determined by Carstensen.

Data Entry

As WESPAK-SE field assessments were completed, two office staff at ELS double-entered the data into the standard spreadsheet. That is, they entered data from the same hard-copy field form independently. Data entry proved highly accurate so the double entry was discontinued mid-season. An Excel script written by Adamus automatically flagged entries that were discordant between the two data entry people. The hard-copy data form was then referred to in order to resolve the discord. To identify errors of omission, Adamus counted the responses to each WESPAK-SE, and if the number was less than 345, the person who did the assessment filled in the missing data by referring to field notes, orthophotos, and ground-level photos.

Data Consistency

Function	CI function 2014	CI function 2013	CI value 2014	CI value 2013
Amphibian Habitat (AM)	0.16	0.17	0.28	0.27
Carbon Sequestration (CS)	0.45	0.26		
Anadromous Fish Habitat (FA)	0.15	0.18	0.24	0.34
Resident & Other Fish Habitat (FR)	0.12	0.35	0.24	0.43
Aquatic Invertebrate Habitat (INV)	0.90	0.59	0.13	0.00
Nitrate Removal & Retention (NR)	1.00	1.02	0.80	0.44
Organic Nutrient Export (OE)	0.94	1.08		
Native Plant Habitat (PH)	0.41	0.21	0.14	0.54
Pollinator Habitat (POL)	0.81	0.53	0.00	0.54
Phosphorus Retention (PR)	0.94	1.07	1.16	0.59
Songbird, Raptor, & Mammal Habitat (SBM)	0.77	0.57	0.02	1.16
Stream Flow Support (SFS)	1.58	1.35	0.37	0.99
Sediment Retention (SR)	0.74	1.38	0.81	0.21
Waterbird Feeding Habitat (WBF)	0.59	0.75	0.88	0.74
Waterbird Nesting Habitat (WBN)	0.95	0.57	1.54	0.63
Streamwater Cooling (WC)	1.24	0.80	0.98	0.84
Surface Water Storage (WS)	1.49	1.56	0.08	0.00
Streamwater Warming (WW)	1.56	3.03	0.95	0.68
Wetland Ecological Condition			0.08	0.73
Public Use & Recognition (PU)			0.31	0.64
Wetland Sensitivity			0.63	0.36
Stress Potential			0.24	0.34
AVERAGE:	**0.82**	0.86	**0.49**	0.52

Repeatability of WESPAK-SE function and value scores among users in 2013 and 2014.

Lower CI (statistical confidence interval) numbers indicate greater consistency among the users. Results are based on assessments of 6 wetlands by 3-5 team members early in the 2014 field season, and assessments of 5 wetlands by 6 trained users in 2013. Comparisons are approximate because wetlands where testing was done were different in 2014 from those used in 2013.

Several questions include instructions to skip to a following series of questions. In some cases the intervening questions were answered when they were not needed. The additional data has no consequences in terms of resulting scores because the WESPAK-SE models (spreadsheet formulas) were written to overlook such question-specific superfluous data. Nonetheless, for the sake of consistency, these additional answers have been deleted from the final data set.

Another way of detecting possible misinterpretations or data entry errors is to identify and scrutinize "outliers". For example, if a particular question has 5 possible choices and the field teams selected the fifth choice in only 2 of 330 wetlands, it could mean that either an exceptional condition was truly present in those two wetlands, or that the question was misinterpreted. In that case, the person who completed the data form is asked to recall their visit to the wetland, possibly viewing photos taken during the visit, and consider whether the answer they marked was what they intended to mark.

A third way to detect possible misinterpretations or data entry errors is to identify sites where the combined responses to multiple questions do not make sense. There may be good reasons why they were answered in that manner, but at the very least these seeming incongruities need to be identified and reconsidered carefully. The person who completed the data form is asked to recall their visit to the wetland, possibly viewing photos taken during the visit, and consider whether the answer they marked was what they intended to mark. The following are *potential* incongruities in responses to WESPAK-SE questions:

- Percent of the AA that is Saturated-only (F2) plus Persistently (F3) plus Seasonal-only (F7), or some combination of 2 of these, exceeds 100%.
- Reported occurrence of Throughflow (F28) in a wetland that has no surface water Outlet (F29).
- Reported occurrence of Inflow (F25) but no flowing water in wetland (F24) and/or no Outflow (F29).
- Moss Extent (F43) is great but Soil Texture (F47) is not Organic.
- Woody Cover Extent (F32) is less than Tree Canopy Extent (F33).
- Deciduous Tree Cover (F34) is reported to exceed the Total Tree Cover (F33).
- Percent Woody Cover (F32) plus Percent Herbaceous Cover (F50), as seen from "bird's eye view", exceed 100%.
- In the Woody-Herbaceous Interspersion question (F40), the percent of either Woody or Herbaceous is reported to be 30-70% but the answers to F32 and F50 indicate Woody is greater than 75% or less than 25%, and Herbaceous is greater than 95% or less than 25%.

Clarifications and Interpretations Provided for WESPAK-SE: Field Questions

It became apparent during the first week of data collection, and to a lesser degree as the season progressed, that clarification was needed of the WESPAK-SE author's intent with regard to definitions or other aspects of a handful of the 126 questions in WESPAK-SE version 1.4. Definitions on the WESPAK-SE data forms were found to be unclear when our team encountered situations that had not been encountered or recognized during the author's field testing of WESPAK-SE in 2011-2013. When requested by the field teams, Paul Adamus provided these clarifications and interpretations and communicated them with all team members in order to help maintain consistency among the assessments. The field form interpretations and clarifications are noted here.

Non-tidal Wetlands

Definitions of wetland types that comprise the choices for the first question of the non-tidal field form (F1) were clarified and refined as follows:

- "Forested Peatland" was clarified to include *muck* (either mineral or organic muck) as well as peat soil.
- "Uplift Meadow" was refined as *"usually less than 30% tree canopy cover."*
- "Open Peatland" was clarified as having *less than 5% cover of trees* (in addition to already specifying less than 30% cover of woody plants over 3 feet tall).
- The definition of "Fen/marsh" was clarified similarly.
- "Fen/marsh" was described with additional examples of regionally common emergent plant species (*marsh marigold*) and settings (*often beaver-created, or adjoining larger water bodies*.)
- The Floodplain Wetland type was further defined hydrologically,

> *"At least once annually, surface water in a channel that flows through or adjoins the AA causes the width of surface water in the AA (perpendicular to the channel) to more than double. The increased width is due mainly to that channel inflow, not to hillslope seepage or runoff.*

and with an additional requirement to use field indicators for a final determination.

Several clarifications were also made to other WESPAK non-tidal field form questions to assure consistent and intended interpretation.

- For question F9, we included *loose muck* as part of the water depth. In question F12, the flat shoreline extent is expressed as *percent of shoreline length*.
- In question F21, the color of water is more specifically described as *tea-stained*.
- Inflow, in question F25, was clarified to mean surface water *that at least once annually, flows from a stream or ditch longer than 300 ft (before it reaches the AA) or in a pipe or hardened conduit, directly or as overbank floodwater.*
- The flow complexity choice in question F28 is to be selected for *most* of the flowing water or the choice producing the *greatest friction*, rather than the first applicable description.
- For question 31, we were to disregard part b, concerning flow into a soil pit.
- Question F43, Moss Extent, refers to the percent of the vegetated ground cover comprised of peat-forming moss (excluding moss on trees or rocks).
- Upland inclusions, F46, can be mounds of any type of upland soil. Invasive species (F54) can be woody or herbaceous.
- Shorebird feeding habitat, question F48, is further defined as non-acidic water shallower than 4 inches.
- In question F54, the slope from disturbed lands is to be considered uphill of the unit, or adjoining it if there are none.
- For F55 (Weed Source), the upland edge can be in any direction, not just uphill.
- For question 63, non-consumptive uses, "walking" refers to walking access *for an average person*. Interpretive centers, trails with signs or brochures, or regular guided tours apply only if *within .25 mile* of the AA and if they interpret the natural features of the AA or associated lands.
- *All hunting* is to be included (question F68) with *waterfowl hunting; known berry picking areas* are to be included with *harvesting of native plants*.

Tidal Wetlands

The definition of Tidal Wetland includes tidal freshwater as well as saline areas. "Dominated by emergent herbaceous or woody plants" was interpreted simply as "*dominated by vascular plant cover (excluding submerged aquatics)"* and the criterion "level of surface water fluctuates every ~6 hours" was interpreted to mean *only when surface water is present,* which may be as little as once annually.

"Driftwood" (Tidal Form question 12) refers to largely horizontal logs on the ground near the high water line. "*Large woody debris*" refers to wood such as root masses carried into the unit by currents or fallen from adjacent uplands.

Stressor Form

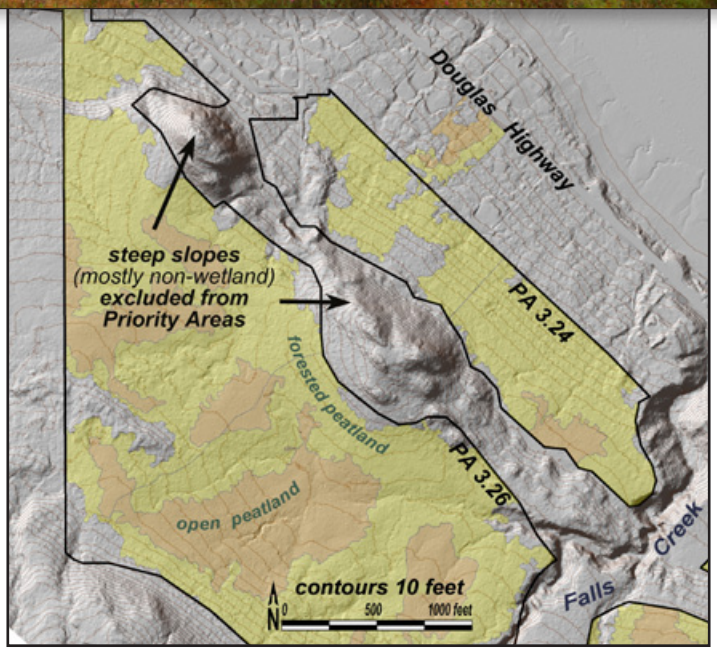
On question 2 of the wetland stressor form, we were to add *"or a partial blockage of flow out of the AA"* to row 6 and were to read question S3, Drier Water Regime—Internal Causes row 6 as "*placement of fill within the AA."* To answer S6 and S7 for tidal wetlands, we were to focus on *tributaries and uplands*, including *tidewater sources* only when there is strong evidence.

Office Questions

A separate document prepared by R. Carstensen describes the GIS procedures and associated interpretations used in answering the questions on the WESPAK-SE office data form.

Kax̱digoowu Héen, *clearing water as you move upstream* (Montana Creek). Floodplain wetlands with skunk cabbage under tall, 2-century-old spruce are common along the more active Juneau streams.

In some places, ORV trails extended far into the back country. These tracks circle a lily pond at 465 feet on the ridge dividing Montana from McGinnis Creek watersheds.



A typical pattern in landscape-position of Priority Areas. While steep slopes are avoided, these better-drained landforms actually support some of the only non-wetland habitats on otherwise low-gradient raised-marine surfaces.

3.0 INVENTORY OVERVIEW

3.1 Acreages, Wetland Distributions

During the 2014 and 2015 field seasons, our team mapped 94 distinct (contiguous) wetlands within 60 Priority Areas (PAs), dividing these into 345 units and covering 5204 acres. Within these, we assessed the functions of 13 tidal and 332 non-tidal wetland assessment areas. The Priority Areas we surveyed were ranked as follows: 13 of 21 Priority I; 23 of 27 Priority II, and 24 of 27 Priority III. Two AAs surveyed on request from private owners were located outside of any PA.

Priority areas *not* covered in the wetland surveys included 15 priority I, II, & III private parcels (8 priority I; 4 priority II; 3 priority III); the private-land portions of 3 priority I areas, including a large area on the west side of Douglas Island; and the 3 priority IV areas.

Wetlands mapped by our team totaled 5584 acres, or 44% of the 12,717 acres of Priority Areas that we surveyed. As shown in Table 4, they were not equitably distributed among Map Pages nor within Priority Areas. The most extensive wetlands occurred on level, poorly drained marine terraces, notably the raised benches of North Douglas (87%), West Juneau (67%) and West Douglas. To give a more realistic percentage for those ancient marine landforms on West Douglas, we added the estimated acres from our offsite assessments on private lands seaward of CBJ property. Because this side of the island was more wave exposed at time of deposition (~9000 to 12,000 yrs ago), sediments are coarser, and wetlands fewer, with much less open peatland.

Underlying these patterns in wetland distribution are the geographic constraints governing Priority Areas the City asked us to investigate. Steep slopes pose challenges

Table 4: Assessment Area units by map page: number of units and acreage. Highest percent wetland was within the North Douglas (ND) map page area. Lowest was at Lemon Creek (LC)

map page	#units	acres	PA acres	% of PAs
EC	48	1115	2902	38%
ER	61	485	1587	31%
LP	6	90	236	38%
AB	16	277	375	74%
NV	31	402	1206	33%
SV	43	409	1161	35%
LC	10	74	263	28%
ND	70	1111	1275	87%
WJ	15	184	276	67%
WD	45	1437*	3436	42%

* Total acres for the West Douglas (WD) units includes our estimate for Goldbelt Lands, assessed "off-site."

to construction, and are also avoided due to liabilities such as post-logging erosion and impacts to streams downslope. This drives Priority Area selection toward low-lying landforms whose drainage characteristics depend on sediment size, which in turn stems from glacio-marine history. Most of the flat but well-drained alluvial, deltaic or coarse-till surfaces in the CBJ were developed by the

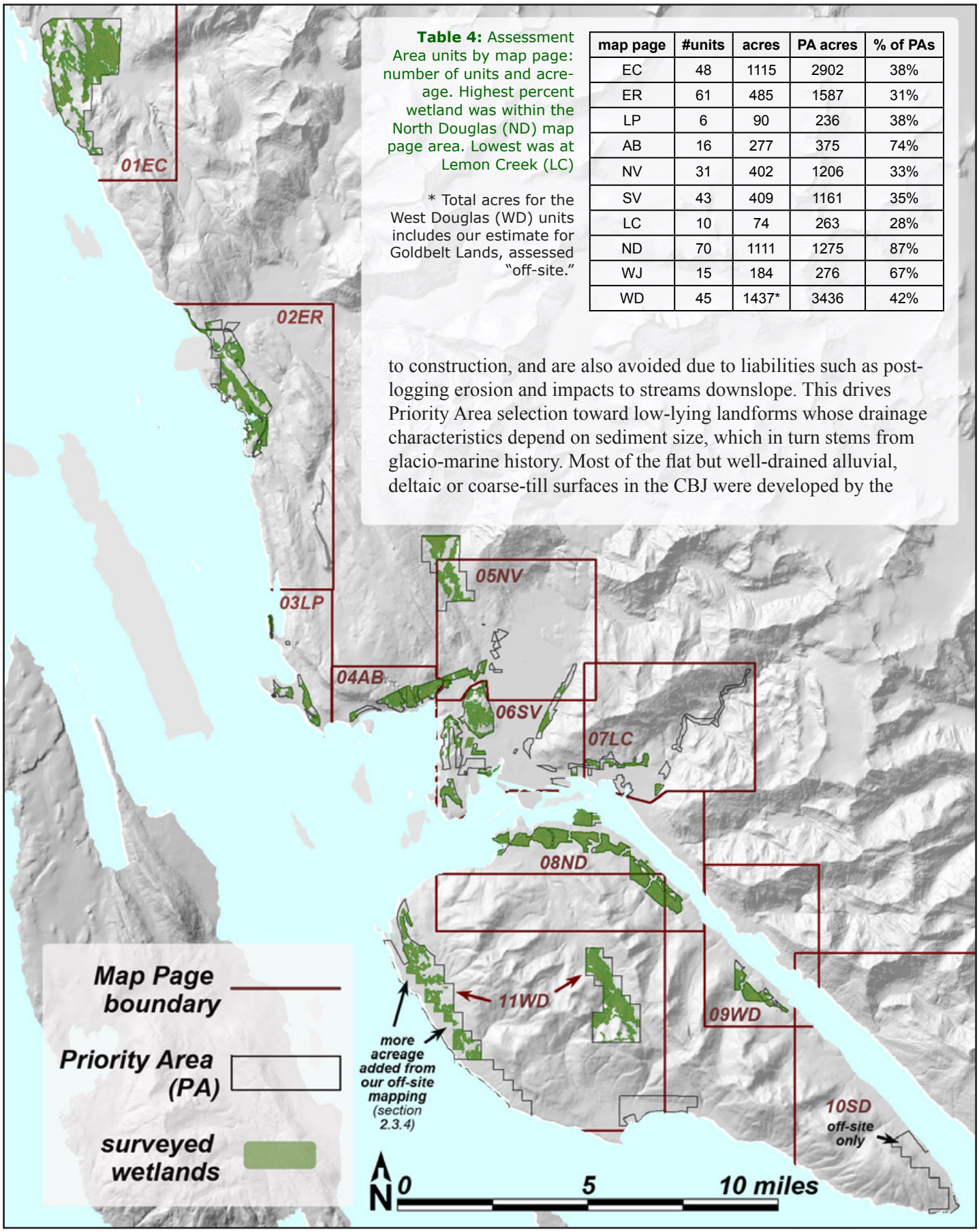


Table 5: Assessment Areas (AAs) by wetland type: # units & acreage. Forested peatland comprised more than 3/4 of our wetlands by area. **fw** = forested peatland. **op** = open peatland. **um** = uplift meadow. **fm** = fen/marsh. **td** = tidal wetland. **fl** = floodplain wetland. **bi** = beaver influenced.

type	#AAs	%total	acres	%acres
fw	160	46%	3961	76%
op	104	30%	773	15%
um	23	7%	182	3%
fm	24	7%	63	1%
td	13	4%	58	1%
fl	8	2%	48	1%
bi	13	4%	118	2%
	345		**5204**	

1970s. Remaining flat or gently rolling terrain is generally blanketed by marine fines, raised above sea level millennia ago. Builders locally refer to these sediments as "blue clay," and while they typically have more silt than clay-sized particles, they generally support open or forested wetlands.

Least wetland cover (28%) was found on Priority Areas within the Lemon Creek (LC) Map Page. Considerable portions of these units occupy fairly well-drained toeslope (colluvial) positions.

Table 5 shows acreages and percentages by wetland type. Forested peatlands (*fw*) comprise the large majority (76% by acreage) of wetlands within our Priority Areas. Many of the forested wetlands had small, well-dispersed hemlocks with large gaps between tree crowns, resulting in brushy understories over an herbaceous layer dominated by skunk cabbage. Wetlands with skunk cabbage were also present, however, in larger closed-canopy hemlock forest, often on moderate slopes, and in large-tree riparian spruce forest.

Second most common (15%) are open peatlands (*op*), typically with very deep, saturated sphagnum or sedge/sphagnum peat. These ranged from recently uplifted tidelands (*eg* Amalga) to ancient peatlands. They varied from nearly flat sphagnum-dominated bogs to sloping spike rush-dominated, pond-studded fens with orchids—often wildlife hotspots.

The remaining 5 wetland types are relatively rare, collectively constituting only 8% of our total by acreage, and 24% by number of mapped units. Such low percentages do not mean these wetland types are ecologically insignificant. Beaver wetlands (*bi*) support probably our richest fish and wildlife traffic. Uplift meadows (*um*) are Juneau's most globally unique habitats, on our most heavily developed landform. Tidal wetland (*td*) are uncommon in our

Unit ND25 in Neilson Creek subshed on Douglas Island, August 11, 2014. Deep-peat sphagnum bog (*op*) with abundant ponds and small, dispersed pines. A territorial greater yellowlegs circled defensively and called while we surveyed here.

Andrew Allison with yellow-cedars at 670 feet on the outer (western) slopes of Hill 970. These are the largest and probably oldest cedars so far discovered in the Juneau area.

surveys only because few of our assigned Priority Areas overlapped tidelands.

If the AA boundaries based upon differing wetland type or subshed (*ie* hydrologic divide) were dissolved, the total number of discrete wetlands assessed drops from 345 to 94.

The distribution of WESPAK-SE scores among all 332 non-tidal AAs is graphed in Section 4 by *function*. Those graphs are followed by similar ones showing the scores for wetland *values* and other attributes.

3.2 Study Highlights

The most scientifically significant finding was perhaps the sheer extent of forested wetlands. Previous inventories based on aerial photography mapped only a small portion of the cryptic and surprisingly extensive forested wetlands in our project area. Also of note were the presence of well-developed wetlands on steep slopes and at high elevation, and the abundance of wet and transitional shrublands in some areas.

Juneau's surveyed wetlands, unlike those of other parts of the United States, are dominated by native vegetation. Sloping sedge peatlands hosted a particularly variable and diverse flora, including orchids and crab-apples, and were typically threaded with stepped ponds and hosted a variety of migratory songbirds. Sign of bear, wolf—and in the Cowee watershed, moose—were found in these areas.. An impressive variety of edible berry plants were abundant and productive in many of the open sphagnum-sedge peatlands and adjacent shrublands.

Forested wetlands were dominated, as expected, by smaller western hemlock, but skunk-cabbage-laced wetlands were also found in large-tree riparian spruce, hillside spruce-hemlock, and post-disturbance red alder forest, and with a diversity of structural and shrub understory conditions. As expected, shorepine was abundant in lower elevation open or thinly forested peatlands, with mountain hemlock becoming more abundant at higher elevation. One cedar wetland—EC18—was found in the study area. The

Floral diversity in EC47: green-flowered and white bog orchids (*Platanthera saccata & dilatata*), fringed grass-of-parnassus (*Parnassia palustris*), self-heal (*Prunella vulgaris*), monkshood (*Aconitum delphinifolium*), and leather-leaved saxifrage (*Leptarrhena pyrolifolia*).

encompassing stand of Alaska yellow-cedar, rare in the Juneau area, was found in the 970 North subshed.

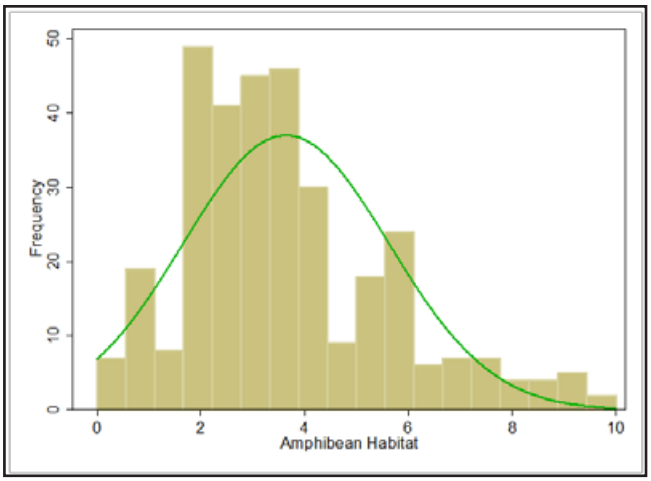
Most of the surveyed wetlands were free of invasive species, but non-native plants were present in and at the edges of some. European mountain ash, a bird-distributed invasive tree species, was found colonizing the edge of an open peatland on Douglas Island. Perennial sow-thistle, a troublesome invasive species that is a focus of control efforts in southeast Alaska, was found in the beach fringe near Hendrickson Creek. Reed canary grass was found in uplift meadows, marsh edges, and the edges of peatlands along roads perhaps most notably along Fish Creek Road. Creeping buttercup and comfrey were also found in wetland areas with a history of disturbance.

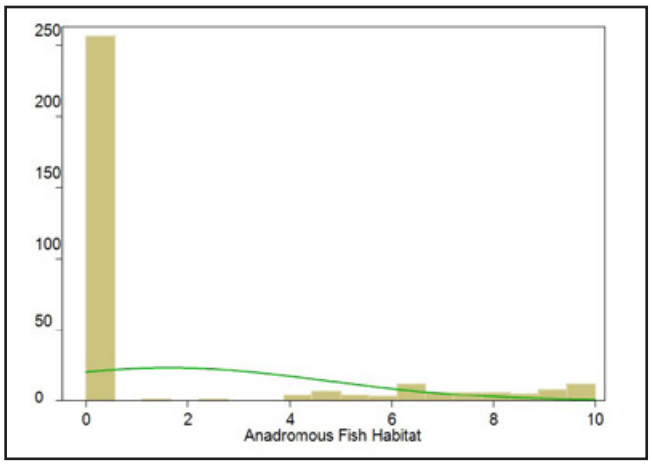
In brushy, forested or more remote wetlands, sign of human use was largely absent. The exception was marten sets attached to trees, which we found in impressively hard-to-reach scrub forests. In more open and easily traversed wetlands, human signs were generally apparent, if rarely prominent. Open peatlands near roads often had informal trails and flagged routes used by hunters, hikers and berry-pickers. Cut conifers were common along roads. Makeshift board-walks had been placed on wetland trails behind residential areas. Other sites had hydrologic research equipment or were accessed by trapper's ORV trails. Short stretches of many informal trails were deeply or broadly eroded, particularly near the edges of openings where peat is often saturated, but most foot trails had little apparent impact. In some places, off-road vehicles had left ruts of torn up or flooded peat.

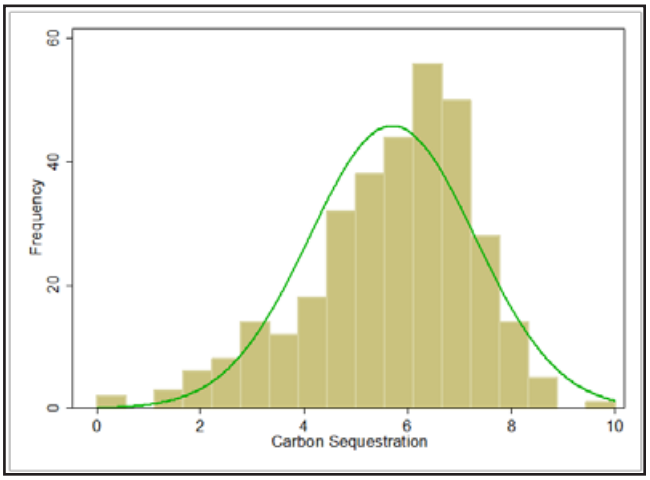
Wildlife sightings of note include an abundance of yearling western toads (with diminished populations region-wide) in the open peatlands of the Cowee watershed. Moose sign was common in the higher elevation Cowee peatlands. Although the extensive open peatlands of North Douglas Island were surveyed late in the breeding season for migratory birds, we observed a pair of the disturbance-sensitive wetland-nesting shorebird species Greater Yellowlegs, apparently still on territory in one of the larger and more remote units.

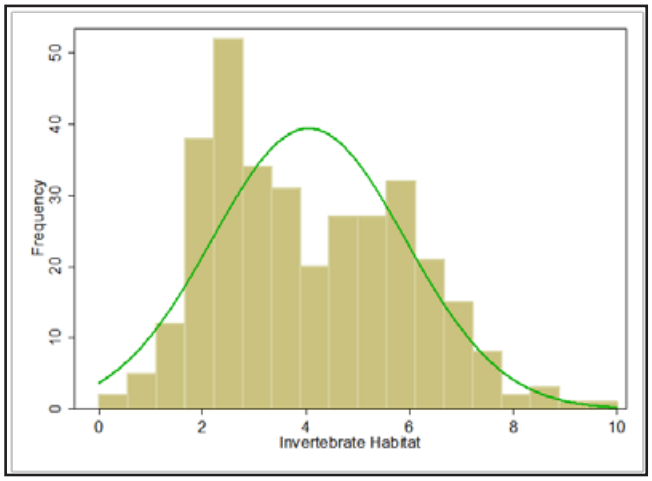
4.0 SCORES AND DISTRIBUTIONS

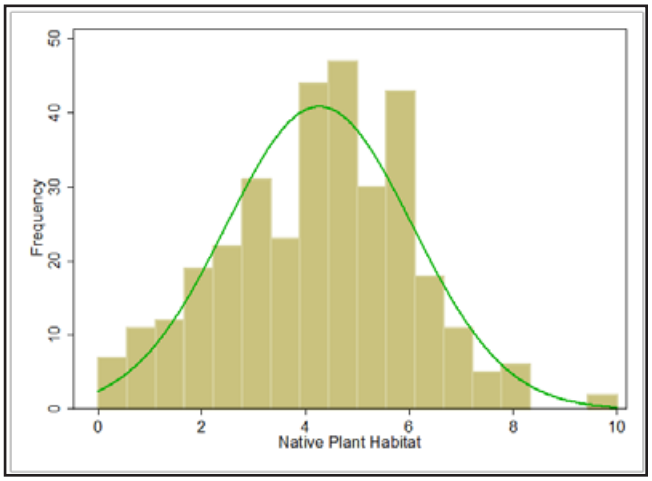
4.1 Score Distributions for FUNCTIONS for 330 Nontidal Wetlands

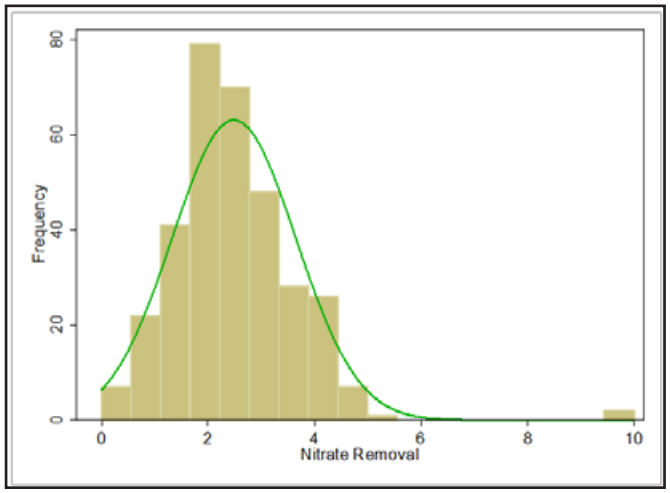


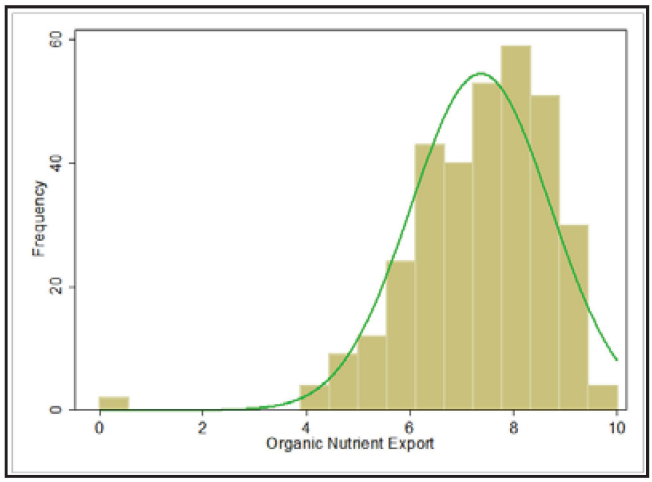


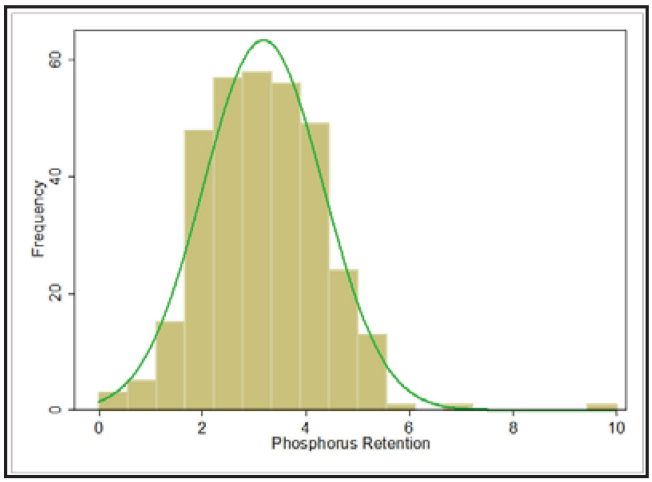


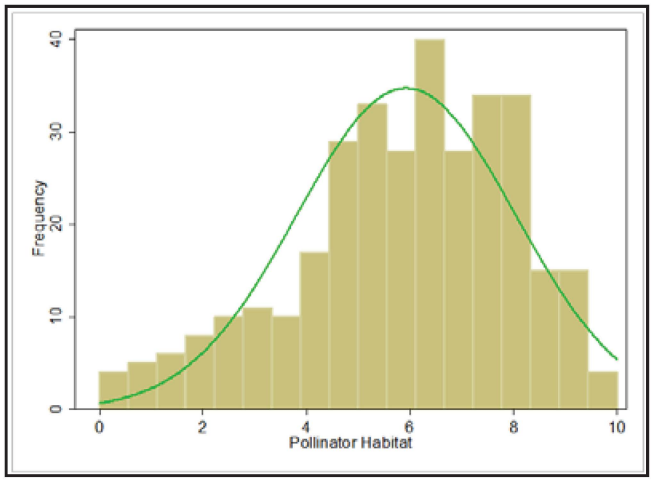


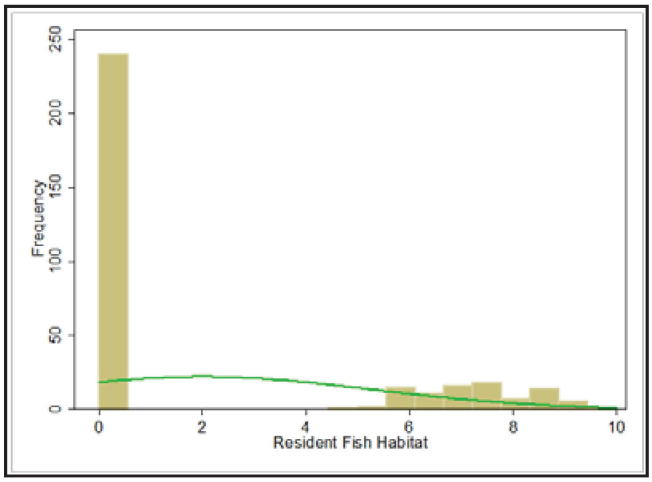


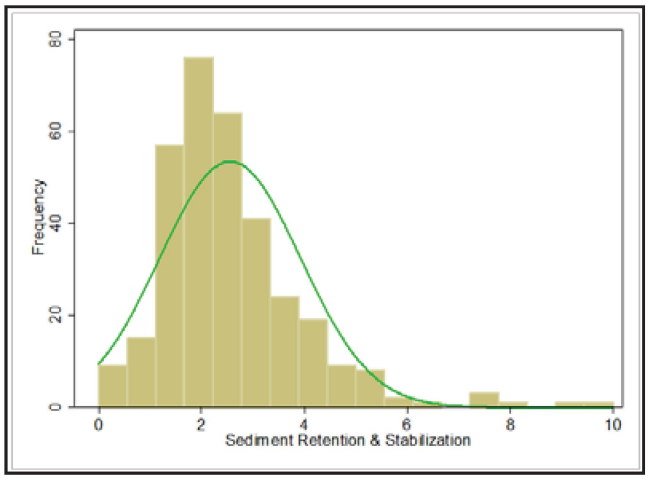


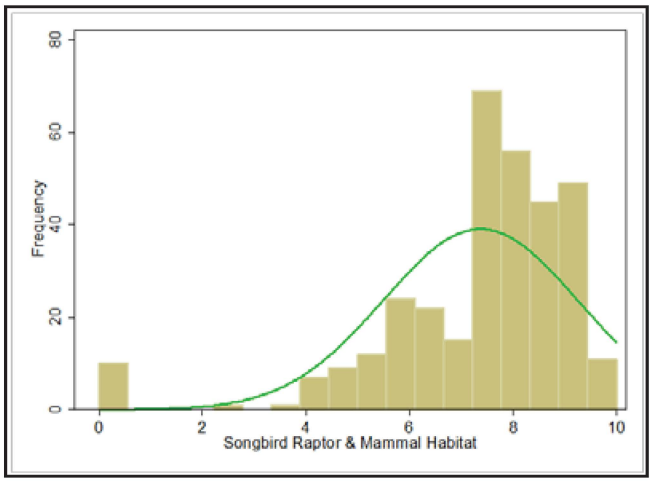

Frequency
0
20
40
60
0
2
4
6
8
10
Organic Nutrient Export

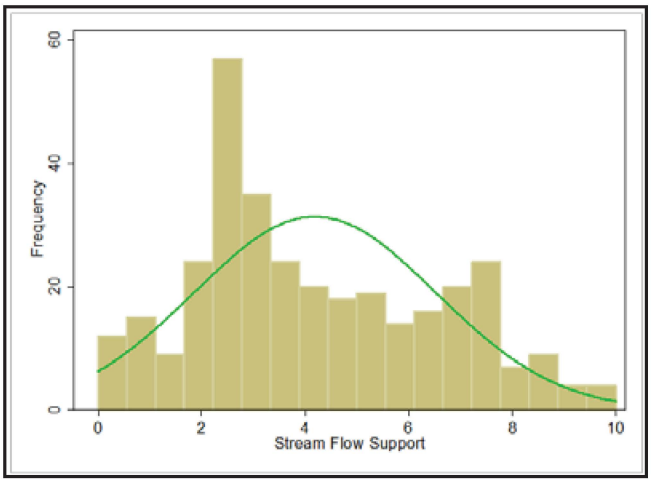

Frequency
0
20
40
60
0
2
4
6
8
10
Phosphorus Retention

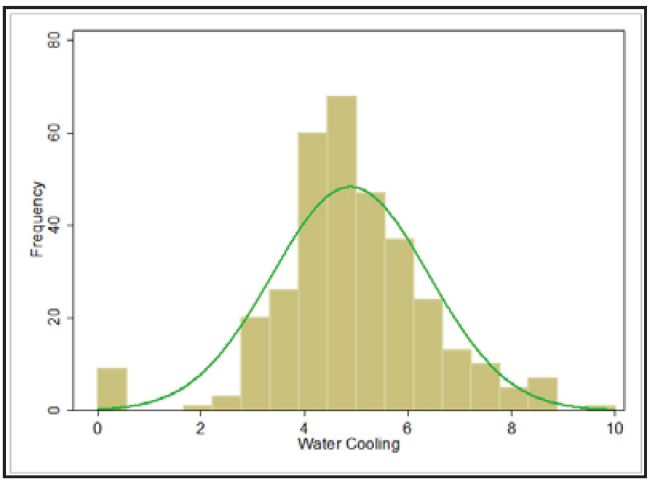

Frequency
0
10
20
30
40
0
2
4
6
8
10
Pollinator Habitat

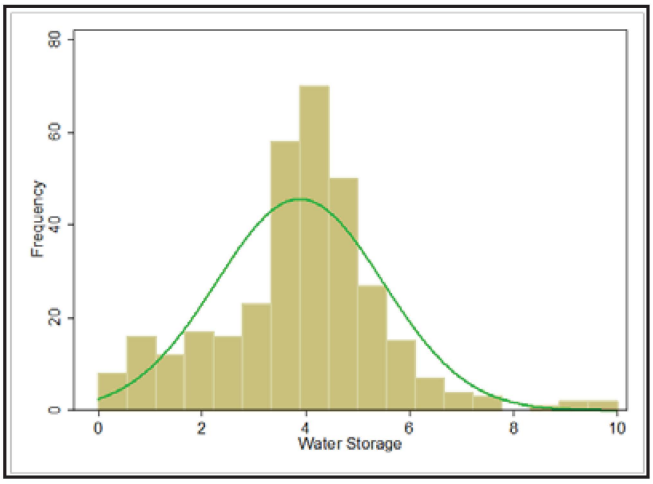

Frequency
0
50
100
150
200
250
0
2
4
6
8
10
Resident Fish Habitat

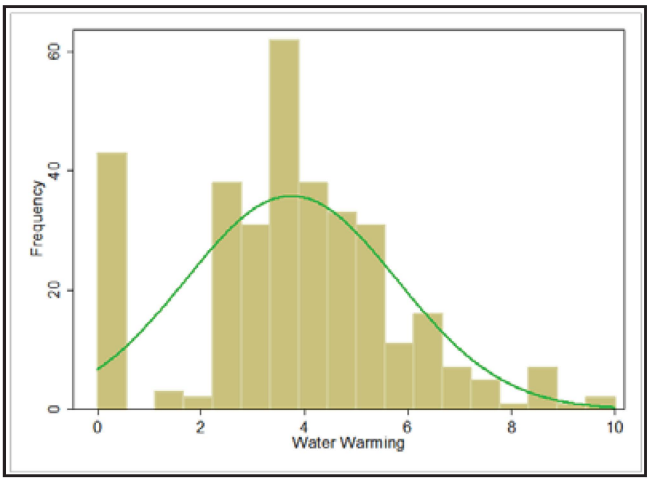

Frequency
0
20
40
60
80
0
2
4
6
8
10
Sediment Retention & Stabilization

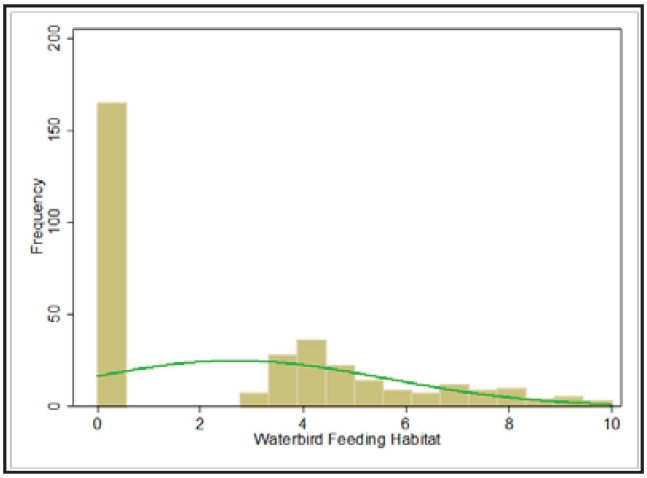

Frequency
0
20
40
60
80
0
2
4
6
8
10
Songbird Raptor & Mammal Habitat

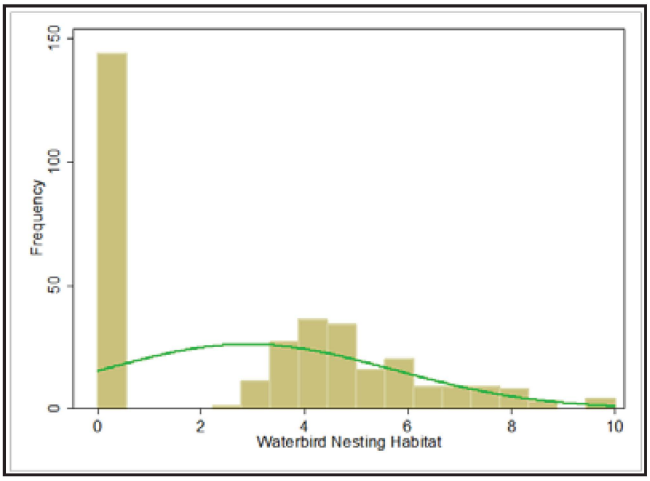

Frequency
0
20
40
60
0
2
4
6
8
10
Stream Flow Support


Frequency
0
20
40
60
80
0
2
4
6
8
10
Water Cooling


Frequency
0
20
40
60
80
0
2
4
6
8
10
Water Storage

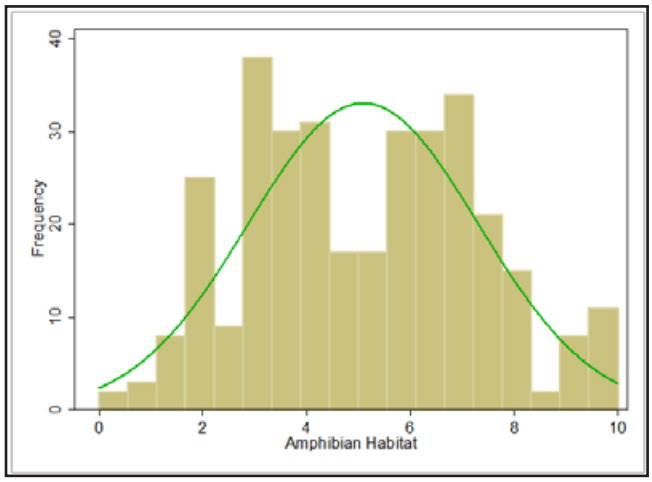

Frequency
0
20
40
60
0
2
4
6
8
10
Water Warming

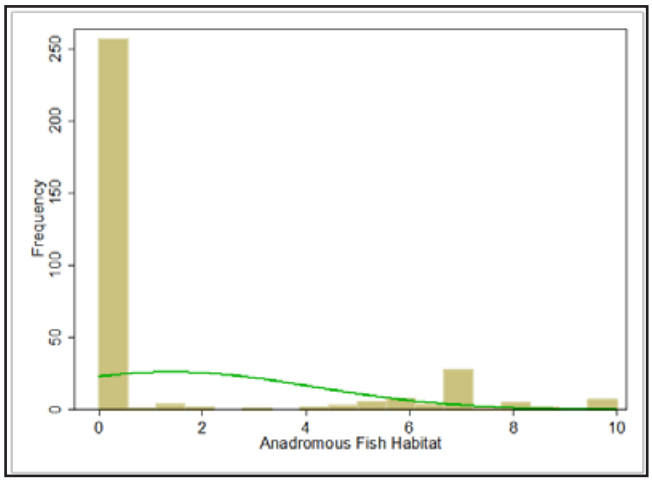

Frequency
0
50
100
150
200
0
2
4
6
8
10
Waterbird Feeding Habitat

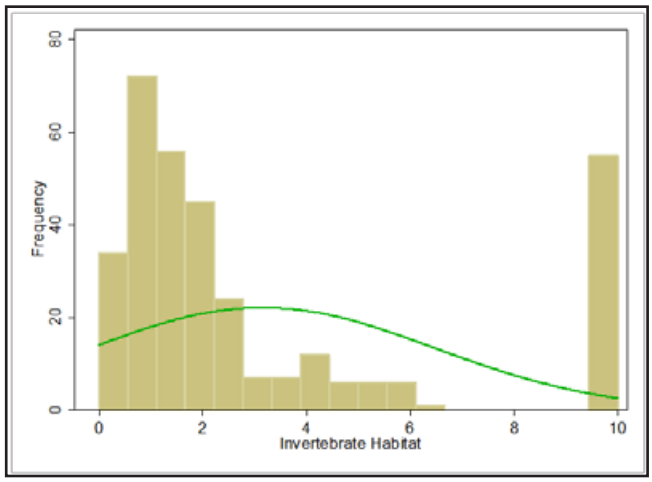

Frequency
0
50
100
150
0
2
4
6
8
10
Waterbird Nesting Habitat

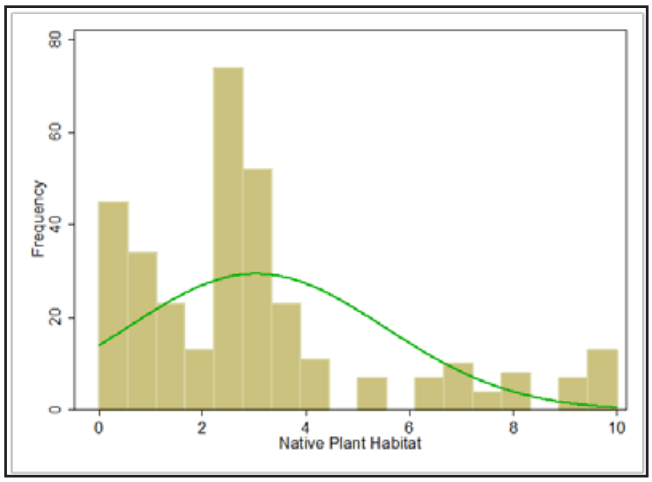
4.2 Score Distributions for VALUES[1] for 330 Nontidal Wetlands

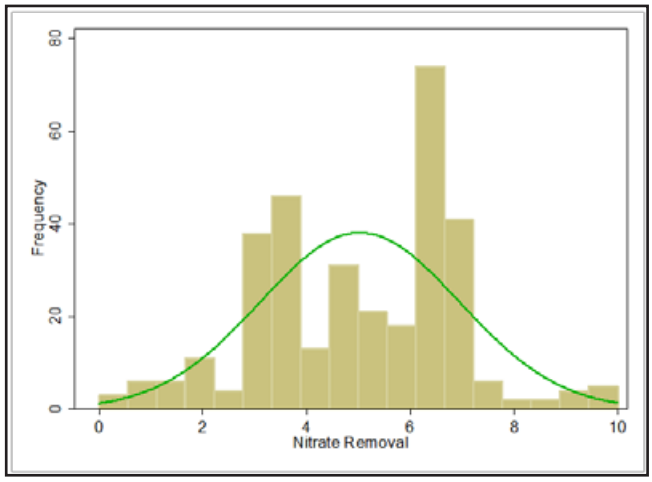
1 and other attributes

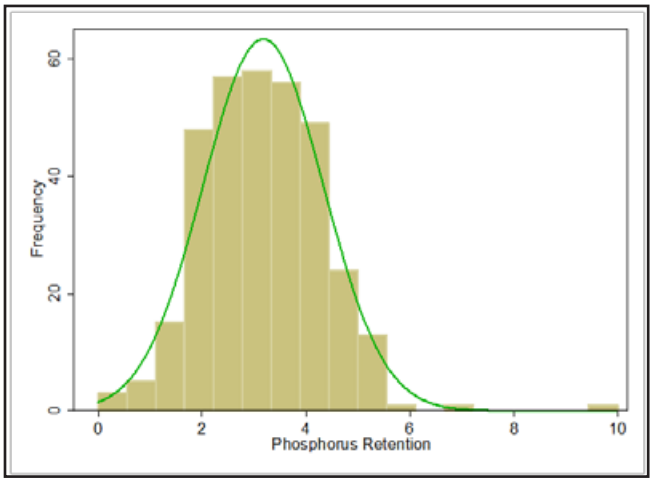


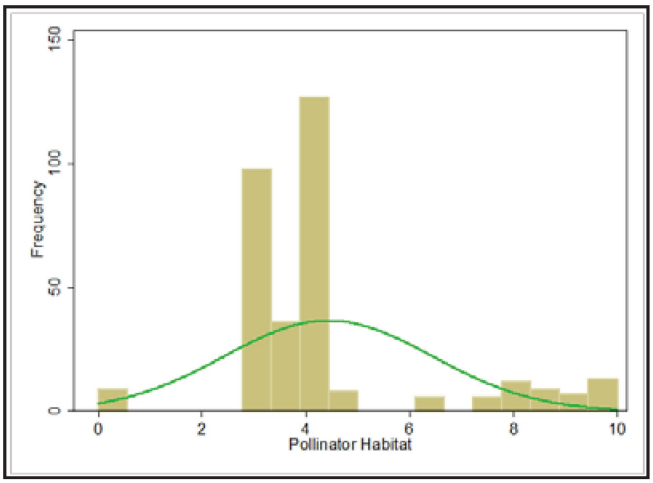


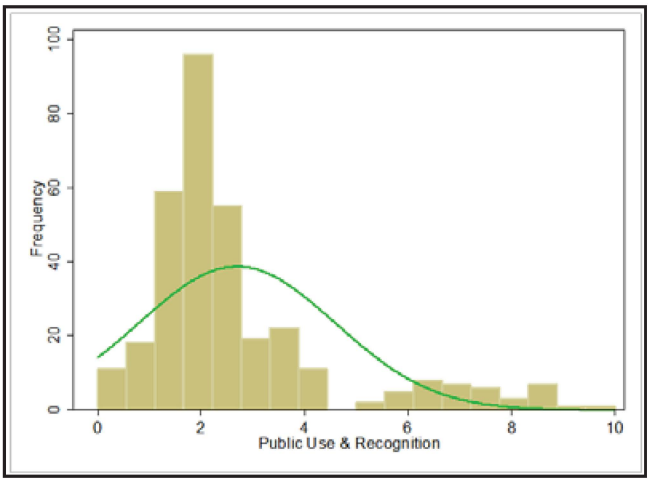


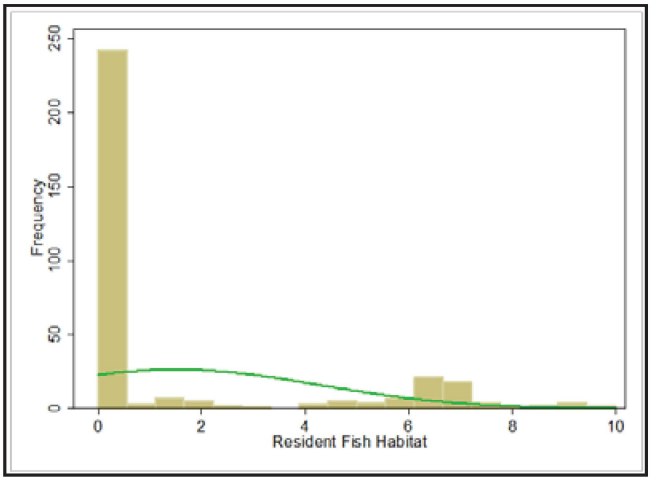


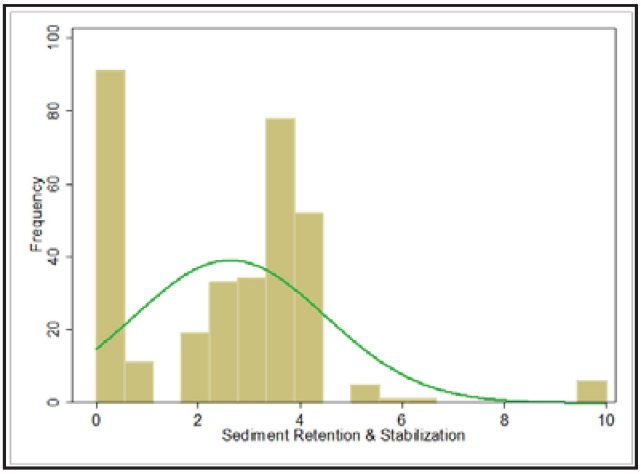


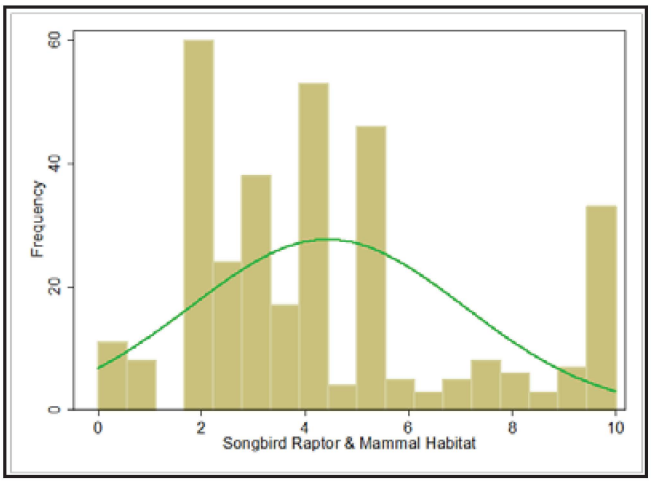


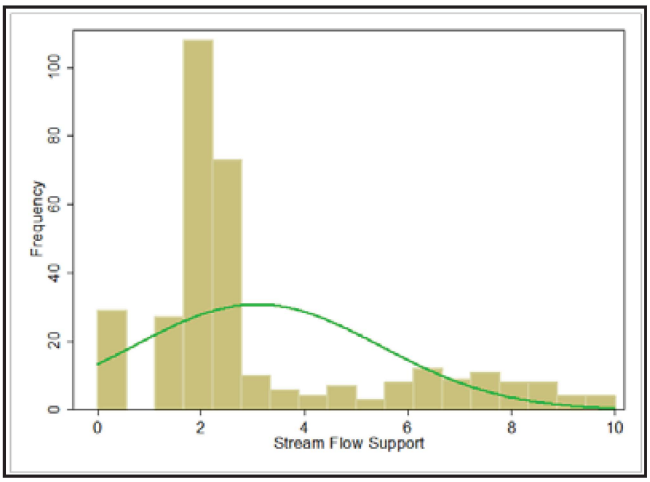

Frequency
0
50
100
150
0
2
4
6
8
10
Pollinator Habitat

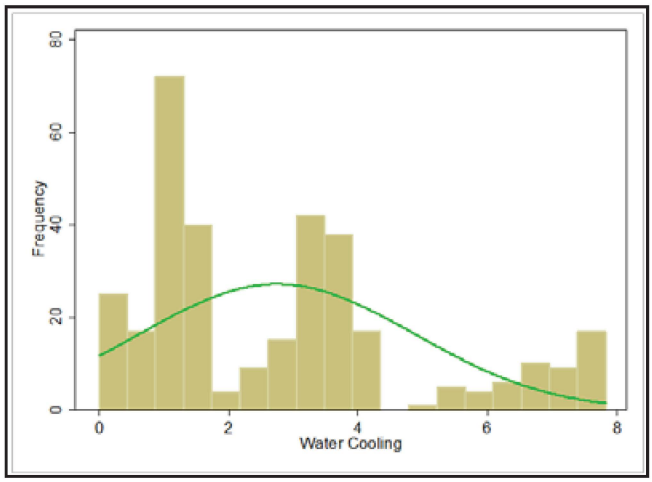

Frequency
0
20
40
60
80
100
0
2
4
6
8
10
Public Use & Recognition

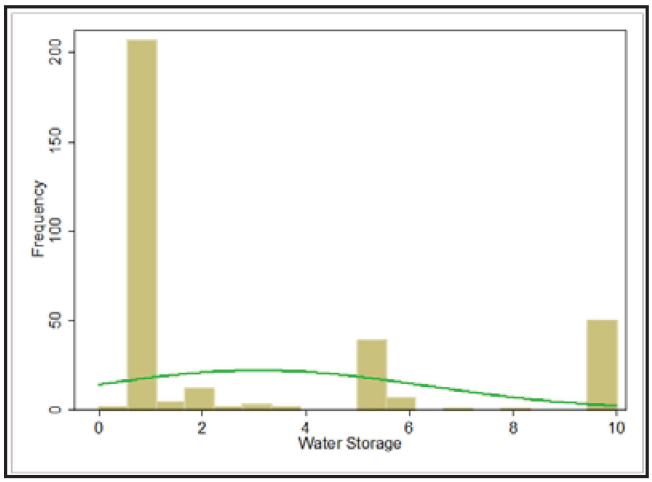

Frequency
0
50
100
150
200
250
0
2
4
6
8
10
Resident Fish Habitat

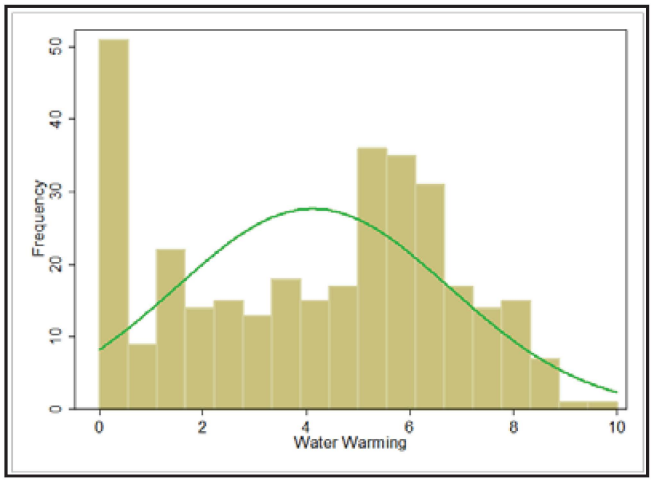

Frequency
0
20
40
60
80
100
0
2
4
6
8
10
Sediment Retention & Stabilization

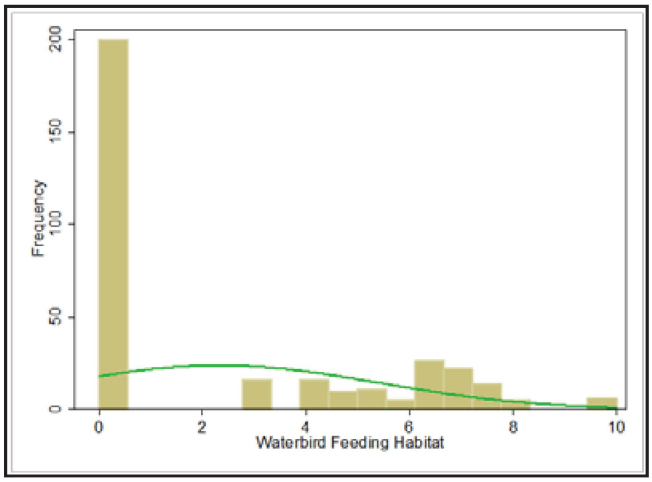

Frequency
0
20
40
60
0
2
4
6
8
10
Songbird Raptor & Mammal Habitat

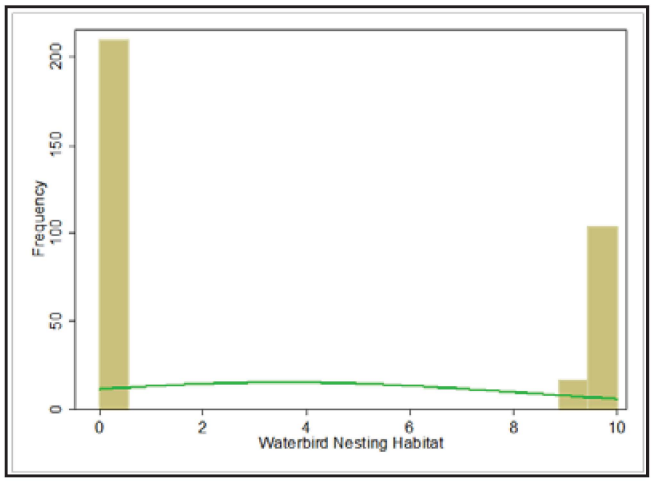

Frequency
0
20
40
60
80
100
0
2
4
6
8
10
Stream Flow Support

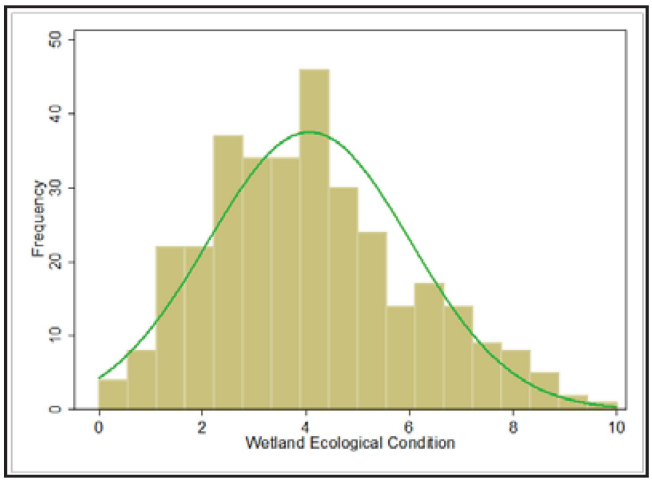

Frequency
0
20
40
60
80
0
2
4
6
8
Water Cooling

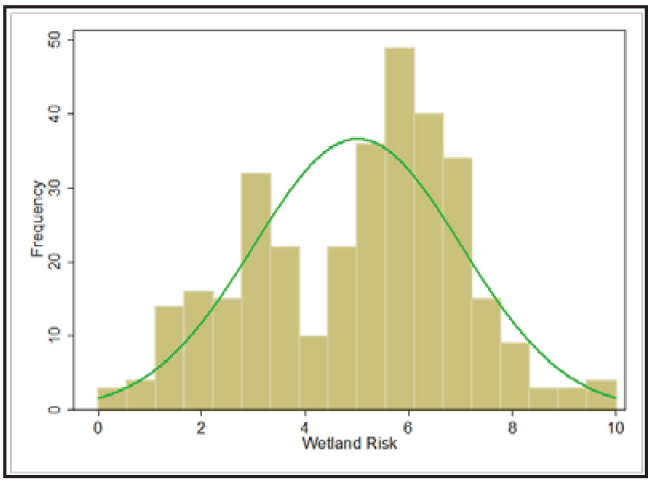

Frequency
0
50
100
150
200
0
2
4
6
8
10
Water Storage

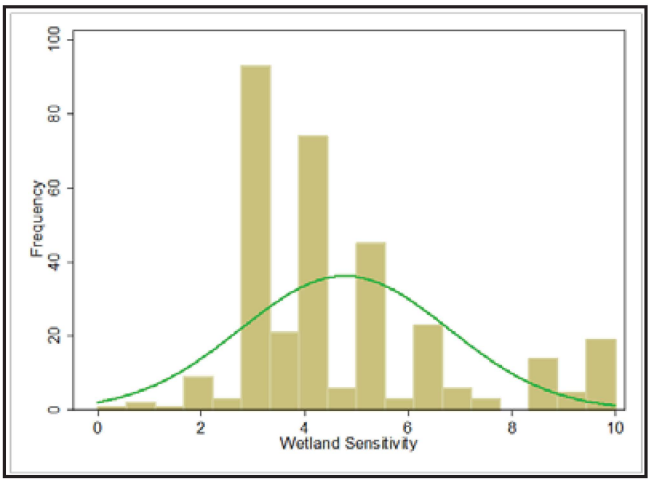

Frequency
0
10
20
30
40
50
0
2
4
6
8
10
Water Warming

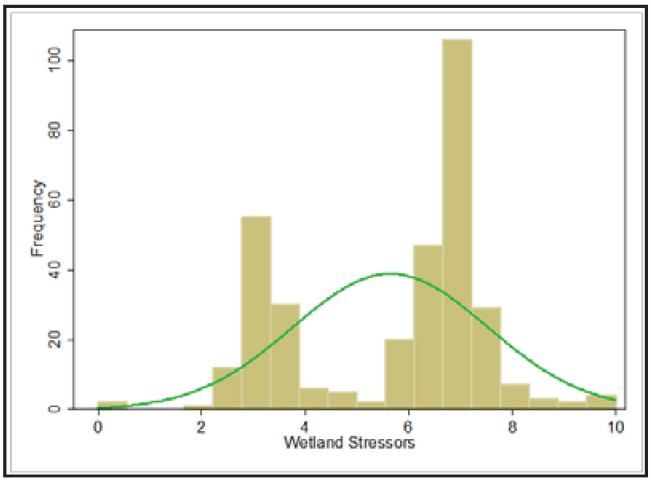

Frequency
0
50
100
150
200
0
2
4
6
8
10
Waterbird Feeding Habitat


Frequency
0
50
100
150
200
0
2
4
6
8
10
Waterbird Nesting Habitat

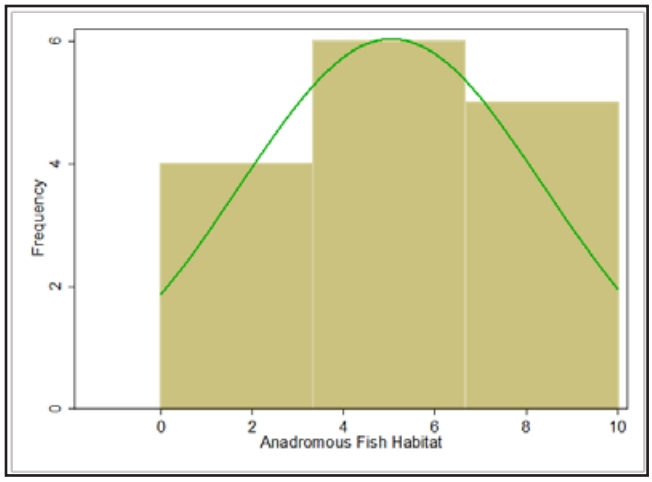

Frequency
0
10
20
30
40
50
0
2
4
6
8
10
Wetland Ecological Condition

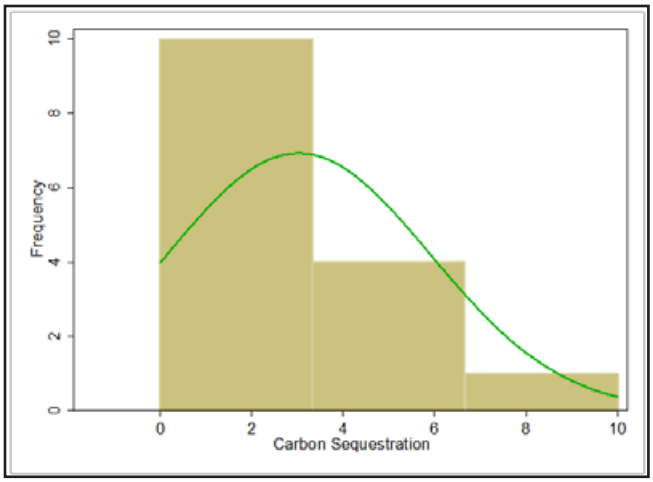

Frequency
0
10
20
30
40
50
0
2
4
6
8
10
Wetland Risk

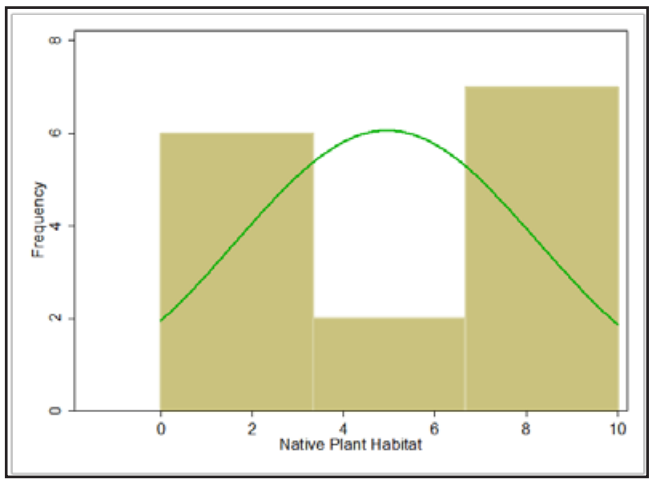

Frequency
0
20
40
60
80
100
0
2
4
6
8
10
Wetland Sensitivity

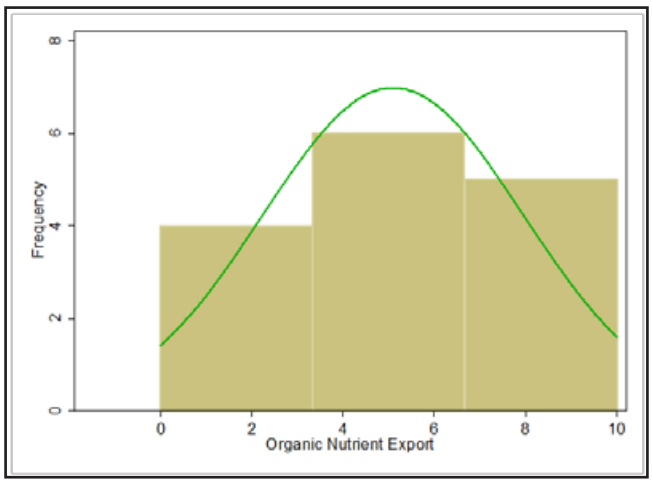

Frequency
0
20
40
60
80
100
0
2
4
6
8
10
Wetland Stressors

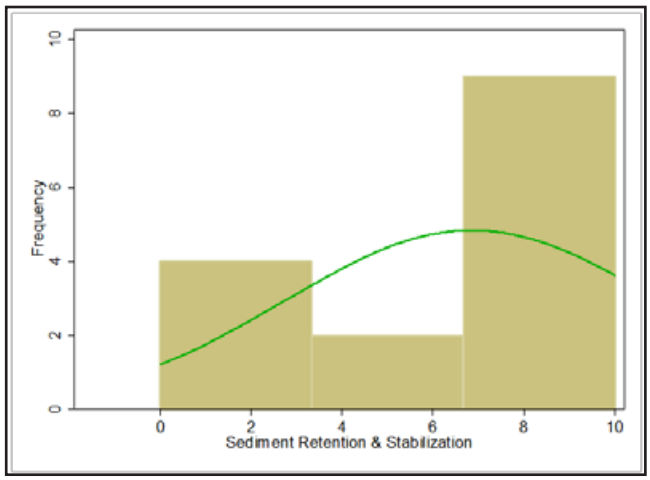
4.3 Tidal Sites Function Score Histograms

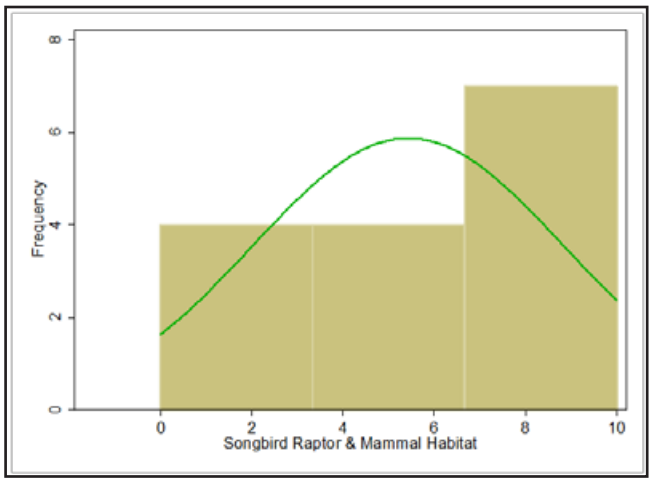


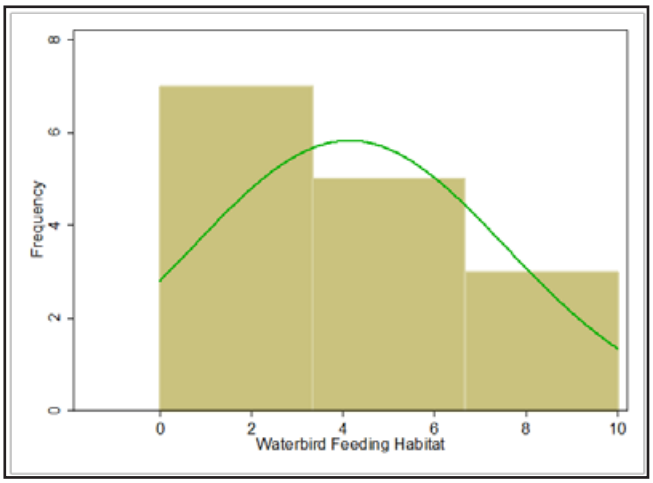




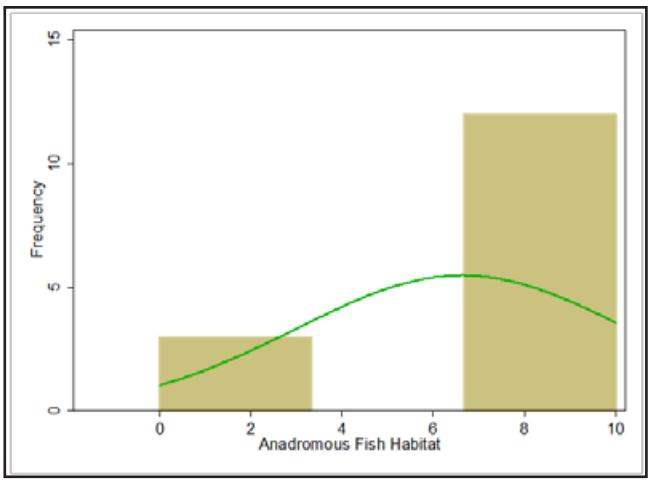


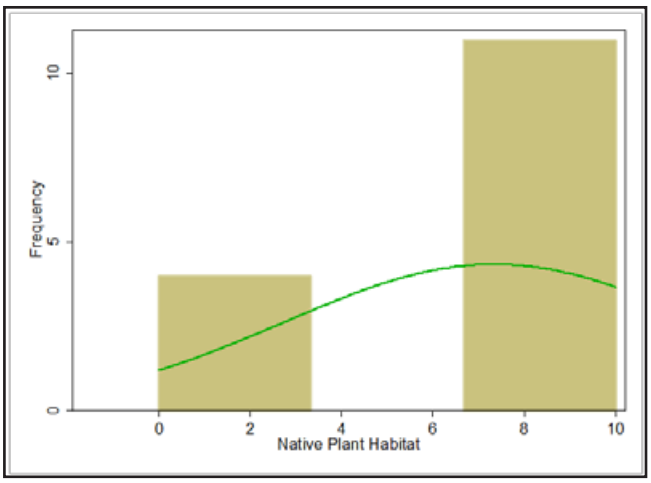


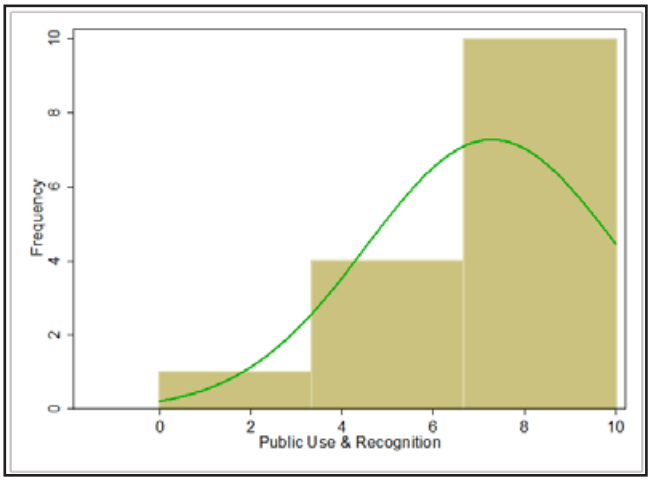


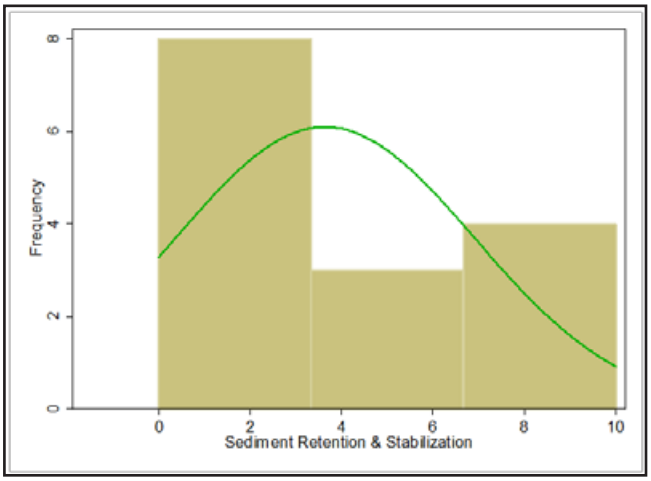


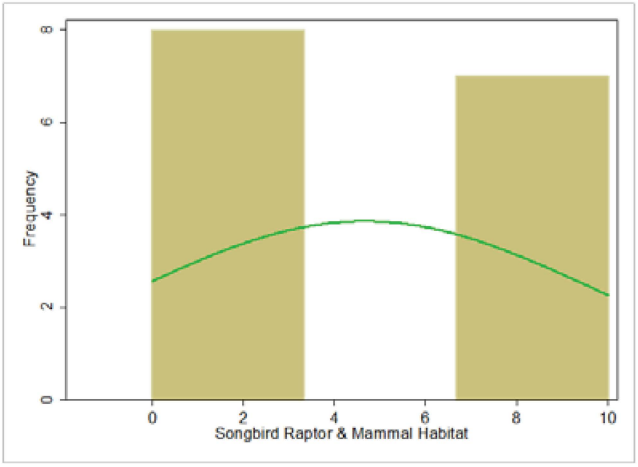
4.4 Tidal Sites Value Score Histograms

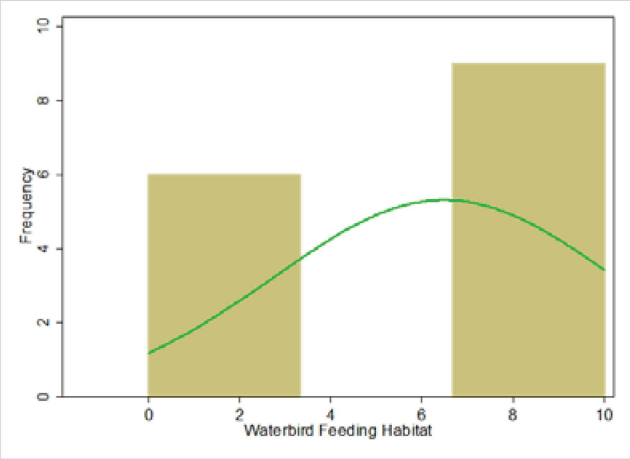


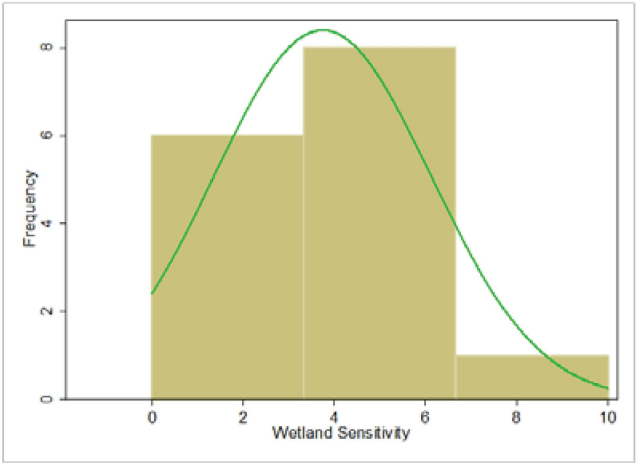


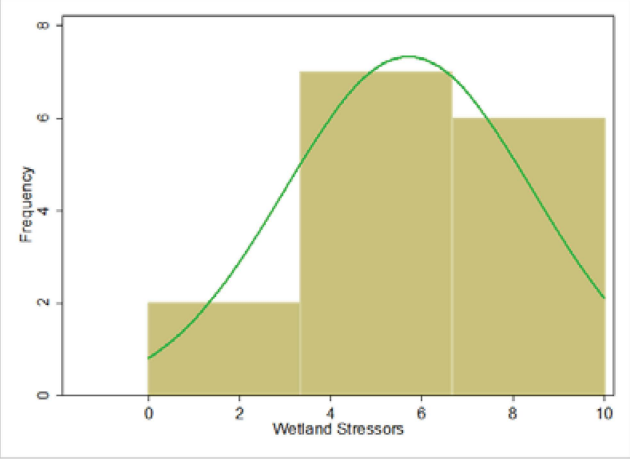





Frequency
0
2
4
6
8
0
2
4
6
8
10
Songbird Raptor & Mammal Habitat


Frequency
0
2
4
6
8
10
0
2
4
6
8
10
Waterbird Feeding Habitat


Frequency
0
2
4
6
8
0
2
4
6
8
10
Wetland Sensitivity


Frequency
0
2
4
6
8
0
2
4
6
8
10
Wetland Stressors

4.5 Nontidal Sites Ranked by Function

Carried over from 2014 report:
These tables show the highest- and lowest-scoring AA for each function or other attribute. For this report, "highest scoring" meant the highest 5 scores (plus any ties) and "lowest scoring" meant the lowest 5 scores (plus any ties).

Scores are not reported for one WESPAK-SE item—Subsistence Value—because every wetland in the study area would have a score of 0 since by law the City-Borough of Juneau has been designated a "Non-subsistence Use" area.

haven't yet received tables for these
will add to next draft

4.6 Offsite NONTIDAL Sites Ranked by Function

These tables are just place-holders: will change when the WDs are added and all units re-normalized.

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Amphibian Habitat	SV10of	5.11	Higher	4.53	Moderate
Amphibian Habitat	NV02of	4.80	Moderate	8.00	Higher
Amphibian Habitat	SV06of	4.46	Moderate	7.35	Higher
Amphibian Habitat	SD04of	4.43	Moderate	3.21	Lower
Amphibian Habitat	SV08of	3.74	Moderate	2.54	Lower
Amphibian Habitat	NV01of	3.48	Moderate	2.50	Lower
Amphibian Habitat	SV09of	3.34	Moderate	3.12	Lower
Amphibian Habitat	SV07of	3.07	Moderate	1.68	Lower
Amphibian Habitat	NV03of	2.47	Lower	3.33	Lower
Amphibian Habitat	SD01of	2.32	Lower	3.69	Lower
Amphibian Habitat	SD02of	2.31	Lower	6.20	Moderate
Amphibian Habitat	SD03of	2.17	Lower	6.20	Moderate

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Anadromous Fish Habitat	SV07of	8.23	Higher	5.33	Moderate
Anadromous Fish Habitat	SV09of	7.28	Moderate	4.83	Moderate
Anadromous Fish Habitat	NV02of	4.60	Moderate	7.00	Moderate
Anadromous Fish Habitat	NV03of	4.02	Moderate	6.67	Moderate
Anadromous Fish Habitat	SV06of	4.01	Moderate	5.17	Moderate
Anadromous Fish Habitat	NV01of	0.00	Lower	0.00	Lower
Anadromous Fish Habitat	SD01of	0.00	Lower	0.00	Lower
Anadromous Fish Habitat	SD02of	0.00	Lower	0.00	Lower
Anadromous Fish Habitat	SD03of	0.00	Lower	0.00	Lower
Anadromous Fish Habitat	SD04of	0.00	Lower	0.00	Lower
Anadromous Fish Habitat	SV08of	0.00	Lower	0.00	Lower
Anadromous Fish Habitat	SV10of	0.00	Lower	0.00	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Aquatic Invertebrate Habitat	NV02of	5.72	Higher	10.00	Higher
Aquatic Invertebrate Habitat	SV10of	5.38	Higher	1.11	Lower
Aquatic Invertebrate Habitat	SD02of	4.68	Moderate	1.13	Lower
Aquatic Invertebrate Habitat	NV03of	4.49	Moderate	10.00	Higher
Aquatic Invertebrate Habitat	SD03of	3.15	Lower	1.99	Lower
Aquatic Invertebrate Habitat	SV06of	2.86	Lower	3.93	Moderate
Aquatic Invertebrate Habitat	SD01of	2.78	Lower	0.64	Lower
Aquatic Invertebrate Habitat	SD04of	2.56	Lower	0.78	Lower
Aquatic Invertebrate Habitat	SV08of	1.74	Lower	0.58	Lower
Aquatic Invertebrate Habitat	SV07of	1.07	Lower	3.26	Moderate
Aquatic Invertebrate Habitat	SV09of	0.65	Lower	3.33	Moderate
Aquatic Invertebrate Habitat	NV01of	0.27	Lower	10.00	Higher

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Carbon Sequestration	SD01of	7.38	Higher		
Carbon Sequestration	SD02of	6.87	Higher		
Carbon Sequestration	SD03of	6.87	Higher		
Carbon Sequestration	SD04of	5.74	Moderate		
Carbon Sequestration	NV01of	5.34	Moderate		
Carbon Sequestration	SV10of	4.82	Moderate		
Carbon Sequestration	SV09of	3.94	Moderate		
Carbon Sequestration	SV07of	3.49	Lower		
Carbon Sequestration	NV02of	3.09	Lower		
Carbon Sequestration	NV03of	2.73	Lower		
Carbon Sequestration	SV06of	2.64	Lower		
Carbon Sequestration	SV08of	0.77	Lower		

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Ecological Condition	NV03of			6.64	Higher
Ecological Condition	NV01of			5.52	Moderate
Ecological Condition	SV07of			4.79	Moderate
Ecological Condition	SD02of			4.50	Moderate
Ecological Condition	SD01of			4.47	Moderate
Ecological Condition	NV02of			4.17	Moderate
Ecological Condition	SV08of			3.65	Moderate
Ecological Condition	SD03of			3.63	Moderate
Ecological Condition	SV09of			3.53	Moderate
Ecological Condition	SV10of			2.56	Lower
Ecological Condition	SD04of			2.05	Lower
Ecological Condition	SV06of			-0.93	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Native Plant Habitat	SV06of	8.62	Higher	0.43	Lower
Native Plant Habitat	SV10of	5.61	Higher	1.75	Lower
Native Plant Habitat	SD04of	5.58	Higher	2.88	Moderate
Native Plant Habitat	SV09of	5.00	Moderate	2.89	Moderate
Native Plant Habitat	SD02of	4.96	Moderate	0.43	Lower
Native Plant Habitat	SD03of	4.40	Moderate	0.43	Lower
Native Plant Habitat	SD01of	3.99	Moderate	0.43	Lower
Native Plant Habitat	SV07of	3.86	Moderate	0.48	Lower
Native Plant Habitat	SV08of	3.77	Moderate	0.43	Lower
Native Plant Habitat	NV01of	2.27	Lower	6.95	Higher
Native Plant Habitat	NV02of	1.34	Lower	8.10	Higher
Native Plant Habitat	NV03of	1.08	Lower	7.90	Higher

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Nitrate Removal	SV09of	4.44	Higher	6.46	Higher
Nitrate Removal	SV07of	2.93	Moderate	6.06	Higher
Nitrate Removal	NV03of	2.44	Moderate	6.77	Higher
Nitrate Removal	NV02of	2.40	Moderate	6.77	Higher
Nitrate Removal	NV01of	2.19	Moderate	6.97	Higher
Nitrate Removal	SD04of	2.11	Moderate	9.60	Higher
Nitrate Removal	SD03of	1.80	Lower	6.57	Higher
Nitrate Removal	SV10of	1.72	Lower	6.57	Higher
Nitrate Removal	SD01of	1.52	Lower	6.57	Higher
Nitrate Removal	SV06of	1.51	Lower	6.06	Higher
Nitrate Removal	SD02of	1.46	Lower	6.57	Higher
Nitrate Removal	SV08of	-0.94	Lower	2.78	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Organic Nutrient Export	SD04of	9.05	Higher		
Organic Nutrient Export	SV10of	8.93	Higher		
Organic Nutrient Export	SD02of	7.95	Higher		
Organic Nutrient Export	SV09of	7.78	Higher		
Organic Nutrient Export	SD03of	7.73	Higher		
Organic Nutrient Export	SD01of	7.18	Moderate		
Organic Nutrient Export	SV07of	6.82	Moderate		
Organic Nutrient Export	NV02of	6.30	Moderate		
Organic Nutrient Export	NV01of	6.13	Moderate		
Organic Nutrient Export	NV03of	5.93	Moderate		
Organic Nutrient Export	SV06of	5.00	Lower		
Organic Nutrient Export	SV08of	3.77	Lower		

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Phosphorus Retention	SV09of	6.20	Higher	5.80	Higher
Phosphorus Retention	NV01of	4.06	Higher	3.81	Moderate
Phosphorus Retention	NV02of	3.98	Higher	8.54	Higher
Phosphorus Retention	SD04of	3.87	Higher	6.32	Higher
Phosphorus Retention	SD03of	3.73	Moderate	7.15	Higher
Phosphorus Retention	SV07of	3.69	Moderate	5.15	Higher
Phosphorus Retention	SD01of	3.47	Moderate	7.15	Higher
Phosphorus Retention	SV06of	3.38	Moderate	12.92	Higher
Phosphorus Retention	SD02of	2.74	Moderate	7.15	Higher
Phosphorus Retention	SV10of	2.06	Lower	7.15	Higher
Phosphorus Retention	NV03of	1.91	Lower	8.54	Higher
Phosphorus Retention	SV08of	0.30	Lower	0.00	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Pollinator Habitat	SV10of	7.29	Higher	3.29	Moderate
Pollinator Habitat	SD04of	6.85	Higher	3.29	Moderate
Pollinator Habitat	NV01of	5.31	Moderate	7.85	Higher
Pollinator Habitat	SV09of	5.15	Moderate	3.29	Moderate
Pollinator Habitat	SD02of	4.98	Moderate	3.26	Moderate
Pollinator Habitat	NV03of	4.87	Moderate	8.52	Higher
Pollinator Habitat	SV08of	3.35	Lower	3.26	Moderate
Pollinator Habitat	NV02of	3.17	Lower	8.66	Higher
Pollinator Habitat	SV06of	2.79	Lower	3.26	Moderate
Pollinator Habitat	SV07of	2.77	Lower	3.29	Moderate
Pollinator Habitat	SD01of	2.21	Lower	3.26	Moderate
Pollinator Habitat	SD03of	2.10	Lower	3.26	Moderate

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Public Use & Recognition	SV06of			9.70	Higher
Public Use & Recognition	SV08of			9.34	Higher
Public Use & Recognition	NV02of			8.99	Higher
Public Use & Recognition	NV03of			8.97	Higher
Public Use & Recognition	SV07of			7.51	Higher
Public Use & Recognition	SD04of			2.55	Moderate
Public Use & Recognition	SV10of			2.29	Lower
Public Use & Recognition	SD01of			2.20	Lower
Public Use & Recognition	SD02of			2.20	Lower
Public Use & Recognition	SD03of			2.20	Lower
Public Use & Recognition	NV01of			1.78	Lower
Public Use & Recognition	SV09of			1.50	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Resident Fish Habitat	SV07of	7.67	Higher	6.15	Higher
Resident Fish Habitat	SV09of	6.80	Moderate	5.58	Moderate
Resident Fish Habitat	NV02of	6.14	Moderate	8.08	Higher
Resident Fish Habitat	SV06of	5.69	Moderate	5.96	Higher
Resident Fish Habitat	NV03of	4.97	Moderate	7.69	Higher
Resident Fish Habitat	NV01of	0.00	Lower	0.00	Lower
Resident Fish Habitat	SD01of	0.00	Lower	0.00	Lower
Resident Fish Habitat	SD02of	0.00	Lower	0.00	Lower
Resident Fish Habitat	SD03of	0.00	Lower	0.00	Lower
Resident Fish Habitat	SD04of	0.00	Lower	0.00	Lower
Resident Fish Habitat	SV08of	0.00	Lower	0.00	Lower
Resident Fish Habitat	SV10of	0.00	Lower	0.00	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Sediment Retention	SD01of	4.81	Higher	4.24	Moderate
Sediment Retention	SV09of	4.26	Higher	2.90	Moderate
Sediment Retention	NV02of	4.10	Higher	3.12	Moderate
Sediment Retention	SD04of	3.75	Moderate	3.86	Moderate
Sediment Retention	SD03of	3.74	Moderate	4.36	Moderate
Sediment Retention	SV07of	3.70	Moderate	2.94	Moderate
Sediment Retention	NV03of	3.66	Moderate	3.12	Moderate
Sediment Retention	NV01of	3.33	Moderate	2.74	Moderate
Sediment Retention	SD02of	3.23	Moderate	4.36	Moderate
Sediment Retention	SV06of	1.50	Lower	2.87	Moderate
Sediment Retention	SV10of	0.93	Lower	4.31	Moderate
Sediment Retention	SV08of	-0.99	Lower	0.17	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Songbird, Raptor, & Mammal Habitat	SV10of	9.43	Higher	1.11	Lower
Songbird, Raptor, & Mammal Habitat	SD04of	7.85	Higher	3.33	Moderate
Songbird, Raptor, & Mammal Habitat	SV09of	7.74	Higher	1.11	Lower
Songbird, Raptor, & Mammal Habitat	SD02of	7.54	Higher	4.93	Moderate
Songbird, Raptor, & Mammal Habitat	NV03of	7.37	Higher	5.33	Moderate
Songbird, Raptor, & Mammal Habitat	NV02of	7.25	Higher	6.45	Moderate
Songbird, Raptor, & Mammal Habitat	SD03of	7.24	Higher	4.93	Moderate
Songbird, Raptor, & Mammal Habitat	NV01of	7.00	Higher	4.67	Moderate
Songbird, Raptor, & Mammal Habitat	SV06of	6.87	Moderate	10.00	Higher
Songbird, Raptor, & Mammal Habitat	SV07of	6.01	Moderate	10.00	Higher
Songbird, Raptor, & Mammal Habitat	SD01of	5.11	Moderate	4.93	Moderate
Songbird, Raptor, & Mammal Habitat	SV08of	4.21	Moderate	10.00	Higher

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Stream Flow Support	SD04of	7.23	Higher	1.74	Moderate
Stream Flow Support	NV02of	6.35	Higher	6.07	Higher
Stream Flow Support	SV09of	6.27	Higher	6.22	Higher
Stream Flow Support	SV10of	5.51	Moderate	2.30	Moderate
Stream Flow Support	SV07of	5.46	Moderate	6.93	Higher
Stream Flow Support	SD02of	4.54	Moderate	2.16	Moderate
Stream Flow Support	SD03of	4.54	Moderate	1.86	Moderate
Stream Flow Support	NV03of	3.88	Moderate	5.22	Higher
Stream Flow Support	NV01of	3.33	Moderate	1.28	Moderate
Stream Flow Support	SD01of	1.62	Lower	2.38	Moderate
Stream Flow Support	SV06of	0.00	Lower	0.00	Lower
Stream Flow Support	SV08of	0.00	Lower	0.00	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Stress Potential	NV03of			12.92	Higher
Stress Potential	NV02of			12.72	Higher
Stress Potential	SV06of			10.03	Higher
Stress Potential	NV01of			9.60	Higher
Stress Potential	SV08of			9.56	Higher
Stress Potential	SV09of			6.55	Moderate
Stress Potential	SV07of			5.47	Moderate
Stress Potential	SV10of			3.79	Lower
Stress Potential	SD01of			3.16	Lower
Stress Potential	SD02of			3.16	Lower
Stress Potential	SD03of			3.16	Lower
Stress Potential	SD04of			3.16	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Water Cooling	SD01of	8.43	Higher	0.00	Lower
Water Cooling	SD04of	6.58	Higher	3.95	Higher
Water Cooling	SV10of	6.51	Higher	3.07	Moderate
Water Cooling	SV09of	6.35	Higher	6.22	Higher
Water Cooling	SV07of	5.40	Higher	7.07	Higher
Water Cooling	NV02of	5.04	Moderate	5.06	Higher
Water Cooling	SD02of	4.89	Moderate	1.58	Lower
Water Cooling	SD03of	4.89	Moderate	1.58	Lower
Water Cooling	SV08of	4.60	Moderate	0.00	Lower
Water Cooling	NV03of	4.34	Moderate	4.81	Higher
Water Cooling	SV06of	3.68	Moderate	0.96	Lower
Water Cooling	NV01of	3.58	Moderate	3.07	Moderate

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Water Storage	SV07of	5.68	Higher	1.11	Lower
Water Storage	SV09of	5.61	Higher	10.00	Higher
Water Storage	NV01of	5.46	Higher	10.00	Higher
Water Storage	NV02of	5.37	Higher	10.00	Higher
Water Storage	NV03of	5.23	Higher	10.00	Higher
Water Storage	SD03of	5.17	Higher	1.11	Lower
Water Storage	SD04of	4.63	Moderate	1.11	Lower
Water Storage	SD02of	4.59	Moderate	1.11	Lower
Water Storage	SD01of	2.77	Moderate	1.67	Lower
Water Storage	SV10of	2.53	Lower	1.11	Lower
Water Storage	SV06of	1.97	Lower	10.00	Higher
Water Storage	SV08of	-1.09	Lower	0.00	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Water Warming	SD01of	8.40	Higher	4.32	Moderate
Water Warming	SD02of	8.36	Higher	5.18	Moderate
Water Warming	SD03of	8.36	Higher	5.17	Moderate
Water Warming	SV10of	7.00	Higher	5.51	Moderate
Water Warming	SV06of	6.30	Higher	4.16	Moderate
Water Warming	NV03of	4.79	Higher	4.80	Moderate
Water Warming	SV07of	4.75	Higher	7.88	Higher
Water Warming	NV02of	3.78	Moderate	5.10	Moderate
Water Warming	SV09of	3.74	Moderate	5.28	Moderate
Water Warming	SD04of	3.61	Moderate	9.18	Higher
Water Warming	NV01of	3.19	Moderate	4.93	Moderate
Water Warming	SV08of	0.00	Lower	0.00	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Waterbird Feeding Habitat	NV02of	7.76	Higher	3.96	Moderate
Waterbird Feeding Habitat	SV06of	7.26	Higher	10.00	Higher
Waterbird Feeding Habitat	SD03of	5.13	Moderate	5.94	Higher
Waterbird Feeding Habitat	SD02of	4.76	Moderate	0.00	Lower
Waterbird Feeding Habitat	SD01of	4.04	Moderate	0.00	Lower
Waterbird Feeding Habitat	SV08of	3.47	Moderate	10.00	Higher
Waterbird Feeding Habitat	NV01of	0.00	Lower	0.00	Lower
Waterbird Feeding Habitat	NV03of	0.00	Lower	0.00	Lower
Waterbird Feeding Habitat	SD04of	0.00	Lower	0.00	Lower
Waterbird Feeding Habitat	SV07of	0.00	Lower	0.00	Lower
Waterbird Feeding Habitat	SV09of	0.00	Lower	0.00	Lower
Waterbird Feeding Habitat	SV10of	0.00	Lower	0.00	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Waterbird Nesting Habitat	NV02of	7.89	Higher	9.80	Higher
Waterbird Nesting Habitat	SD03of	6.36	Higher	9.70	Higher
Waterbird Nesting Habitat	SV06of	6.12	Higher	10.00	Higher
Waterbird Nesting Habitat	NV03of	5.17	Moderate	0.00	Lower
Waterbird Nesting Habitat	SV09of	3.57	Moderate	0.00	Lower
Waterbird Nesting Habitat	SV07of	3.28	Moderate	0.00	Lower
Waterbird Nesting Habitat	NV01of	2.80	Moderate	0.00	Lower
Waterbird Nesting Habitat	SD01of	0.00	Lower	0.00	Lower
Waterbird Nesting Habitat	SD02of	0.00	Lower	0.00	Lower
Waterbird Nesting Habitat	SD04of	0.00	Lower	0.00	Lower
Waterbird Nesting Habitat	SV08of	0.00	Lower	0.00	Lower
Waterbird Nesting Habitat	SV10of	0.00	Lower	0.00	Lower

Function or Other Attribute	Site	Function Score	Function Rating	Value Score	Value Rating
Wetland Sensitivity	SV10of			6.45	Moderate
Wetland Sensitivity	SV09of			5.38	Moderate
Wetland Sensitivity	NV03of			3.23	Lower
Wetland Sensitivity	SD01of			3.23	Lower
Wetland Sensitivity	SD02of			3.23	Lower
Wetland Sensitivity	SD03of			3.23	Lower
Wetland Sensitivity	SD04of			3.23	Lower
Wetland Sensitivity	NV02of			3.01	Lower
Wetland Sensitivity	SV08of			2.29	Lower
Wetland Sensitivity	NV01of			1.08	Lower
Wetland Sensitivity	SV07of			1.08	Lower
Wetland Sensitivity	SV06of			0.86	Lower

4.7 Offsite TIDAL Sites Ranked by Function

Anadromous Fish Habitat

Site	Function Score	Function Rating	Value Score	Value Rating
SV04of	7.33	Higher	10	Higher
SV05of	7.11	Higher	10	Higher
LC14of	5.18	Moderate	10	Higher
LC13of	4.85	Moderate	10	Higher
LC12of	3.57	Moderate	10	Higher
SV02of	0	Lower	0	Lower
SV03of	0	Lower	0	Lower

Carbon Sequestration

Site	Function Score	Function Rating	Value Score	Value Rating
LC14of	7.77	Higher	N.A.	N.A.
LC13of	7.75	Higher	N.A.	N.A.
SV02of	4.37	Moderate	N.A.	N.A.
SV04of	4.37	Moderate	N.A.	N.A.
SV05of	4.37	Moderate	N.A.	N.A.
LC12of	4.14	Moderate	N.A.	N.A.
SV03of	3.91	Moderate	N.A.	N.A.

Native Plant Habitat

Site	Function Score	Function Rating	Value Score	Value Rating
SV03of	9.93	Higher	4.12	Higher
SV02of	9.65	Higher	4.12	Higher
SV04of	9.09	Higher	10.00	Higher
SV05of	9.00	Higher	10.00	Higher
LC14of	8.67	Higher	10.00	Higher
LC12of	8.66	Higher	10.00	Higher
LC13of	7.03	Higher	10.00	Higher

Organic Nutrient Export

Site	Function Score	Function Rating	Value Score	Value Rating
LC13of	4.46	Moderate	N.A.	N.A.
LC14of	3.75	Lower	N.A.	N.A.
SV02of	2.40	Lower	N.A.	N.A.
SV04of	1.96	Lower	N.A.	N.A.
LC12of	1.23	Lower	N.A.	N.A.
SV05of	1.18	Lower	N.A.	N.A.
SV03of	0.13	Lower	N.A.	N.A.

Public Use & Recognition

Site	Function Score	Function Rating	Value Score	Value Rating
LC12of	N.A.	N.A.	10.00	Higher
SV02of	N.A.	N.A.	10.00	Higher
SV04of	N.A.	N.A.	10.00	Higher
SV05of	N.A.	N.A.	10.00	Higher
SV03of	N.A.	N.A.	9.40	Higher
LC13of	N.A.	N.A.	6.27	Higher
LC14of	N.A.	N.A.	0.90	Lower

Sediment Retention & Stabilization

Site	Function Score	Function Rating	Value Score	Value Rating
SV04of	7.33	Higher	10	Higher
SV05of	7.11	Higher	10	Higher
LC14of	5.18	Moderate	10	Higher
LC13of	4.85	Moderate	10	Higher
LC12of	3.57	Moderate	10	Higher
SV02of	0	Lower	0	Lower
SV03of	0	Lower	0	Lower

Songbird, Raptor, & Mammal Habitat

Site	Function Score	Function Rating	Value Score	Value Rating
SV02of	10.00	Higher	10.00	Higher
SV03of	10.00	Higher	10.00	Higher
SV04of	10.00	Higher	10.00	Higher
LC14of	9.79	Higher	10.00	Higher
LC12of	9.28	Higher	10.00	Higher
SV05of	9.14	Higher	10.00	Higher
LC13of	7.01	Higher	10.00	Higher

Waterbird Feeding Habitat

Site	Function Score	Function Rating	Value Score	Value Rating
SV02of	10.00	Higher	10.00	Higher
SV04of	10.00	Higher	10.00	Higher
SV05of	8.63	Higher	10.00	Higher
SV03of	7.67	Higher	10.00	Higher
LC13of	5.03	Moderate	10.00	Higher
LC12of	4.07	Moderate	10.00	Higher
LC14of	1.87	Lower	10.00	Higher

Wetland Sensitivity

Site	Function Score	Function Rating	Value Score	Value Rating
LC14of	N.A.	N.A.	9.39	Higher
LC12of	N.A.	N.A.	6.06	Higher
LC13of	N.A.	N.A.	5.75	Higher
SV04of	N.A.	N.A.	4.81	Higher
SV03of	N.A.	N.A.	4.48	Higher
SV05of	N.A.	N.A.	4.26	Moderate
SV02of	N.A.	N.A.	3.93	Moderate

Wetland Stressors

Site	Function Score	Function Rating	Value Score	Value Rating
LC13of	N.A.	N.A.	8.53	Higher
LC14of	N.A.	N.A.	8.22	Higher
SV02of	N.A.	N.A.	7.56	Higher
SV03of	N.A.	N.A.	6.79	Higher
LC12of	N.A.	N.A.	6.27	Higher
SV04of	N.A.	N.A.	5.35	Moderate
SV05of	N.A.	N.A.	5.03	Moderate

5.0 IMPLEMENTATION

5.1 Background

Prior to 1993, wetland management in Juneau was primarily under Corps jurisdiction. In 1992, in order to establish a stronger local role in wetland management, CBJ government adopted the Juneau Wetlands Management Plan (JWMP). Regulatory provisions of JWMP, and maps of wetlands covered under the plan, were adopted into the CBJ Land Use Code and given oversight by the newly formed CBJ Wetlands Review Board. Part of the board's oversight included adoption of a general wetlands mitigation strategy. This strategy pursues 1) wetlands protection, 2) public education, and 3) wetlands restoration and creation as the primary mitigating actions for wetland impacts. Following adoption of the JWMP into Land Use Code, regulatory provisions of the JWMP have had the full effect of federal law administered at the local level. The JWMP was recognized by the U.S. Army Corps of Engineers (Corps) and used at the federal level for decisions regarding local wetland fill permits and other management strategies for public wetland resources.

Under the JWMP, Juneau's wetlands were divided into four main categories: A, B, C, and D. Category A and B were considered higher quality wetlands; C and D were considered lower quality wetlands. A fifth category, EP ("Enhancement Potential"), is designated to wetlands with particular potential for wetlands enhancement projects. In 1994 the Corps signed a cooperative agreement with CBJ government allowing the Wetlands Review Board to assume all responsibility for C, D, and EP wetlands, providing the review board with local oversight and authority to grant a General Permit for wetland fill. The Corps retained permitting authority for the higher quality A and B wetlands, as well as any wetlands not otherwise classified under the wetland management plan or identified on existing wetland mapping. Any impacts proposed for A or B wetlands required an individual or nationwide permit to be issued by the Corps, granted within the standard federal regulatory procedure.

The Corps of Engineers continued to reissue local authority for General Permits in C, D, and EP wetlands from 1993 until 2011. In 2011, the Corps did not renew General Permits because the vast majority of C and D wetlands (as identified on existing JWMP wetland maps) had been filled. Following a grant award, CBJ scheduled updates to the JWMP for 2013; field mapping was concluded in 2014 and a new draft of the JWMP was begun in 2015. This draft addresses new strategies for local wetland regulation as well as exploring new opportunities for meeting requirements of the Federal Compensatory Mitigation Rule for development impacts in Juneau's wetland areas. This JWMP Update is the third stage of a larger 3.5 year project entitled, "The City and Borough of Juneau Habitat Mapping and Analysis Project."

5.1.1 Wetland Management in CBJ

Wetland management in Juneau (since the expiration of General Permits in 2011) continues under direction and oversight from the Wetland Review Board. The Board is composed of seven members, appointed by the Assembly who chooses representatives from the public at large, and two representatives of the CBJ Planning Commission. When making appointments, the Assembly is required to consider the "broadest possible representation from those technical fields with knowledge of the values, functions and uses of wetlands, such as fish or wildlife biology, geology, hydrology, land use planning, and engineering" (CBJ 49.70.1010). Appointments are three-year terms. The presence of five members constitutes a quorum and any action of the Board requires five or more affirmative votes to be approved.

At present, the Board has no authority to issue wetland permits, and does not have a defined framework for interpreting or applying broadly applicable mitigation actions (the Juneau Wetlands Mitigation Bank was initiated in 2008 and abandoned in 2009). Instead, the Board functions as an advisory body to the Planning Commission and the Director of the Community Development Department regarding general wetlands issues. Board responsibilities include (but are not limited to) providing comments on wetland permit applications under Corps review, reviewing protection standards for streams and riparian areas, and the overall conduct of local, state and federal projects that affect wetlands and streams.

Following (and preceding) an attempt to establish the Juneau Wetlands Mitigation Bank, the primary method for providing mitigating actions in CBJ is through the Fee-in-Lieu program sponsored by the Southeast Alaska Land Trust (SEAL Trust), which is required to meet the new regulations named in the 2008 U.S. Army Corps of Engineer Compensatory Mitigation Rule (see section 4.1.2). SEAL Trust's Fee-in-Lieu program functions similarly to a preservation bank: the funds they receive for wetland mitigation fund permanent conservation of wetland areas across Southeast Alaska. The fee-in-lieu program is a form of

wetland mitigation but meets the second (not the first) preferred option as defined by the Corps.

5.1.2 Federal Rule

The Federal regulation of 2008, known commonly as the "Federal Rule" or "Federal Rule on Compensatory Mitigation," is officially coded and titled "33CFR Part 332, Compensatory Mitigation for Losses of Aquatic Resources." The purpose of it is to establish standards and criteria for the use of all types of compensatory mitigation, including on-site and off-site permittee-responsible mitigation, mitigation banks, and in-lieu fee mitigation to offset unavoidable impacts to waters of the U.S. authorized through Department of the Army permits ("Corps permits") under Section 404 of the Clean Water Act and Sections 9 or 10 of the Rivers and Harbors Act. The Federal Rule directs that the standards and criteria shall:

- *to the extent practicable, maximize available credits and opportunities for mitigation*
- *provide for regional variations in wetland conditions, functions, and values, and*
- *apply equivalent standards and criteria to each type of compensatory mitigation.*

Nothing in the Federal Rule changes the requirement that for all Corps permits the permit applicant take all appropriate and practicable steps to avoid and minimize adverse impacts to waters/wetlands of the U.S. prior to proposing and implementing mitigation. This is typically called "sequencing" where the permit process requires in sequence: 1) avoidance, 2) minimization, and 3) mitigation. A common misconception held by inexperienced permit applicants is that permits can be obtained by first and directly proposing mitigation for their proposed impacts and the "quantity and type" of mitigation will "sweeten" the prospect of obtaining a permit. In actuality, the Corps requires the applicant demonstrate that avoidance and minimization measures have been fully considered and documented before moving to the mitigation phase of the permit process. Obviously, commensurate mitigation to the impacts is required for most permits and the quality/quantity of that is weighed in the permitting process, but not until avoidance and minimization measures are taken.

The Federal Rule outlines a general preference for the methods of mitigation as 1) restoration, 2) establishment or enhancement, and in certain circumstances 3) preservation. Preservation, which does not create, restore, rehabilitate, enhance, or otherwise "lift" wetland function, can only be utilized when all the following criteria are met:

- *the resources to be preserved provide important physical, chemical, or biological functions for the watershed*
- *the resources to be preserved contribute significantly to the ecological sustainability of the watershed- -preservation is determined to be appropriate and practicable -the resources are under threat of destruction or adverse modification, and -the preserved site will be permanently protected through a legal instrument.*

Where preservation is used, the Federal Rule states that "to the extent appropriate and practicable the preservation shall be done in conjunction with aquatic resource restoration, establishment, and/or enhancement activities. When this requirement is waived by the Corps District Engineer, and is therefore "preservation-only", compensation ratios shall be higher.

Another requirement of the Federal Rule is that a watershed approach must be used to establish compensatory mitigation requirements in Corps permits. In general mitigation should be located in the same watershed as the impact site and where it is most likely to successfully replace lost functions and services taking into account such watershed scale features as aquatic habitat diversity, habitat connectivity, relationships to hydrologic sources, trends in land use, ecological benefits, and compatibility with adjacent land uses. Where watershed boundaries do not exist, such as marine areas, an appropriate spatial scale should be used rather than watershed boundaries.

A major requirement of the Federal Rule is the stated preference for the type and location of compensatory mitigation, listed as follows along with a brief characterization of each type:

1) mitigation bank credits: a site or suite of sites where resources are restored, established, enhanced, and/or preserved. In general, a mitigation bank sells compensatory mitigation credits to permittees whose obligation to provide compensatory mitigation is then transferred to the mitigation bank sponsor.

2) in-lieu fee program, means a program involving the restoration, establishment, enhancement and/or preservation of resources through funds paid to a governmental or non-profit natural resource management entity. Similar to a mitigation bank, credits are sold to permittees whose obligation to provide mitigation is then

transferred to the in-lieu fee sponsor.

3) permittee-responsible mitigation under a watershed approach: resource restoration, establishment, enhancement and/or preservation undertaken by the permittee

4) permittee-responsible mitigation through on-site and in-kind mitigation

5) permittee-responsible mitigation through off-site and/or out-of-kind mitigation

The Federal Rule then outlines the information required for submittal of proposals for mitigation banks, in-lieu fee programs, and permittee-responsible mitigation.

5.1.3 Mitigation in Southeast Alaska

Following the mitigation sequencing explained above, mitigation demonstrating restoration and enhancement is preferred over preservation mitigation. The availability of wetland restoration and enhancement opportunities on private land in Southeast Alaska is limited, and furthermore, such opportunities on public land are often encumbered with legal or administrative prohibitions or policies discouraging private investment. As such, preservation mitigation as been the primary source of mitigation found in Southeast Alaska to date.

The resources necessary to restore or enhance wetlands in Southeast Alaska, due to such factors as limited or remote access, mobilization logistics, weather constraints, and terrain, magnify the significance, and therefore the value, of those restoration and enhancement opportunities that do exist. Due to the extensive cover of wetlands in Alaska, the ability to preserve wetlands has offered a less restricting source of mitigation, however, using arguably insufficient mitigation ratios to achieve no net loss of wetlands.

A bank offering some restoration or enhancement opportunities, even if proportionally less than that provided by preservation, and considering the overall constraints to mitigation banking specific to Southeast Alaska, is given preference in the determination of credit generation ratios when a lift in functions can be achieved.

There are proposed private mitigation banks in Southeast Alaska that could provide restoration and enhancement opportunities. When avoidance and minimization have been addressed and wetland impacts remain in a proposed project, the primary mitigation option for wetlands within the CBJ remains Fee-in-Lieu until a wetland mitigation bank with a service area reaching Juneau is approved.

5.2 Best Available Science

The objective of the JWMP Update is to develop a long-range planning document that will assist public land managers and interested private landholders with practical management of their properties. The project meets this goal by providing wetland maps and wetland scores so land managers have comparative, site-specific, and function-specific information on high functioning wetlands and low functioning wetlands, indicating permitting needs for proposed wetland impacts. The WESPAK-SE assessments and mapping are also in compliance with the Federal Rule as it takes into account regional differences in wetland resources and functions and uses a watershed approach to wetland management.

The JWMP Update provides a consistent and standard scientifically informed wetland evaluation throughout the CBJ. The JWMP Update evaluates Wetland Assessment Areas in accordance with the WESPAK-SE protocol. This approach provides information to public and private developers to help guide project planning decisions and to gauge needs for more detailed wetland mapping and analysis when a specific project is proposed. The wetland inventory accomplished through this JWMP update does not provide legal wetland delineation lines, but more of a guidance tool to locate wetlands and understand their functions.

The JWMP established wetland scores in accordance with the WESPAK-SE protocol described in Chapter 2 and scores found in Volume __. As described in Chapter 2, WESPAK-SE produces 22 functions and 18 values for each wetland (or assessment area). These functions and values are important for both public and private land-use groups for planning development within CBJ. This tool allows landowners the advanced knowledge for development planning including costs for environmental review associated with sensitive or higher functioning wetlands. For example, if a private landowner were to propose a development within the CBJ, they would have access to the wetland inventory providing information about location and function and value scores of wetlands in their project area. Communication between the developer and CBJ planning department can develop around the 2016 inventory wetland information to make project decisions early on in the process. If the project is proposed in an area with high functioning wetlands, the landowner may be encouraged to find alternative building sites. Or,

if the project area would impact lower-functioning wetlands, the landowner would be encouraged to pursue development in that area and provided with mitigation regulations applicable to any wetlands that may be impacted. The protection of high-valued wetlands is a priority named in the Juneau 2013 Comprehensive plan in Policy 7.5.

CBJ strives to protect high-valued wetlands and allow impacts, with avoidance and mitigation, to lower-valued wetlands. The value of wetlands is decided through a categorization public process that can use the WESPAK-SE scores provided in this update by assigning them into buckets or ranges. In regards to development, WESPAK-SE assessments inform what functions a wetland provides. If a proposed development were to impact a wetland assessed in this JWMP update, CBJ will have an indication of what functions need to be replaced in mitigation to achieve the Corps rule of "no net loss". Private developers also will be able to use the mapping and WESPAK-SE assessments for initial project feasibility, saving on project costs.

5.3 Wetland Categories for Plan Implementation

Establishing wetland categories could be useful in implementing the JWMP. However, the goal of this update is to provide wetland maps and wetland scores using the WESPAK-SE assessment method. At this time, CBJ will not establish specific wetland categories that indicate high value (for example, A and B) or low value (C and D). This option may be considered at a later time before or after the JWMP is finalized. The reason CBJ has chosen not to establish categories at this stage is because categorization requires a public discussion of the relative value of different wetland functions (for example, whether or not salmon habitat or flood control/water storage has more value to society). The wetland mapping and WESPAK-SE assessments presented in the previous chapters provide the scientific knowledge of the functions wetlands provide in the CBJ; a key tool necessary for the categorization process to be successful. The process of reaching wetland categories is a collaborative process with CBJ staff, policy makers, and stakeholders to agree upon a prioritization of wetland functional values.

The CBJ is taking many factors into consideration in their decision-making process for future development that may impact wetlands, including wetland functions and the value of those functions. Functions are what some wetlands do naturally, such as store and purify water, or provide unique habitat. Values represent the "So what?" question, and help regulators decide whether or not reducing or removing wetland functions for development will have a negative effect on people and/or ecosystems. To help in this task, CBJ has chosen to use WESPAK-SE to assess functions and values of wetlands including some of Juneau's potential growth areas. WESPAK-SE is intended to rate functions and values of individual wetlands; for CBJ, scores generated from the functions and values assessment can be used for development-related impact analysis and mitigation planning. A variety of methods can be used to interpret WESPAK-SE scores use them to achieve "no net loss" of wetland functions and values in Juneau. Presented below are categorization methodology options to reach wetland categories using WESPAK-SE assessment function and value scores. The below section outlines options for developing a systematic approach unique to Juneau's wetlands, and the mathematical rational for each method.

5.3.1 Options for Summarizing a Wetland's Relative Importance

In the context of the CBJ's Wetlands Management Plan, development decisions can be more consistent when criteria are quantified by assigned a single score or rating derived from the forty functions and values assessed by WESPAK-SE. The challenge is how to best combine wetland scores into a single score or rating. WESPAK-SE provides science and statistics for wetland analysis; these must be informed by policies or preferences of agencies and elected officials to provide the appropriate combination for meaningful rules. To date, CBJ has not adopted a detailed procedure for summarizing a wetland's relative importance.

The process involved in taking the 22 functions and 18 values that WESPAK-SE produces for each wetland and narrowing down those numbers into an overall wetland score that can be then categorized into groups is an extensive procedure that involves public involvement. In the paragraphs below, options for summarizing a wetland's relative importance are described. They are not exhaustive; other options may exist that are not described.

Three questions must be addressed to combine the scores into one wetland score:

1) For converting scores to ratings, should a score be

Table 4.1 WESPAK-SE assigns 22 functions and 18 values to each wetland. Below there are 4 functions and 4 values shown as an example.

Function or Attribute	Definition	Values
Water Storage & Delay	The effectiveness for storing runoff or delaying the downslope movement of surface water for long or short periods.	Flood control, maintain ecological systems
Stream Flow Support	The effectiveness for contributing water to streams during the driest part of a growing season.	Support fish and other aquatic life
Water Cooling	The effectiveness for maintaining or reducing temperature of downslope waters.	Support coldwater fish and other aquatic life
Water Warming	The effectiveness for increasing the temperature of downslope waters.	Maintain late-season ice-free conditions

Table 4.1 Question #2

Function and Value Combined Score
Water Storage & Delay
Stream Flow Support
Water Cooling
Water Warming

Table 4.2 Question #3

Wetland Score
1-10

placed in one of 3 groups (e.g., Lower, Moderate, Higher) or 4 (e.g., A, B, C, D) or some other number?

With regard to #1, an in-lieu fee program administered by Southeast Alaska Land Trust (SEAL Trust) is already proposed to federal regulatory agencies and is currently being reviewed by an Interagency Review Team (IRT) that includes a CBJ representative. SEAL Trust has proposed that WESPAK-SE scores be converted to just 3 groups, whereas the CBJ's 1996 Wetlands Management Plan assigned wetlands to four groups. Four or more groups would provide more flexibility in wetland planning decisions and complies with past practices in Juneau. Three groups may be more statistically defensible (i.e., broader confidence intervals), given the potential for some human error in applying WESPAK-SE, and has been used elsewhere in Alaska by the Alaska Conservation Trust.

To provide a visual example of the detailed options below, a portion of Table 1 in Chapter 2 has been used to demonstrate the steps required to reach an overall wetland score.

First, for each individual wetland (or assessment area) the function and value scores need to be combined. Possibly producing 22 "combined scores" for each wetland. Then, the 22 "combined scores" for each wetland function and value will need to be rolled up again to give a single wetland score.

2) For each of the wetland's functions, how can function and value scores (or ratings) be combined into one number (or rating)?

3) How can the score resulting from #2 be combined with those of other functions in order to yield an overall score (or rating) for the wetland?

With an overall wetland score, the wetland can then be placed into the previously decided categories for appropriate management.

Question #2

Option 2a: SEAL Trust has proposed that, for a given function, if the function score is higher than the value score, then only the function score can be used in subsequent calculations, whereas if (for a given function) the value score is equal or higher than the function score, then the average of the two be used in the calculations that will follow. We shall call this option 2a.

Option 2b is the same but the ratings associated with a function or value -- rather than the scores themselves -- are used to judge when to use the function score or an average of function and value scores.

Option 2c would simply average the function and value score, regardless of which was higher. The resultant score would be called the FVaverage score.

Option 2d would use the greater of the function score and value score. The resultant score would be called the FVmax score.

Under all options, the function and value scores would be normalized before being evaluated or combined.

Options 2a and 2b give more recognition to the possibility that some wetlands which currently score high for function but low for value might become more valuable in the future even though being less valuable now. For example, a wetland that is high-functioning now for Anadromous Fish Habitat may have a low Value score (according to WESPAK-SE) because it is not in one of Southeast Alaska's priority watersheds for salmon (as indicated by the TNC-Audubon 2007 Conservation Assessment). Simply averaging Function and Value (2c) might give it a Moderate score, which may be acceptable if the policy is to highlight only a wetland's current importance.

Question #3

Option 3a: SEAL Trust is proposing to first combine the scores resulting from Option 2a into six thematic groups, then combine the scores of those groups into an overall score. At both levels of combining, SEAL Trust adds the average of the scores with the maximum of the scores and divides by 2. Under the SEAL Trust proposal, membership of the thematic groups would be as follows:

Water Quality*: Sediment Retention, Phosphorus Retention, Nitrate Removal, Carbon Sequestration*

Hydrologic*: Water Storage*

Aquatic Support*: Organic Nutrient Export, Stream Flow Support, Water Cooling, Water Warming, Aquatic Invertebrate Habitat*

Fish Habitat*: Anadromous Fish Habitat, Resident Fish Habitat*

Other Aquatic Habitat*: Amphibian Habitat, Waterbird Feeding Habitat, Waterbird Nesting Habitat*

Terrestrial Habitat*: Native Plant Habitat, Pollinator Habitat; Songbird, Raptor, & Mammal Habitat*

Social*: Subsistence, Public Use & Recognition*

Furthermore, under the SEAL Trust proposal, the score for Social would be used in calculations only if it does not lower a wetland's overall score. The CBJ could suspend that rule, use a smaller or larger number of groups, and/or constitute the groups differently. The SEAL Trust groupings would only be applied to non-tidal wetlands; WESPAK-SE assesses fewer functions for tidal wetlands and therefore SEAL Trust determined that grouping those function scores prior to roll-up was unnecessary.

Option 3b would, for the combining process, simply take the average rather than the average + maximum divided by 2.

Option 3c would instead use only a wetland's highest score to represent that wetland; its other scores would be ignored.

Option 3d would be similar, but not just any highest score would be used to represent the wetland: only if Anadromous Fish Habitat was the highest would that trump all other functions.

Option 3e would require someone assigning a weight to each of the 18 functions based on policy considerations and-or public input, and then using a weighted average to represent the wetland.

Under all options, the combined scores would be normalized before being evaluated or combined further.

5.4 Plan Implementation Options

If categories are needed for the implementation of JWMP, once they are agreed upon and established, the Juneau Wetland Management Plan can be implemented through different options presented in this chapter. Since the first plan, written in 1993, CBJ's management strategy has involved the use of a General Permit from the Corps of Engineers. This implementation chapter examines the successes and issues with wetland management in the past and proposes three options for future wetland management implementation in Juneau. Regional examples of wetland management are cited and compared for reference. The three options are 1) use the wetlands management plan as a planning and educational tool, 2) update enforceable policies and CBJ Land Use Code to reflect 1997 management strategy and apply for a General Permit from the Corps of Engineers, 3) update the enforceable policies and CBJ Land Use Code to still involve CBJ through local wetland policies.

Option 1: Planning and Education Tool Only

This option reflects the current status of wetland permitting in CBJ. Since the expiration of CBJ's General Permit in 2011, wetland permitting has been managed by the Corps for all categories of wetlands. The Wetland Review Board is currently fulfilling an advisory role; in this capacity it could continue to function as an advisory body to the Planning Commission and to the Director of the Community

Development on wetlands issues. Advisory functions would also include comments on wetland permit applications administered by the Corps, protection for stream side riparian areas, and any effects that CBJ, state, or federal projects may have on wetlands and streams. This option could involve the continued advisory role of the Board. CBJ could still comment on wetland fill permit applications through the Corps public process, but would not be involved in administering any wetland fill permits.

The detailed and extensive wetland mapping and WESPAK-SE assessments offer a science-based product that provides the JWMP an educational tool and guiding principles for wetland management. This tool is compliant with the Federal Rule as it takes into account regional differences in wetland resources and functions and, as much as possible, uses a watershed approach to wetland management. An example of this type of implementation can be found in the Matanuska-Susitna Borough Wetlands Management Plan (HDR, 2012). The purpose of the Matanuska-Susitna (Mat-Su) document is stated as:

> *This plan serves primarily as an educational tool and promotes coordination among all entities involved in wetland management. This plan does not propose or include any new regulations or permitting requirements. It encourages voluntary practices to conserve and protect wetland resources within the Mat-Su.*

In addition to wetland and watershed mapping, the Matanuska-Susitna Borough (MSB) Assembly passed several ordinances related to wetlands conservation and protection. Topics of these ordinances include flood control, shoreline setbacks, BMPs for development, mitigation banking, and watershed classifications.

The overarching goals of wetlands planning in the MSB Wetlands Management Plan involves taking a long-term management approach using three main goals; identify, assess, and protect. The Mat-Su Borough encompasses a much larger area than the CBJ. The goal is to identify wetlands at a planning scale of information and involves determining size, boundary and type of wetlands. Assessing wetlands for MSB involves developing their own functional assessment methodology. Lastly, implementing conservation and protection efforts includes the input of an advisory committee for avoiding, minimizing or compensating impacts onsite, participating in an in-lieu fee program, and creating wetland banks.

These goals of MSB's wetland management provide a regional example to CBJ of how the JWMP can be used as a planning and educational tool. CBJ has many advantages due to the size of the borough and their accessibility and agreement to use a Southeast Alaskan wetland assessment tool, WESPAK-SE. The recent mapping produced in this update should not limit CBJ's ability to acquire updated wetland and habitat mapping in the future. The current mapping and assessments provide a snapshot of the landscape and, with a dynamically changing environment, should continue to be updated in future efforts. The mapping and WESPAK-SE assessments allows for informed decision-making for wetland conservation and protection, and regulation. The Corps of Engineers has expressed its support of the WESPAK-SE tool and CBJ has seen potential for its use in growth management planning.

There are many incentives for using the JWMP update as an education and planning tool only. One is that the plan is a useful tool to all stakeholders as a source for best available science. As a best available science document, the JWMP plays a valuable role in planning for future development by all entities involved in wetland management. The JWMP therefore is least influenced by political pressures, yet serves as a tool for future planning regarding community and borough priorities and values. In this option, wetland categories (such as A, B, C, D or High, Moderate, Low) are not necessary to complete the JWMP update. If so desired, the public process of creating categories from WESPAK-SE can be done as a next step to wetland management and land planning in Juneau.

There are some limitations to this option for JWMP update. Since the past JWMP has included enforceable policies and, until 2011, the administration of wetland fill permits for lower quality wetlands, using the JWMP only as best available science and not assigning any regulatory authority to its contents may be interpreted as a step backward in wetland management by some stakeholders. This option would maintain CBJ as a stakeholder and commenter on proposed wetland fill permits issued by the Corps and would not reinstate any authority over wetland permits. The only remaining authority with CBJ would be in the scenario of CBJ as an applicant or landowner for a proposed project. CBJ would then be able to act as more than a commenter of the project application and would be involved in other local codes that apply to

the proposed project. Applicants may have found clarity and consistency from the CBJ's past involvement in wetland permitting. This may be lost in relinquishing authority to the Corps for all types of wetland fill. However, with the previous update of the JWMP seven years ago, and the expiration of the general permits almost five years ago, the current situation has likely become familiar as the status quo.

Option 2: General Permit

This option would maintain, or reauthorize, the wetland management process described in the 2008 JWMP. In the 2008 JWMP a Plan Implementation section summarizes the approach the plan takes and is provided below. The language would match much of what is named below and in the existing JWMP or would be amended through the current update.

"On June 30, 1995, the Corps of Engineers issued General Permit 92-1 for wetlands that are classified as Category C, D, and EP in the Revised Juneau Wetlands Management Plan. On July 24, 2000, the Corps of Engineers issues four General Permits (2000-01, -02, -03 and -04) that replaced 92-1. On May 24, 2006, three of the General Permits (GP) were renewed: GP 2000-01, -02, -03. GP 2000-04 was not renewed due to lack of use. The General Permits authorize the discharge of fill material into wetlands, for the purpose of creating foundation pads for structures, utilities, associated roads, driveways, parking areas, and other domestic, governmental, and commercial development, as well as enhancement of certain environmental situations. These GPs authorize mechanized land clearing and other activities that could result in a re-deposition of fill material. Copies of both original and the new General Permits are included in Appendix II-F.

The Corps of Engineers has authorized the CBJ Wetlands Review Board to administer the General Permit through the permitting process outlined in this plan. The Board has the authority to issue wetland permits locally for the discharge of dredged or fill material in these lower value and enhancement wetlands (Category C, D and EP) for the purposes listed in the General Permit. The Board will issue permits in compliance with the enforceable policies of this plan and the specific and general conditions included in the General Permit.

For the Category C, D and EP wetlands, the CBJ has become a 'one-stop' wetlands permitting agency, greatly reducing permit processing time. No individual permit from the Corps of Engineers, consistency determination from the Alaska Department of Natural Resources, Office of Project Management and Permitting, nor individual water quality certification ("401 certification") from the Alaska Department of Environmental Conservation, is required for development in these wetlands. However, other local, State and federal permits may be needed for the project and it is the responsibility of the applicant to obtain all required permits.

For development proposals in Category A and B wetlands, and for any wetlands that are not within the Juneau Wetlands Management Plan study area or are not classified under the plan, a permit must still be obtained from the Corps of Engineers. The enforceable policies of the wetlands plan will be applied when those permit applications are reviewed by the Corps of Engineers."

The wetland categories mentioned in an earlier section of this chapter would need to be updated with the chosen categorization method. This option will require agreement between Corps and CBJ on what constitutes "lower" and "higher" functioning wetlands through the established categorization system.

A regional example of this method is the Anchorage Wetland Management Plan (AWMP, 2014). Anchorage currently has General Permits issued to the municipality for lower valued wetlands, just as Juneau used to have. Using General Permits in wetland regulation requires agreed upon wetland categories for the Corp and CBJ to then name which agency will be in charge of issuing wetland permits for each category of wetland. Since WESPAK-SE is a wetland assessment tool designed for the Southeast Alaska region, Anchorage has created it's own wetland assessment methodology, Anchorage Wetlands Assessment Methodology (AWAM) as well as a credit-debit method for mitigation, Anchorage Debit-Credit Method (ACDM). Anchorage wetland assessment methodology came up with three categories of wetland, A, B, and C. The Corp issued General Permits for Anchorage to administer wetland fill permits for category C wetlands.

The Federal Rule (33 CFR Part 332) on Compensatory Mitigation for Losses of Aquatic Resources issued April 10, 2008, establishes an order of preference for mitigation options, as follows: 1) mitigation banks, 2)in-lieu fee programs, 3)permittee-responsible mitigation, and furthermore establishes an order of preference to mitigation approaches: 1)restoration, 2) enhancement, 3)preservation (in certain circumstances). All mitigation types and approaches are specified to use a watershed approach and it recognizes and encourages accounting of "regional characteristics of aquatic resource types, functions and services." (332.1.e) The AWMP uses a watershed approach and accounts for regional characteristics in compliance

with the Federal Rule. It also established procedures to determine debits and credits for impacts/mitigation regardless of whether it's a mitigation bank, in-lieu fee program or permittee-responsible mitigation. The AWMP fits with a General Permit because it also identifies the higher functioning and lower functioning wetlands, allowing impacts to lower quality wetlands and offering more protection for the higher quality wetlands. While it discusses the Federal Rule, the AWMP does not emphasize the specifics of it, especially the order of preference of banks first, in-lieu fee programs second, and permittee-responsible approaches third.

It is important to note that the AWMP only acknowledges mitigation banking and in-lieu fee programs as tools for wetland preservation, when in fact the Federal Rule, as noted above, prioritizes mitigation banks and lists preservation as a last priority for mitigation type. The one bank the AWMP plan mentions is the Mat-Su bank which is primarily a preservation-only bank. For parts of Alaska, wetland restoration and enhancement opportunities have been difficult to find and successfully implement. Preservation has instead been the focus. The preservation-only approach, arguably does not meet the no-net-loss standard of the Clean Water Act (the foundation of the Federal Rule) because preservation does not restore or enhance wetland functions. Thus, when wetland impacts occur, no corresponding increase in function is provided to off-set the impact, only preservation of land already un-developed. While the AWMP generally is consistent with the Federal Rule approach, the lack of restoration and enhancement opportunities has made the mitigation approach focus mostly on preservation-only, which in the Federal Rule is the last approach in the order of preference.

Renewing and continuing to manage CBJ wetlands with general permits provides some incentives to consider. This method inherently directs future wetland impacts toward lower functioning wetlands as it keeps wetland permitting at the local level for lower category wetlands. For applicants applying to impact lower category wetlands, this process should provide some certainty in acquiring a wetland permit and expedite their permitting process at the local level. Using the general permit options for wetlands management could transfer wetland delineation and determination authority to CBJ in some cases and will be beneficial to CBJ's own development planning services.

Some drawbacks of this management option center around the need to renew the general permit every five years. The initial acquisition of the general permits and the renewal process requires Corps approval which may come with uncertainty and additional expenses. Once the general permits are approved, CBJ will need to have an established administrative and technical review for wetland impact assessment and mitigation. Additional updating of the CBJ code would also be necessary, which adds time and expenses to the process. CBJ would be required to write a new set of regulation or revise existing codes for the applicable wetlands, most likely incorporating a local political process, again adding time and cost.

Option 3: Local Code

This option involves the CBJ expanding current code for all wetlands of all categories within the borough and requires project applicants to adhere to CBJ code provisions (such as avoidance criteria and mitigation) while maintaining the Corps' administration of wetland fill permits. This example can be found in Washington and Oregon where local governments can adopt ordinances related to land use and critical area impacts. In Washington State, cities and counties are given this authority through the Growth Management Act (Chapter 36.70A RCW). Juneau is given this authority through the Alaska Coastal Management Program (ACMP) 11 AAC 110, 112, and 114. Critical areas regulated under local code can include geologically hazardous areas, frequently flooded areas, critical aquifer recharge areas, wetlands, and fish and wildlife habitat conservation areas.

Without a General Permit from the Corps, CBJ would not have primary control over issuing wetland permits and a Corps permit would still be required in all cases. However, similar to some of the code in place now, applicants would be required to submit an application to the CBJ that included approval of, or proof they are seeking, a wetland fill permit from the Corps. The application would also include reports along with their site plan such as, but not limited to, a habitat assessment, wetlands delineation report, wetland mitigation plan, and stormwater plan. There are many examples of this code language and application in Washington State and Oregon cities and counties.

In an attempt to find code from a similar landscape area of a municipality encompassing similar landscape characteristics and population size as Juneau, code was reviewed from City of Bellingham, Port Angeles, and City of Longview in Washington State. If this

option is chosen in the final draft of the JWMP, CBJ would analyze more code examples and templates for CBJs code update in accordance with the ACMP. There are restrictions in the ACMP in regard to local jurisdiction of wetlands that will need to be considered when developing local code for critical areas and their mitigation without a general permit from the Corps.

CBJ jurisdiction would not be limited to the wetlands mapped in the inventory completed between 2014-2015; instead, it would apply to all lands within CBJ, both public and private. Wetland mapping completed for the JWMP update would serve as a reference tool for general wetland locations, types, and extents within the CBJ. Site analysis for wetlands would still be required prior to site development; wetlands located by this analysis would require formal delineation, categorization, and subsequent local and federal regulation. In short, all wetlands in CBJ are designated in accordance with the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Alaska Region (Version 2.0), U.S. Army Corps of Engineers, 2007. Further steps would be to adopt wetland management policies and codes for the category of wetlands, mitigation standards, etc.

Local jurisdictions often adopt the Corps mitigation sequencing within their state, county, or municipal mitigation codes. Requiring wetland buffers of varying widths according to wetland category and proposed land-use intensity is another method that can be employed to further refine mitigation sequencing. Some jurisdictions define specific buffer mitigation ratios; others state allowed uses within wetland buffer areas or address variables such as buffer width averaging and reduction. Each local jurisdiction has the authority to develop and regulate buffers, or omit them. Similarly, CBJ has the opportunity in the JWMP update to refine wetland protection standards and subsequent mitigation requirements in ways that promote development in Juneau's unique environment without compromising the federal standard of no net loss of wetland area.

Incentives provided to CBJ by this option include: 1) CBJ retains an active role in local wetland management and mitigation requirements, 2) creates a favorable setting for private mitigation providers, 3) addresses public concerns regarding environmental conditions of the borough, and 4) has the potential to streamline wetland impacts permitting and subsequent compensatory mitigation through a local (rather than regional) lead agency review process.

Drawbacks of this approach include the possibility of initial inefficiencies regarding code adoption. As mentioned above, resources and examples from other jurisdictions in other states may prove to be useful as templates or general guidelines, but these examples notwithstanding, any new codification process would most likely be time consuming. Ultimately, adopting local code creates a more refined regulatory process. This could be interpreted as an incentive for protecting public environmental interests, as well as a drawback for developers (local and non-local) for whom additional regulatory processes would result in longer time commitments for project approval and potential duplication of efforts when requesting permits from both CBJ and the Corps.

5.5 Summary

The implementation strategy for the JWMP 2016 update is an important decision that will shape future wetland management in Juneau. Three options have been proposed in this chapter for the consideration of CBJ staff, Planning Commission, Wetland Review Board, and Assembly Members. These three options do not represent the only options available to CBJ, and they do not have to act as stand-alone scenarios. Portions of one option can be incorporated with others where necessary. In summary, the three options are:

1) Planning and Educational Tool Only
2) General Permit
3) Local Code

Local and regional examples of each type of management have been provided as guidance for decisions that shape the JWMP update and its contents. This background information and scenario presentation has been provided in the draft JWMP report to further inform decisions for the final JWMP and future wetland management in CBJ.

6.0 LITERATURE CITED

Adamus Resource Assessment, Inc. 1987a. *Juneau Wetlands Functions and Values. Report to Community Development Department, City and Borough of Juneau, AK.*

Adamus Resource Assessment, Inc. 1987b. *Juneau Wetlands Map Appendix.* Community Development Department, City and Borough of Juneau, AK.

Adamus Resource Assessment, Inc. 1987c. Juneau Wetlands: Rapid Assessment Method for Southeast Alaska. Report to Community Development Department, City and Borough of Juneau, AK.

Adamus, P.R. 2012. Wetland Ecosystem Services Protocol for Southeast Alaska (WESPAK-SE). Report and software for the Southeast Alaska Land Trust and US Fish & Wildlife Service, Juneau, AK. *http://people.oregonstate.edu/~adamusp/Alaska/WESPAK_SE/*

Adamus, P.R. 2013. A Short Guide to Using WESPAK-SE for Wetland Function Assessments. For Community Development Department, City-Borough of Juneau, AK.

Alaska Department of Environmental Conservation Division of Water. Alaska's Wetlands. Accessed August 2015. *http://dec.alaska.gov/Water/wwdp/wetlands/index.htm*

Anchorage Debit-Credit Method, Heather Dean, April 2011.

Anchorage Wetlands Management Plan, Physical Planning Division, March 2014.

Bosworth, Carstensen & Pohl, 2014a *2014 Field Plan: JWMPU*. May, 2014. A pdf on file with CBJ, entitled *bosworthfieldplan2014.pdf*.

Bosworth, Carstensen & Pohl, 2014b *Watershed mapping*, July, 2014. A pdf on file with CBJ, entitled *subshedmapping.pdf*.

Bosworth, Carstensen & Pohl, 2014c *ArcMap for Office Forms*. A pdf available from the author,s entitled *arcforofficeforms0903.pdf*.

Camery, T. Memorandum to Community Development Department Director. City and Borough of Juneau. 12 August 2009.

Camery, T. Memorandum to Community Development Department Director. City and Borough of Juneau. 12 August 2009.

City and Borough of Juneau. Juneau Permit Center. Accessed August 2015. *http://www.juneau.org/cddftp/PermitMatrix.php*

City of Bellingham Municipal Code. Chapter 16.55 Critical Areas. Accessed August 2015. *http://www.codepublishing.com/WA/Bellingham/?Bellingham10/Bellingham1024.html*

Community Development Department (CDD). 1992. Juneau Wetlands Management Plan. City and Borough of Juneau, AK.

Community Development Department. 1997. Juneau Wetlands Management Plan. City and Borough of Juneau, AK.

Comprehensive Plan of the City and Borough of Juneau, Community Development Department, November 2013.
U.S. Army Corps of Engineers Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

HDR Alaska, Inc. Matanuska-Susitna Borough Wetlands Management Plan. March 2012.

Juneau Wetlands Management Plan, City and Borough of Juneau Community Development Department, February 1997.

Juneau Wetlands Management Plan, City and Borough of Juneau Community Development Department, February 2008.

Northern Alaska Environmental Center. Alaska Coastal Management Program. Accessed August 2015. *http://northern.org/programs/clean-water-mines/clean-water-and-wilderness-protection/alaska-coastal-management-program*

Port Angeles Municipal Code. Chapter 15.24 Wetlands Protection. Accessed August 2015. https://www.municode.com/library/wa/port_angeles/codes/code_of_ordinances?nodeId=TIT15EN_CH15.24WEPR

Southeast Alaska Land Trust. Accessed September 2015. http://southeastalaskalandtrust.org/about/

U.S. Army Corps of Engineers. 2007. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Alaska Region (Version 2.0). U.S. Army Corps of Engineers, Anchorage, AK.

U.S. Army Corps of Engineers Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

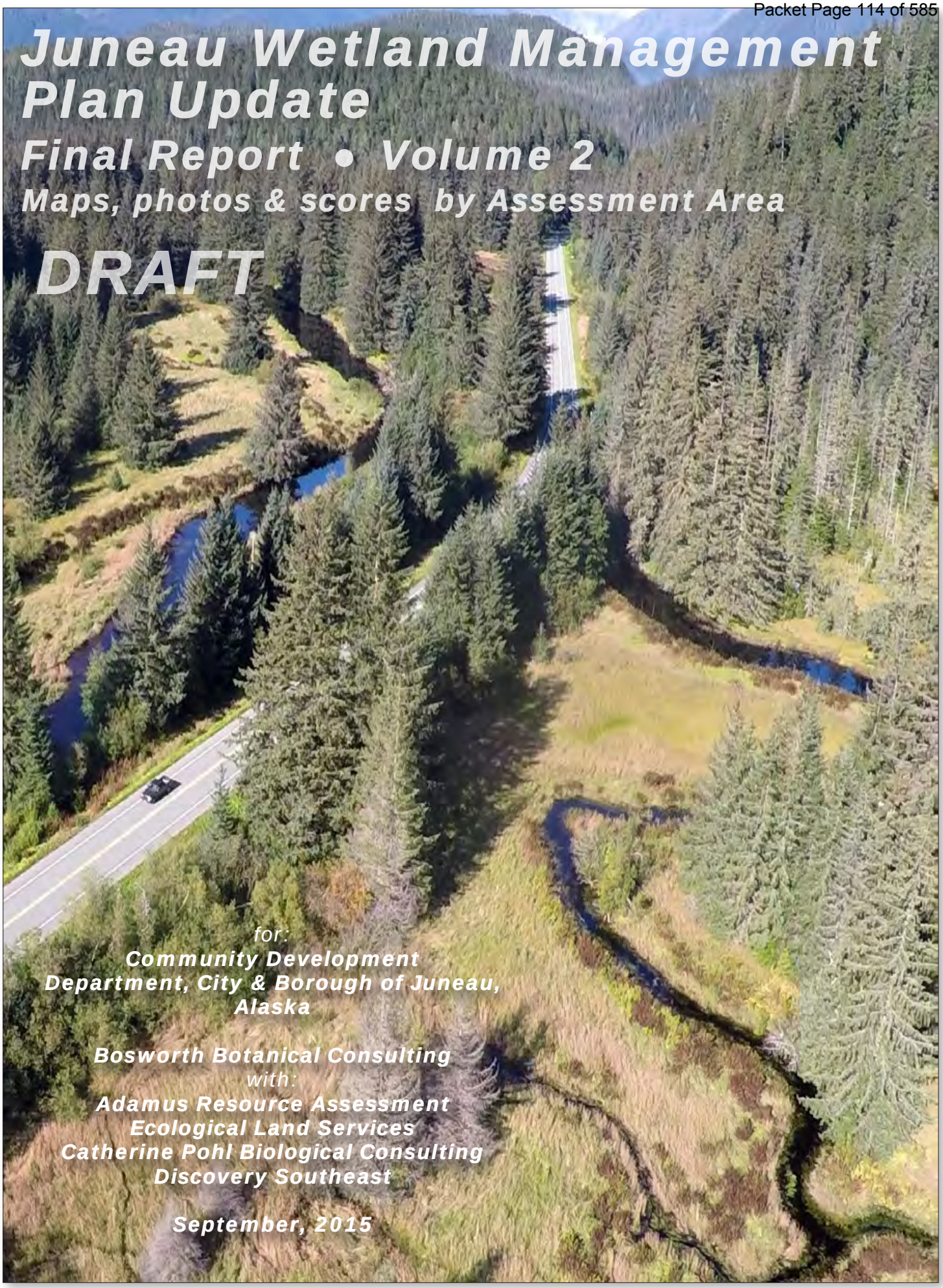
Whatcom County Code. Chapter 16.16 Critical Areas. Accessed August 2015. http://www.codepublishing.com/wa/whatcomcounty/

Juneau Wetland Management Plan Update

Final Report • Volume 2

Maps, photos & scores by Assessment Area

DRAFT



for:
Community Development Department, City & Borough of Juneau, Alaska

Bosworth Botanical Consulting
with:
Adamus Resource Assessment
Ecological Land Services
Catherine Pohl Biological Consulting
Discovery Southeast

September, 2015

CONTENTS

NT D CT N T ME

C E AA N N T DA ET AND

EC N T

E N T

N T

A N T

N N T

N T

C N T

ND N T

N T

D N T

C E AA T DA ET AND

C E AA TE MA N

Cover: View northwest over Peterson Creek parkland to Amalga Harbor, September, 2015. Eagle River delta in left distance. We assessed forested and floodplain wetlands, fen/marsh, and uplifted wetlands in this area.

This contract was funded by the Coastal Impact Assistance Program through the Alaska Dept of Commerce, Community and Economic Development as part of Grant #10-CIAP- 0009, "Habitat Mapping and Analysis Project."

1.0 INTRODUCTION TO VOLUME 2

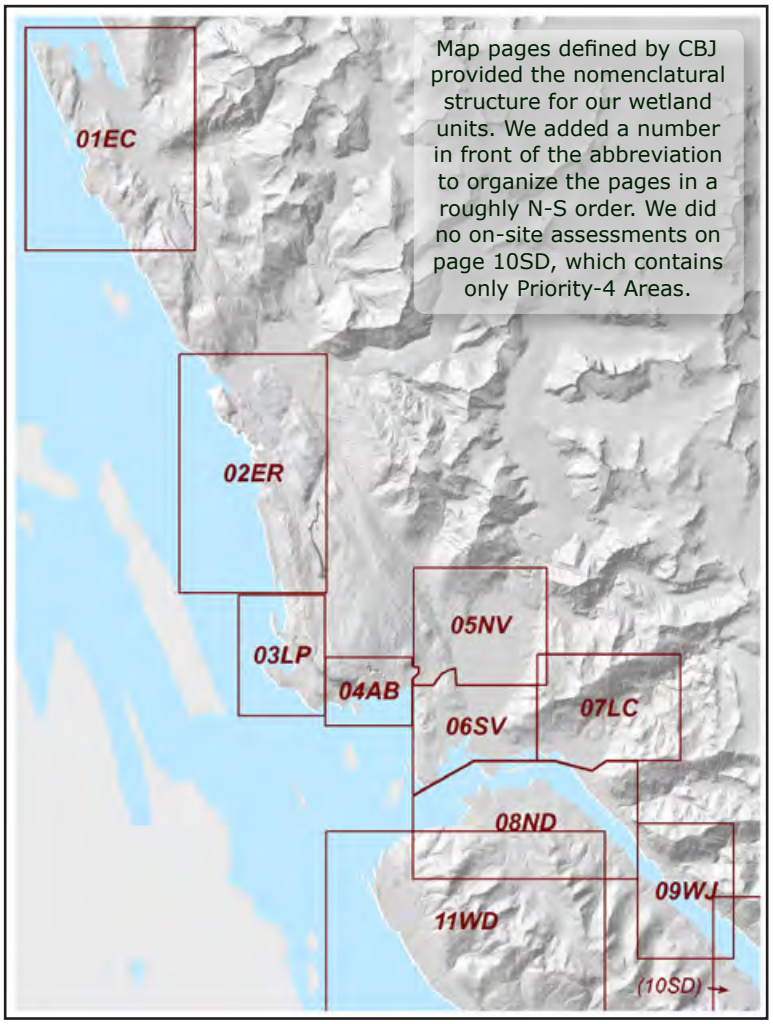
Volume 1 of the Juneau Wetlands Management Plan Update provides an overview of the project, including methods, summary tables, study highlights, and implementation plan. In Volume 2, we give detailed scores, maps and on-site photos for each Assessment Area (AA) unit.

Non-tidal AAs—the large majority of wetlands surveyed—are arranged in Section 2.0 by Map Page. These are subdivisions of the road-accessible CBJ. From north to south:

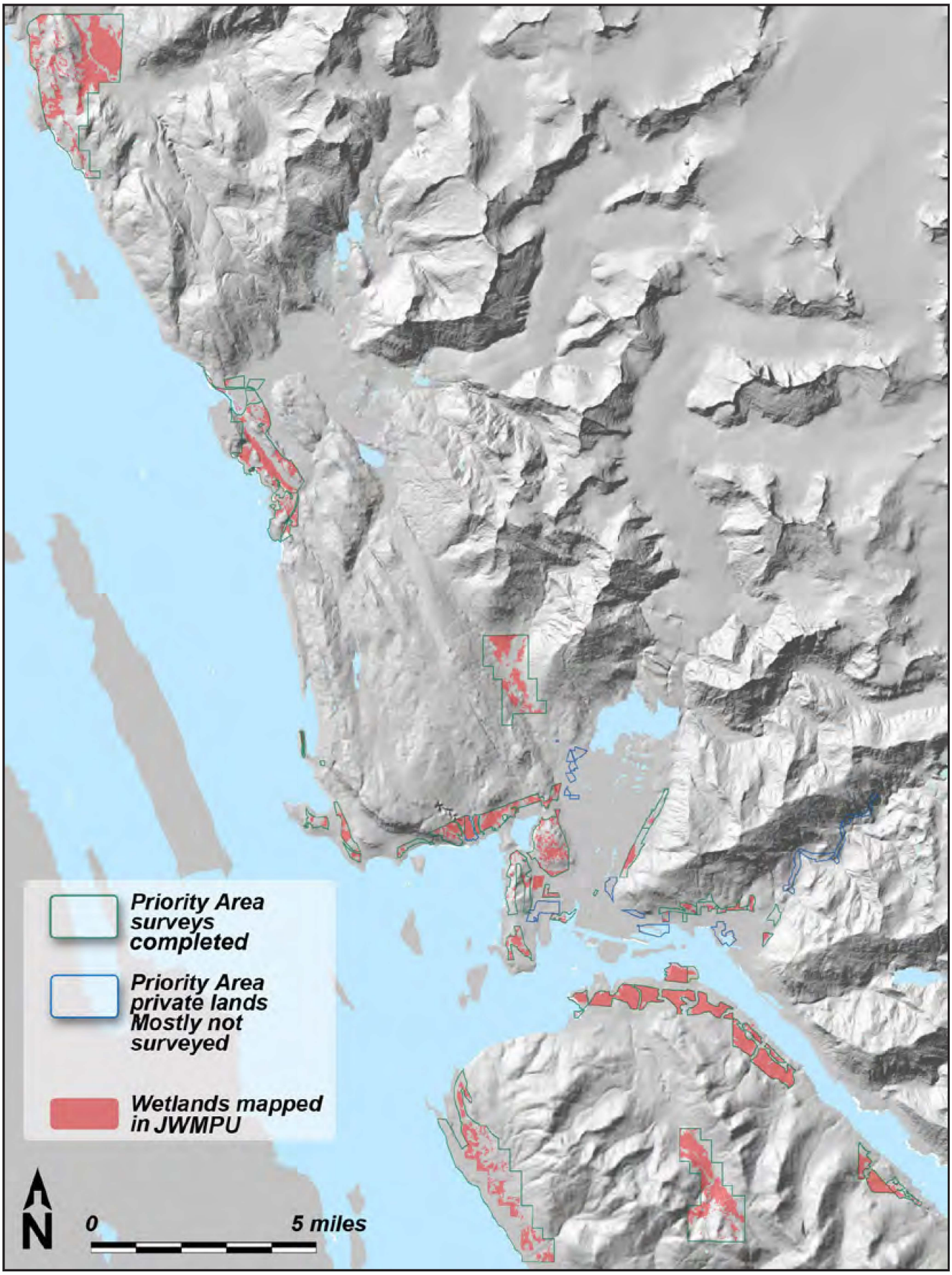
- Echo Cove (01EC)
- Eagle River (02ER)
- Lena Point (03LP)
- Auke Bay (04AB)
- North Valley (05NV)
- South Valley (06SV)
- Lemon Creek (07LC)
- North Douglas (08ND)
- West Juneau (09WJ)
- West Douglas (11WD)

Areas within CBJ's map page 10, South Douglas Island (10SD), were assigned lower priority for field efforts so were not included in the surveys. Off-site evaluations were conducted here, as described in Section 4.0

Only a few tidal AAs were surveyed. These are described in Section 3.0



Notice to reviewers of the draft: In formating this version of the report some errors were noted in fish scores. These are highlighted in red font, below, and will be corrected in future drafts. At this late stage in draft submission, tables cannot be recalculated.


Priority Area surveys completed
Priority Area private lands Mostly not surveyed
Wetlands mapped in JWMPU
N
0
5 miles

2.0 SCORES BY AA: NON-TIDAL WETLANDS

The 332 non-tidal wetland AAs characterized in this section are presented roughly from north to south according to Map Page. The basis for separating the AA from other AAs is denoted by its wetland type, or WESPAK-SE classification, defined in the table on right).

Normalized scores for functions and values of the AA are shown in tables. A score of 10 indicates the AA is believed to have greater capacity to perform the function than the other 331 non-tidal AAs. A score of 0 indicates it's believed to have less capacity for performing the function than any of the other 331 non-tidal AAs (but tied scores are allowed).

For two functions—Anadromous Fish Habitat and Resident Fish Habitat—a score of 0 means the wetland does not provide that function, due to lack of fish access and known presence. However, for other functions, a score of 0 does not mean the function is literally absent from the AA —only that the AA scored lower than any other AA we surveyed. Scores have not been calibrated to actual measurements of functions because cost and time requirements of doing so are prohibitive.

For any function or value, if one score changes it can shift all the normalized scores of the others, as explained in Volume 1, Section 2.3.3.

In each AA's score table, the functions or other attributes are listed from highest-to-lowest function score. That way, readers can see for which functions each AA is likely to be most effective. A high number in the Value Score column indicates that, because of reasons such as where the AA is located, the function is likely to be valued more highly, currently or in the future.

Consistent with WESPAK-SE, no value scores are assigned to Carbon Sequestration or Organic Nutrient Export. Although those functions are important, their benefits are expressed globally or at a broad scale. It's difficult to assign value based on local factors.

[illegible]etland T[illegible]e	Definition
[illegible]	[illegible] open peatlands and fens. Not in active floodplain.
[illegible]	[illegible] stair-step pools with acidic, stained water. Some examples are flat bogs, floating bogs, [illegible]
[illegible]	[illegible]
[illegible] fl	At least once annually, surface water in a channel that flows through or adjoins the AA [illegible] than double. The increased width is due mainly to that channel inflow, not to hillslope [illegible]
[illegible]	[illegible]
Beaver Influenced [illegible]	A[illegible] wetlands are typically episodic, with periods of flood-induced tree mortality alternating [illegible]
T[illegible]d [illegible]	[illegible] woody plants. The level of surface water fluctuates every ~6 hours on a daily basis [illegible] *Leymus* [illegible] *Elymus mollis,* [illegible]

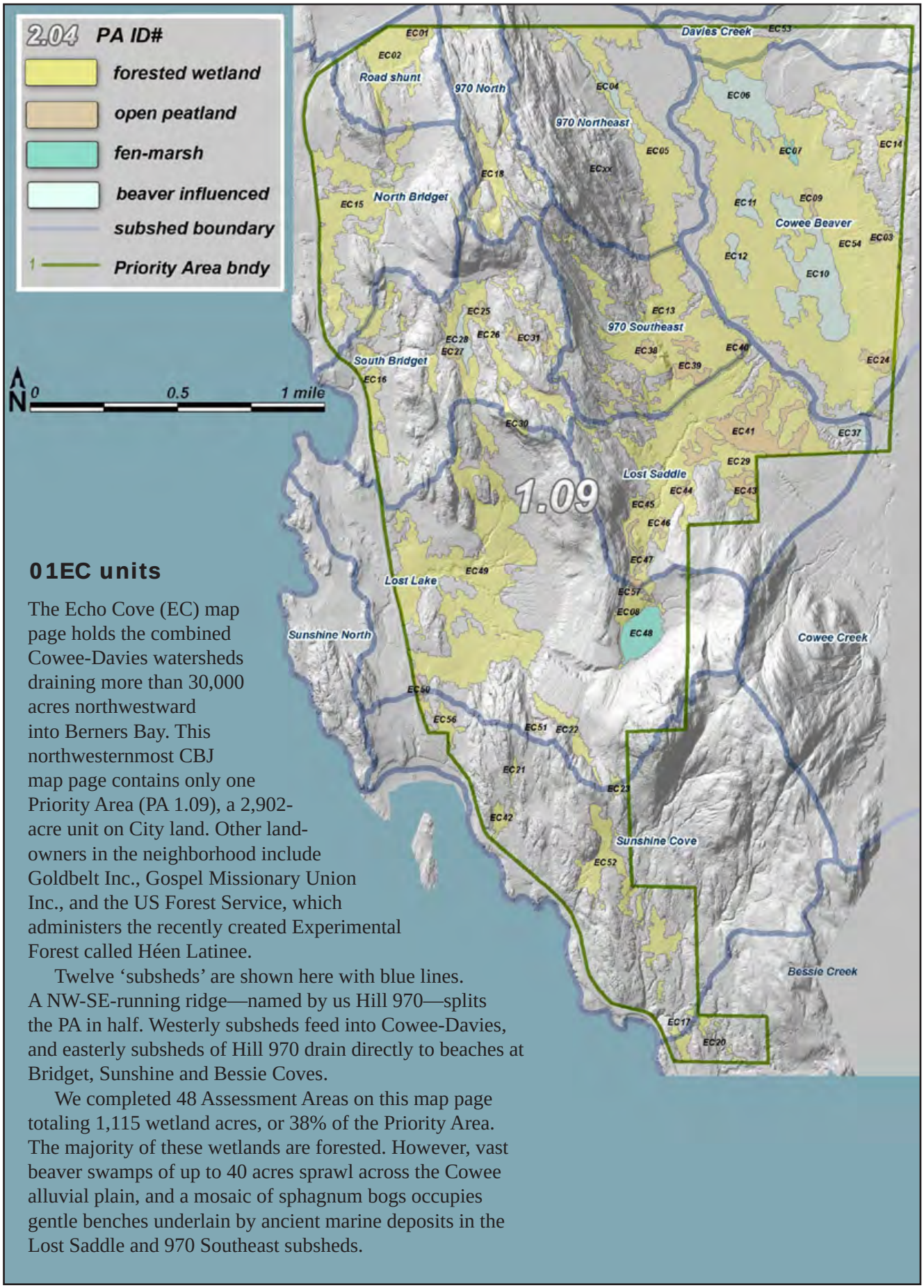
Definitions of wetland types used in this survey.

In the following AA bullet lists, for **boundary criteria**, rationales for separating the AA unit are given. Here they're listed in order from most to least frequently applied:

- **wetland-upland boundary (w-u)** The AA borders non-wetland habitat. These borders were all mapped in the field with GPS units capable of sub-meter resolution.
- **wetland type (type)** The AA borders another of a different wetland type. These borders were mapped from imagery, on computers using Geographic Information System software (ESRI ArcMap) with aerial photography and LiDAR-based vegetation height and terrain elevation data layers.
- **priority area (pa)** The AA continues to the edge of a Priority Area boundary (often beyond), which defines the aa boundary.
- **subshed (subsh)** The AA splits from another of like wetland type along a "subshed" boundary, as defined in Volume 1, Section 2.2.[1]

If AAs are more than 200 feet fromothers of like type, they're assigned different unit numbers.

1 Other unit-separation criteria were considered in the first phases of the project, but ultimately rejected: • **channel** The AA is separated from another of like type by a substantial (generally entrenched) stream or river. • **road** The AA is separated from another of like type by a road that alters surface water amount, frequency, or seasonal timing, or which due to lack of culverts, has the capacity to do so.



01EC units

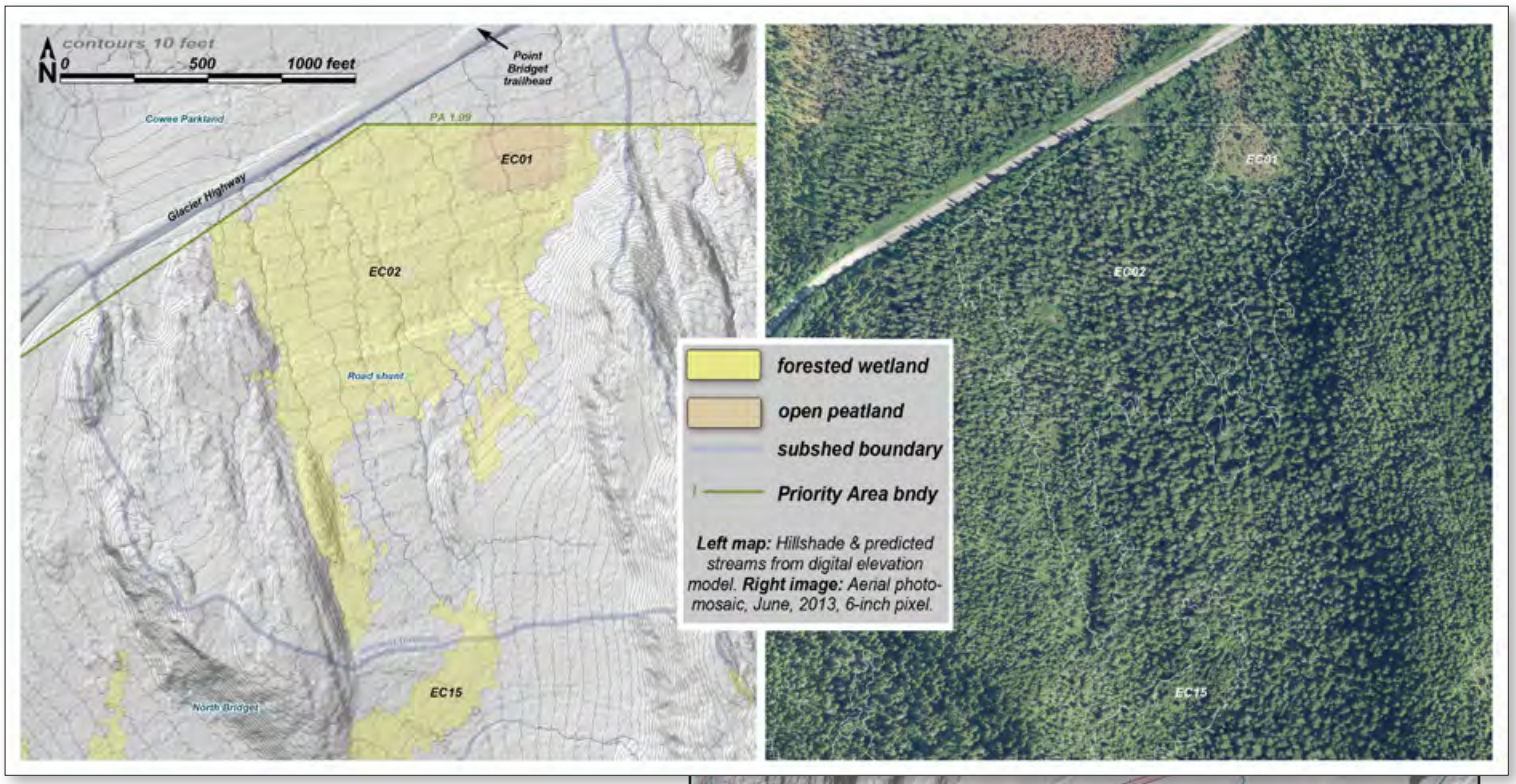
The Echo Cove (EC) map page holds the combined Cowee-Davies watersheds draining more than 30,000 acres northwestward into Berners Bay. This northwesternmost CBJ map page contains only one Priority Area (PA 1.09), a 2,902-acre unit on City land. Other land-owners in the neighborhood include Goldbelt Inc., Gospel Missionary Union Inc., and the US Forest Service, which administers the recently created Experimental Forest called Héen Latinee.

Twelve 'subsheds' are shown here with blue lines. A NW-SE-running ridge—named by us Hill 970—splits the PA in half. Westerly subsheds feed into Cowee-Davies, and easterly subsheds of Hill 970 drain directly to beaches at Bridget, Sunshine and Bessie Coves.

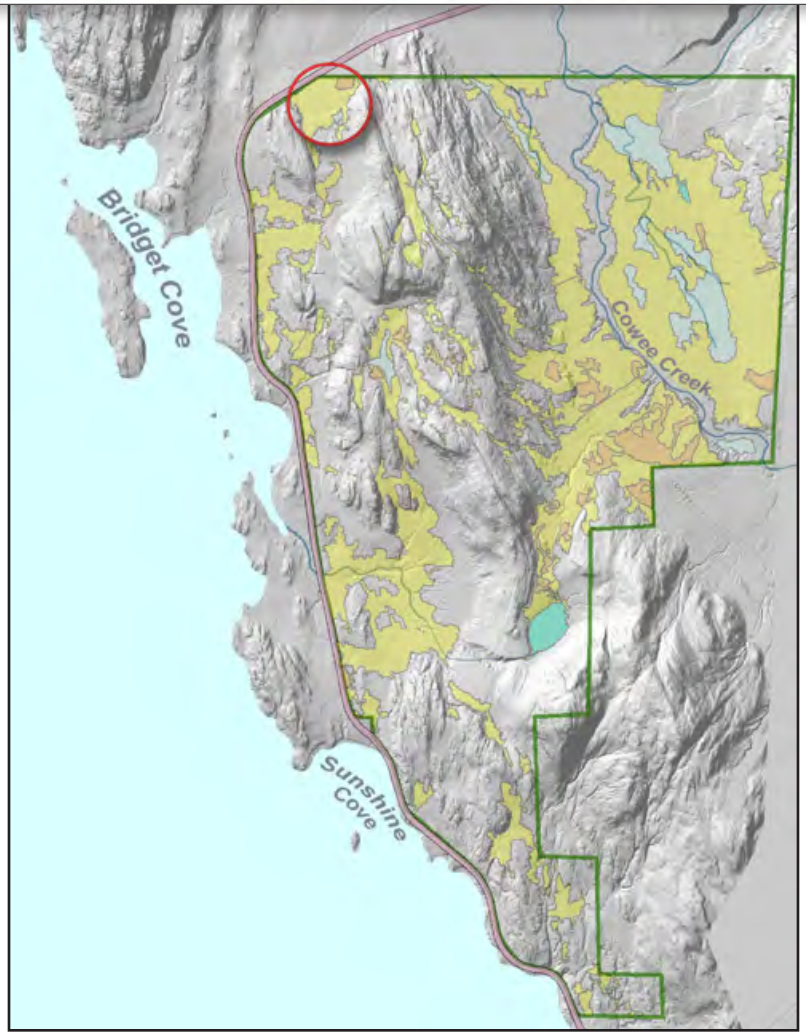
We completed 48 Assessment Areas on this map page totaling 1,115 wetland acres, or 38% of the Priority Area. The majority of these wetlands are forested. However, vast beaver swamps of up to 40 acres sprawl across the Cowee alluvial plain, and a mosaic of sphagnum bogs occupies gentle benches underlain by ancient marine deposits in the Lost Saddle and 970 Southeast subsheds.

EC01 • **type:** open peatland • **acres:** 1.9 • **boundary criteria**: type, pa • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]



Unit maps for EC01 & 02

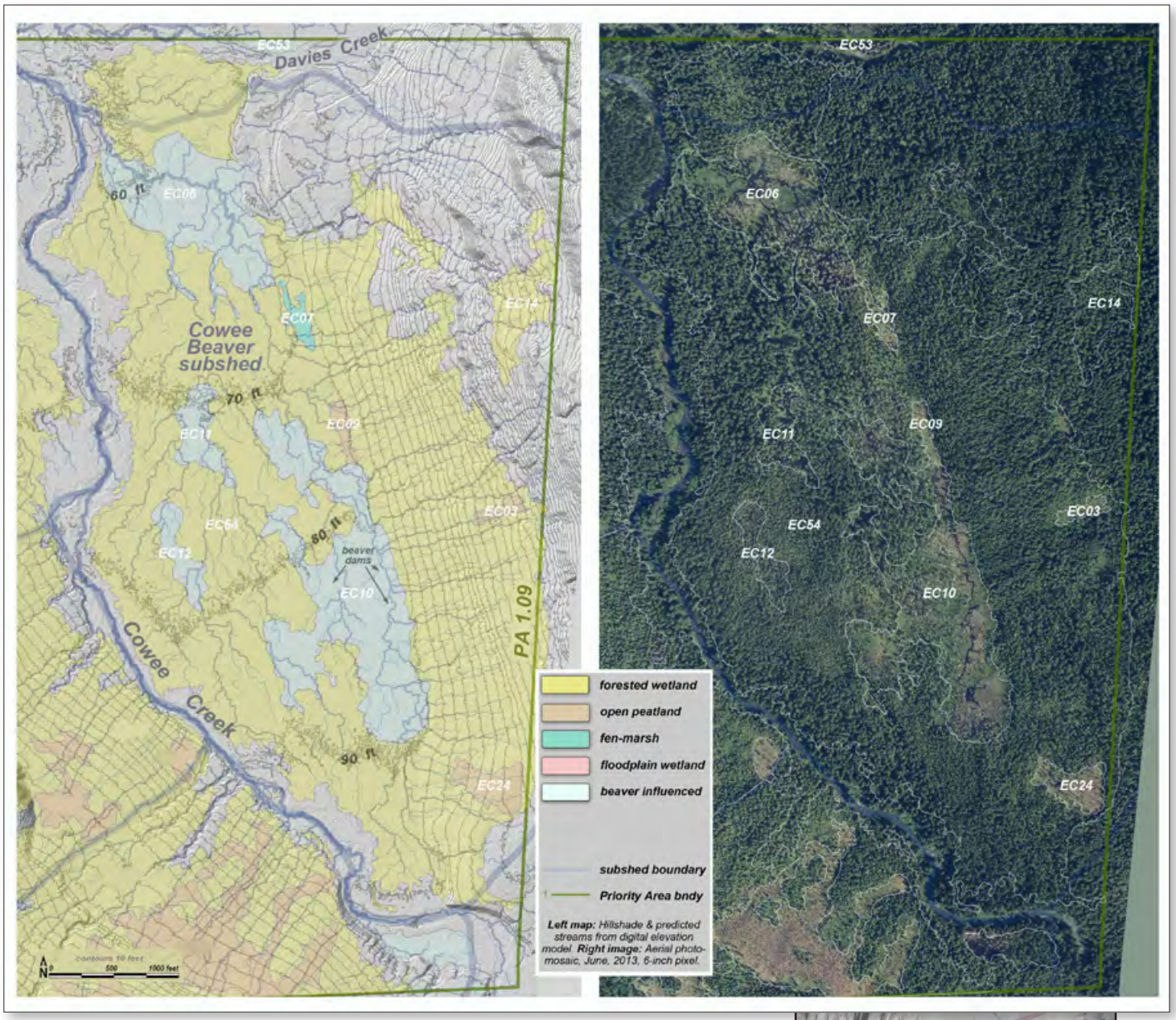


EC02 • **type:** forested peatland • **acres:** 27.0 • **boundary criteria**: w-u, type, pa • **pin**: 3B4501000010 • no known or probable anadromous fish

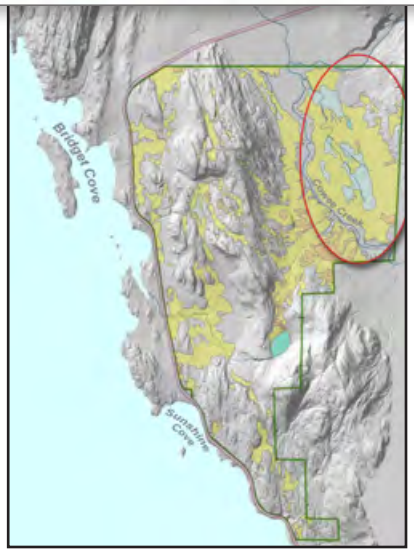
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EC03 • **type:** open peatland • **acres:** 1.1 • **boundary criteria**: type • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

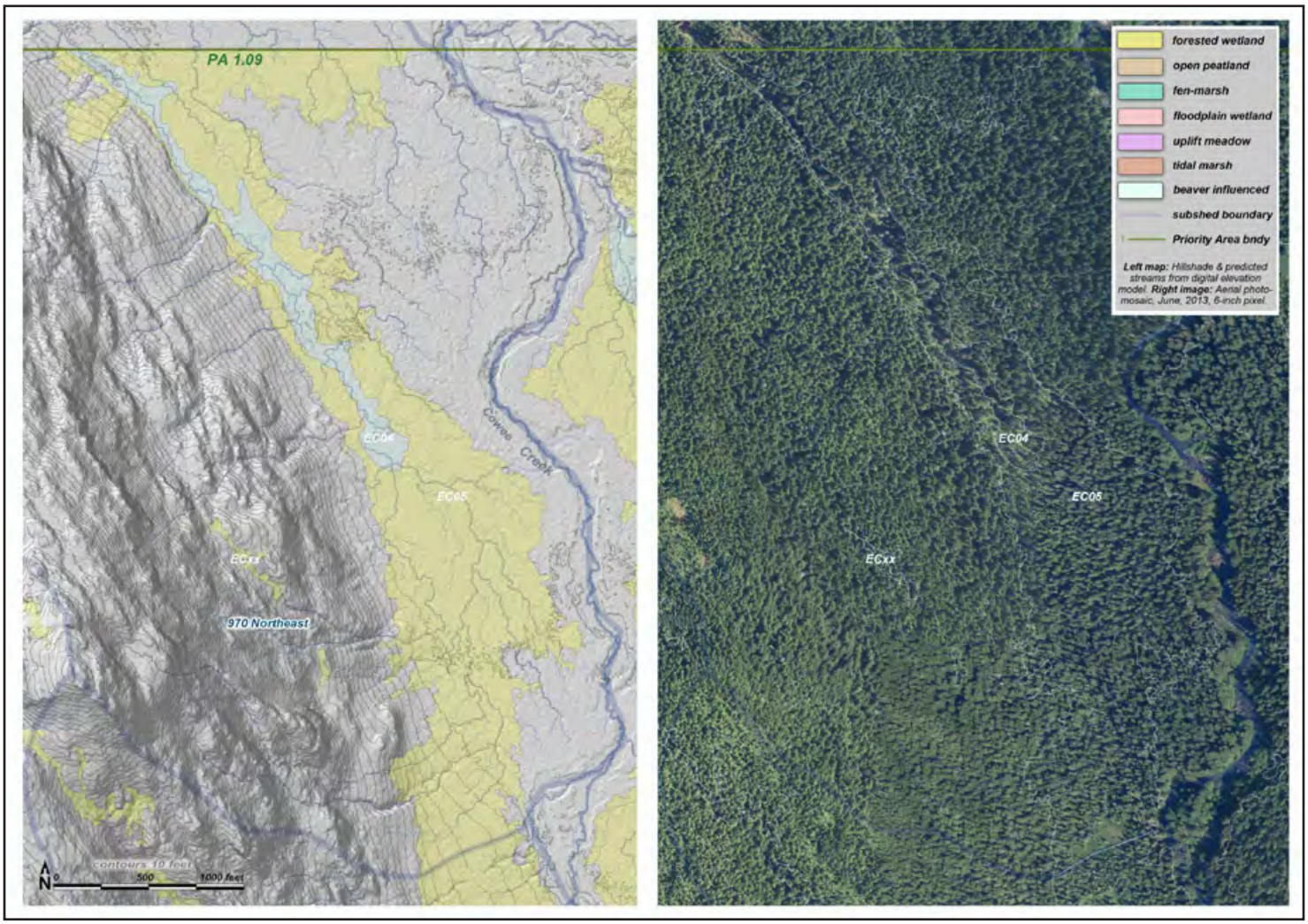


Unit maps for EC03 06 07 09 10 11 12 14 24 53 54

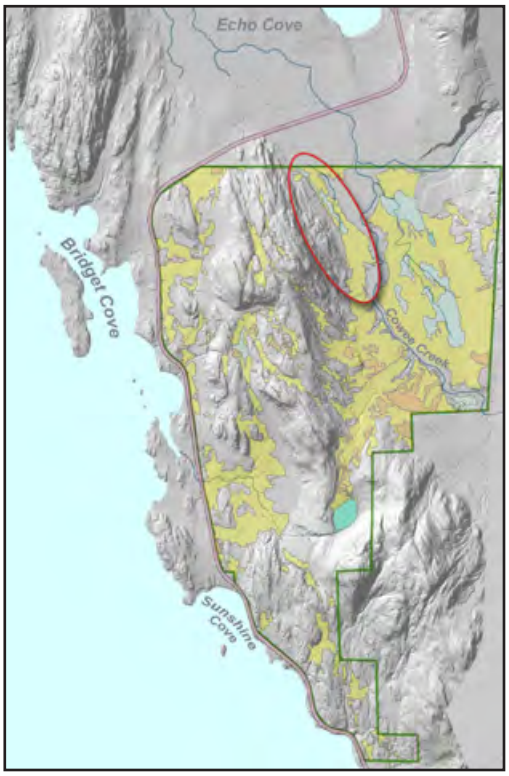


EC04 • **type:** beaver influenced • **acres:** 7.1 • **boundary criteria**: type, pa • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for EC04 & 05



EC05 • **type:** forested peatland • **acres:** 59.0 • **boundary criteria**: w-u, type, pa • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC06 • **type:** beaver influenced • **acres:** 23.4 • **boundary criteria**: w-u, type • **pin**: 3B4501000010 • known or probable anadromous fish

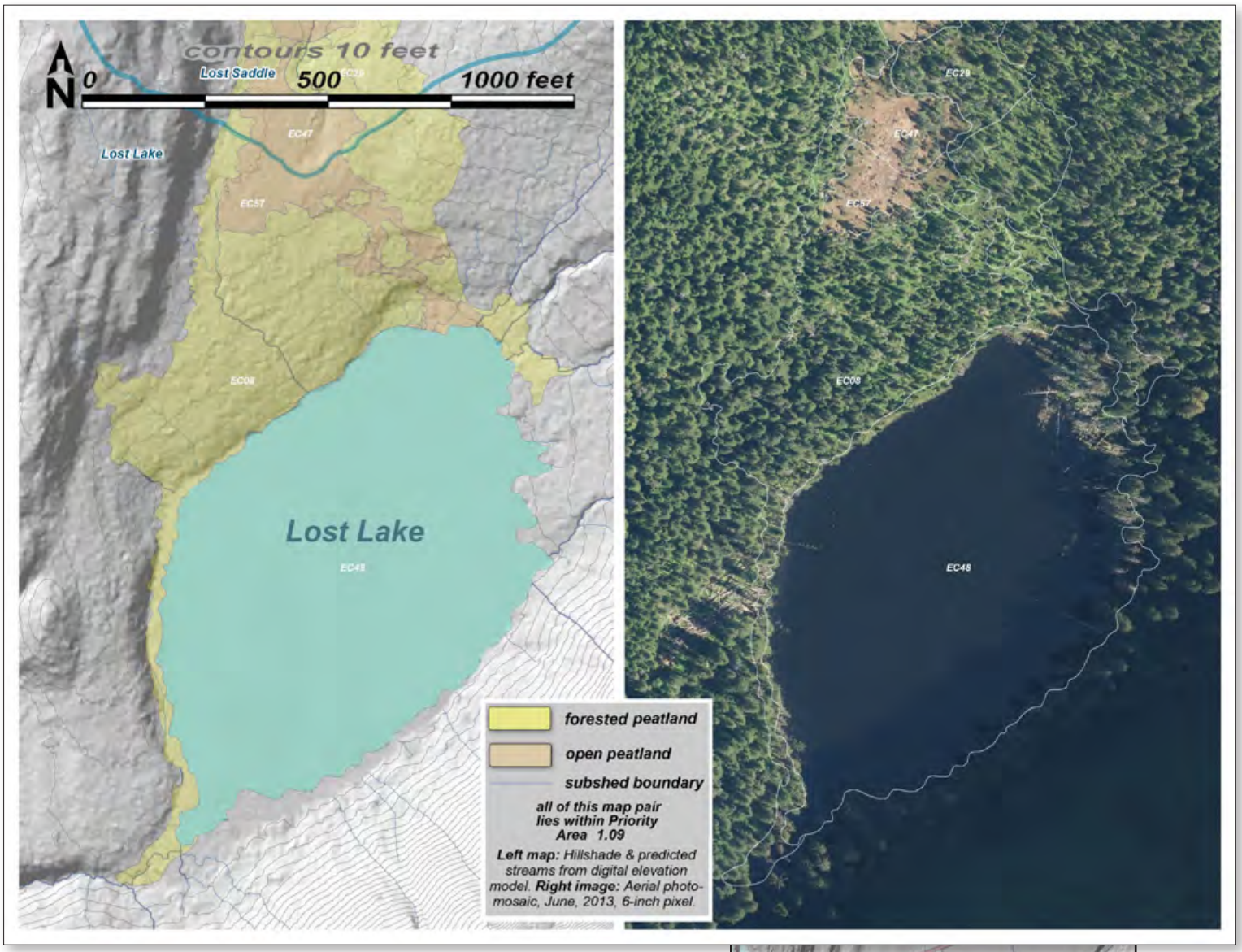
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]dr[illegible] [illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]d[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r[illegible]r[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r[illegible] [illegible] [illegible]r[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
A[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible]r[illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r[illegible]rd N[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d[illegible] [illegible] [illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r [illegible]r[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible]r [illegible]r[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible]r[illegible] N[illegible]r[illegible] E[illegible]r[illegible]	[illegible]	H[illegible]r	N/A[illegible]	N/A[illegible]
[illegible]rd[illegible]r[illegible] M[illegible] [illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r C[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
C[illegible]r[illegible] [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A[illegible]	N/A[illegible]
[illegible]r[illegible] [illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]d [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	H[illegible]r
[illegible]d E[illegible]C[illegible]d[illegible]	N/A[illegible]	N/A[illegible]	[illegible]	H[illegible]r
[illegible] [illegible] [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	H[illegible]r
[illegible]d [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	[illegible]r
[illegible]d [illegible]r[illegible]r[illegible]	N/A[illegible]	N/A[illegible]	[illegible]	[illegible]r

EC07 • **type:** fen/marsh • **acres:** 1.5 • **boundary criteria**: type • **pin**: 3B4501000010 • known or probable anadromous fish

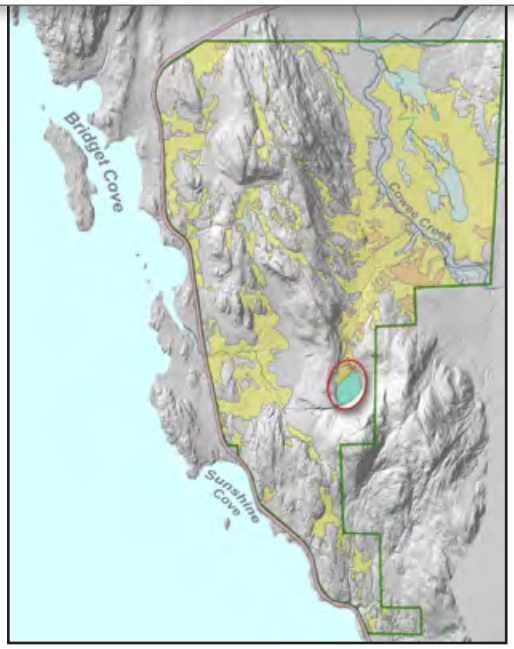
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC08 • **type:** forested peatland • **acres:** 7.4 • **boundary criteria**: w-u, type, subsh • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for EC08 48 57



EC09 • **type:** open peatland • **acres:** 1.3 • **boundary criteria**: type • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC10 • **type:** beaver influenced • **acres:** 40.0 • **boundary criteria**: type • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC11 • **type:** beaver influenced • **acres:** 4.6 • **boundary criteria**: type • **pin**: 3B4501000010 • known or probable anadromous fish

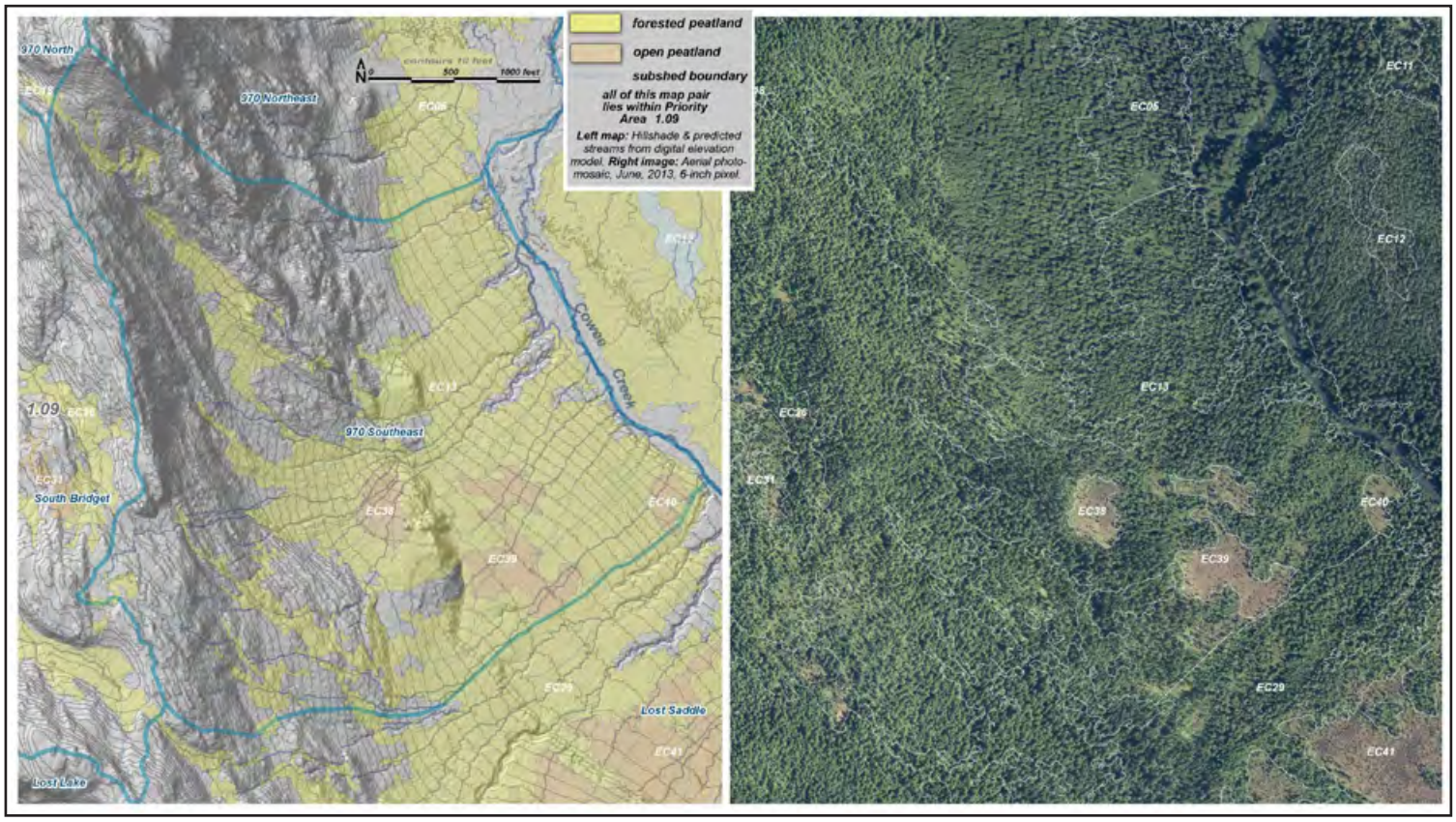
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EC12 • **type:** beaver influenced • **acres:** 3.7 • **boundary criteria**: type • **pin**: 3B4501000010 • known or probable anadromous fish

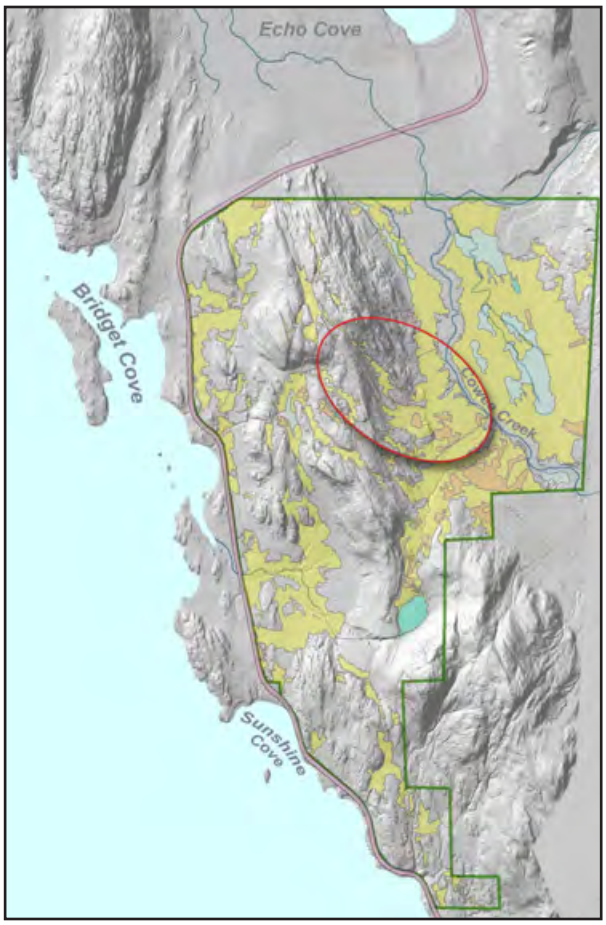
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	M[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]

EC13 • **type:** forested peatland • **acres:** 90.2 • **boundary criteria**: w-u, type, subshed • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	High	[illegible]	High
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	[illegible]	[illegible]
[illegible]	[illegible]	High	[illegible]	[illegible]
[illegible]	[illegible]	High	N/A	N/A
[illegible]	[illegible]	Moderate	[illegible]	High
[illegible]	[illegible]	Moderate	[illegible]	High
[illegible]	[illegible]	Moderate	[illegible]	Moderate
[illegible]	[illegible]	Moderate	[illegible]	Moderate
[illegible]	[illegible]	Moderate	[illegible]	Moderate
[illegible]	[illegible]	Moderate	[illegible]	Moderate
[illegible]	[illegible]	Moderate	[illegible]	[illegible]
[illegible]	[illegible]	Moderate	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Moderate
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	High
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for EC13, 38, 39, 40

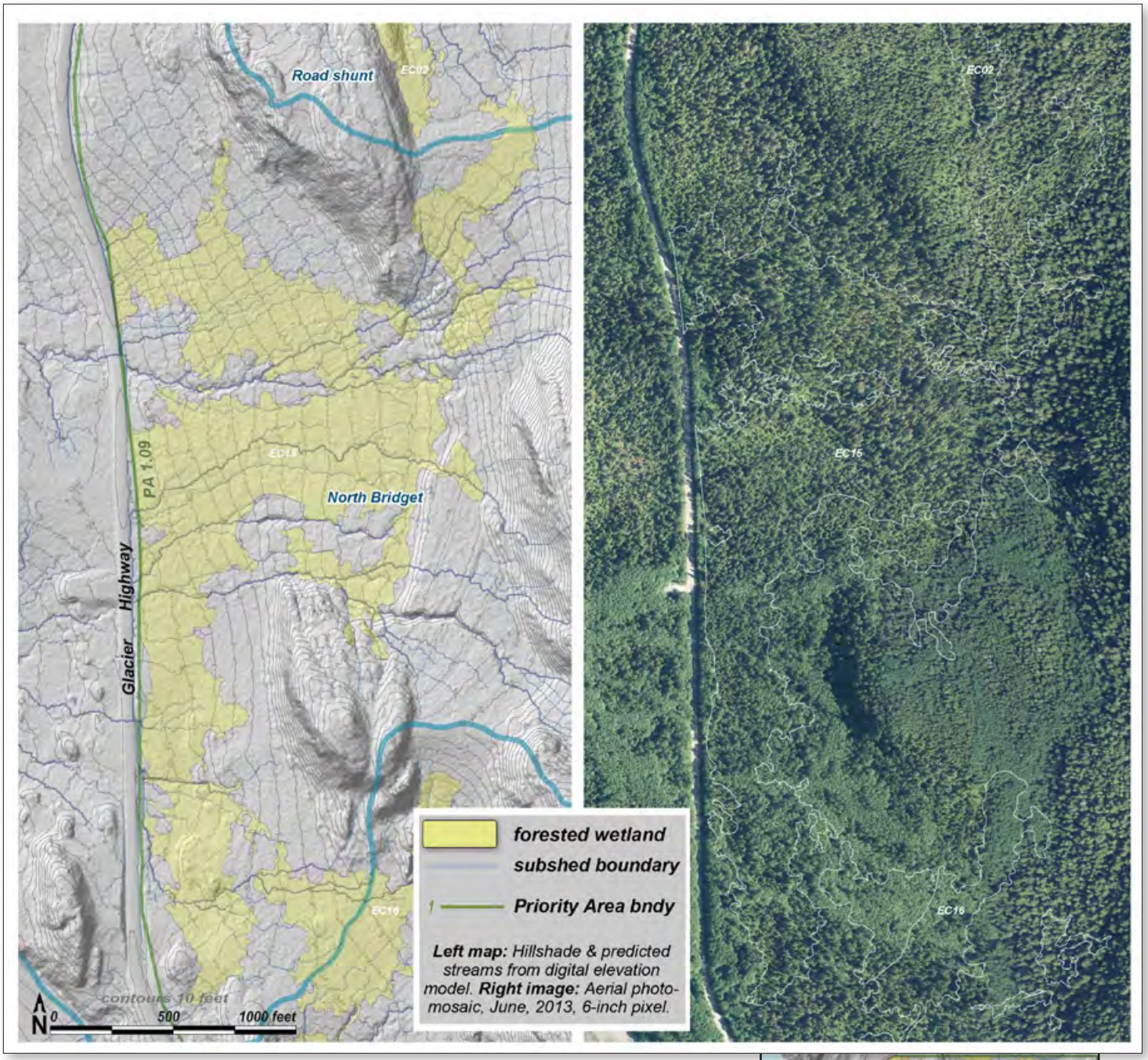


EC14 • **type:** for. peatl. • **acres:** 8.4 • **boundary criteria**: w-u, pa • **pin**: 3B4501000010 • no known or probable anadromous fish

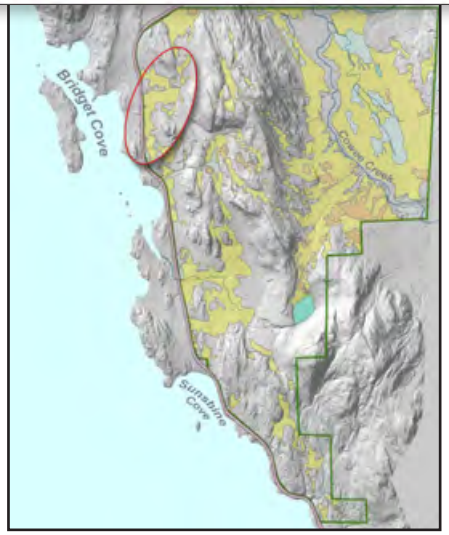
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC15 • **type:** forested peatland • **acres:** 55.0• **boundary criteria**: w-u, pa, subsh • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

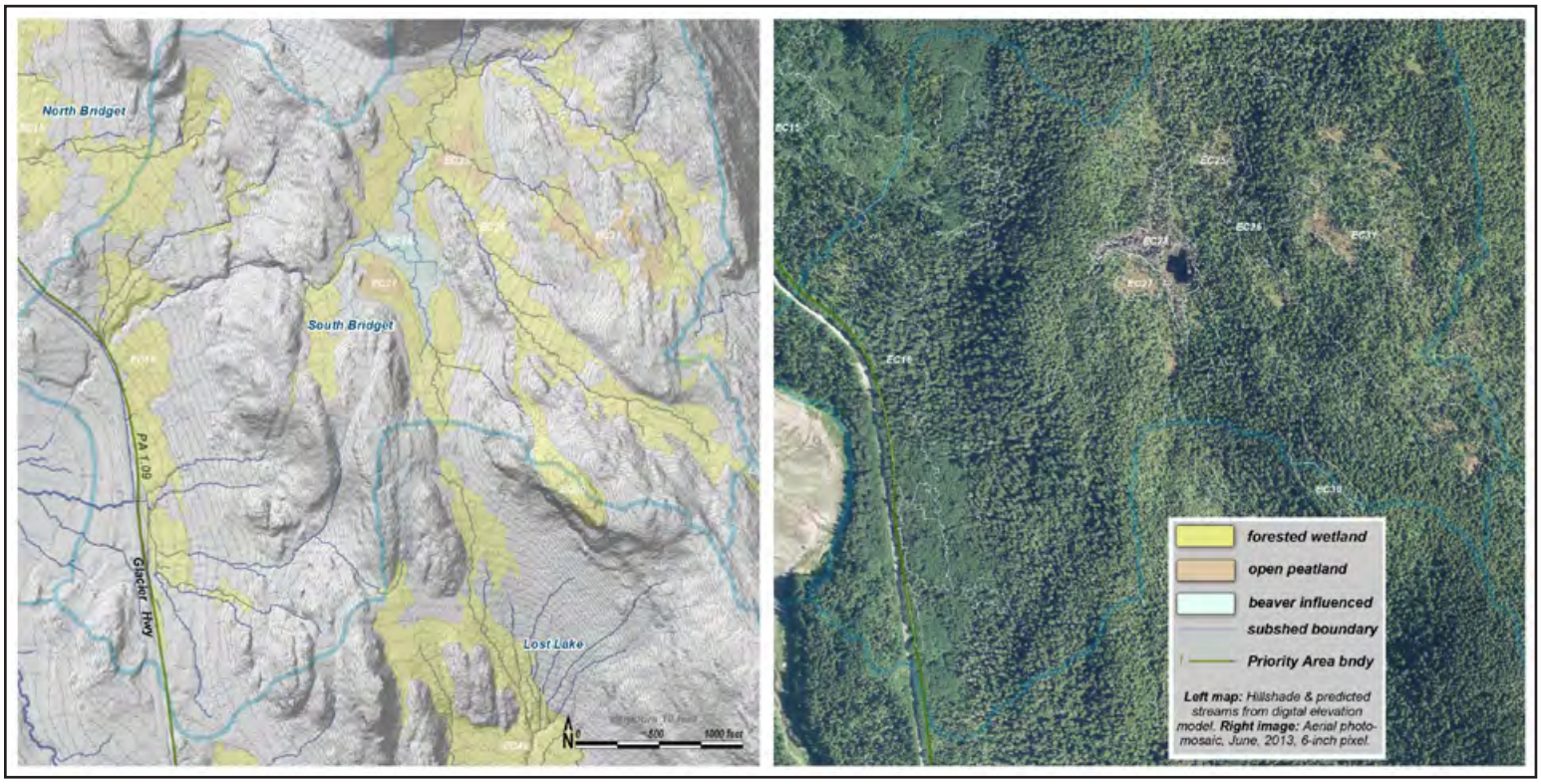


Unit map for EC15

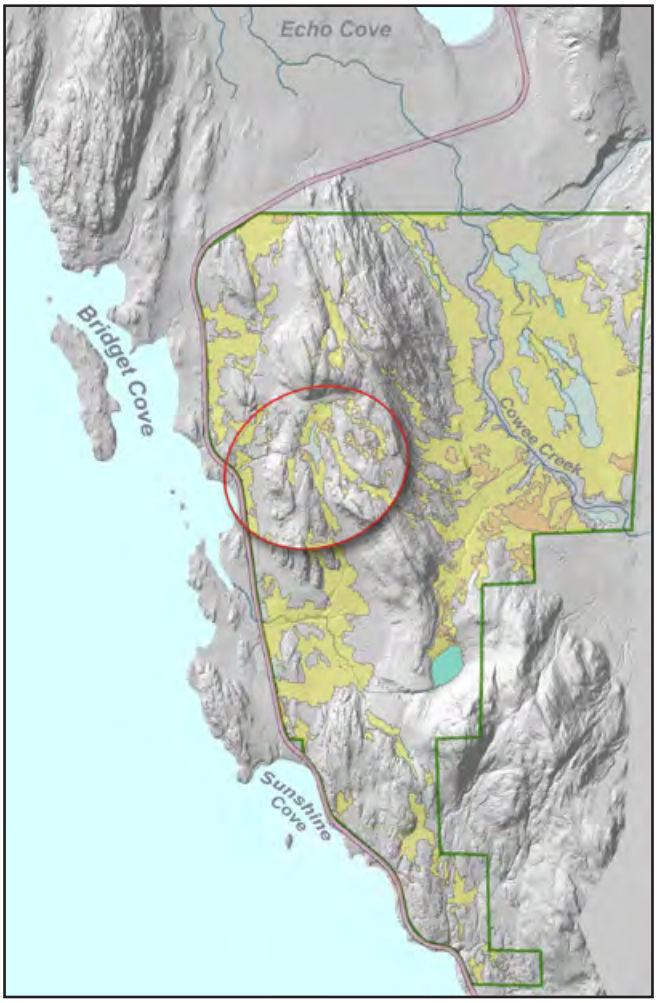


EC16 • **type:** forested peatland • **acres:** 20.3 • **boundary criteria**: w-u, pa, subsh • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

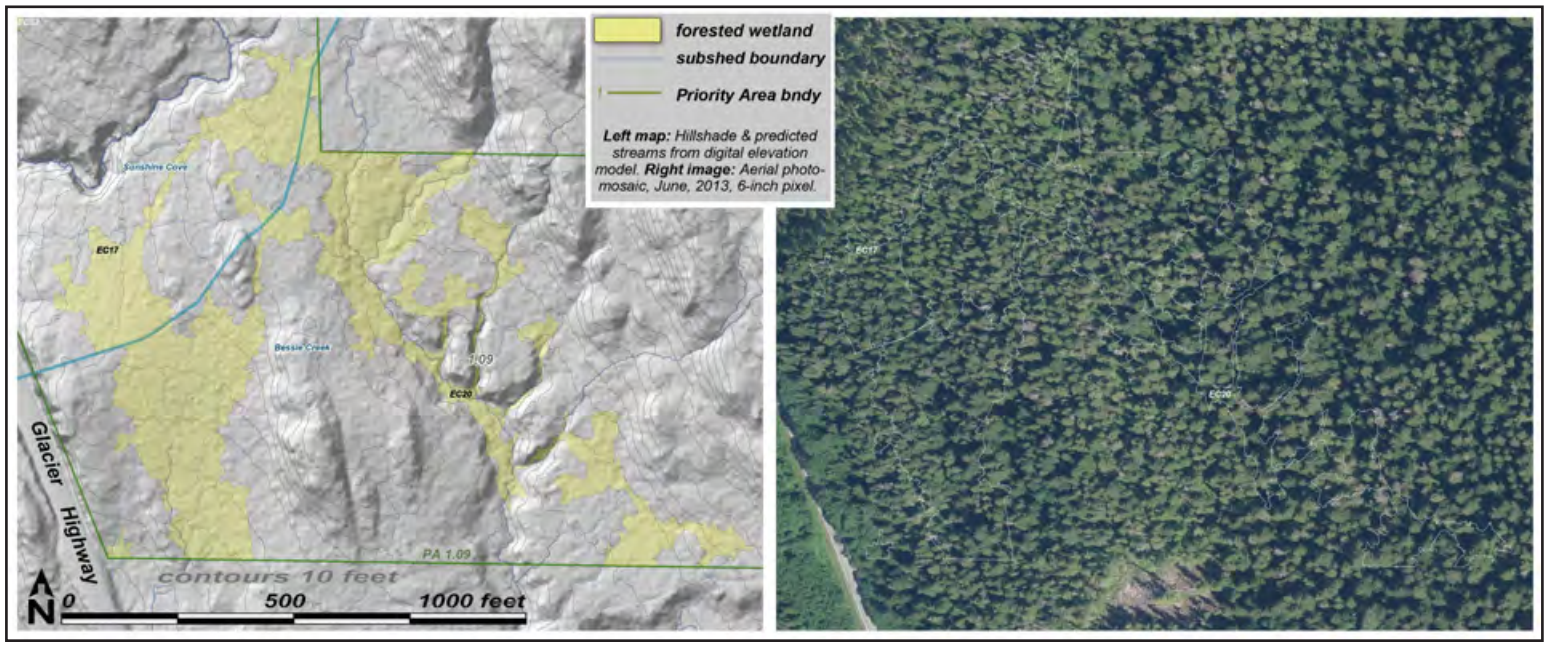


Unit maps for EC 16 25 26 27 28 31

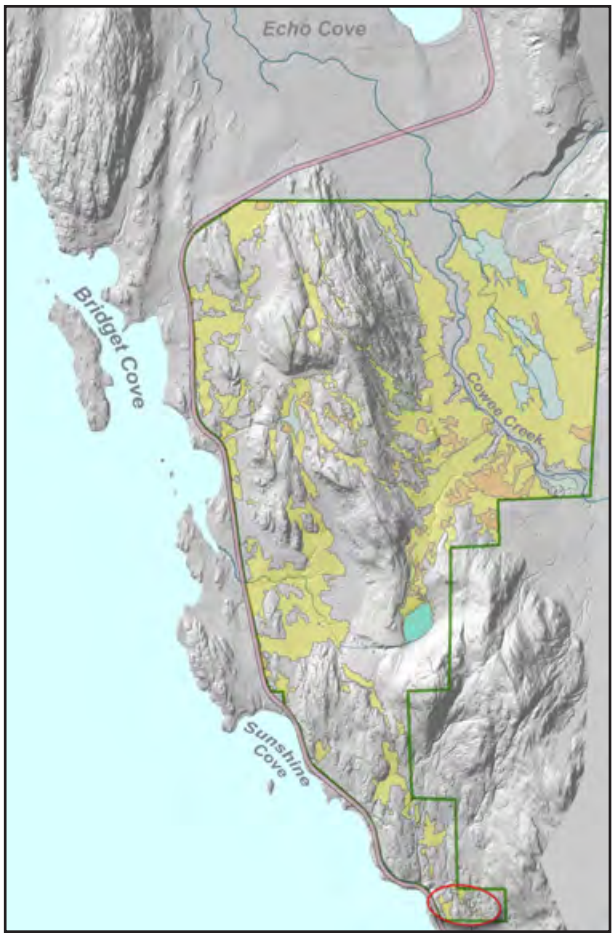


EC17 • **type:** for. peatland • **acres:** 1.8 • **boundary criteria**: w-u,subsh • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

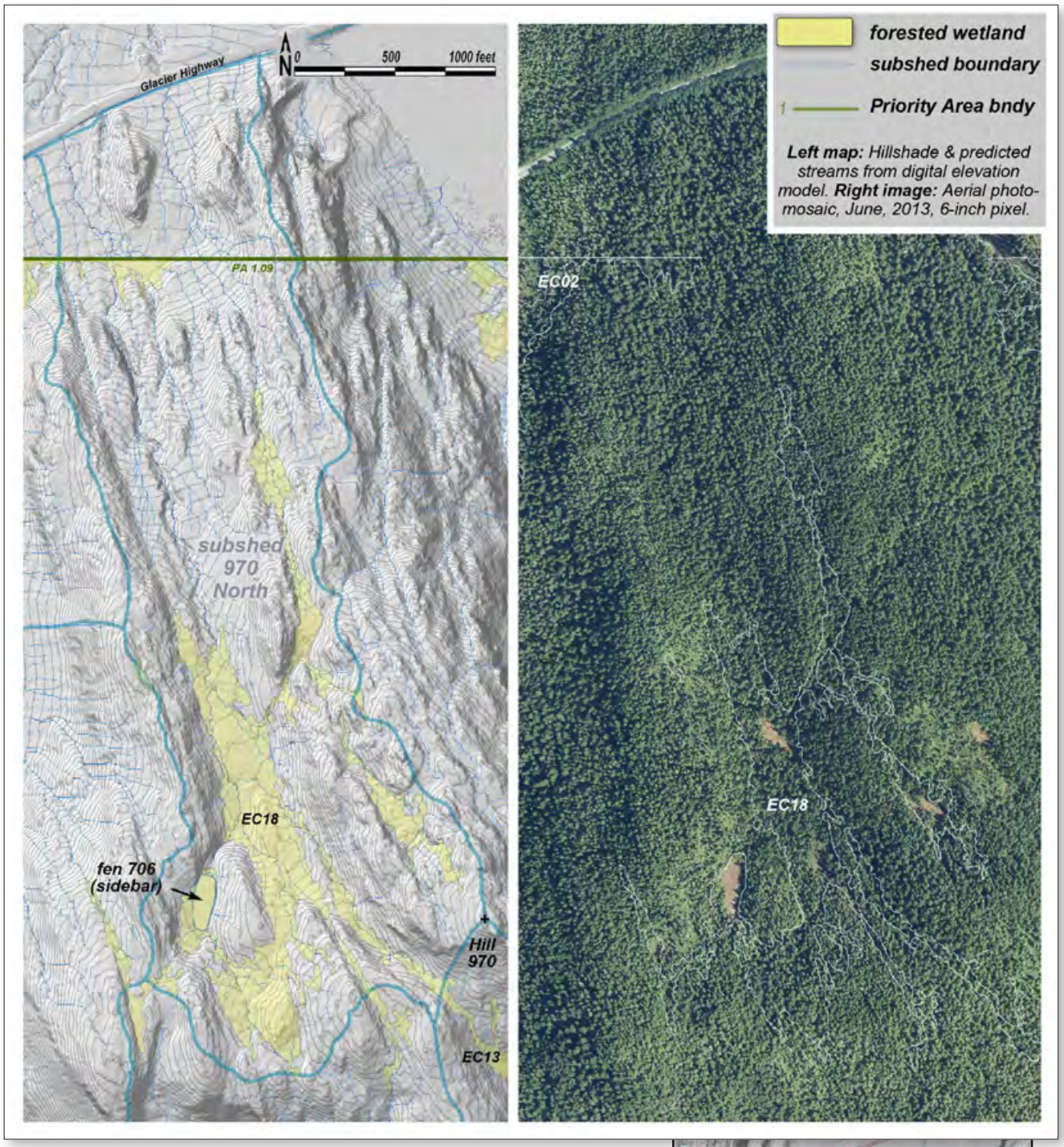


Unit maps for EC17 & 20

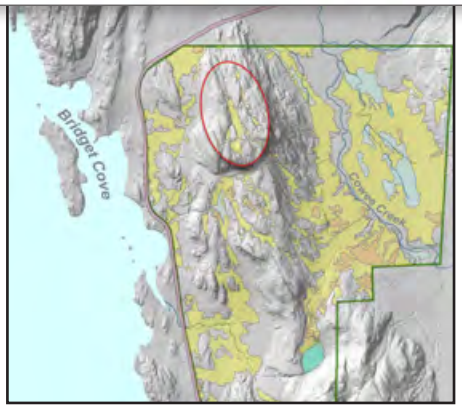


EC18 • **type:** forested peatland • **acres:** 22.8 • **boundary criteria**: w-u, subsh • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit map for EC18

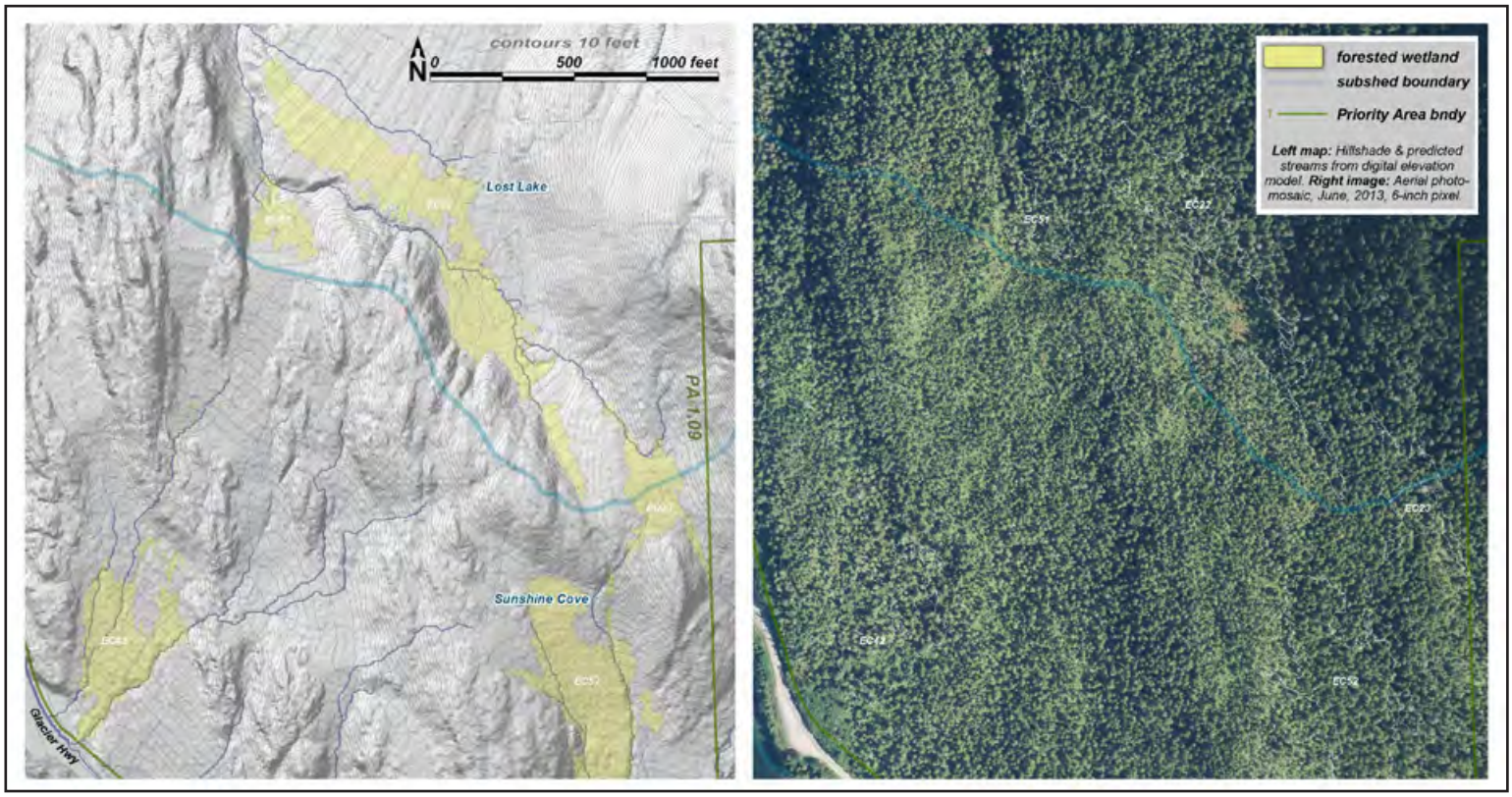


EC20 • **type:** for. peatland • **acres:** 6.2 • **boundary criteria**: w-u, subsh • **pin**: 3B4501000010 • no known or probable anadromous fish

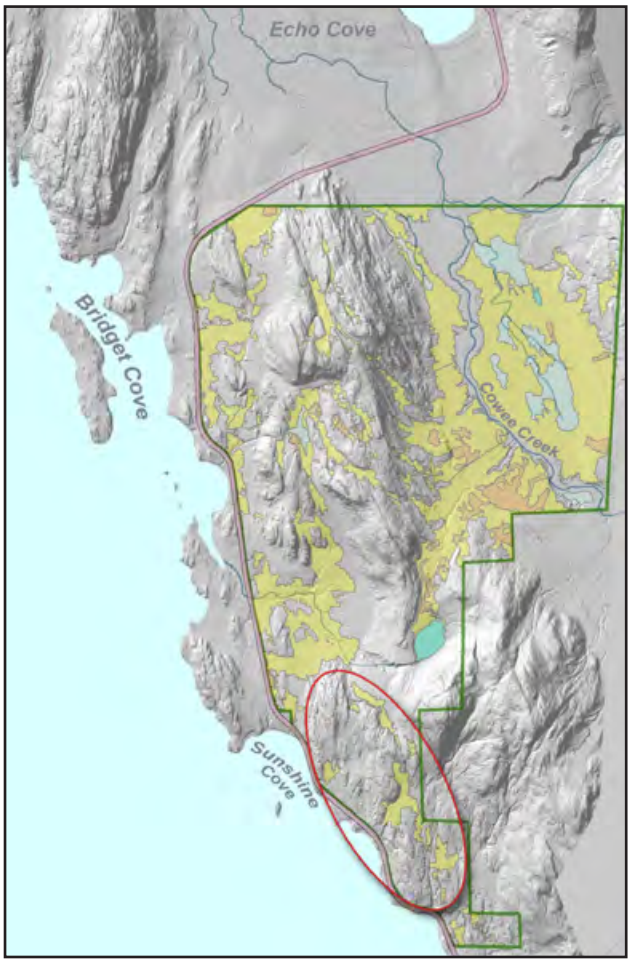
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC22 • **type:** forested peatland • **acres:** 8.8 • **boundary criteria**: w-u, subsh • **pin**: 3B4501000010
• no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for EC22 23 42 51 52



EC23 • **type:** forested peatland • **acres:** 1.1 • **boundary criteria**: w-u, subsh • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC24 • **type:** open peatland • **acres:** 3.8 • **boundary criteria**: type • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EC25 • **type:** open peatland • **acres:** 1.3 • **boundary criteria**: type • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC26 • **type:** forested peatland • **acres:** 46.5 • **boundary criteria**: w-u, type, subsh • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC27 • **type:** open peatland • **acres:** 1.0 • **boundary criteria**: type • **pin**: 3B4501000010 • no known or probable anadromous fish

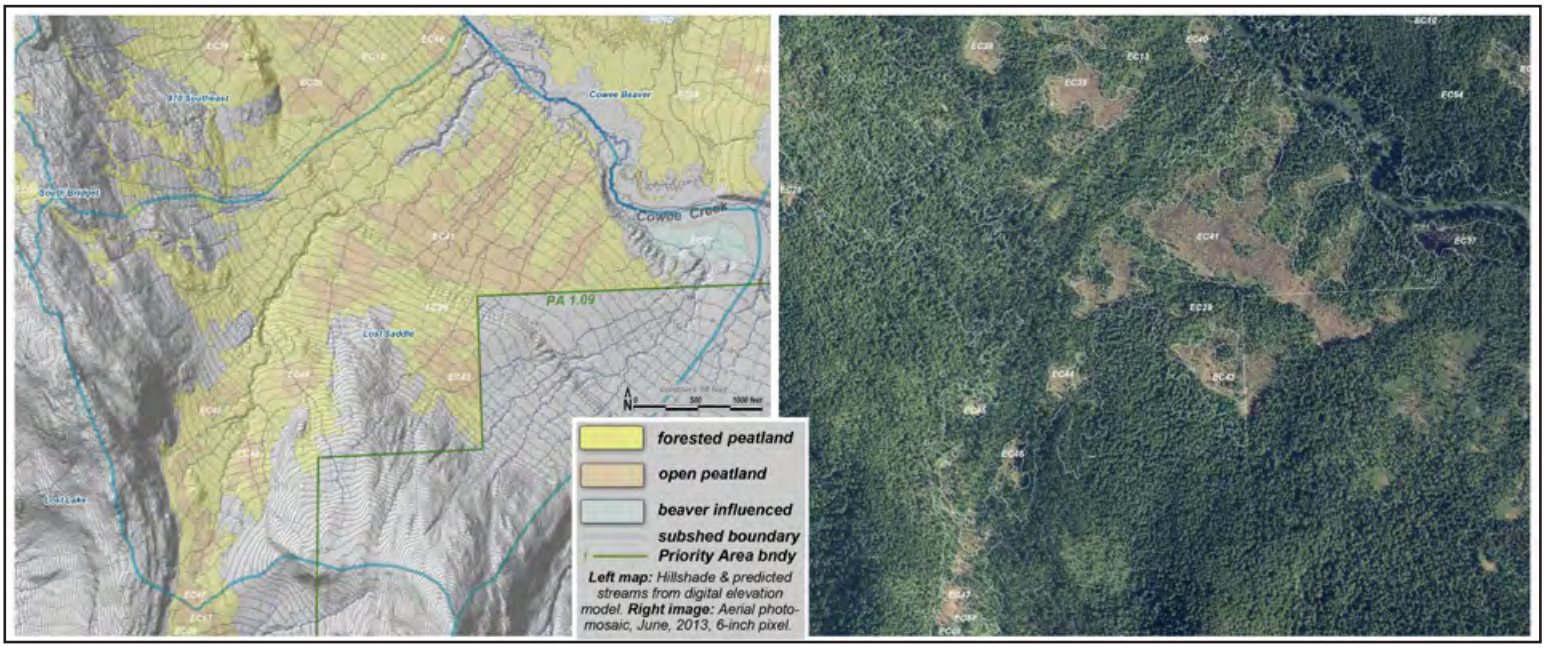
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]rd[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]rd N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]rd [illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]dr[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]d[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]d [illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]d [illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]d E[illegible]C[illegible]d[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]d [illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC28 • **type:** beaver influenced • **acres:** 4.9 • **boundary criteria**: w-u, type • **pin**: 3B4501000010 • no known or probable anadromous fish

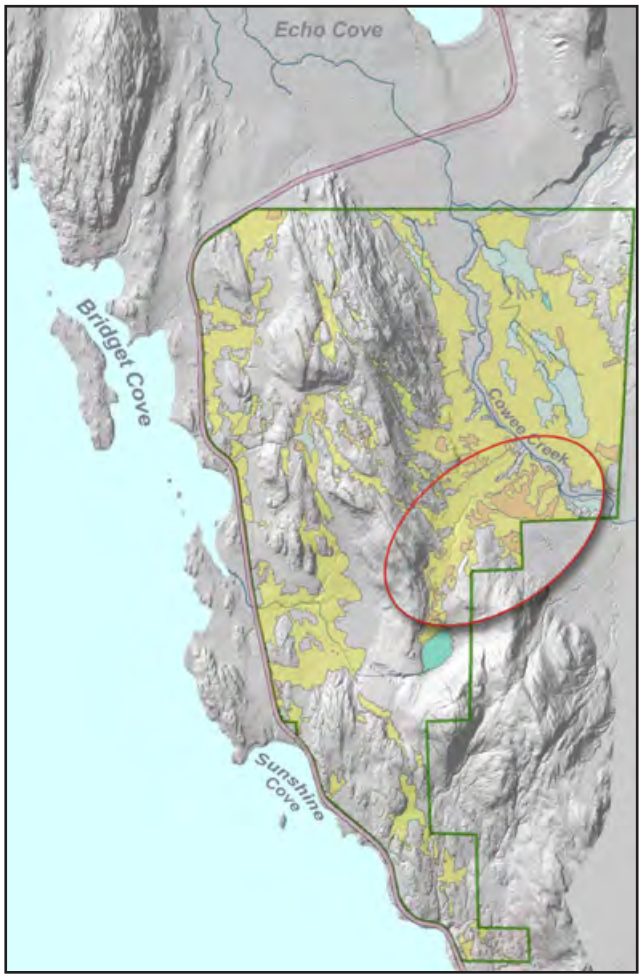
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC29 • **type:** for. peatland • **acres:** 116.0 • **boundary criteria**: w-u, type, subsh, pa • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for EC29 37 41 43 44 45 46



EC31 • **type:** open peatland • **acres:** 2.7 • **boundary criteria**: w-u, type • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EC37 • **type:** beaver influenced • **acres:** 4.0 • **boundary criteria**: w-u • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	[illegible]	N/A	N/A
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	N/A	N/A

EC38 • **type:** open peatland • **acres:** 2.0 • **boundary criteria**: type • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EC39 • **type:** open peatland • **acres:** 6.0 • **boundary criteria**: type • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC40 • **type:** open peatland • **acres:** 1.2 • **boundary criteria**: type, subsh • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC41 • **type:** open peatland • **acres:** 28.0 • **boundary criteria**: type, pa • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC42 • **type:** forested peatland • **acres:** 3.8 • **boundary criteria**: w-u, pa • **pin**: 3B4501000010 • no known or probable

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC43 • **type:** open peatland • **acres:** 3.9 • **boundary criteria**: type, pa • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EC44 • **type:** open peatland • **acres:** 2.3 • **boundary criteria**: type • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible] [illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC45 • **type:** open peatland • **acres:** 1.0 • **boundary criteria**: type • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	M[illegible]	N/A	N/A
[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	H[illegible]
[illegible]	N/A	N/A	M[illegible]
[illegible]	N/A	N/A	M[illegible]
[illegible]	N/A	N/A	[illegible]
[illegible]	N/A	N/A	[illegible]

EC46 • **type:** open peatland • **acres:** 1.4 • **boundary criteria**: type • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC47 • **type:** open peatland • **acres:** 3.3 • **boundary criteria**: type, subsh • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

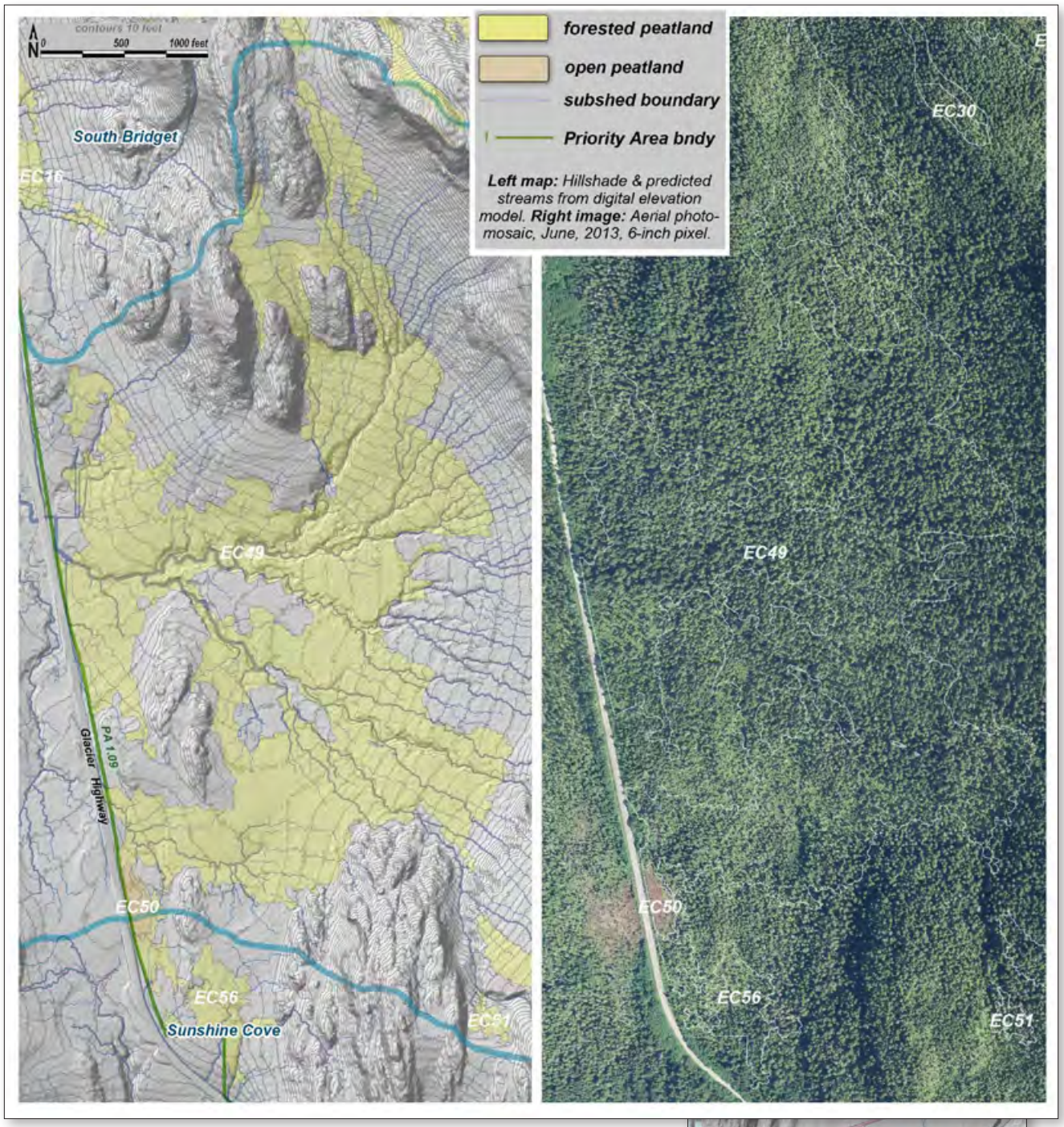
EC48 • **type:** fen/marsh • **acres:** 13.0 • **boundary criteria**: w-u, type • **pin**: 3B4501000010 • ~~known or probable anadromous fish~~

(There's a history of stocking here, but anadromous fish can't ascend the final gorge. Scores will be recalculated.)

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EC49 • **type:** forested peatland • **acres:** 130.0 • **boundary criteria**: w-u, pa, subsh • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for EC49 50 56

EC50 • **type:** open peatland • **acres:** 1.2 • **boundary criteria**: type, pa, subsh • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC51 • **type:** forested peatland • **acres:** 1.0 • **boundary criteria**: w-u • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

EC52 • **type:** forested peatland • **acres:** 30.3 • **boundary criteria**: w-u, pa • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EC53 • **type:** beaver influenced • **acres:** 1.0 • **boundary criteria**: w-u, pa • **pin**: 3B4501000010 • known or probable anadromous fish

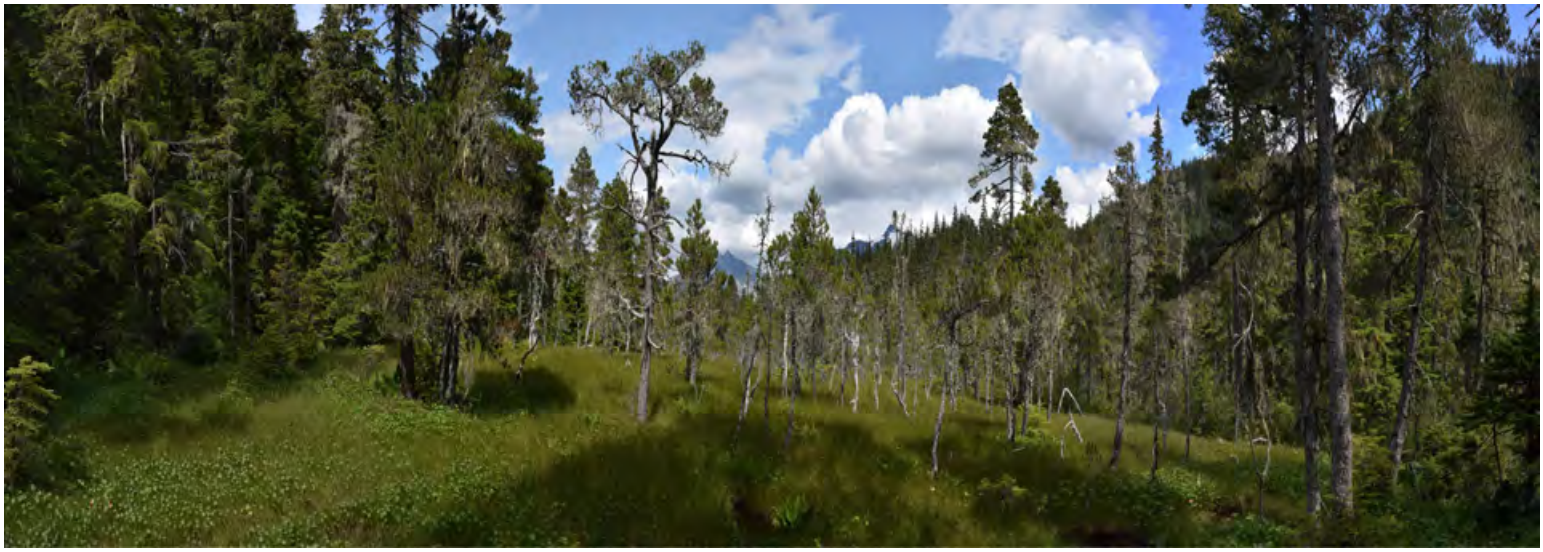
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

EC54 • **type:** forested peatland • **acres:** 306.7 • **boundary criteria**: w-u, type • **pin**: 3B4501000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

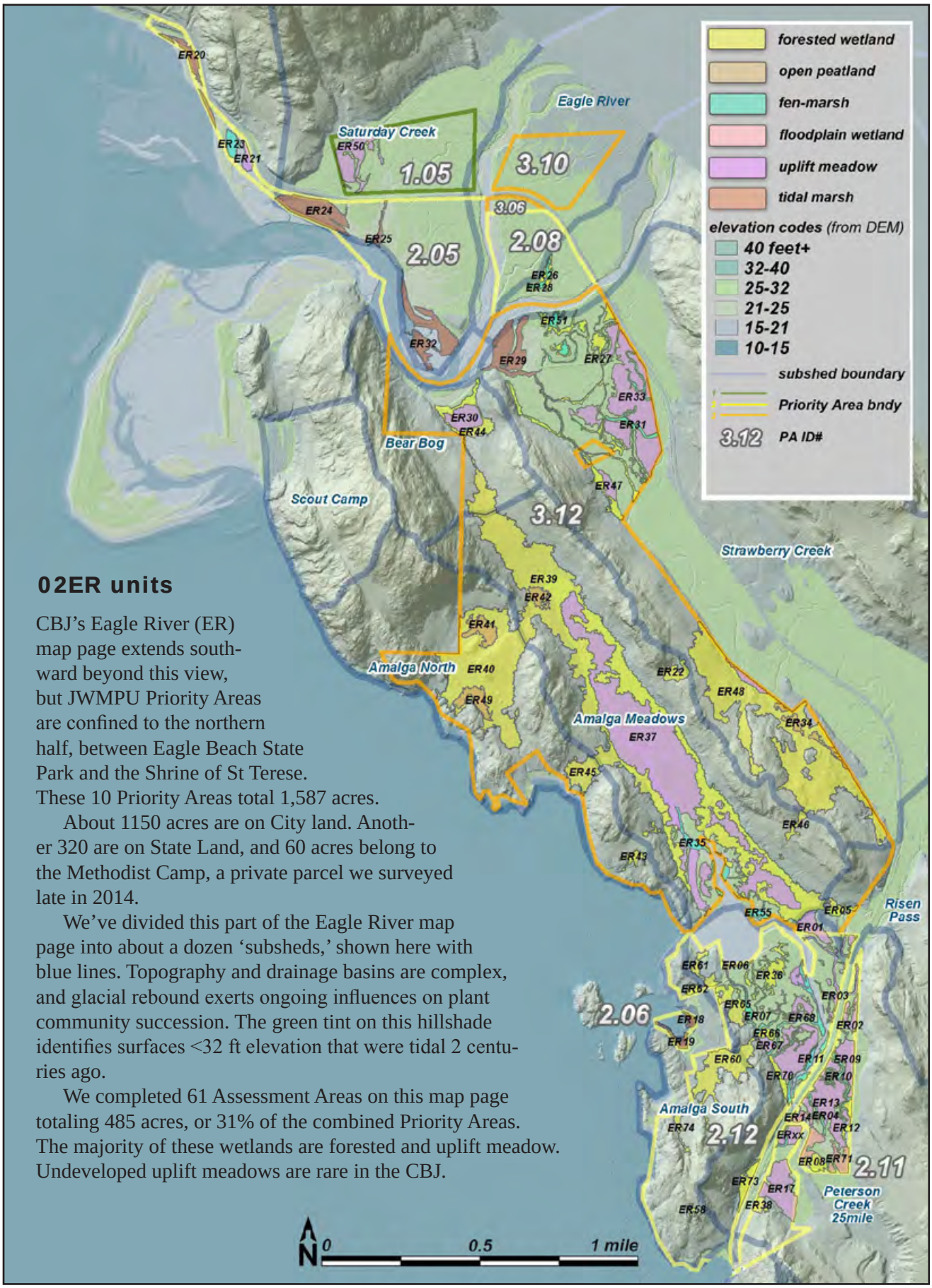
EC56 • **type:** forested peatland • **acres:** 6.1 • **boundary criteria**: w-u, type, pa subsh • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



EC57 • **type:** open peatland • **acres:** 1.3 • **boundary criteria**: type, subsh • **pin**: 3B4501000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	N/A	N/A	H[illegible]
[illegible]	[illegible]	N/A	N/A	H[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]



02ER units

CBJ's Eagle River (ER) map page extends southward beyond this view, but JWMPU Priority Areas are confined to the northern half, between Eagle Beach State Park and the Shrine of St Terese. These 10 Priority Areas total 1,587 acres.

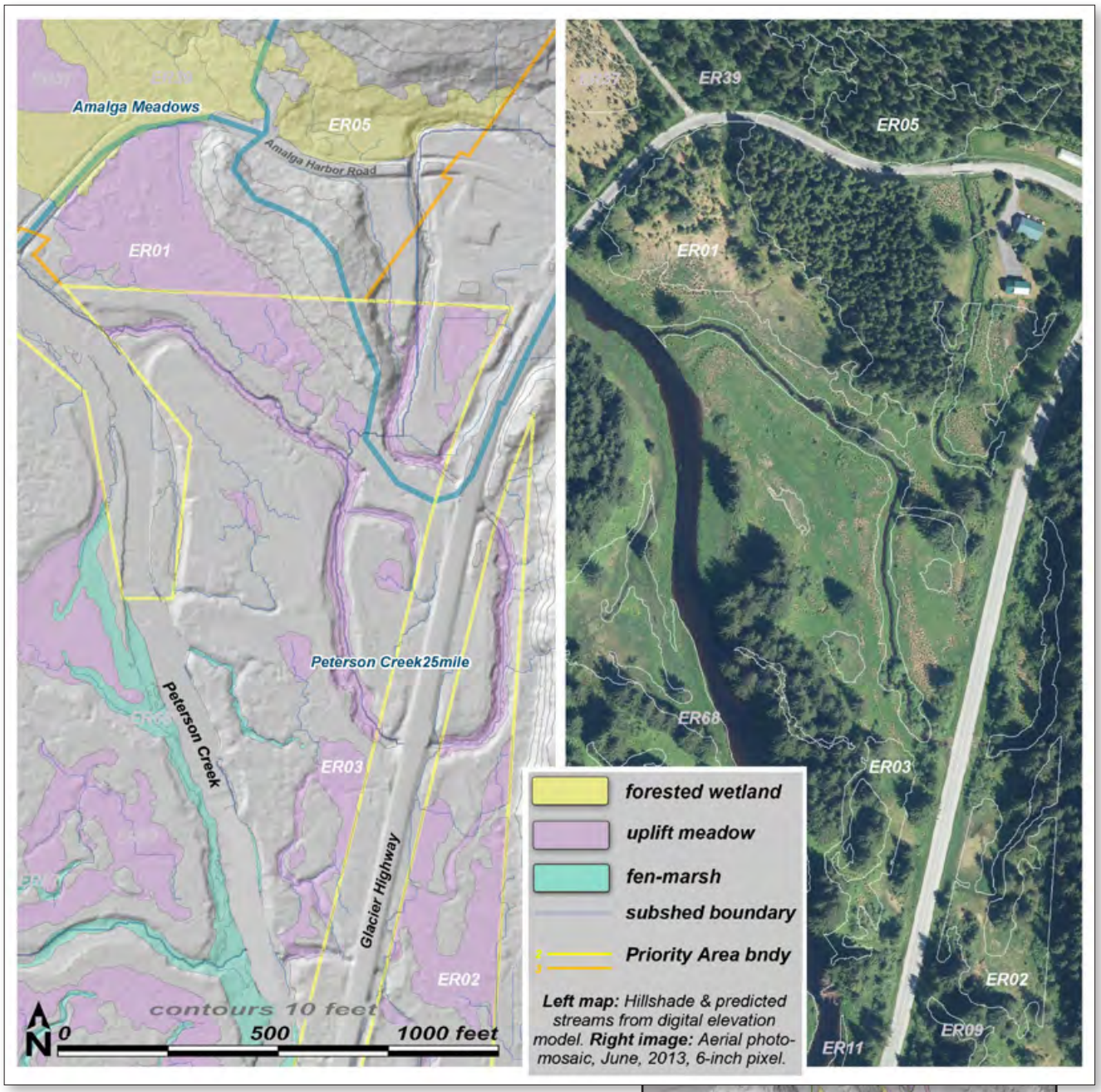
About 1150 acres are on City land. Another 320 are on State Land, and 60 acres belong to the Methodist Camp, a private parcel we surveyed late in 2014.

We've divided this part of the Eagle River map page into about a dozen 'subsheds,' shown here with blue lines. Topography and drainage basins are complex, and glacial rebound exerts ongoing influences on plant community succession. The green tint on this hillshade identifies surfaces <32 ft elevation that were tidal 2 centuries ago.

We completed 61 Assessment Areas on this map page totaling 485 acres, or 31% of the combined Priority Areas. The majority of these wetlands are forested and uplift meadow. Undeveloped uplift meadows are rare in the CBJ.

ER01 • **type:** uplift meadow • **acres:** 3.37 • **boundary criteria**: w-u, type • **pin**: 3B4001000050, 60 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	M[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for ER01 02 03 05

ER02 • **type:** uplift meadow • **acres:** 1.8 • **boundary criteria**: w-u, pa • **pin**: 3B4001000040 • known or probable anadromous fish

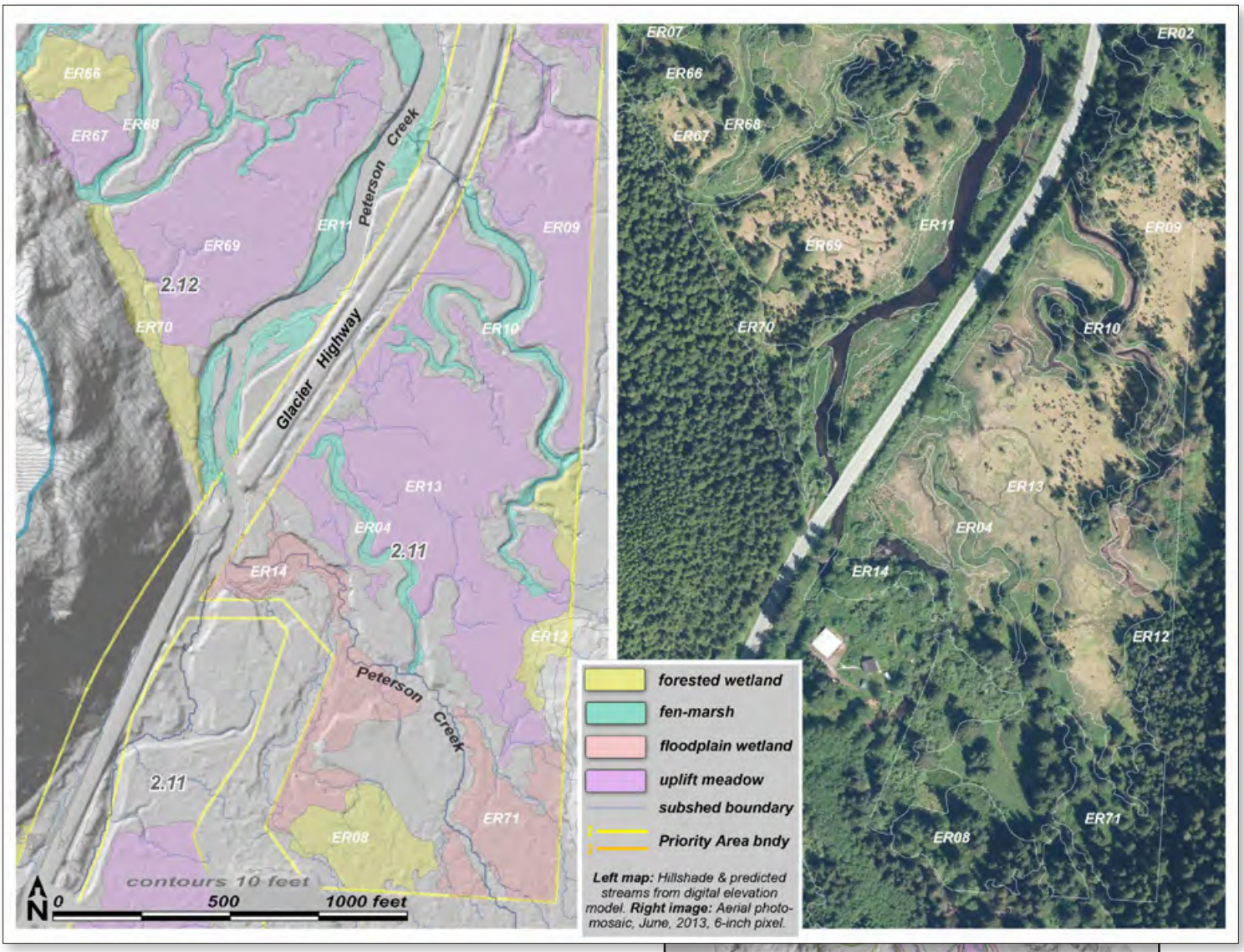
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]

ER03 • **type:** uplift meadow • **acres:** 3.6 • **boundary criteria**: w-u, pa • **pin**: 3B4001040050 • known or probable anadromous fish

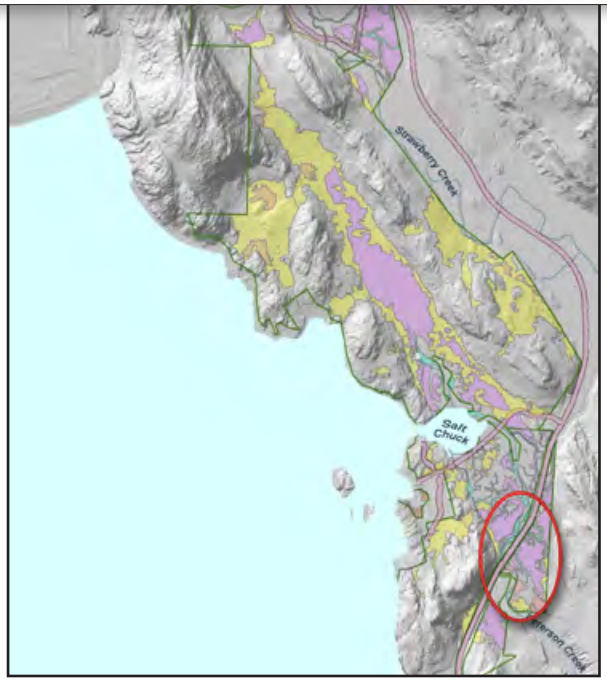
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER04 • **type:** fen/marsh • **acres:** 0.7 • **boundary criteria**: w-u, type • **pin**: 3B4001000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

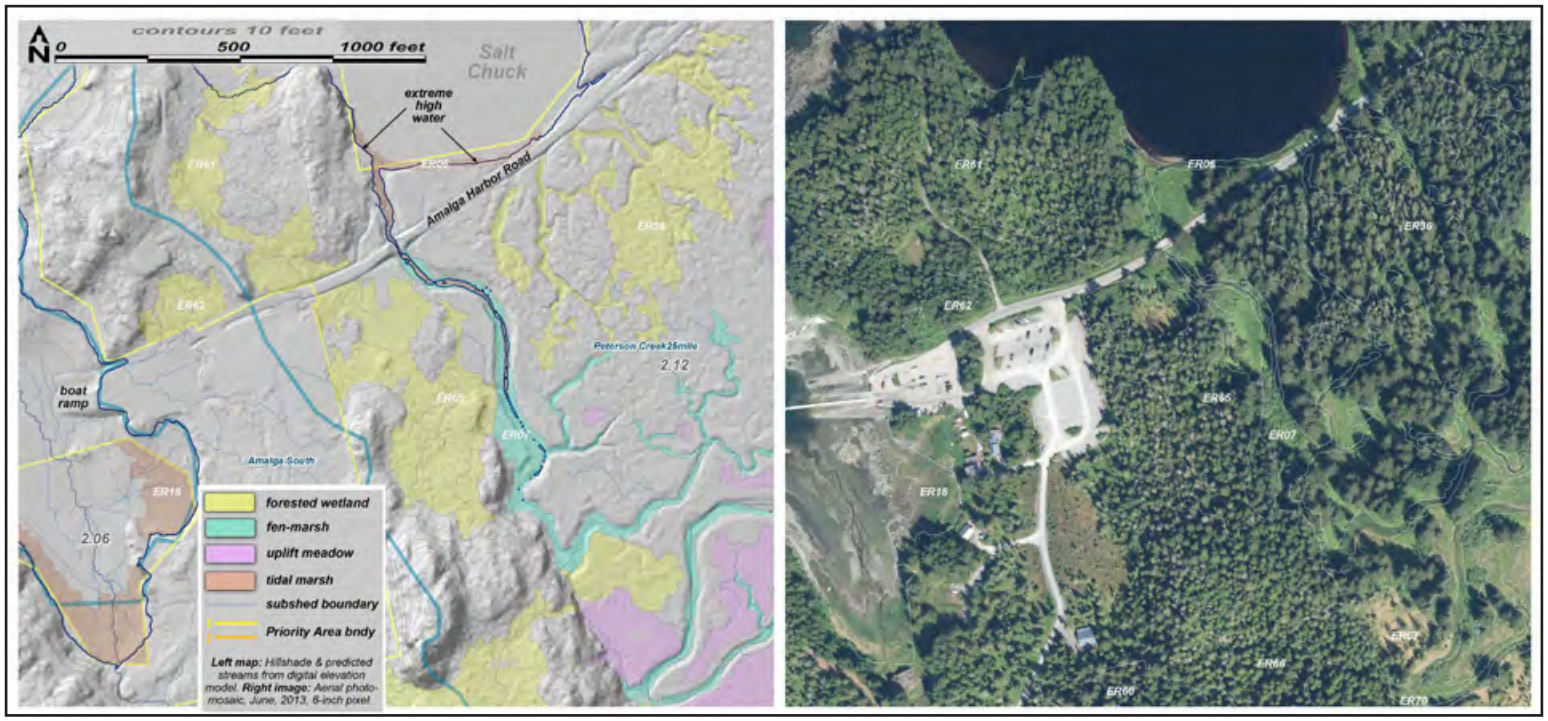


Unit maps for ER04 18 09 10 11 12 13 14 66 67 68 89 70 71

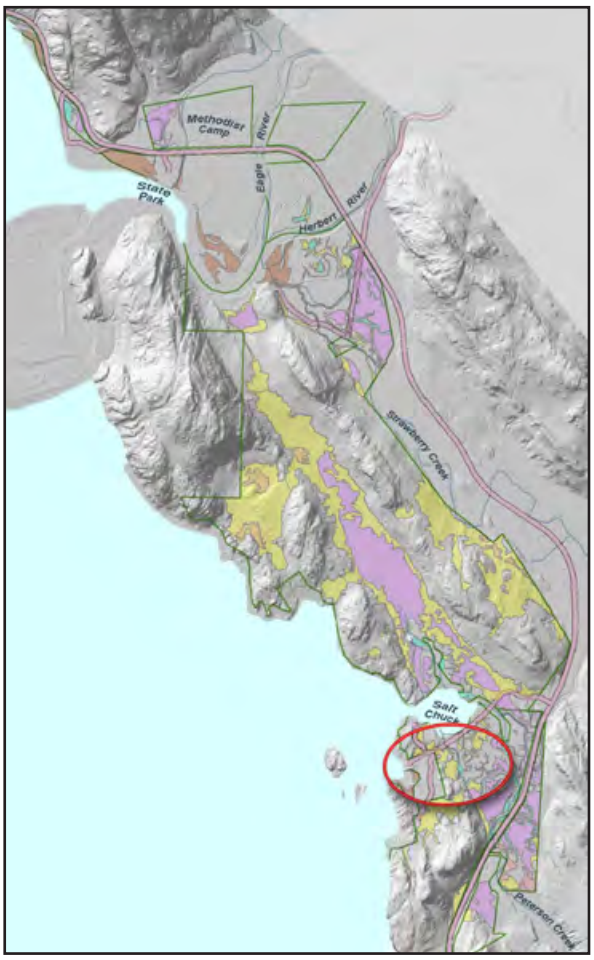


ER05 • **type:** forested peatland • **acres:** 1.8 • **boundary criteria**: w-u, subsh, pa • **pin**: 3B4201000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for ER06 07 18 36 61 62 65



ER07 • **type:** fen/marsh • **acres:** 2.2 • **boundary criteria**: w-u, type • **pin**: 3B4001000060 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER08 • **type:** forested peatland • **acres:** 1.8 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]dr[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]rd[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible] C[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]d[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]d[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]
[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
N[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
A[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]rd N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]
[illegible]r[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A	N/A
[illegible]r H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]r
[illegible]r[illegible]r[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]r
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]r
[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]d [illegible]	N/A	N/A	[illegible]	H[illegible]r
[illegible]d [illegible]r[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d E[illegible]C[illegible]d[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A	N/A	[illegible]	[illegible]

ER09 • **type:** uplift meadow • **acres:** 3.7 • **boundary criteria**: w-u, pa • **pin**: 3B4001000020, 30 • no known or probable anadromous fish

probable error- recalculate?

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER10 • **type:** fen/marsh • **acres:** 1.54 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000010, 20, 30 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER11 • **type:** fen/marsh • **acres:** 2.0 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000060 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]

ER12 • **type:** forested peatland • **acres:** 1.0 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER13 • **type:** uplift meadow • **acres:** 10.5 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000010, 20, 30 • known or probable anadromous fish

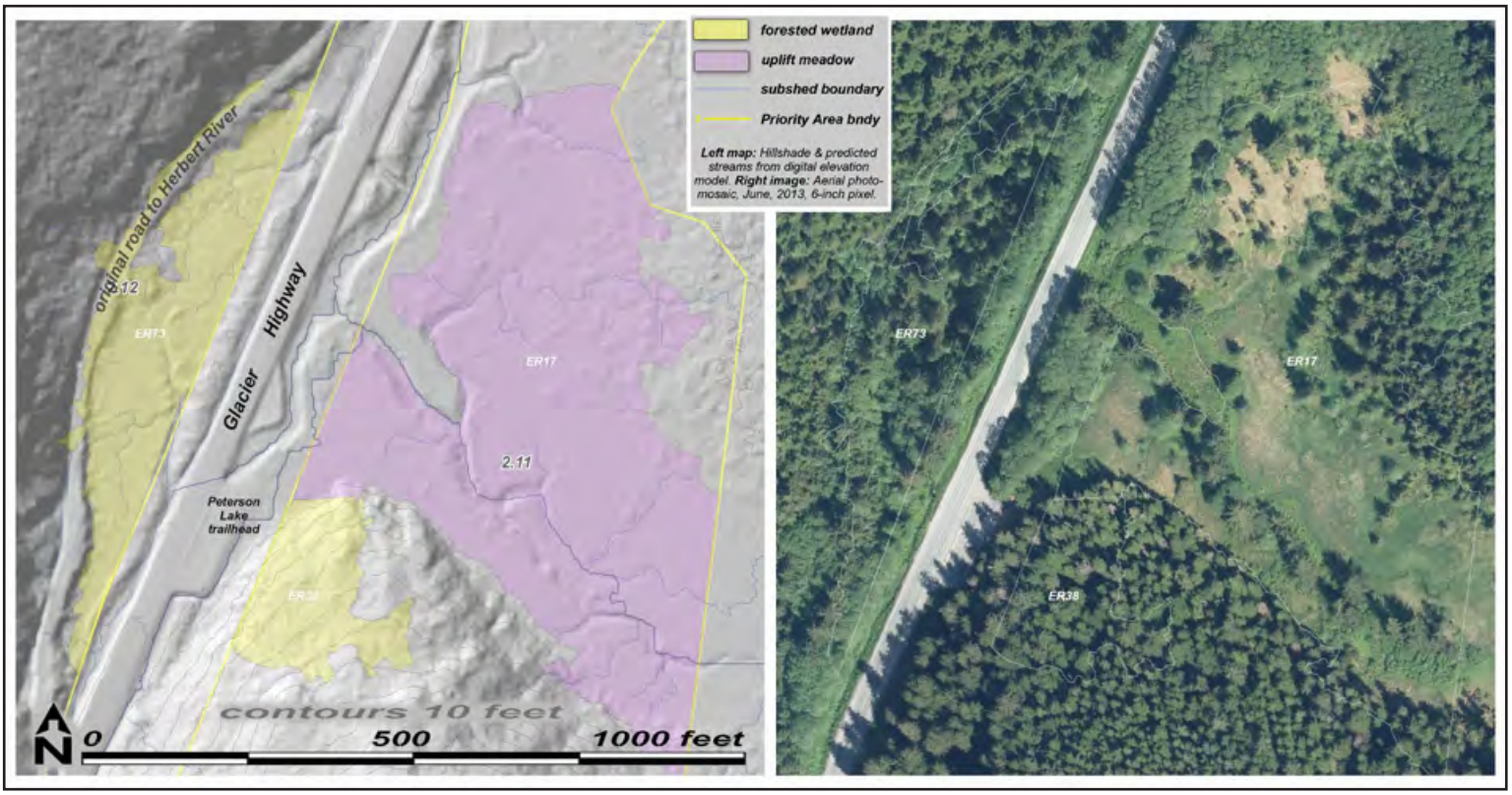
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER14 • **type:** floodplain wetland • **acres:** 1.0 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000010 • known or probable anadromous fish

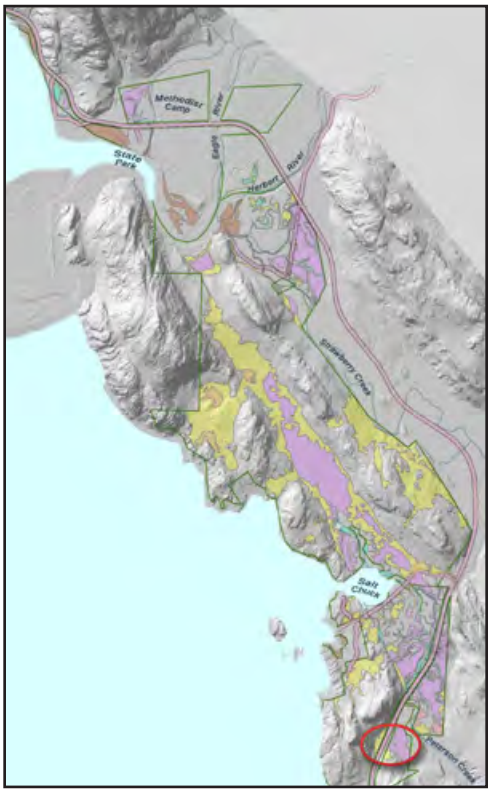
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]dr[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]d[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]rd[illegible]r[illegible] M[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d[illegible] [illegible] [illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
N[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible]r [illegible]r[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible]r C[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r[illegible]rd N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r[illegible] [illegible] [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r[illegible]r[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r[illegible] [illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r[illegible] N[illegible]r[illegible] E[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A[illegible]	N/A[illegible]
C[illegible]r[illegible] [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A[illegible]	N/A[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	H[illegible]r
[illegible]r H[illegible]	[illegible]	[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]r[illegible]r[illegible]	N/A[illegible]	N/A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible] [illegible] [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	[illegible]r
[illegible]d E[illegible]C[illegible]d[illegible]	N/A[illegible]	N/A[illegible]	[illegible]	[illegible]r

ER17 • **type:** uplift meadow • **acres:** 7.7 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000080 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

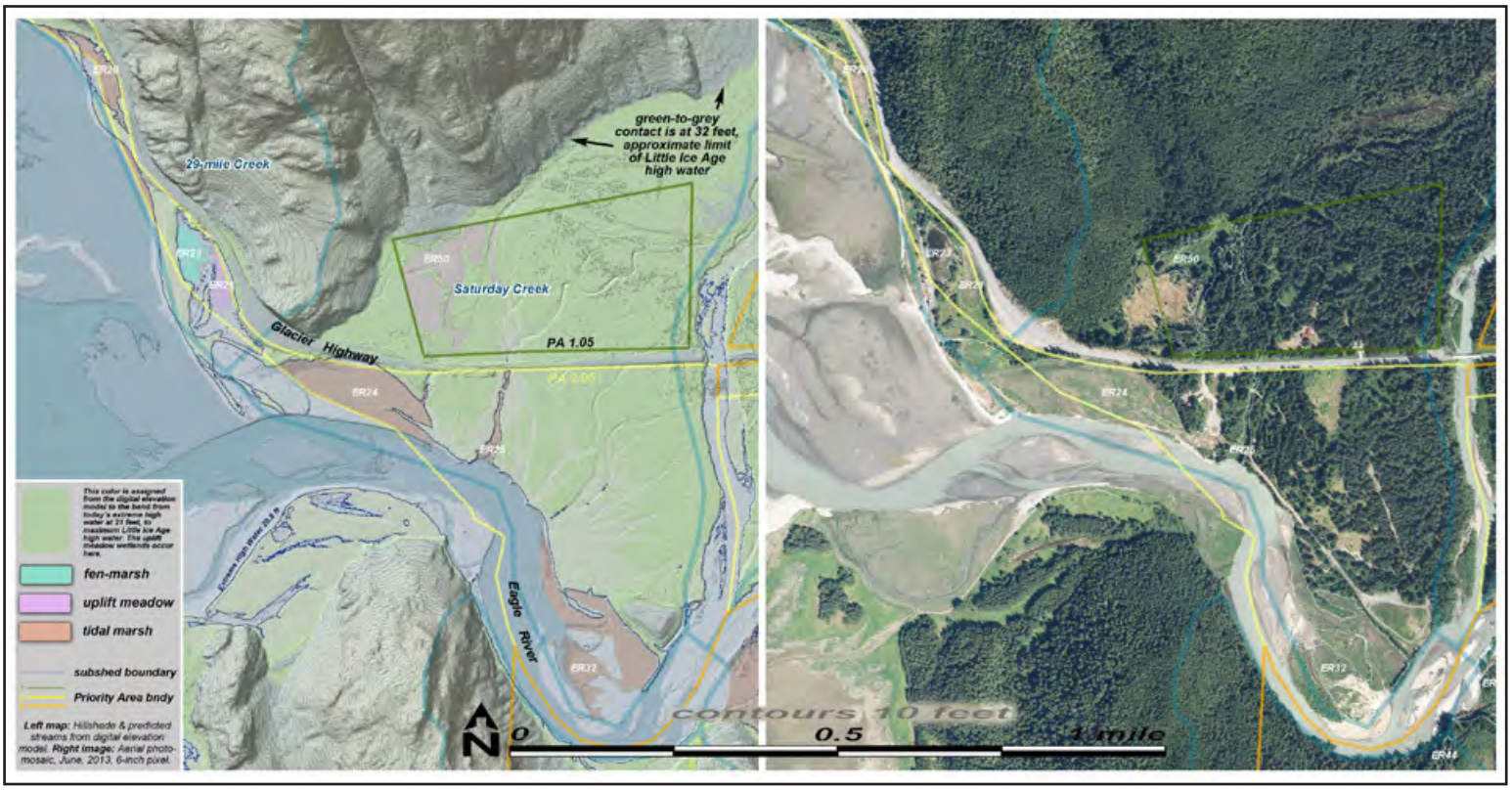


Unit maps for ER17 38 73

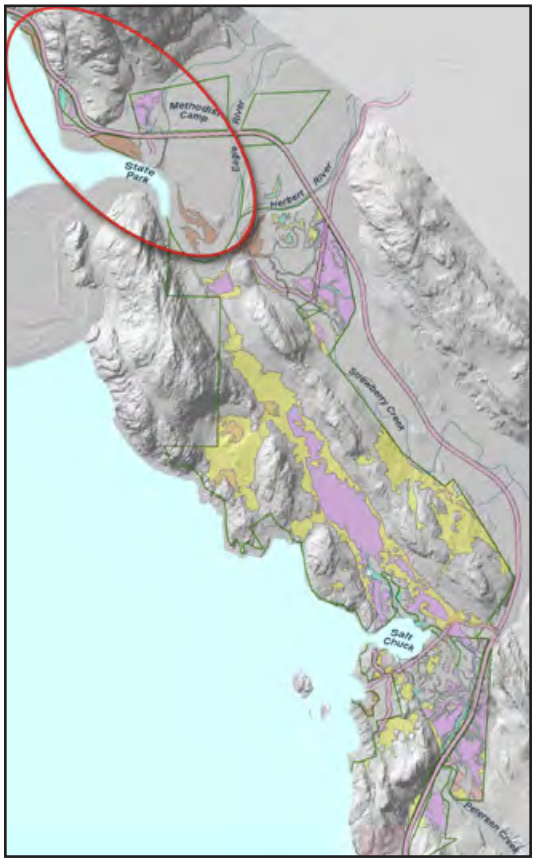


ER21 • **type:** uplift meadow • **acres:** 1.2 • **boundary criteria**: w-u, pa • **pin**: 3B4404000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

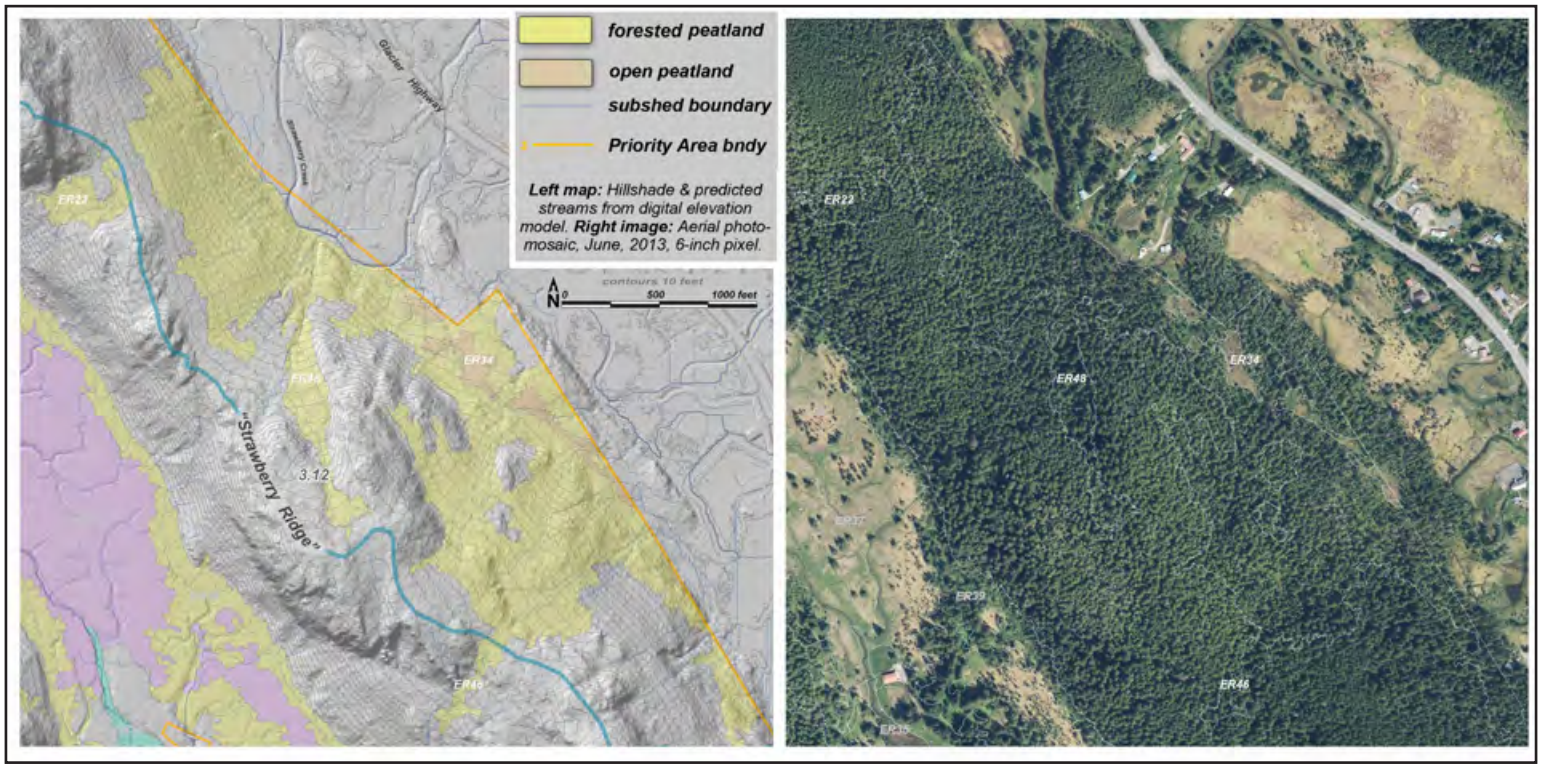


Unit maps for ER 21 23 24 25 32 50

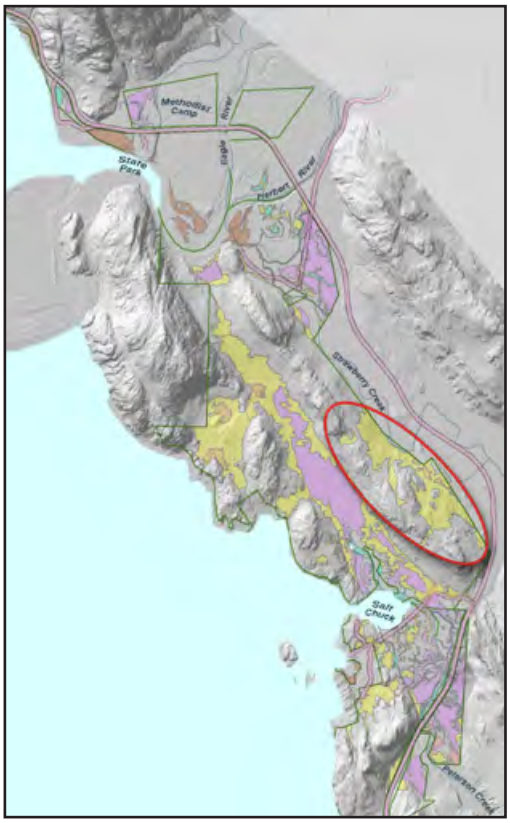


ER22 • **type:** for. peatland • **acres:** 1.2 • **boundary criteria**: w-u, subsh • **pin**: 3B4101000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for ER22 35 46 48

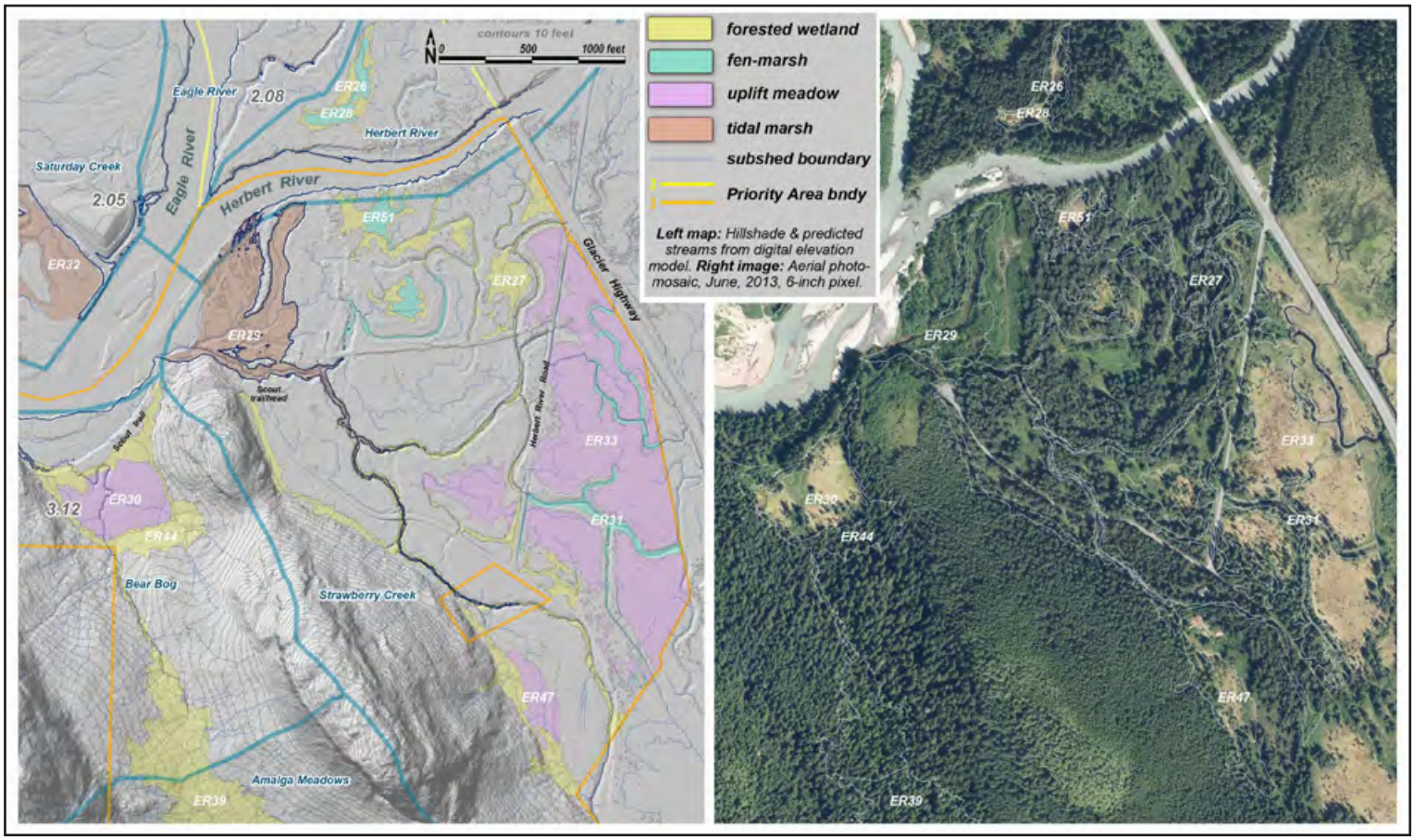


ER23 • **type:** fen/marsh • **acres:** 1.2 • **boundary criteria**: w-u • **pin**: 3B4404000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER26 • **type:** forested peatland • **acres:** 1.2 • **boundary criteria**: w-u, type • **pin**: 3B4404000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for ER26 27 28 29 30 31 32 33 44 47

ER27 • **type:** forested peatland • **acres:** 14.0 • **boundary criteria**: w-u, type, pa • **pin**: 3B4301000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER28 • **type:** fen/marsh • **acres:** 1.0 • **boundary criteria**: type • **pin**: 3B4404000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER30 • **type:** uplift meadow • **acres:** 4.4 • **boundary criteria**: type • **pin**: 3B4301000030 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER31 • **type:** fen/marsh • **acres:** 2.7 • **boundary criteria**: w-u, type, pa • **pin**: 3B4301000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER33 • **type:** uplift meadow • **acres:** 27.9 • **boundary criteria**: w-u, type, pa • **pin**: 3B4301000010 • known or probable anadromous fish

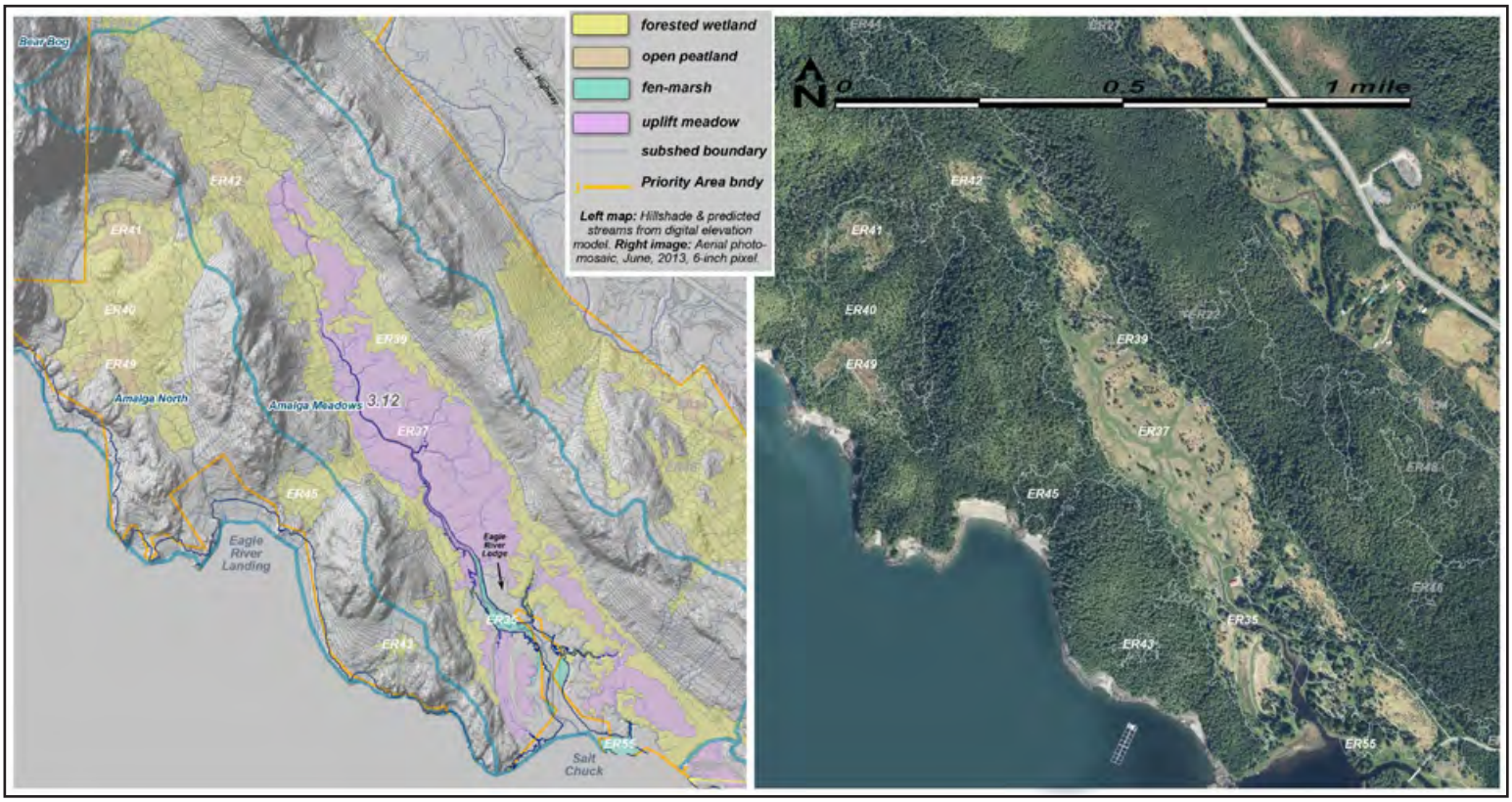
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	High	[illegible]	High
[illegible]	[illegible]	High	[illegible]	High
[illegible]	[illegible]	High	[illegible]	High
[illegible]	[illegible]	High	[illegible]	High
[illegible]	[illegible]	High	[illegible]	Mod [illegible]
[illegible]	[illegible]	High	[illegible]	[illegible]
[illegible]	Mod [illegible]	[illegible]	High
[illegible]	Mod [illegible]	[illegible]	High
[illegible]	Mod [illegible]	[illegible]	High
[illegible]	Mod [illegible]	[illegible]	High
[illegible]	Mod [illegible]	[illegible]	High
[illegible]	Mod [illegible]	[illegible]	High
[illegible]	Mod [illegible]	[illegible]	High
[illegible]	Mod [illegible]	[illegible]	Mod [illegible]
[illegible]	Mod [illegible]	[illegible]	Mod [illegible]
[illegible]	Mod [illegible]	[illegible]	Mod [illegible]
[illegible]	Mod [illegible]	N/A	N/A
[illegible]	Mod [illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	High
[illegible]	N/A	N/A	High
[illegible]	N/A	N/A	High
[illegible]	N/A	N/A	High
[illegible]	N/A	N/A	Mod [illegible]
[illegible]	N/A	N/A	[illegible]

ER34 • **type:** open peatland • **acres:** 2.6 • **boundary criteria**: type, pa • **pin**: 3B4101000010 • no known or probable anadromous fish

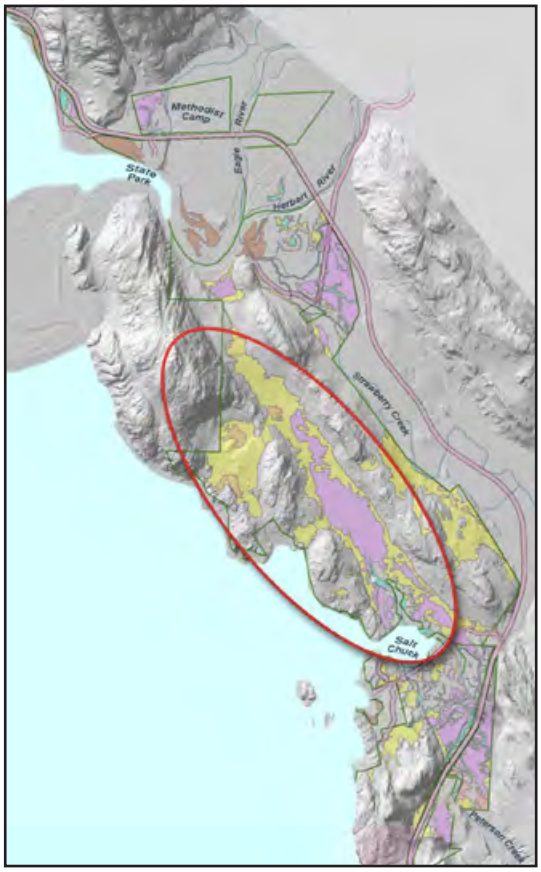
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER35 • **type:** fen/marsh • **acres:** 2.5 • **boundary criteria**: w-u, type, pa • **pin**: 3B4101000013 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for ER35 37 39 40 41 42 43 45 49 55



ER36 • **type:** forested peatland • **acres:** 4.3 • **boundary criteria**: w-u, pa • **pin**: 3B4001000060 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER37 • **type:** uplift meadow • **acres:** 73.5 • **boundary criteria**: w-u, type • **pin**: 3B4201000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER38 • **type:** for. peatland • **acres:** 1.0 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000080 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]

ER39 • **type:** forested peatland • **acres:** 92.1 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 3B4201000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]rd[illegible] M[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible] N[illegible]E[illegible]	[illegible]	H[illegible]r	N/A	N/A
C[illegible] [illegible]	[illegible]	H[illegible]r	N/A	N/A
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]rd N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
A[illegible]dr[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]d[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]d E[illegible]C[illegible]d[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A	N/A	[illegible]	[illegible]r
[illegible]d [illegible]r[illegible]	N/A	N/A	[illegible]	[illegible]r
[illegible]d [illegible]	N/A	N/A	[illegible]	[illegible]r
[illegible]	N/A	N/A	[illegible]	[illegible]r

ER40 • **type:** forested peatland • **acres:** 40.0 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 3B4101000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER41 • **type:** open peatland • **acres:** 3.6 • **boundary criteria**: type • **pin**: 3B4101000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER42 • **type:** open peatland • **acres:** 1.8 • **boundary criteria**: type • **pin**: 3B4101000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER43 • **type:** forested peatland • **acres:** 1.2 • **boundary criteria**: w-u • **pin**: 3B4101000013 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER44 • **type:** forested peatland • **acres:** 9.9 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 3B4101000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER45 • **type:** for. peatland • **acres:** 5.0 • **boundary criteria**: w-u, pa, subsh • **pin**: 3B4101000013 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER46 • **type:** forested peatland • **acres:** 1.1 • **boundary criteria**: w-u, subsh • **pin**: 3B4101000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER47 • **type:** uplift meadow • **acres:** 1.6 • **boundary criteria**: w-u, type • **pin**: 3B4301000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER48 • **type:** forested peatland • **acres:** 54.7 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 3B4101000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER49 • **type:** open peatland • **acres:** 3.2 • **boundary criteria**: type • **pin**: 3B4101000013 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER50 • **type:** uplift meadow • **acres:** 7.9 • **boundary criteria**: w-u, pa • **pin**: 3B4401000020 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER51 • **type:** fen/marsh • **acres:** 1.8 • **boundary criteria**: w-u, type, subsh • **pin**: 3B4301000010
• no known or probable anadromous fish

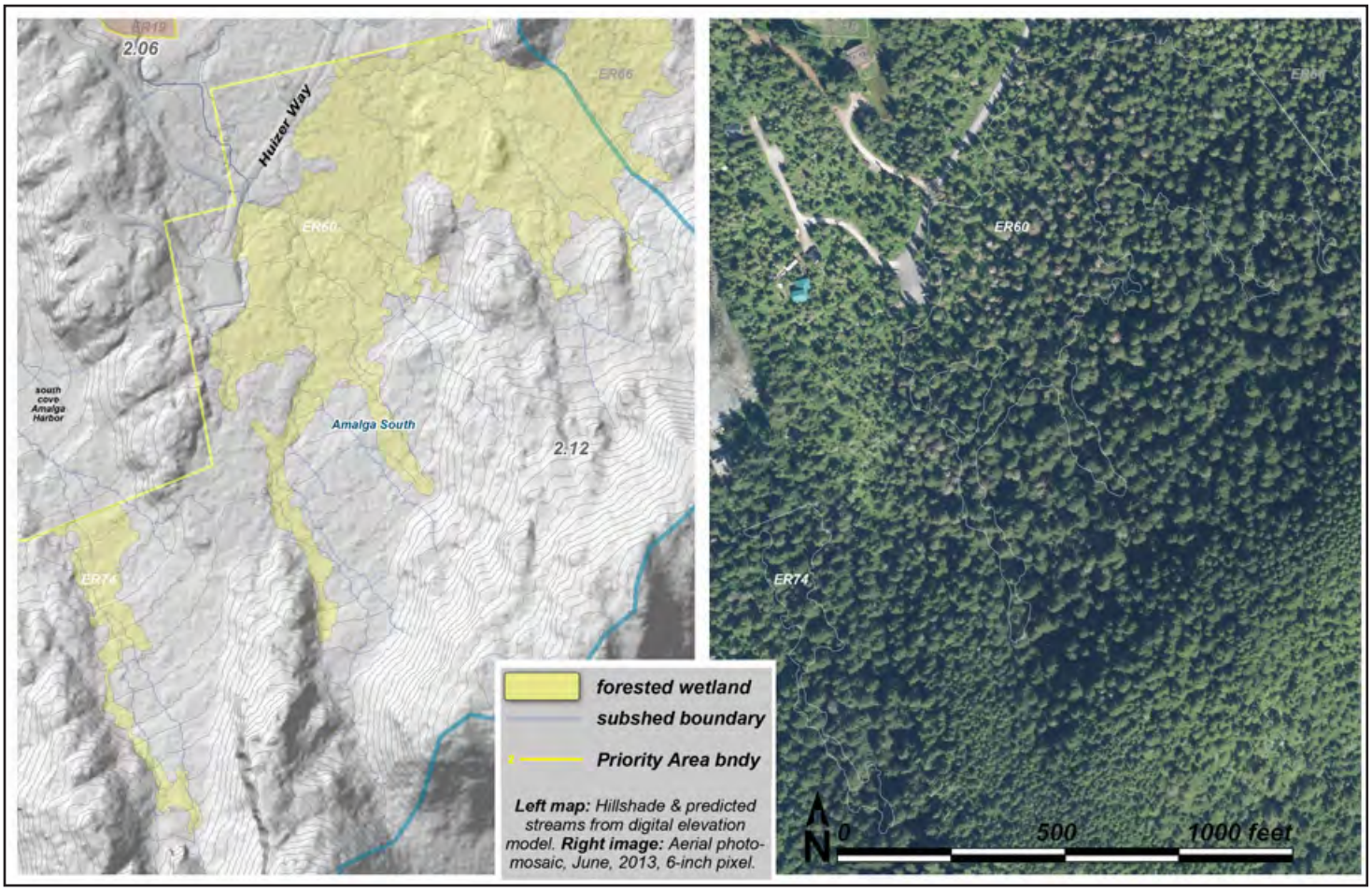
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER55 • **type:** fen/marsh • **acres:** 1.0 • **boundary criteria**: w-u, type, pa • **pin**: 3B4101000012 • known or probable anadromous fish

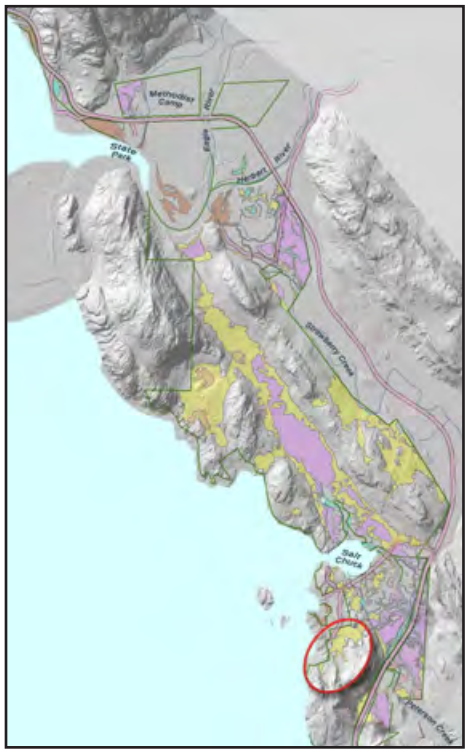
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER60 • **type:** forested peatland • **acres:** 9.6 • **boundary criteria**: w-u, pa, subsh • **pin**: 3B4001000070 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for ER60 74



ER61 • **type:** for. peatland • **acres:** 2.0 • **boundary criteria**: w-u, pa • **pin**: 3B4001010010, 20, 30, 40 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]

ER62 • **type:** for. peatland • **acres:** 0.7 • **boundary criteria**: w-u, pa • **pin**: 3B4001010040 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER65 • **type:** forested peatland • **acres:** 3.8 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000060 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]

ER66 • **type:** forested peatland • **acres:** 2.5 • **boundary criteria**: w-u, subsh • **pin**: 3B4001000060 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]

ER67 • **type:** uplift meadow • **acres:** 1.0 • **boundary criteria**: w-u, type • **pin**: 3B4001000060 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER68 • **type:** fen/marsh • **acres:** 3.3 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000060 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER69 • **type:** uplift meadow • **acres:** 11.4 • **boundary criteria**: w-u, type • **pin**: 3B4001000060 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ER70 • **type:** forested peatland • **acres:** 1.5 • **boundary criteria**: w-u, type • **pin**: 3B4001000060 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER71 • **type:** floodplain wetland • **acres:** 4.4 • **boundary criteria**: w-u, type, pa • **pin**: 3B4001000010 • known or probable anadromous fish

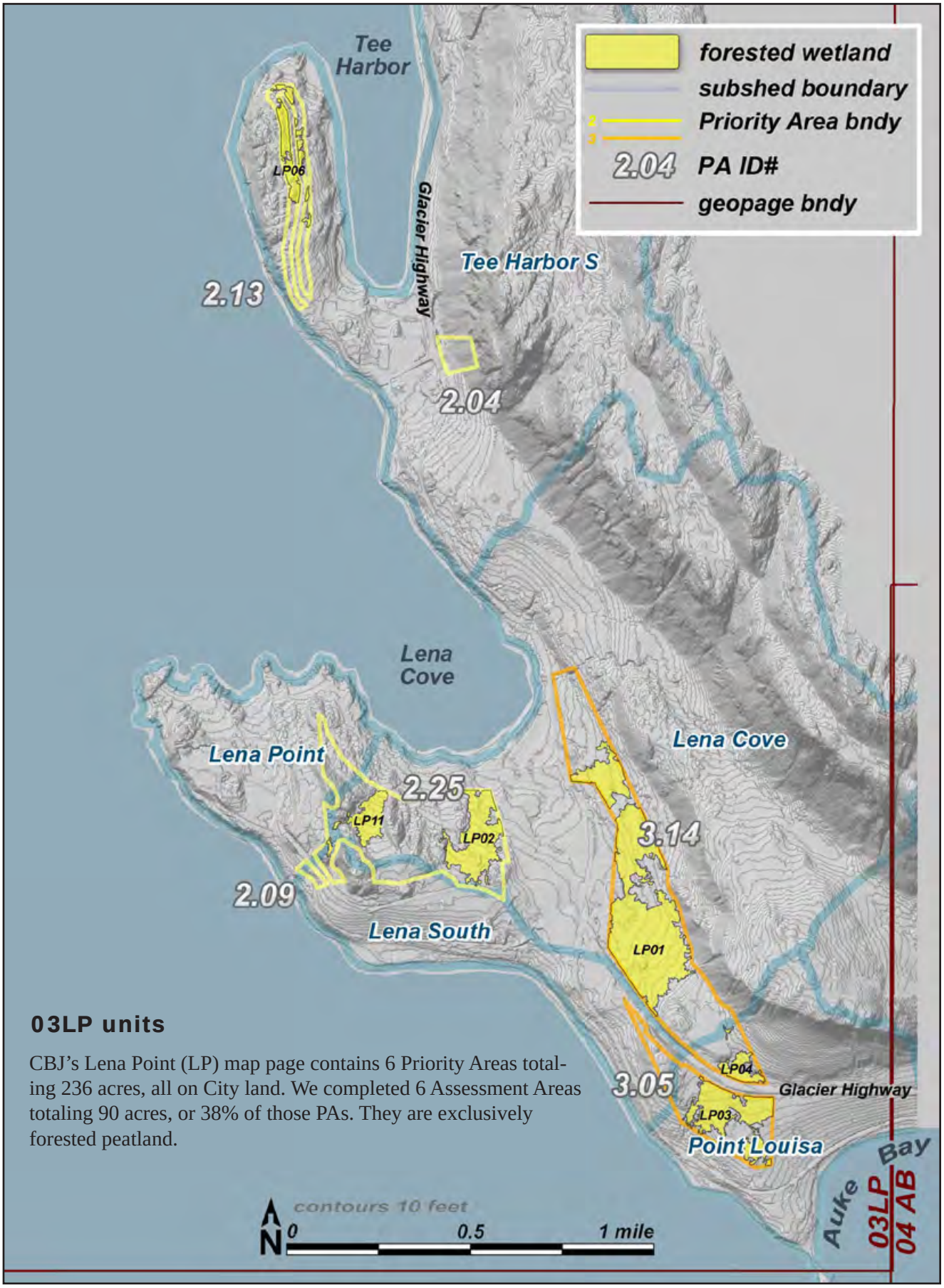
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ER73 • **type:** forested peatland • **acres:** 2.3 • **boundary criteria**: w-u, pa • **pin**: 3B3901000121
• known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]rd [illegible] M[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
C[illegible]	[illegible]	H[illegible]r	N/A	N/A
[illegible]d [illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
A[illegible]dr[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
A[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]rd N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]r	[illegible]	H[illegible]r
[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]rd [illegible]d H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]d [illegible]	N/A	N/A	[illegible]	H[illegible]r
[illegible]d [illegible]	N/A	N/A	[illegible]	H[illegible]r
[illegible]d E[illegible] C[illegible]d[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A	N/A	[illegible]	[illegible]r
[illegible]	N/A	N/A	[illegible]	[illegible]r

ER74 • **type:** forested peatland • **acres:** 1.1 • **boundary criteria**: w-u, pa • **pin**: 3B4001000070 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

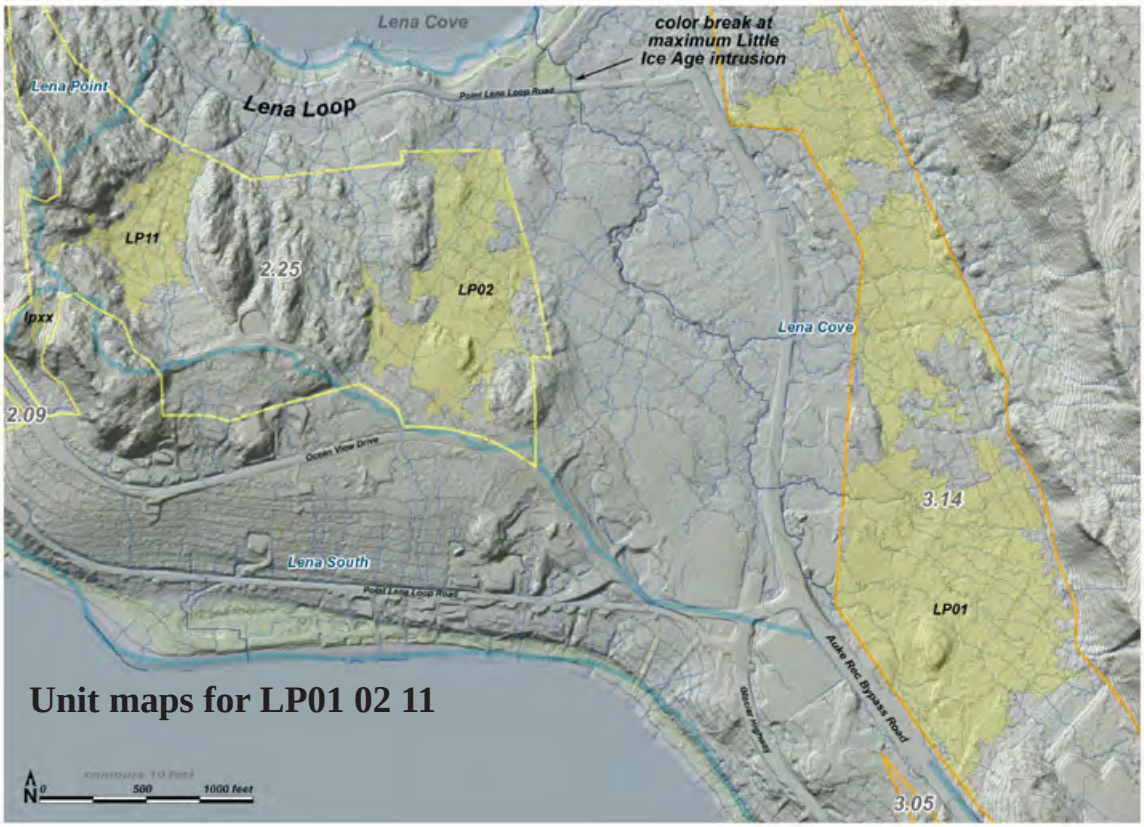


03LP units

CBJ's Lena Point (LP) map page contains 6 Priority Areas totaling 236 acres, all on City land. We completed 6 Assessment Areas totaling 90 acres, or 38% of those PAs. They are exclusively forested peatland.

LP01 • **type:** forested peatland • **acres:** 47.3 • **boundary criteria**: w-u, pa • **pin**: 8B3401000100 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for LP01 02 11

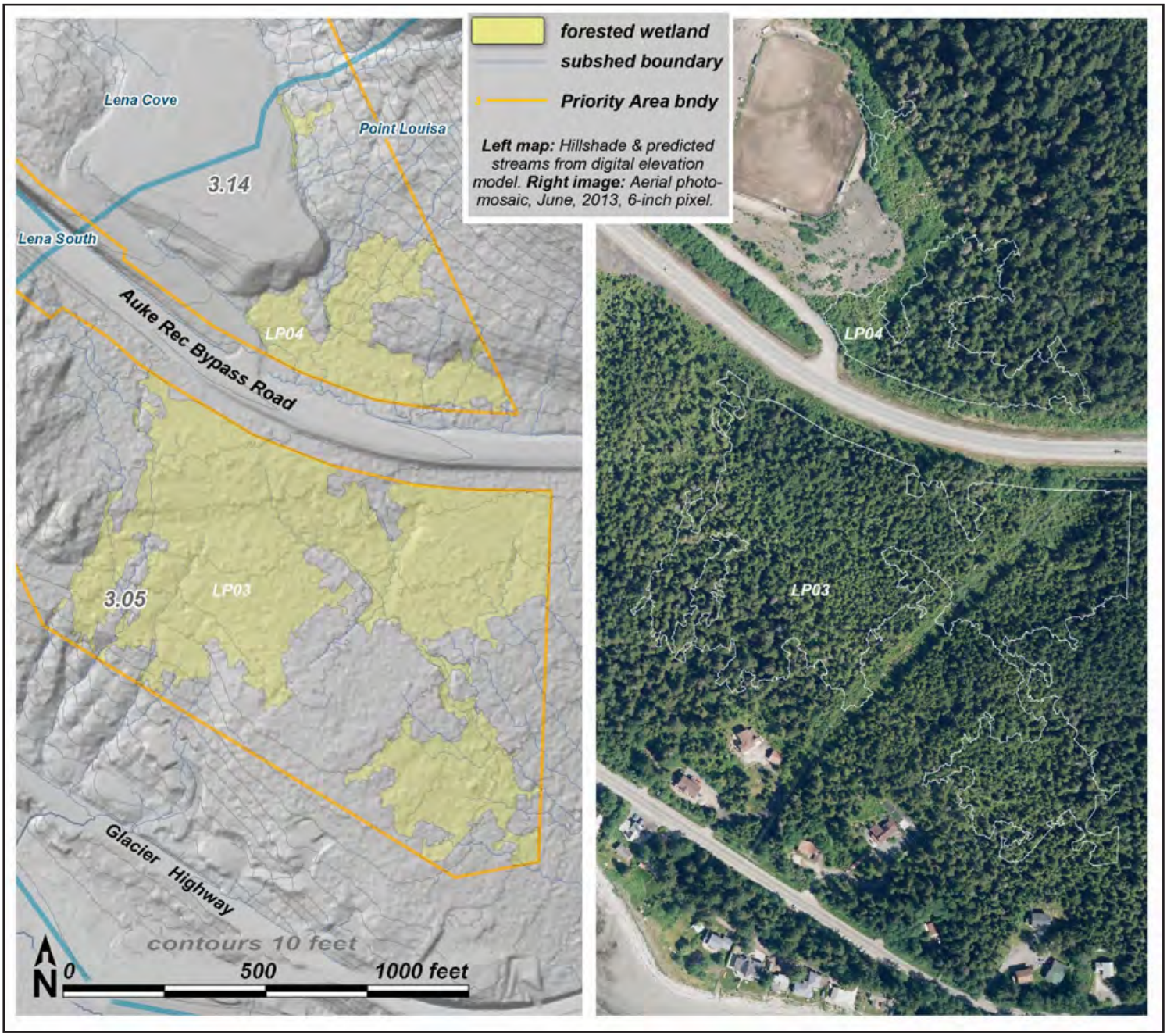
Left map: *Hillshade & predicted streams from digital elevation model.* **Right image:** *Aerial photo-mosaic, June, 2013, 6-inch pixel.*

LP02 • **type:** forested peatland • **acres:** 13.4 • **boundary criteria**: w-u, pa • **pin**: 8B3301070090 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]rd[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]r	N/A	N/A
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]rd N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A	N/A
A[illegible]dr[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]d[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]rd[illegible]d[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]d[illegible]r[illegible]	N/A	N/A	[illegible]	H[illegible]r
[illegible]d[illegible]	N/A	N/A	[illegible]	H[illegible]r
[illegible]d E[illegible]C[illegible]d[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

LP03 • **type:** forested peatland • **acres:** 14.3 • **boundary criteria**: w-u, pa • **pin**: 8B3401000100 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



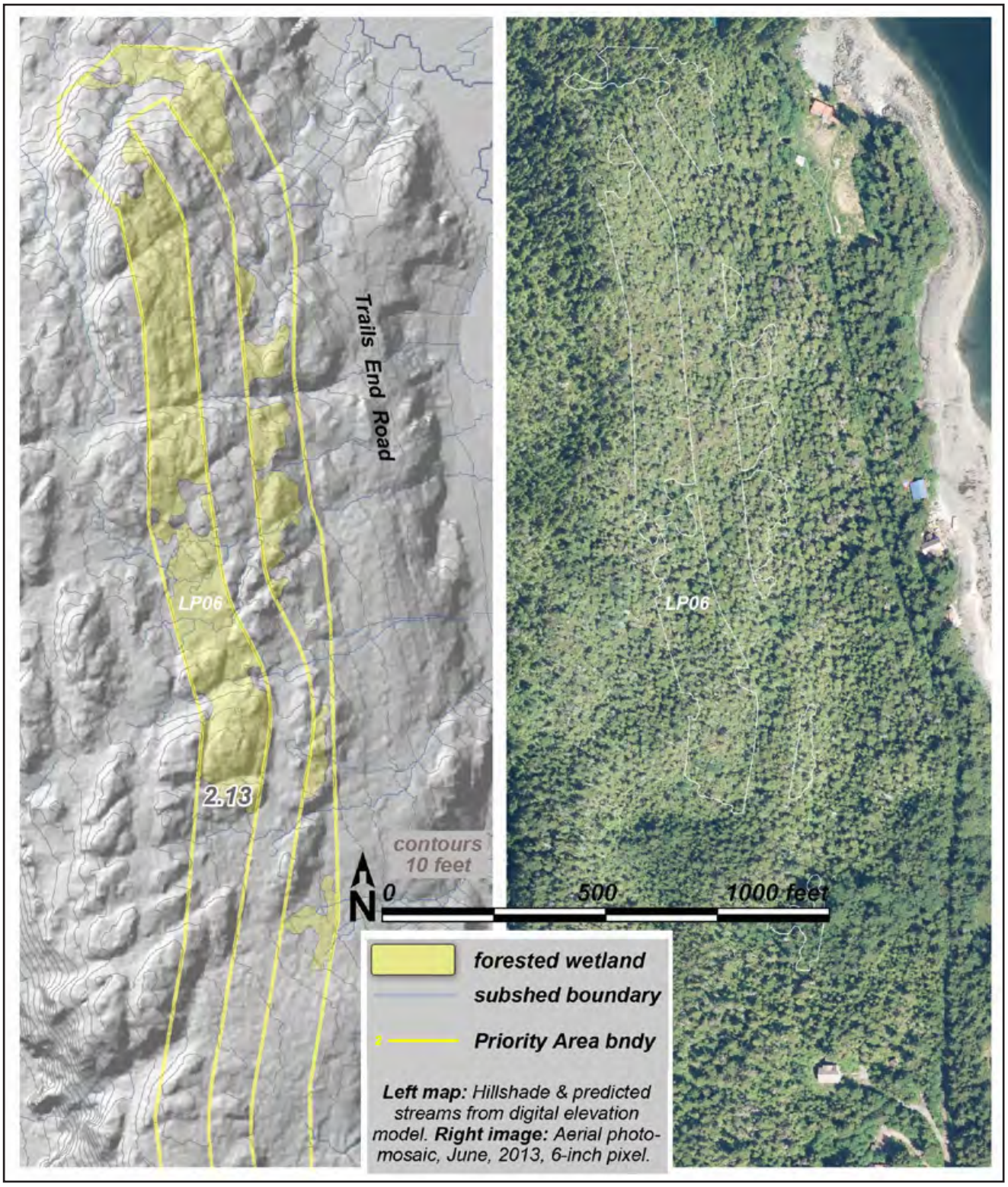
Unit maps for LP03 04

LP04 • **type:** forested peatland • **acres:** 3.1 • **boundary criteria**: w-u, pa • **pin**: 8B3401000100 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

LP06 • **type:** for. peatland • **acres:** 6.1 • **boundary criteria**: w-u, pa • **pin**: 8B3601020070 • no known or probable anadromous fish

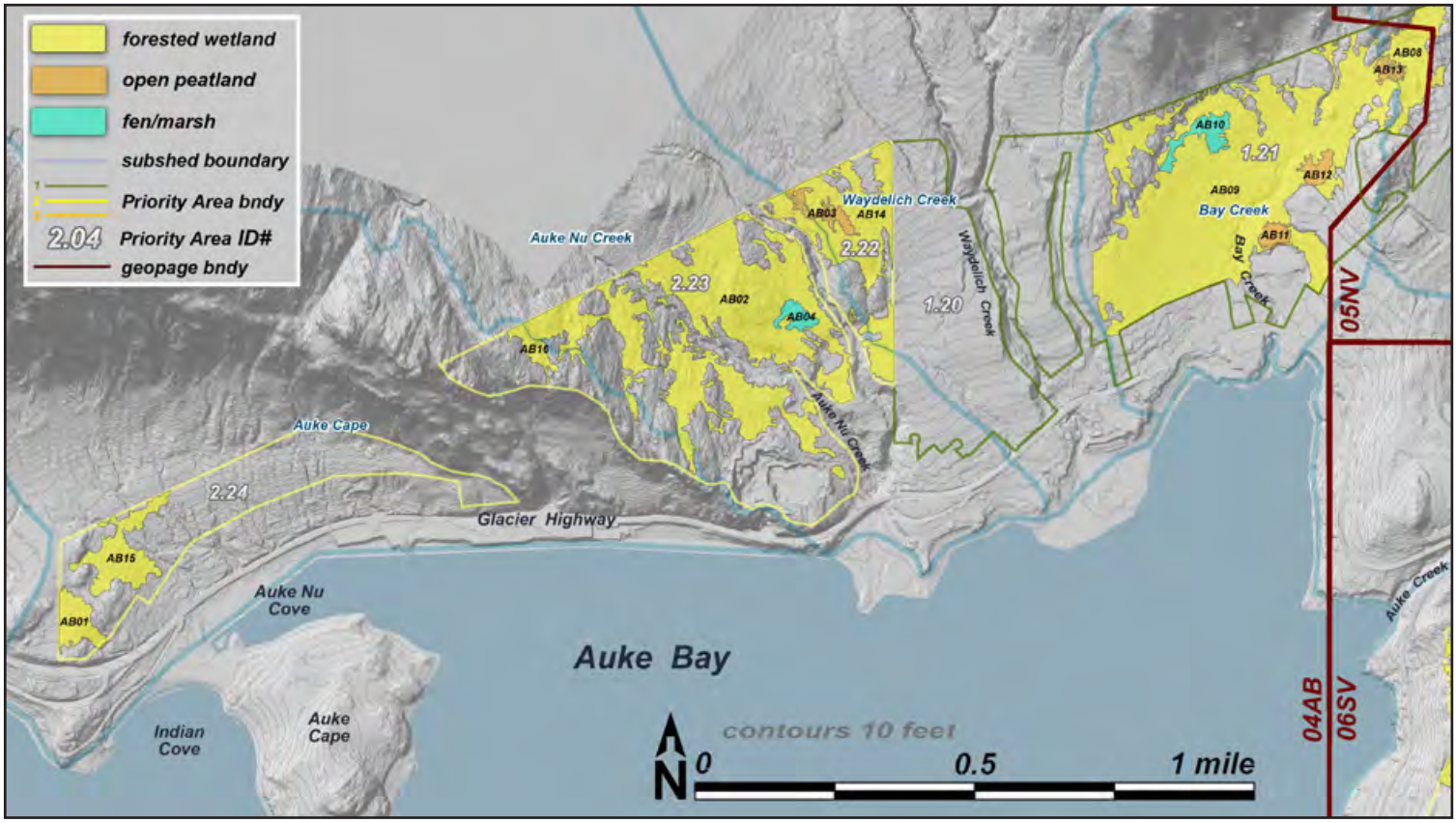
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit map for LP06

LP11 • **type:** forested peatland • **acres:** 5.5 • **boundary criteria**: w-u, pa • **pin**: 8B3301070090, 8B3301010120 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



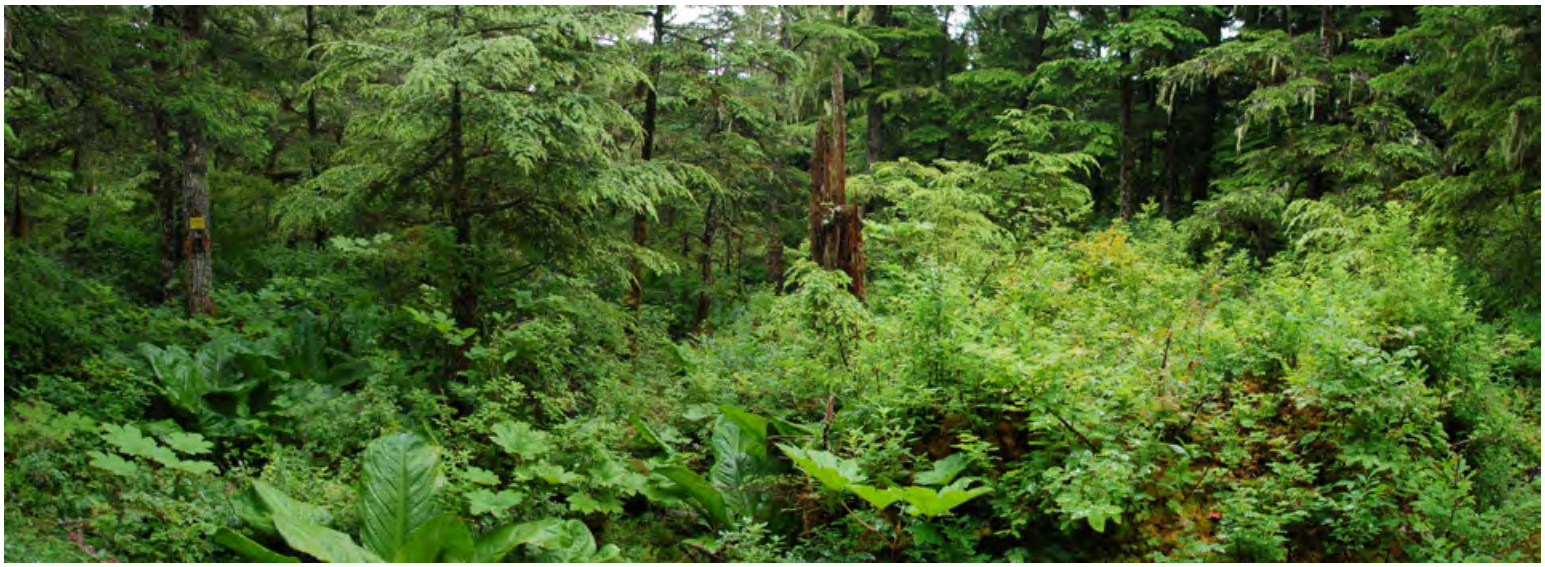
04AB units

CBJ's Auke Bay (AB) map page contains 5 Priority Areas[1] totaling 375 acres, about half of which are on City land. A mile-long band in the middle belongs to the University of Alaska, and another piece framing Waydelich Creek is private.

There are 16 completed wetland Assessment Areas (AAs) on this map page totaling 277 acres, representing 74% of the combined Priority Areas. The large majority of these wetlands are forested (*fw*), with small sphagnum bogs (*op*) on gentle benches to the east, and slightly higher-gradient rich fens (*fm*)

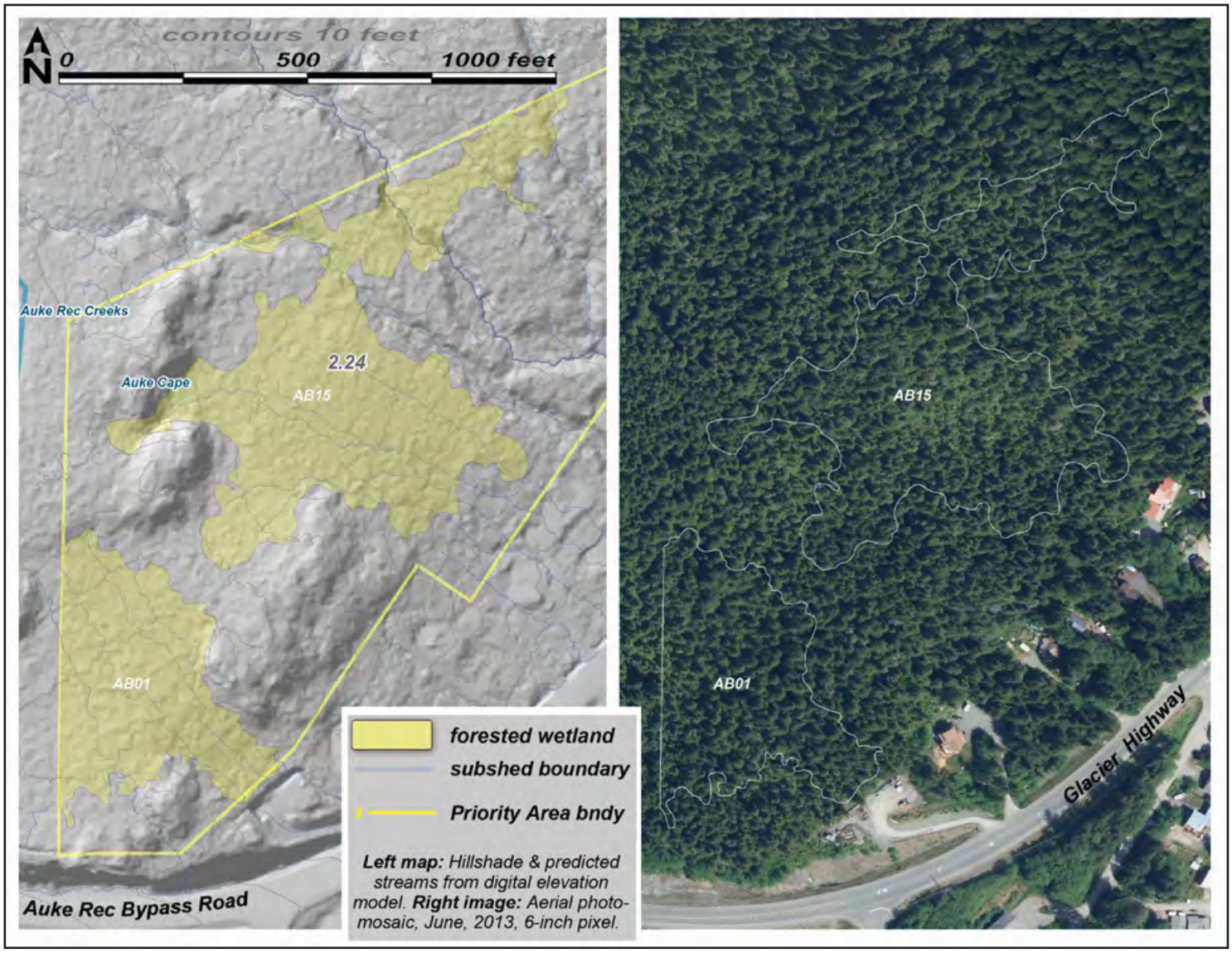
We divided the Auke Bay map page into 5 subsheds, shown here with blue lines. **Auke Cape** subshed drains 0.8 square miles southward through mostly ephemeral channels to beaches on either side of Auke Cape. **Auke Nu Creek** subshed drains 1.6 mi^2 southeast, mostly through the 2 deeply entrenched canyons of the stream it's named for. **Waydelich Creek** subshed drains 2.1 mi^2, in channels that similarly converge and canyonize before passing under Glacier Highway. **Bay Creek** subshed, home of Auke Bay Elementary School, drains 0.4 mi^2.

1 The easternmost PA, 1.21, extends eastward off the Auke Bay map page onto the North Valley map page.

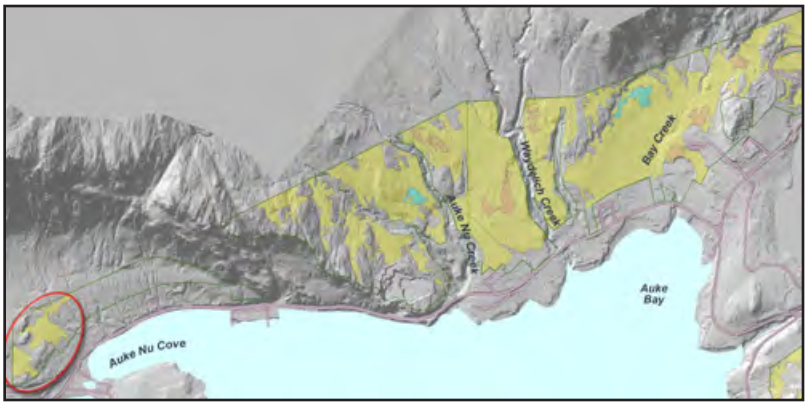


AB01 • **type:** forested peatland • **acres:** 3.7 • **boundary criteria**: w-u, pa • **pin**: 4B3001020020 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

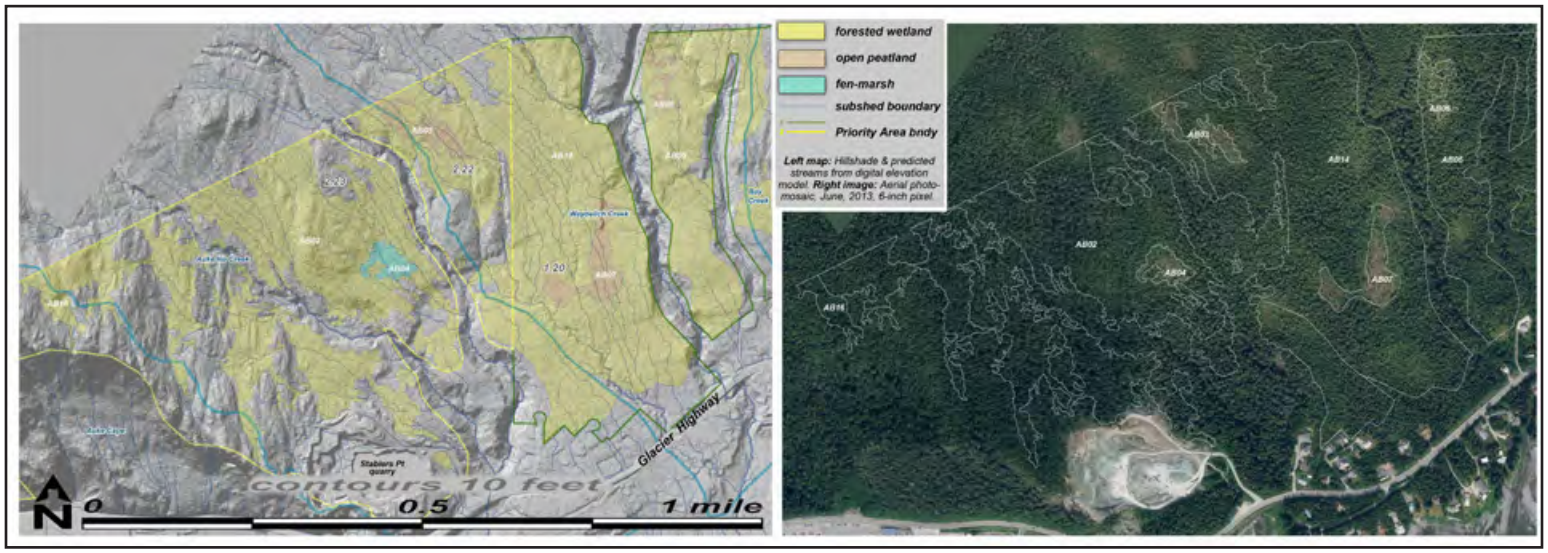


Unit maps for AB01 15

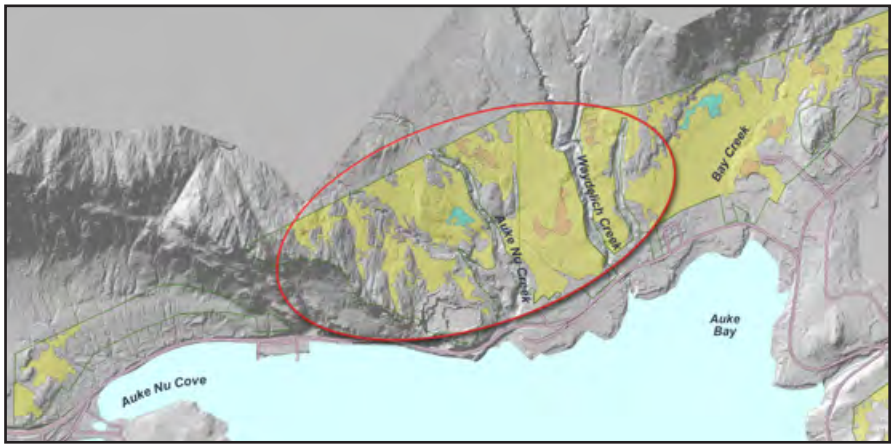


AB02 • **type:** forested peatland • **acres:** 63.2 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 4B3001020020, 21 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for AB02 03 04 05 06 07 14 16



AB03 • **type:** open peatland • **acres:** 2.0 • **boundary criteria**: type, pa • **pin**: 4B3001020020 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

AB04 • **type:** fen/marsh • **acres:** 1.5 • **boundary criteria**: type • **pin**: 4B3001020020 60 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

AB05 • **type:** forested peatland • **acres:** 23.52 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 4B2801040270 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

AB06 • **type:** open peatland • **acres:** 1.09 • **boundary criteria**: type, pa • **pin**: 4B2801040270 • no known or probable anadromous fish • no known or probable anadromous fish

this is just the AB05 table for a placeholder - Paul's xlsx doesn't have the new 2015 additions

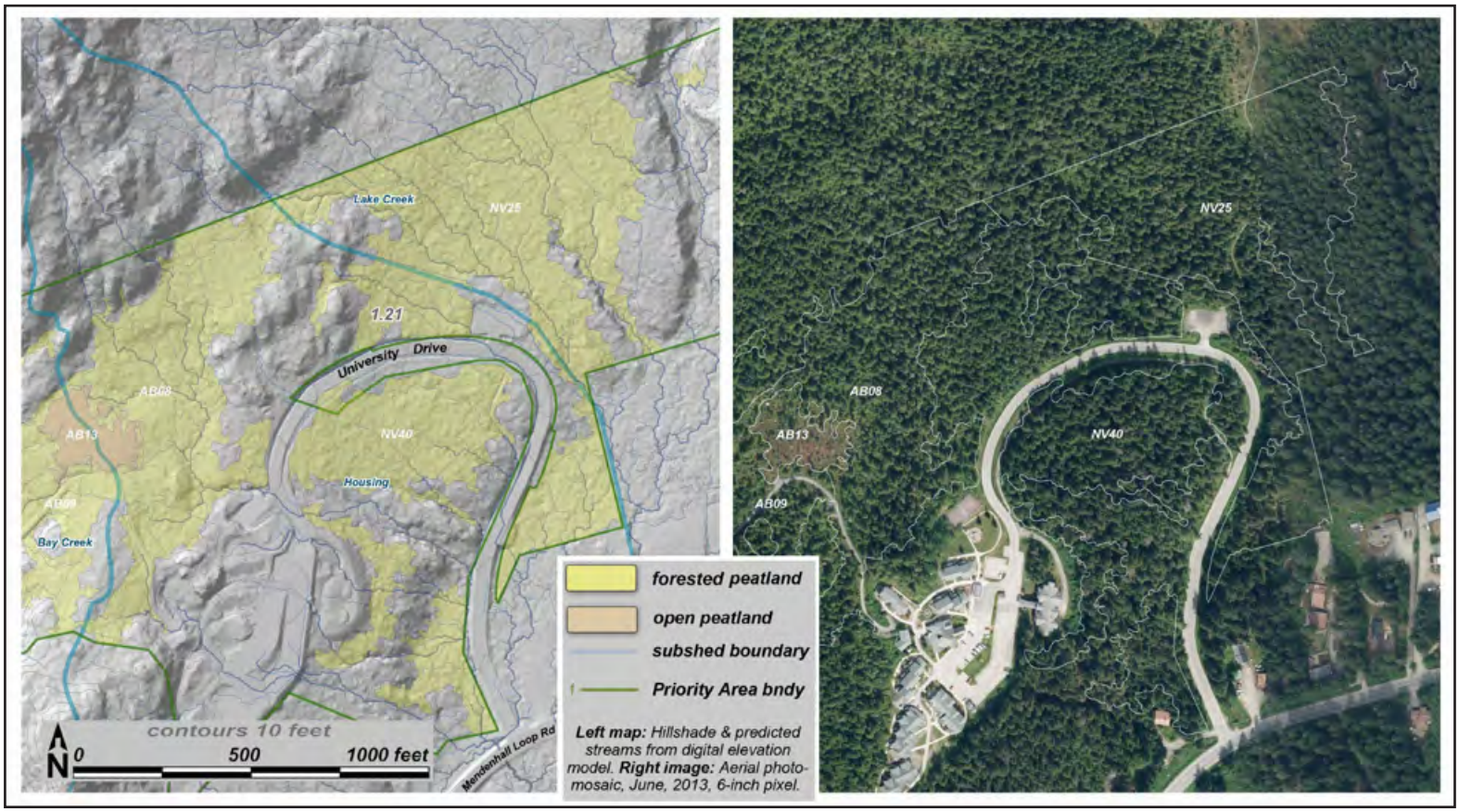
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

AB07 • **type:** open peatland • **acres:** 3.69 • **boundary criteria**: type • **pin**: 4B2801040270 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

AB08 • **type:** for. peatland • **acres:** 9.7 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 4B2801030131, 40 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



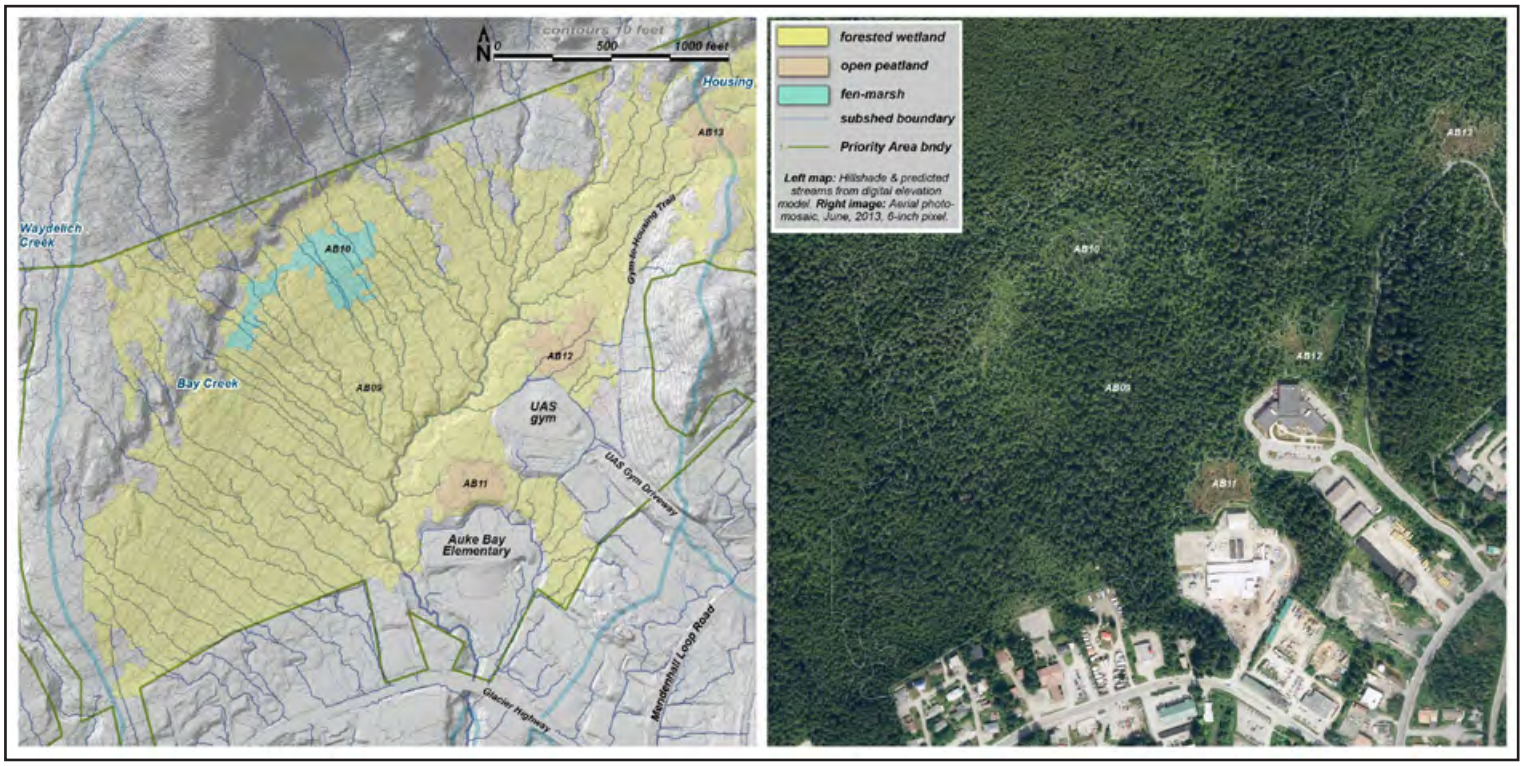
Unit maps for AB08 NV25 40

AB09 • **type:** forested peatland • **acres:** 82.1 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 4B2801030121, 31, 50 • known or probable anadromous fish

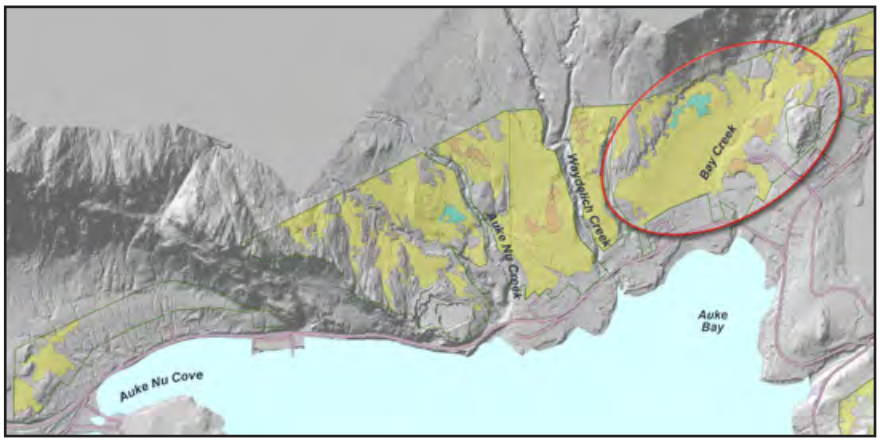
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
A[illegible]dr[illegible] [illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]rd[illegible] [illegible]r[illegible] M[illegible] [illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
N[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r[illegible]N[illegible]E[illegible]r[illegible]	[illegible]	H[illegible]r	N/A[illegible]	N/A[illegible]
C[illegible]r[illegible] [illegible]r[illegible]	[illegible]	H[illegible]r	N/A[illegible]	N/A[illegible]
[illegible]d[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r C[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r[illegible] [illegible] [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
N[illegible]r[illegible] [illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]d[illegible] [illegible] [illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]r[illegible]rd N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
A[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]r[illegible]r[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]d [illegible]r[illegible]r[illegible]	N/A[illegible]	N/A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d E[illegible]C[illegible]d[illegible]	N/A[illegible]	N/A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible] [illegible] [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	[illegible]r

AB10 • **type:** fen/marsh • **acres:** 2.7 • **boundary criteria**: type • **pin**: 4B2801030131 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for AB09 10 11 12 13



AB11 • **type:** open peatland • **acres:** 1.2 • **boundary criteria**: type • **pin**: 4B2801030121, 31 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

AB12 • **type:** open peatland • **acres:** 1.5 • **boundary criteria**: w-u, type • **pin**: 4B2801030121 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
N[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

AB13 • **type:** open peatland • **acres:** 1.03 • **boundary criteria**: type, subsh • **pin**: 4B2801030140 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

AB14 • **type:** forested peatland • **acres:** 14.9 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 4B3001020021 • no known or probable anadromous fish

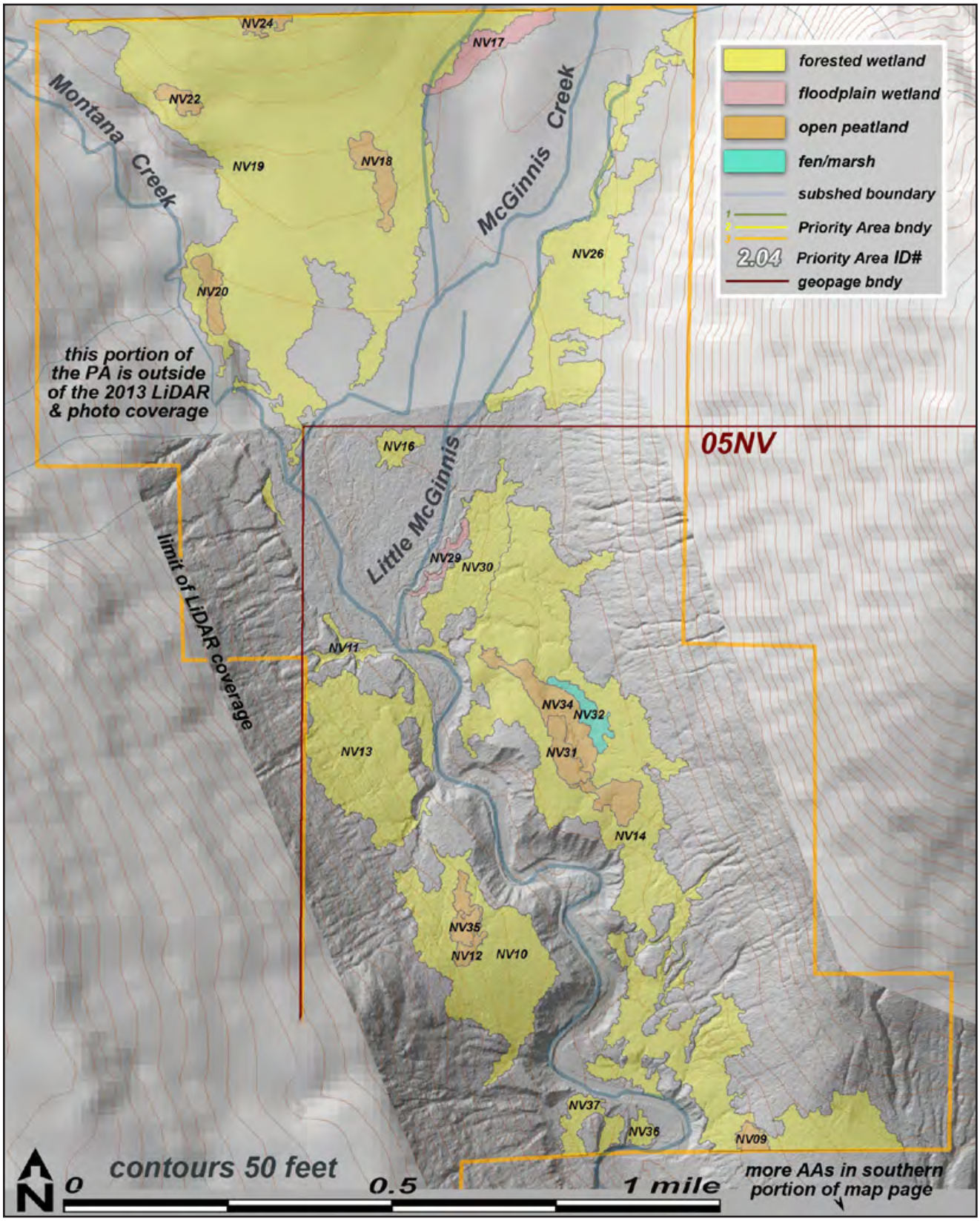
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]

AB15 • **type:** forested peatland • **acres:** 7.3 • **boundary criteria**: w-u, pa • **pin**: 4B3001020020
• no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

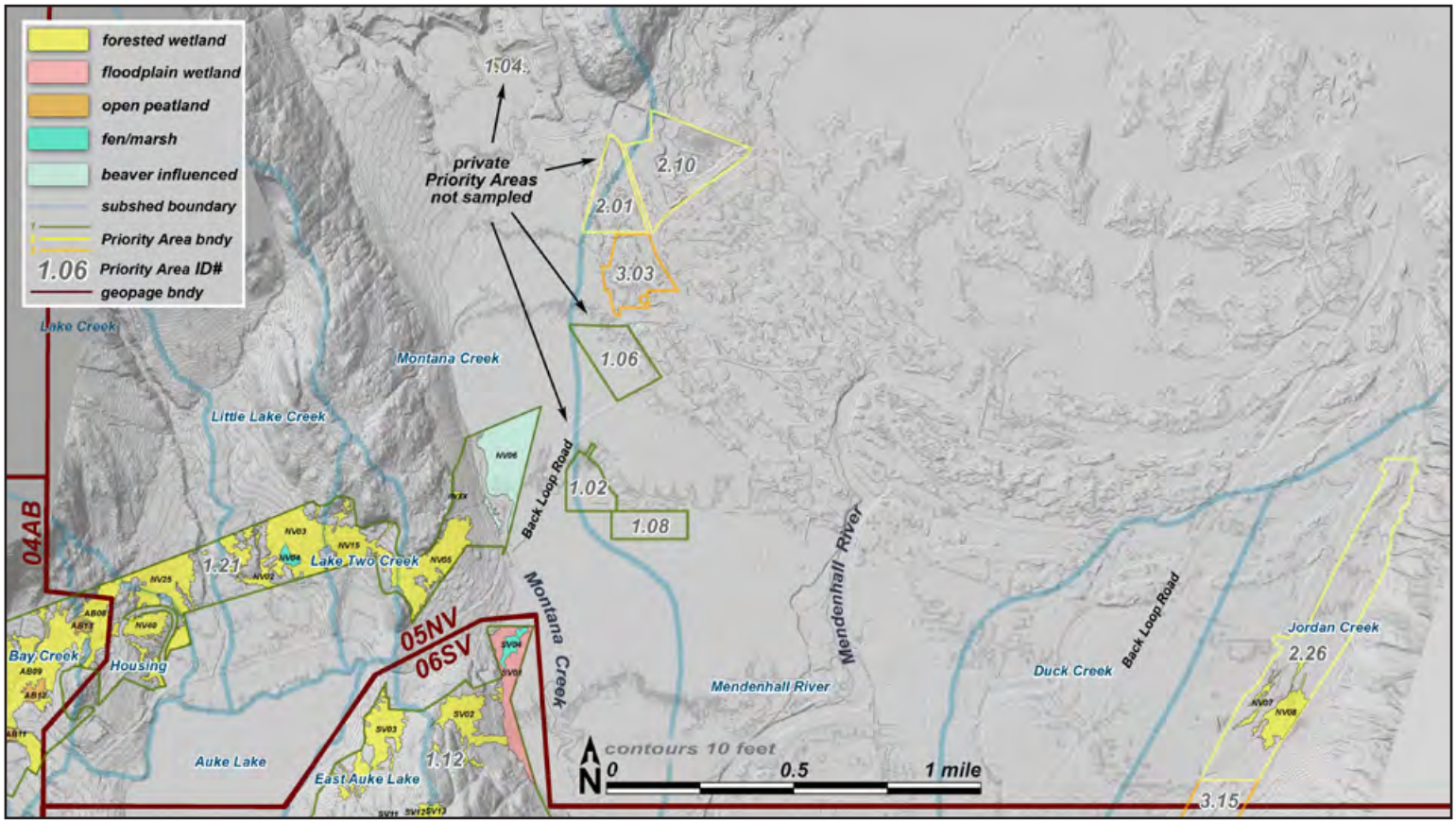
AB16 • **type:** forested peatland • **acres:** 2.2 • **boundary criteria**: w-u, subsh • **pin**: 4B3001020020 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]



05NV units

Within the North Valley (NV) map page, our Assessment Areas were distributed in 2 well-separated clusters. The northern cluster (mapped above) is far up Montana Creek—extending off the terrain covered by the CBJ imagery and LiDAR, onto State Lands at the confluence of Montana and McGinnis Creeks. The southern units span the portion of Mendenhall Valley abutting the USFS Recreation Area.



CBJ's 05NV map page contains 9 Priority Areas totaling 1,206 acres.[1] Only 78 of these acres are on City land at the base of Thunder Mountain. Another 1,040 acres are in the large PA 3.09 owned by the State of Alaska, at the confluence of Montana and McGinnis Creeks. The remaining 100 acres are on 7 privately owned, mostly unsurveyed PAs. In 2025 we did a few "off-site" assessments for these private parcels, strictly in GIS.

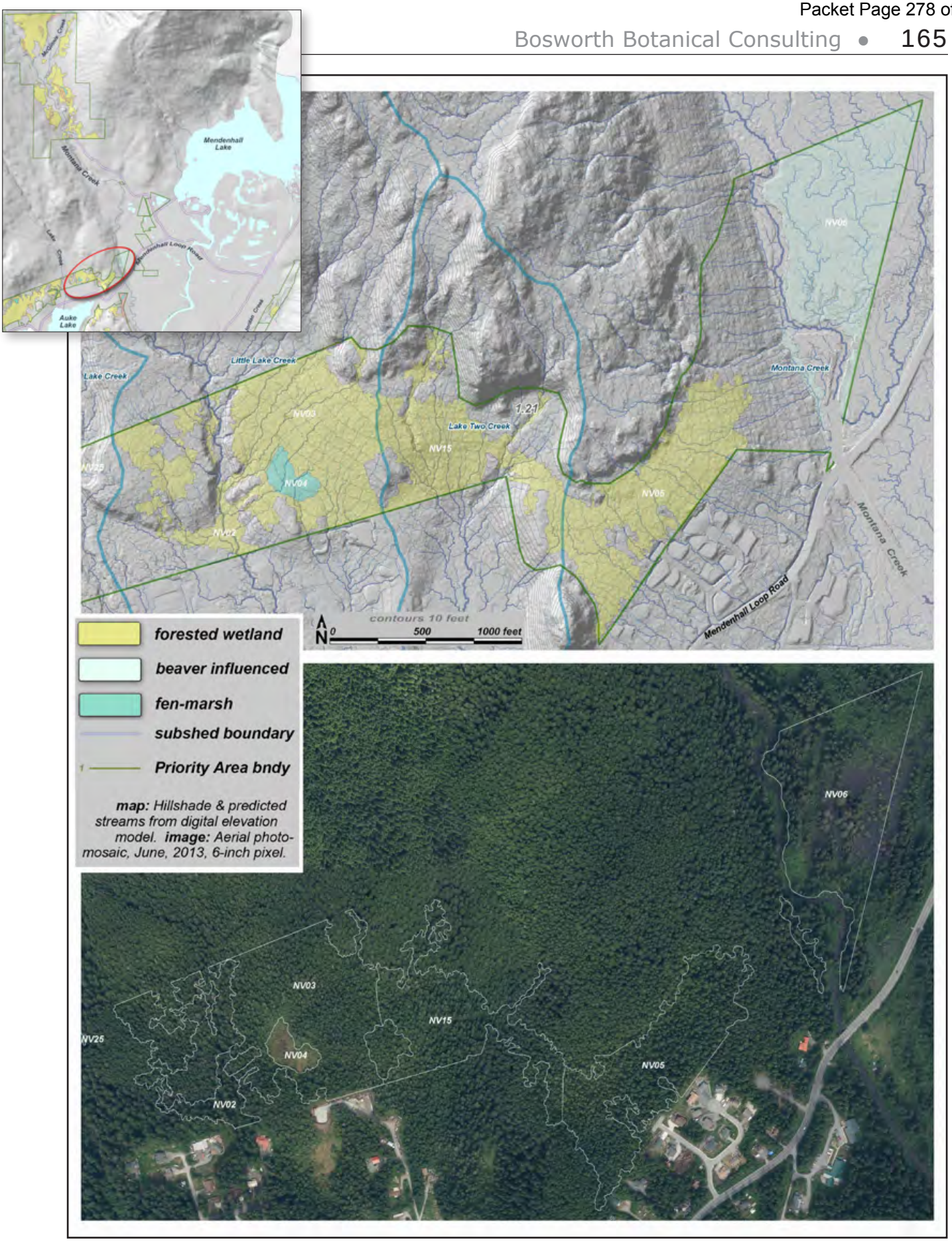
Overall, we completed 31 Assessment Areas on the North Valley map page, totaling 402 acres, or 33% of the combined PAs.

1 This total does not include the portion of PA 1.21, previously described for the Auke Bay map page, that extends eastward onto the NV page.

NV02 • **type:** forested peatland • **acres:** 1.8 • **boundary criteria**: w-u, pa • **pin**: 4B2701080130 • known or probable anadromous fish

This unit was assessed during our training week and was separated from NV03 by a channel—a boundary criteria we later discarded.

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for NV02 03 04 05 06 15

NV03 • **type:** for. peatland • **acres:** 17.7 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 4B2701080130 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NV04 • **type:** fen/marsh • **acres:** 1.1 • **boundary criteria**: type • **pin**: 4B2701080130 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV05 • **type:** forested peatland • **acres:** 13.1 • **boundary criteria**: w-u, pa, subsh • **pin**: 4B2701080130 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

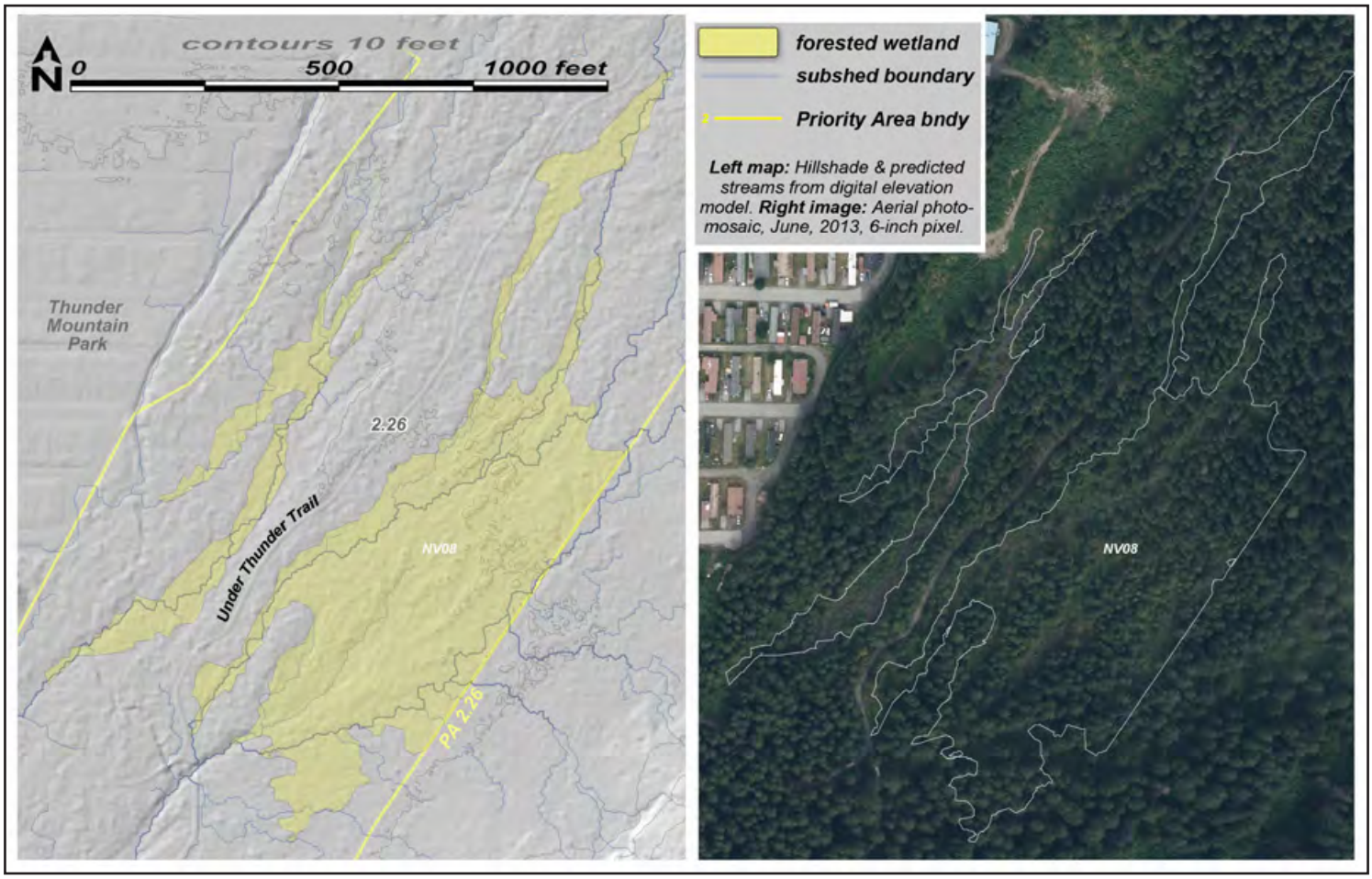
NV06 • **type:** beaver influenced • **acres:** 17.3 • **boundary criteria**: w-u, pa • **pin**: 4B2701080130 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]dr[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]d[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r[illegible] [illegible] [illegible]r[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r [illegible]r[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r [illegible]r[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r C[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible] [illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r[illegible]r[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r[illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]d[illegible] [illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r[illegible]rd N[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]
[illegible]rd[illegible] [illegible]r[illegible] M[illegible] [illegible]H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
A[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]
[illegible]r[illegible]N[illegible]r[illegible]E[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A[illegible]	N/A[illegible]
C[illegible]r[illegible] [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A[illegible]	N/A[illegible]
[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]d [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	H[illegible]r
[illegible]d E[illegible]C[illegible]d[illegible]	N/A[illegible]	N/A[illegible]	[illegible]	H[illegible]r
[illegible] [illegible] [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	H[illegible]r
[illegible]d [illegible]r[illegible]r[illegible]	N/A[illegible]	N/A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A[illegible]	N/A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]

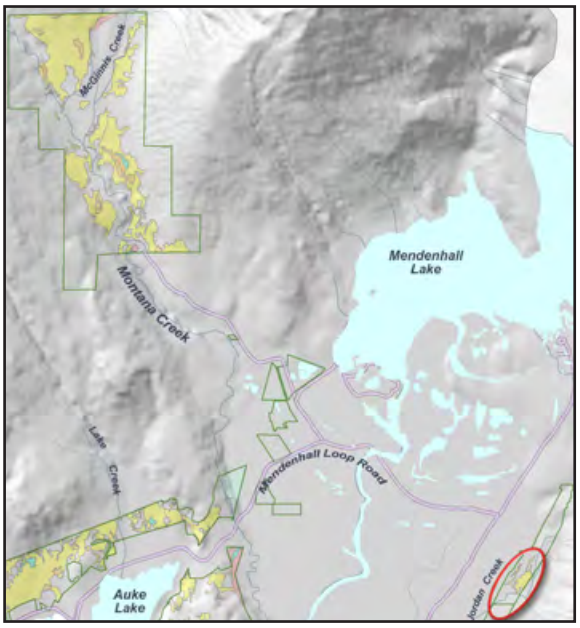
NV08 • **type:** for.peatland • **acres:** 8.6 • **boundary criteria**: w-u, pa • **pin**: 5B2401370171 • no known or probable anadromous fish

table in error: will be recalculated

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

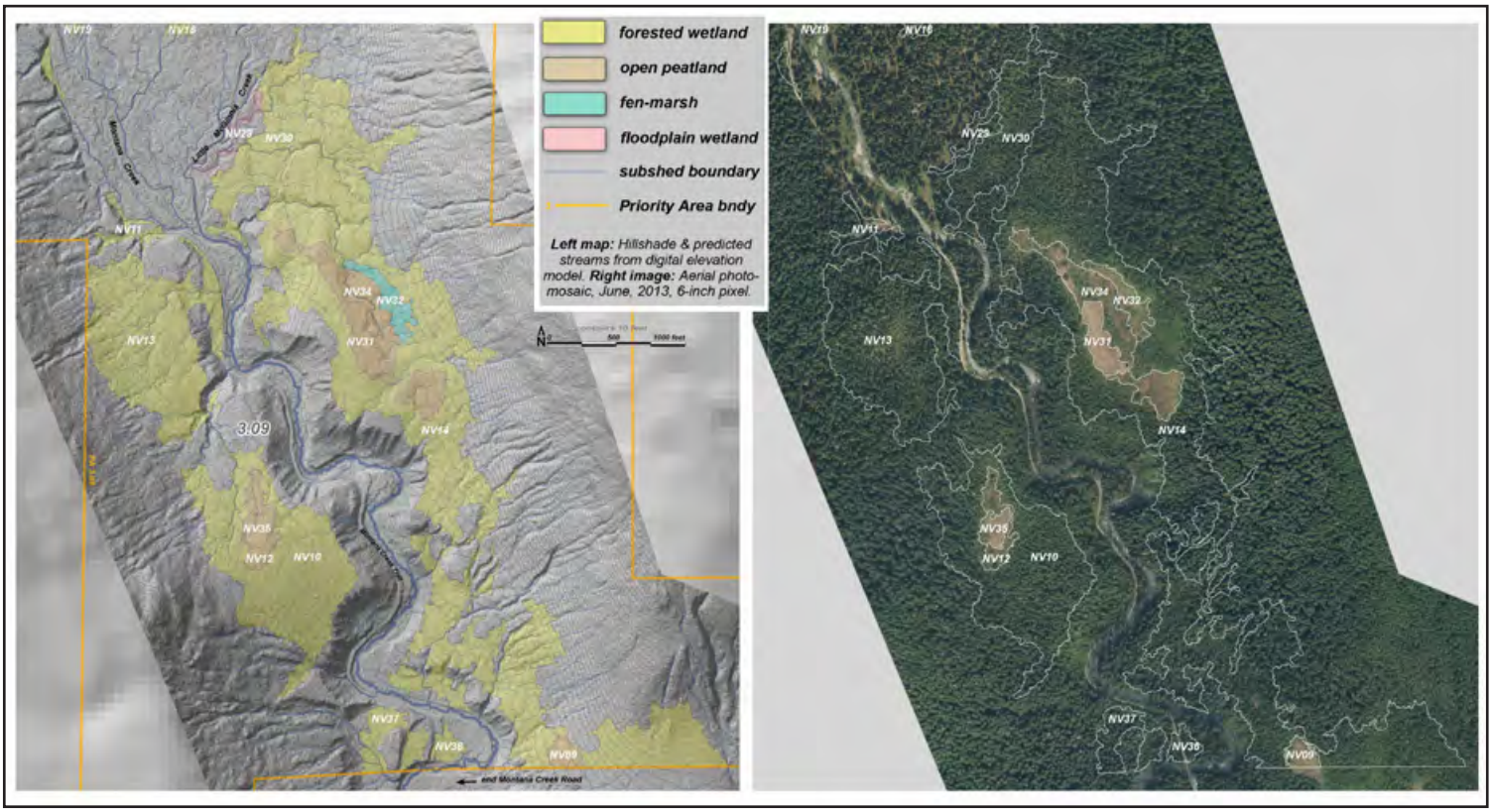


Unit map for NV08

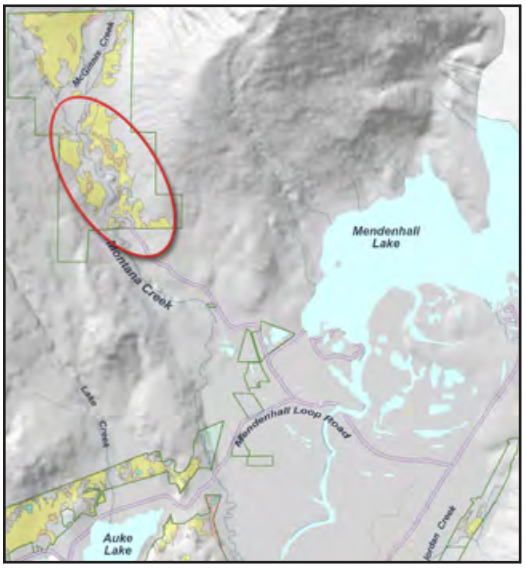


NV09 • **type:** open peatland • **acres:** 1.0 • **boundary criteria**: type, pa • **pin**: 4B2901420050 • no known or probable anadromous fishtables

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for NV09 10 11 12 13 14 29 30 31 32 34 35 36 37



NV10 • **type:** for. peatland • **acres:** 22.8 • **boundary criteria**: w-u, type • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NV11 • **type:** for. peatland • **acres:** 1.9 • **boundary criteria**: w-u • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV12 • **type:** open peatland • **acres:** 1.8 • **boundary criteria**: type • **pin**: 4B2901420050 • no known or probable anadromous fish

□□□□□□□□□ □r □ □□□□r A□r□□□□□	□□□□□□□□□ □□□r□	□□□□□□□□□ □ □□□□□	□□□□□ □□□r□	□□□□□ □ □□□□□
□□□□□□rd□□ □□□□r□□ M□□ □ □□H□□□□□	□□□□	H□□□□r	□□□□	M□d□r□□□
□ □□□r□□rd N□□□□□ H□□□□□	□□□□	H□□□□r	□□□□	M□d□r□□□
□ □□□r □ □r□ □□□	□□□□	H□□□□r	□□□□	□□□ □r
C□r□□□ □□□□□□□r□□□□	□□□□	H□□□□r	N□A□	N□A□
□ □□□r □□□r□□□	□□□□	M□d□r□□□	□□□□□	H□□□□r
□ □□□r□□rd □□□d□□□ H□□□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□□□□□□□r□□ □□□□□□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□ □□□r C□□□□□	□□□□	M□d□r□□□	□□□□	□□□ □r
□r□□□□ N□□r□□□E□□□r□	□□□□	M□d□r□□□	N□A□	N□A□
□□□□□□□□r H□□□□□	□□□□	□□□ □r	□□□□	M□d□r□□□
□r□□□ □□□□ □□□□□r□	□□□□	□□□ □r	□□□□	M□d□r□□□
A□ □□□□□□ H□□□□□	□□□□	□□□ □r	□□□□	M□d□r□□□
□□□r□□□r□□□ H□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
N□□□□ □□□□H□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
□□d□ □□□□ □□□□□□ □ □□□□□□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
N□r□□□ □ □□ □□□□	□□□□	□□□ □r	□□□□	□□□ □r
A□□dr□□ □□□ □□□□ H□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
□□□d□□□□□□ H□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
□ □□□□□d E□□□□□□□□C□□d□□□□	N□A□	N□A□	□□□□	M□d□r□□□
□ □□□□d □□□□□□□□□	N□A□	N□A□	□□□□	□□□ □r
□ □□□□d □r□□□□r□	N□A□	N□A□	□□□□	□□□ □r
□□□□□ □□ □ □□□□□□□□□□	N□A□	N□A□	□□□□	□□□ □r
□ □□□□d □□□	N□A□	N□A□	□□□□	□□□ □r

NV13 • **type:** for. peatland • **acres:** 22.4 • **boundary criteria**: w-u, pa • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NV14 • **type:** for. peatland • **acres:** 76.2 • **boundary criteria**: w-u, type, pa • **pin**: 4B2901420050 • no known or probable anadromous fish

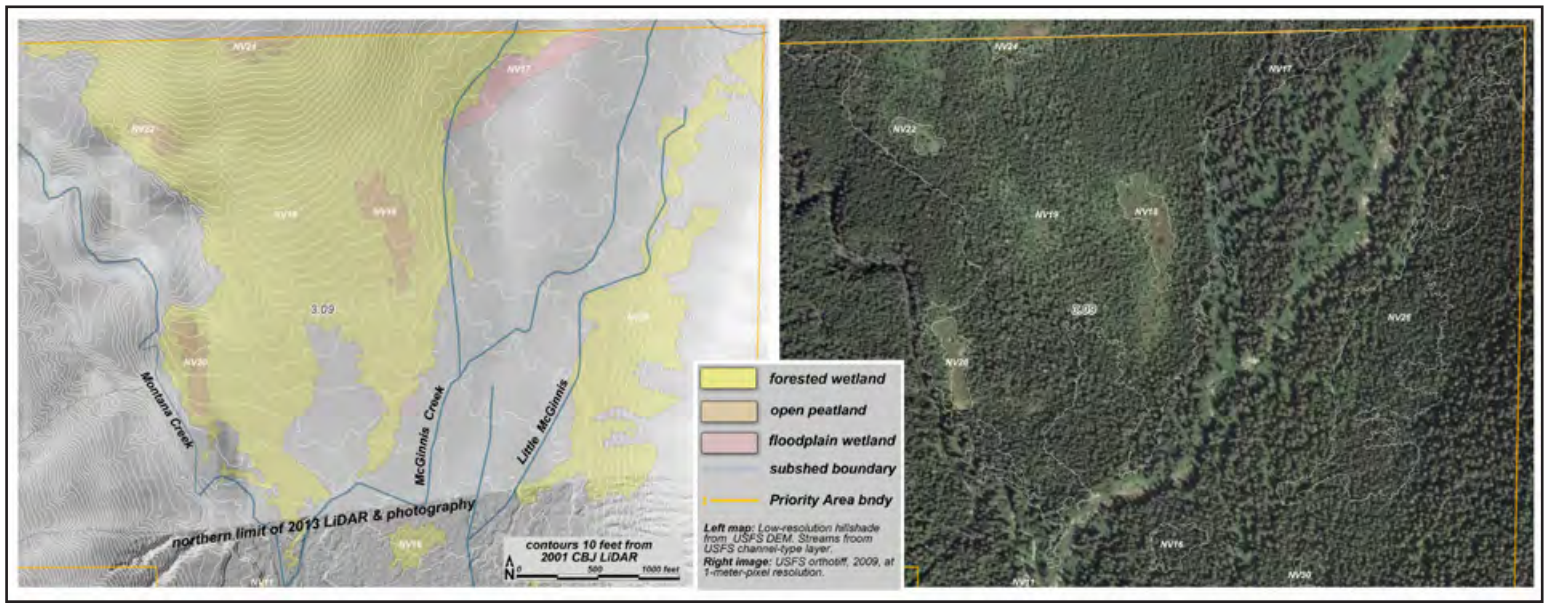
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV15 • **type:** forested peatland • **acres:** 9.9 • **boundary criteria**: w-u, type, subsh • **pin**: 4B2701080130 • no known or probable anadromous fish

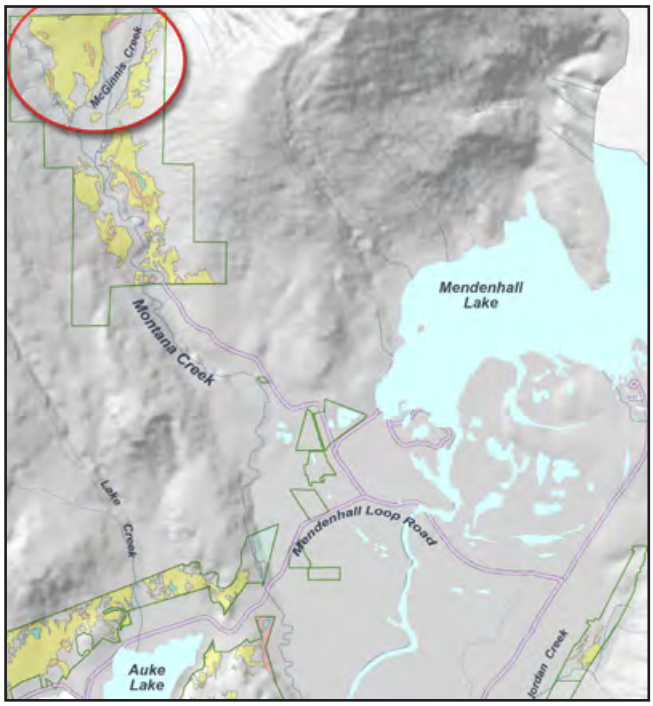
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NV16 • **type:** forested peatland • **acres:** 1.9 • **boundary criteria**: w-u • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for NV16 17 18 19 20 22 24 26



NV17 • **type:** floodplain wetland • **acres:** 4.1 • **boundary criteria**: w-u, type, pa • **pin**: 4B2901420050 • no known or probable anadromous fish

fish probable -table to be recalculated

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NV18 • **type:** open peatland • **acres:** 3.0 • **boundary criteria**: type • **pin**: 4B2901420050 • no known or probable anadromous fish

□□□□□□□□□ □r □ □□□r A□□□□□□□	□□□□□□□□□ □□□r□	□□□□□□□□□ □ □□□□□	□□□□□ □□□r□	□□□□□ □ □□□□□
□□□□□□rd□□ □□□□r□□ M□□ □ □□H□□□□□□	□□□□	H□□□□r	□□□□	M□d□r□□□
□□□□□□□□r H□□□□□□	□□□□	H□□□□r	□□□□	M□d□r□□□
□ □□□r □ □r□ □□□	□□□□	H□□□□r	□□□□	M□d□r□□□
C□r□□□ □□□□□□□r□□□□	□□□□	H□□□□r	N□A□	N□A□
A□ □□□□□□□ H□□□□□□	□□□□	M□d□r□□□	□□□□	H□□□□r
□□r□□□ □□□□ □□□□□r□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□ □□□r□□rd N□□□□□□ H□□□□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□ □□□r□□rd □□□d□□□ H□□□□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□ □□□r C□□□□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□□□□□□□r□□ □ □□□□□□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□□□□r□□□r□□□ H□□□□□□	□□□□	M□d□r□□□	□□□□	□□□□r
N□□□□□ □□□□□H□□□□□□	□□□□	M□d□r□□□	□□□□	□□□□r
□ □□□r □□□r□□□	□□□□	M□d□r□□□	□□□□	□□□□r
□r□□□□□N□□r□□□□E□□□r□	□□□□	M□d□r□□□	N□A□	N□A□
□□d□□ □□□□ □□□□□□□ □ □□□□□□□□□□	□□□□	□□□□r	□□□□	□□□□r
N□□r□□□ □ □□ □□□□	□□□□	□□□□r	□□□□	□□□□r
A□□dr□□ □□□ □□□□ H□□□□□□	□□□□	□□□□r	□□□□	□□□□r
□ □□□d□□□□□□□ H□□□□□□	□□□□	□□□□r	□□□□	□□□□r
□□□□□□ □ □□ □ □□□□□□□□□□	N□A□	N□A□	□□□□	H□□□□r
□ □□□□□d E□□□□□□□□C□□d□□□□	N□A□	N□A□	□□□□	M□d□r□□□
□ □□□□□d □□□□□□□□□□	N□A□	N□A□	□□□□	□□□□r
□ □□□□□d □□r□□□□r□	N□A□	N□A□	□□□□	□□□□r
□ □□□□□d □□□□	N□A□	N□A□	□□□□	□□□□r

NV19 • **type:** forested peatland • **acres:** 118.9 • **boundary criteria**: w-u, type, pa • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NV20 • **type:** open peatland • **acres:** 2.0 • **boundary criteria**: type • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV22 • **type:** open peatland • **acres:** 1.2 • **boundary criteria**: type • **pin**: 4B2901420050 • no known or probable anadromous fish

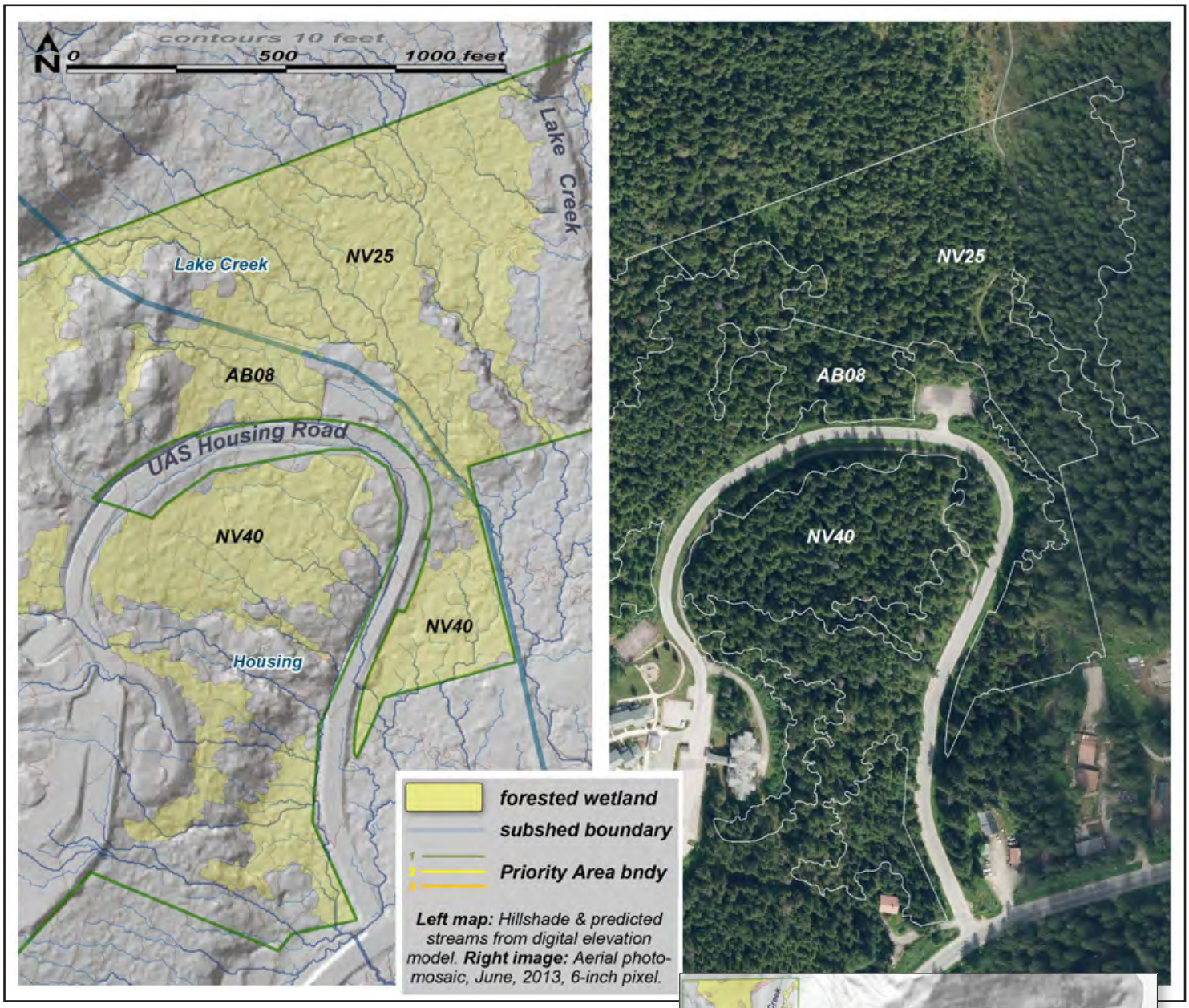
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV24 • **type:** open peatland • **acres:** 1.0 • **boundary criteria**: type, pa • **pin**: 4B2901420050 • no known or probable anadromous fish

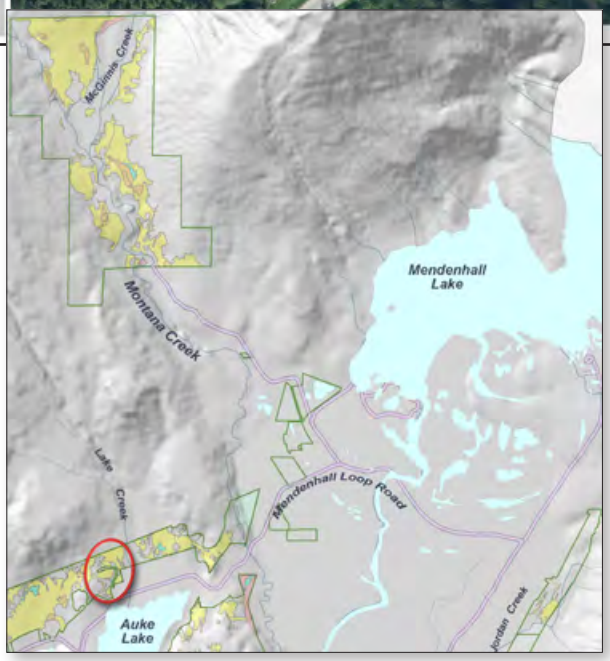
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV25 • **type:** forested peatland • **acres:** 9.8 • **boundary criteria**: w-u, pa, subsh • **pin**: 4B2801030131 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for NV25 40



NV26 • **type:** forested peatland • **acres:** 27.8 • **boundary criteria**: w-u, pa • **pin**: 4B2901420050
• no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV29 • **type:** floodplain wetland • **acres:** 1.0 • **boundary criteria**: w-u, type • **pin**: 4B2901420050
• known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NV30 • **type:** forested peatland • **acres:** 10.1 • **boundary criteria**: w-u, type • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV31 • **type:** open peatland • **acres:** 2.2 • **boundary criteria**: type • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV32 • **type:** fen/marsh • **acres:** 2.0 • **boundary criteria**: type • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV34 • **type:** open peatland • **acres:** 7.4 • **boundary criteria**: type • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV35 • **type:** open peatland • **acres:** 1.1 • **boundary criteria**: type • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV36 • **type:** for. peatland • **acres:** 1.1 • **boundary criteria**: w-u • **pin**: 4B2901420050 • known or probable anadromous

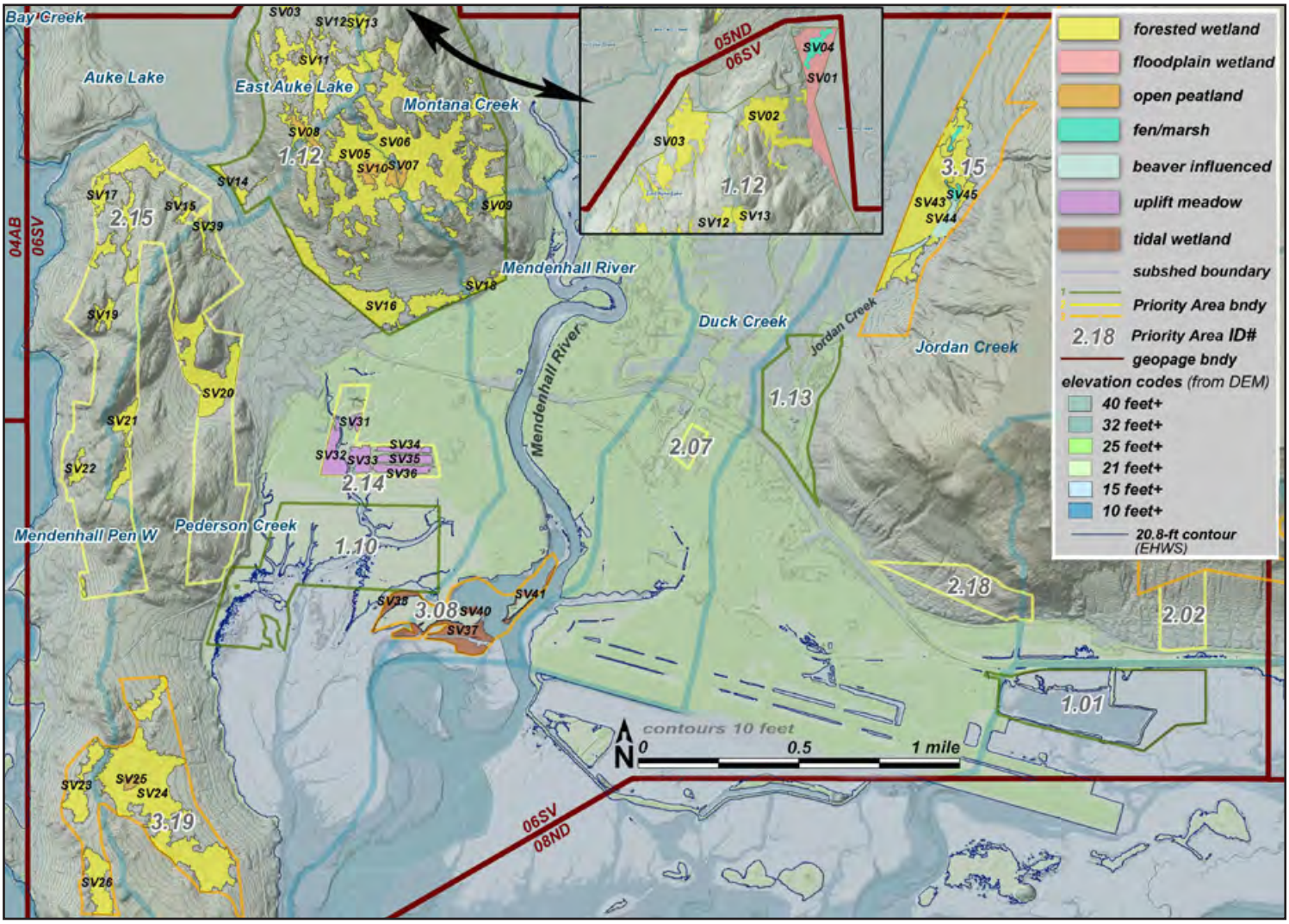
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]

NV37 • **type:** for. peatland • **acres:** 3.2 • **boundary criteria**: w-u, pa • **pin**: 4B2901420050 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

NV40 • **type:** for. peatland • **acres:** 8.4 • **boundary criteria**: w-u, pa, subsh • **pin**: 4B2801030140, 50 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



06SV units

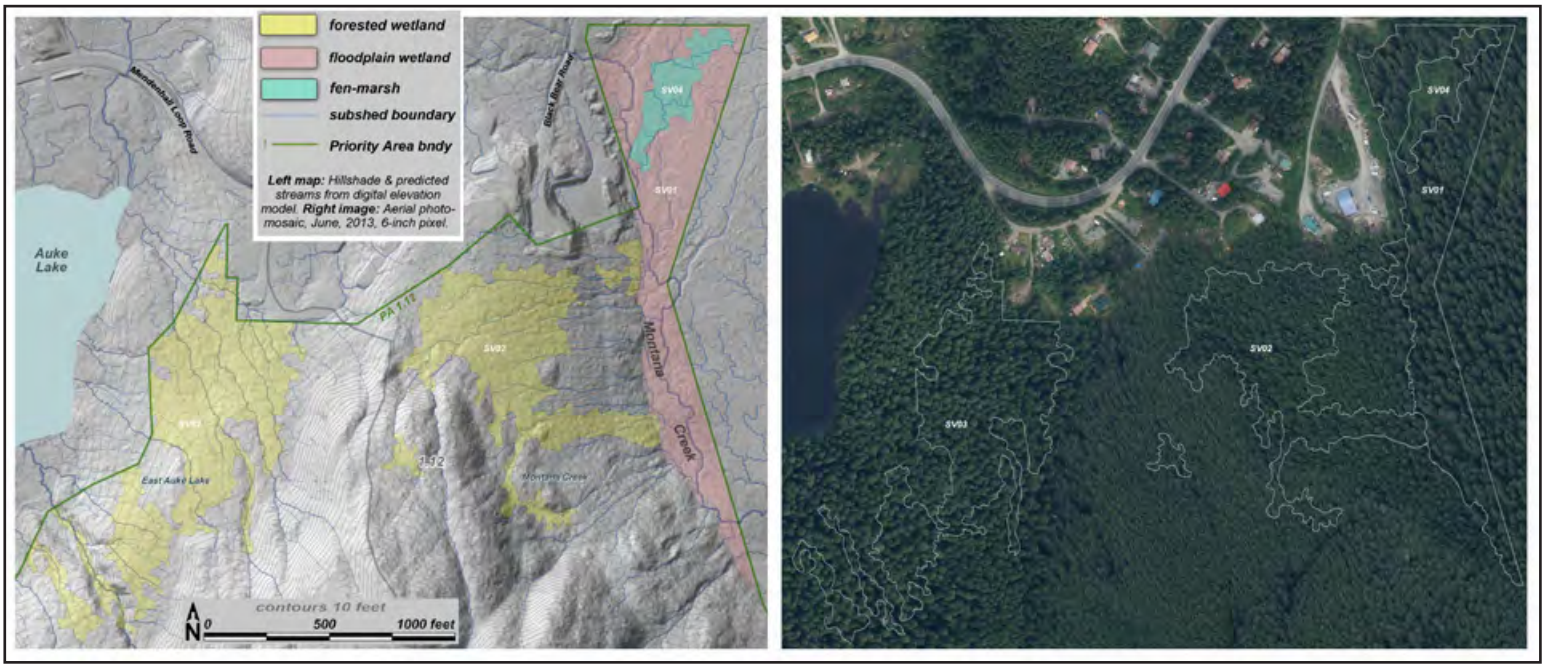
CBJ's South Valley (SV) map page contains 12 Priority Areas totaling 1,161 acres. About 770 acres are on City land. The eastern half of PA 1.12 (Hill 560) belongs to the University of Alaska and another large parcel between Glacier Valley school and Thunder Mountain is State land. The rest of the scattered PAs on the South Valley map page are private, totaling 480 acres. We did not survey them.

We delineated 8 'subsheds' on the South Valley map page, shown here with blue lines.

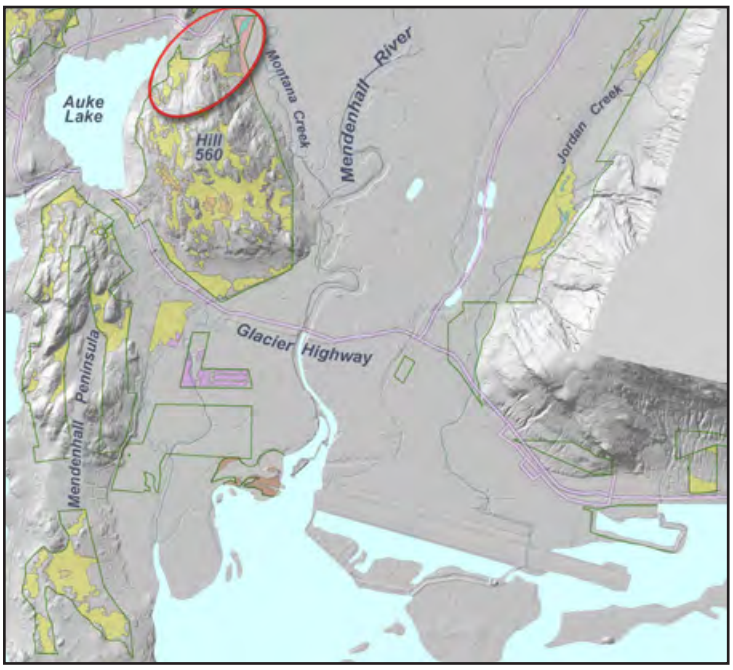
We completed 43 Assessment Areas on the SV page, totaling 409 acres, or 35% of the combined PAs. Discounting the unsurveyed private PAs, that percentage increases substantially.

SV01 • **type:** floodplain wetland • **acres:** 10.5 • **boundary criteria**: w-u, type, pa • **pin**: 4B2201010010, 21 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for SV01 02 03 04



SV02 • **type:** forested peatland • **acres:** 9.3 • **boundary criteria**: w-u, type, pa • **pin**: 4B2201010021 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV03 • **type:** forested peatland • **acres:** 11.8 • **boundary criteria**: w-u, pa • **pin**: 4B2201010010 • no known or probable anadromous fish

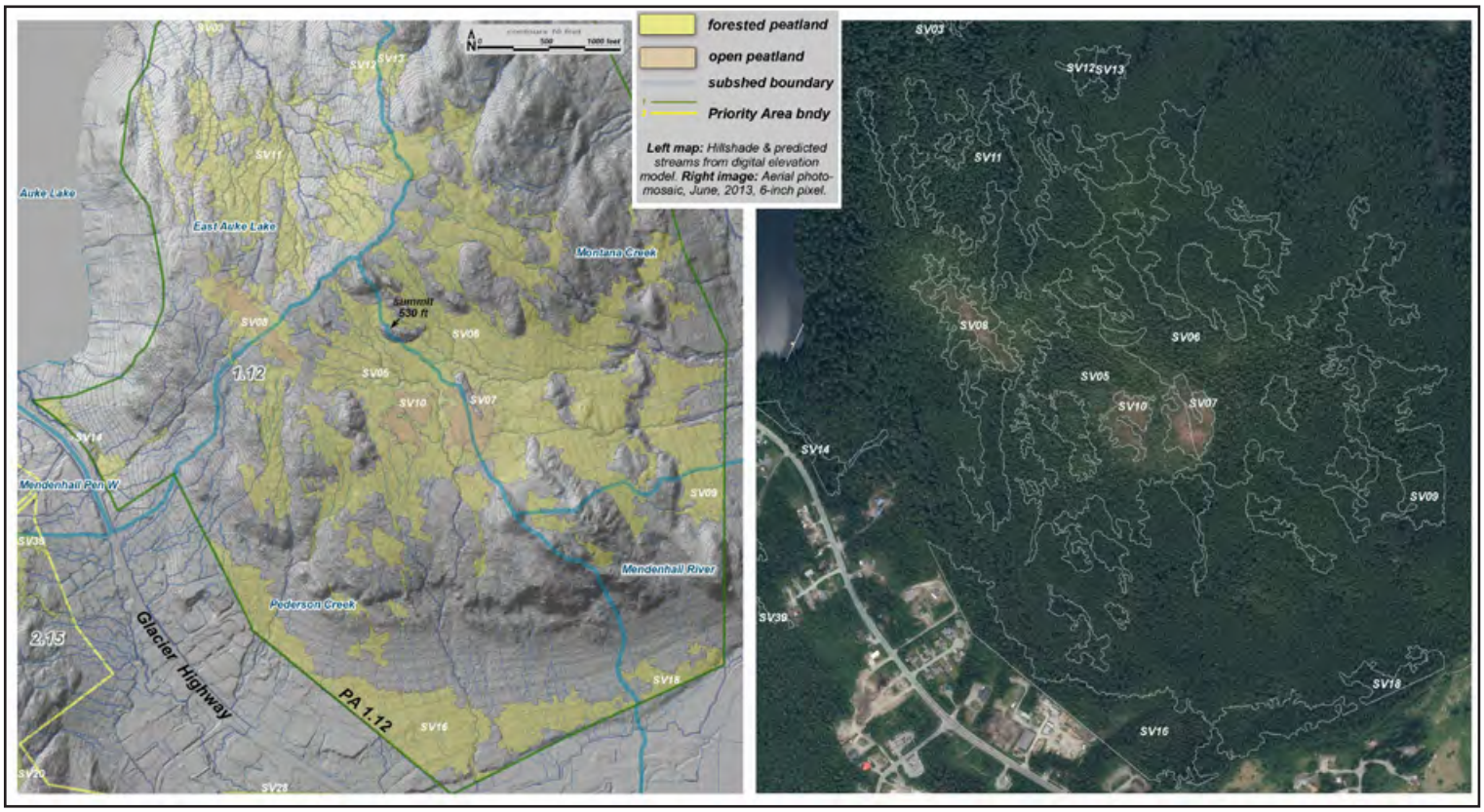
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV04 • **type:** fen/marsh • **acres:** 1.8 • **boundary criteria**: w-u, type, pa • **pin**: 4B2201010021 • known or probable anadromous fish

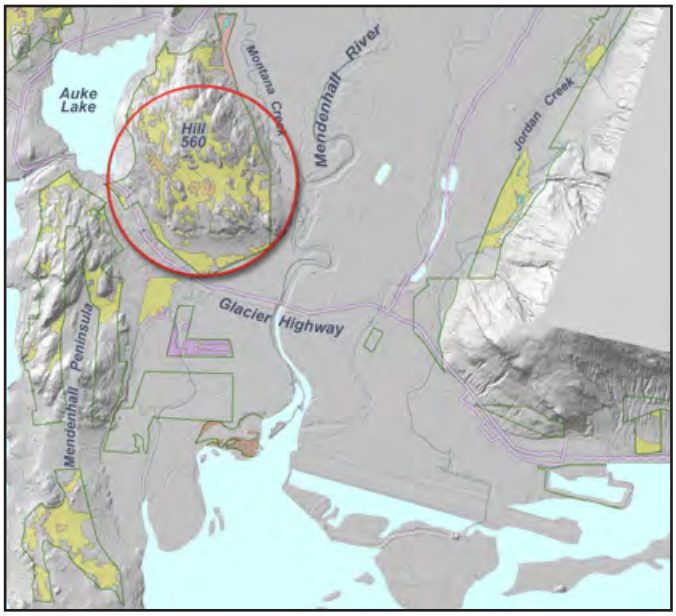
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV05 • **type:** forested peatland • **acres:** 35.9 • **boundary criteria**: w-u, type, subsh • **pin**: 4B2201010100 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for SV05 06 07 08 09 10 11 12 13 14 16 18



SV06 • **type:** forested peatland • **acres:** 58.2 • **boundary criteria**: w-u, type, subsh, pa • **pin**: 4B2201010021 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV07 • **type:** open peatland • **acres:** 1.3 • **boundary criteria**: w-u, type, subsh • **pin**: 4B2201010100 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV08 • **type:** open peatland • **acres:** 2.0 • **boundary criteria**: w-u, type, subsh • **pin**: 4B2201010010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV09 • **type:** for. peatland • **acres:** 5.0 • **boundary criteria**: w-u, subsh, pa • **pin**: 4B2201010080 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV10 • **type:** open peatland • **acres:** 3.6 • **boundary criteria**: w-u, type, subsh • **pin**: 4B2201010100 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV11 • **type:** forested peatland • **acres:** 26.9 • **boundary criteria**: w-u, type, subsh • **pin**: 4B2201010100 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV12 • **type:** for. peatland • **acres:** 1.1 • **boundary criteria**: w-u, subsh • **pin**: 4B2201010010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV13 • **type:** forested peatland • **acres:** 1.3 • **boundary criteria**: w-u, subsh • **pin**: 4B2201010010 • no known or probable anadromous fish

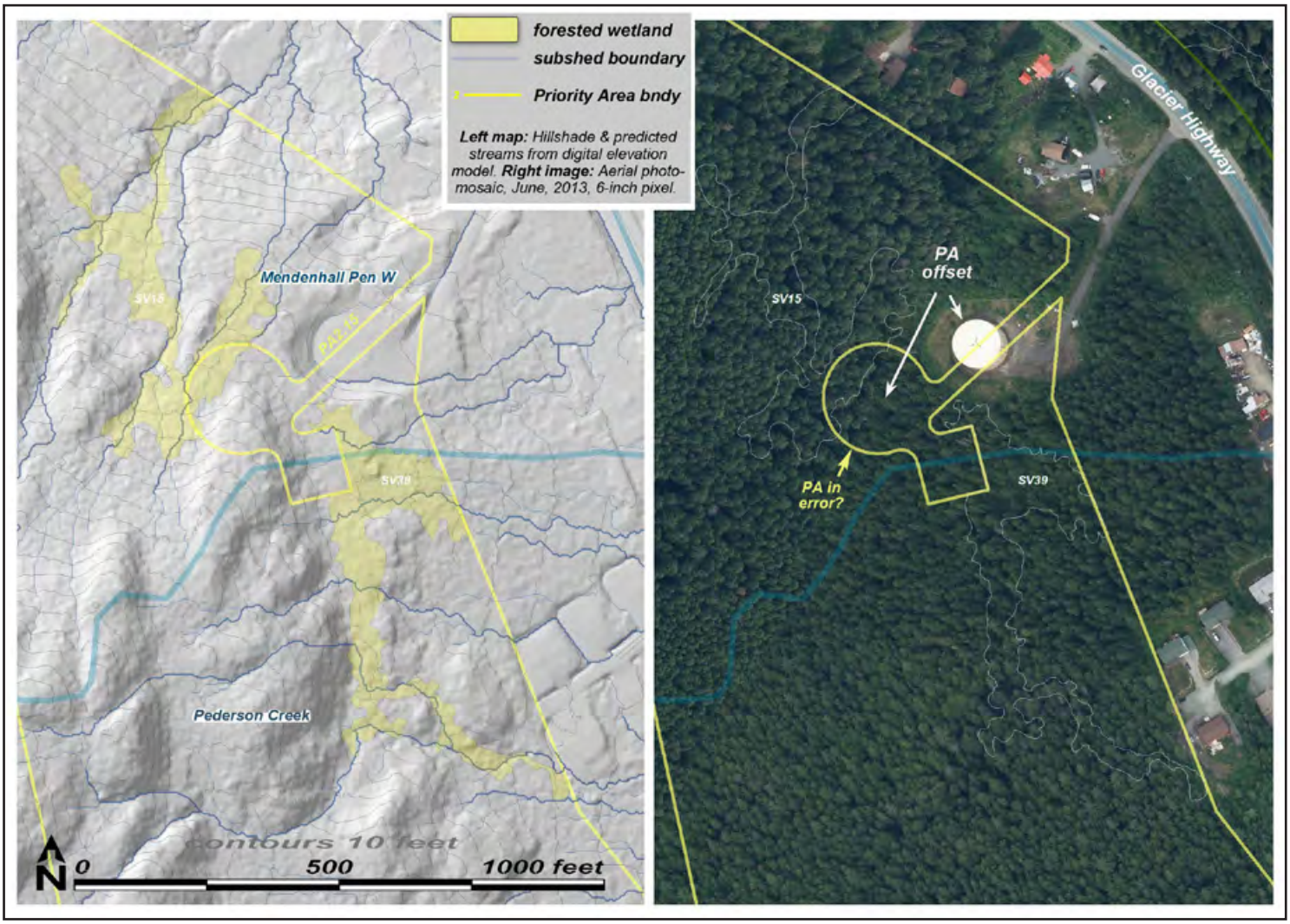
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV14 • **type:** for. peatland • **acres:** 2.1 • **boundary criteria**: w-u, pa • **pin**: 4B2201010010 • no known or probable anadromous fish

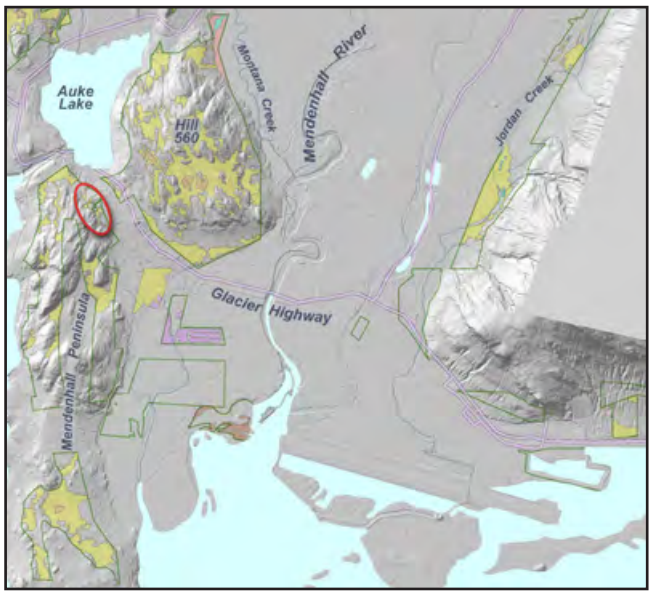
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]

SV15 • **type:** for. peatland • **acres:** 1.7 • **boundary criteria**: w-u, pa • **pin**: 4B2301010170 • no known or probable anadromous

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for SV15 39

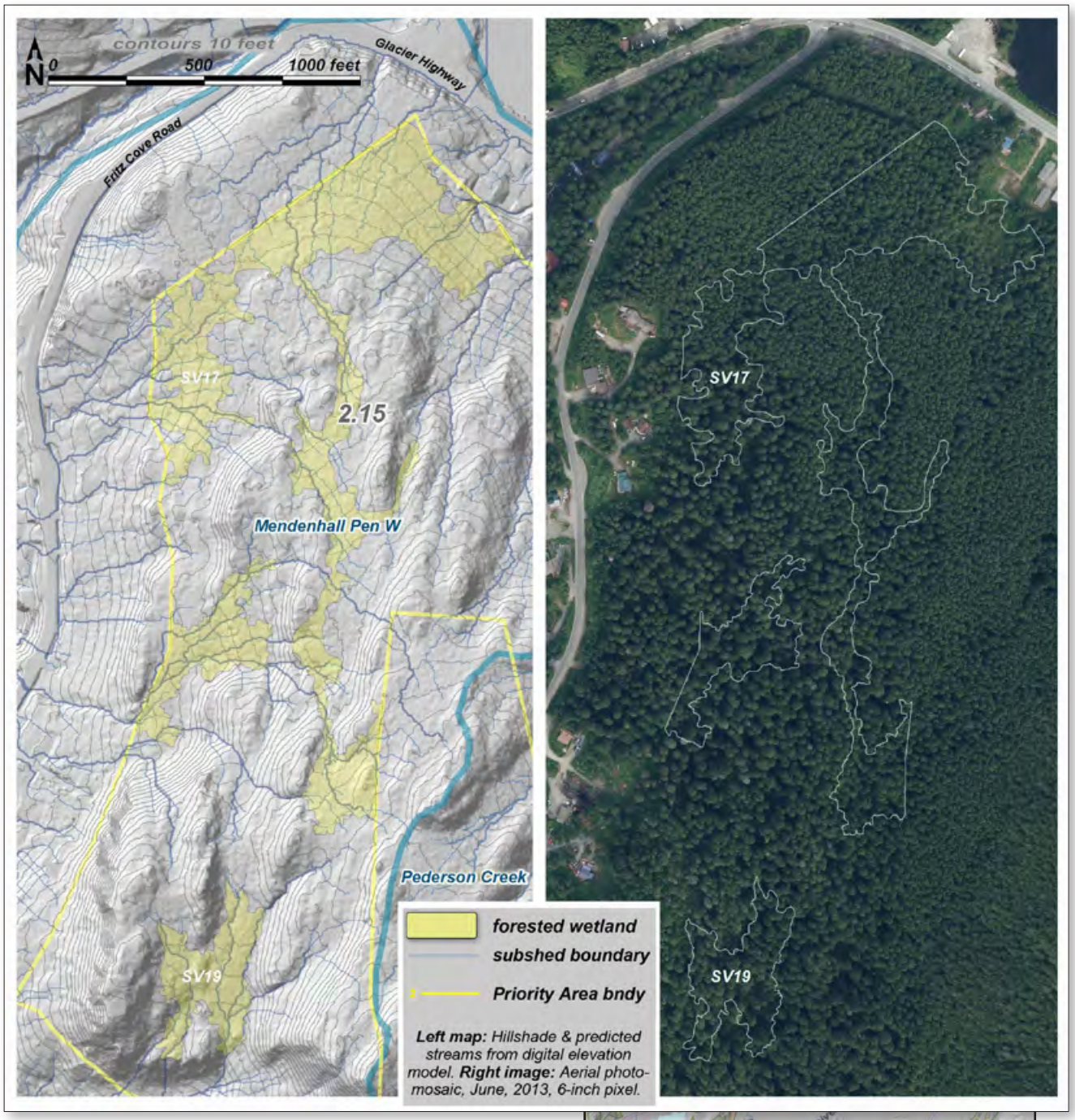


SV16 • **type:** for. peatland • **acres:** 20.4 • **boundary criteria**: w-u, pa • **pin**: 4B2201010100, 80 • no known or probable anadromous fish

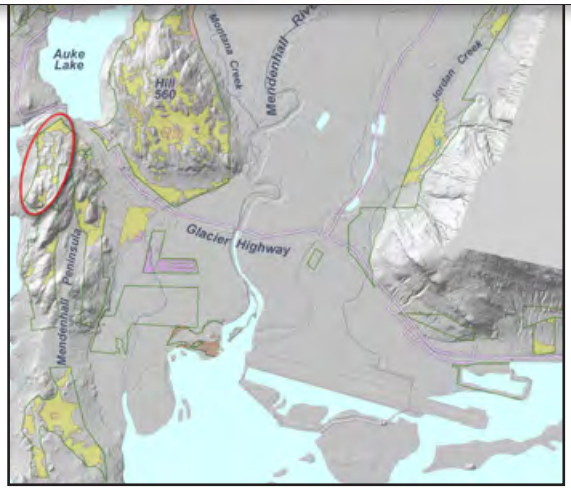
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV17 • **type:** forested peatland • **acres:** 15.2 • **boundary criteria**: w-u, pa • **pin**: 4B2301010170 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]



Unit maps for SV17 19



SV18 • **type:** for. peatland • **acres:** 2.5 • **boundary criteria**: w-u, pa • **pin**: 4B2201010100, 80 • no known or probable anadromous fish

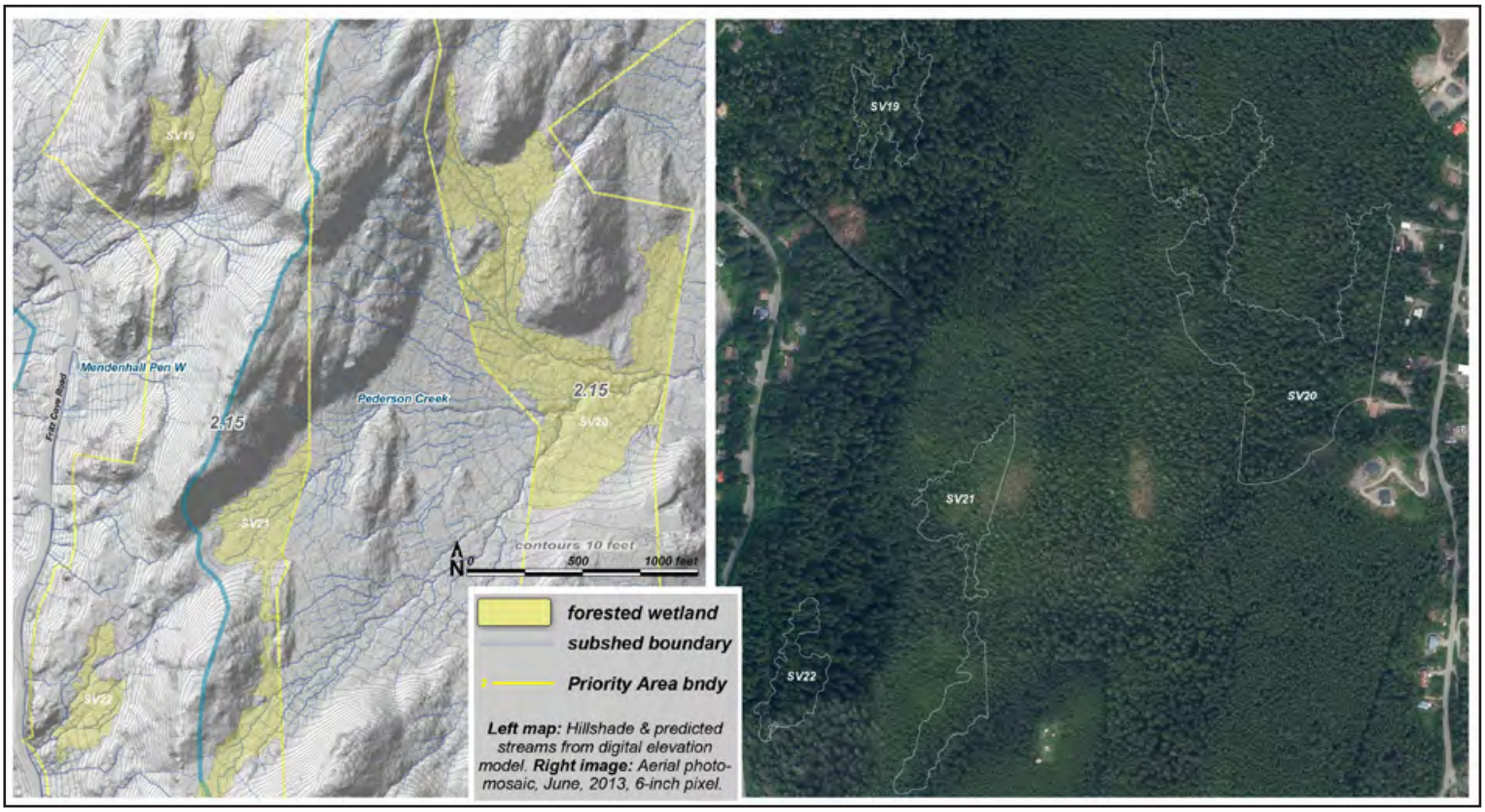
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
N[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV19 • **type:** forested peatland • **acres:** 2.5 • **boundary criteria**: w-u • **pin**: 4B2301010170 • no known or probable anadromous fish

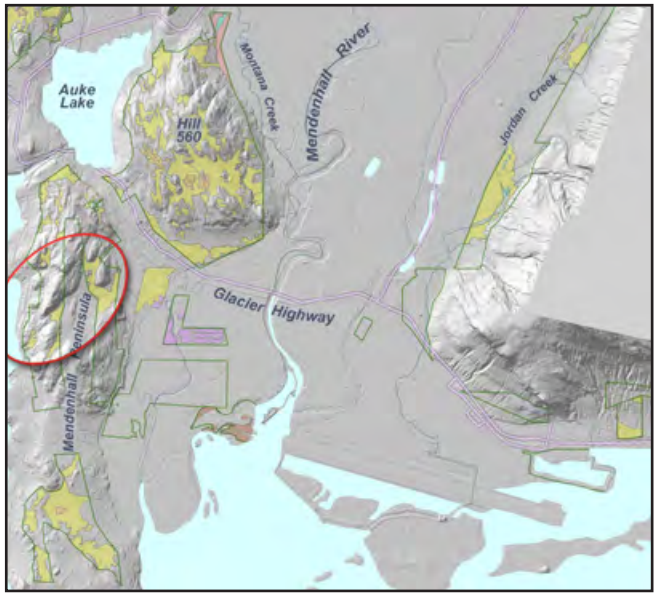
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

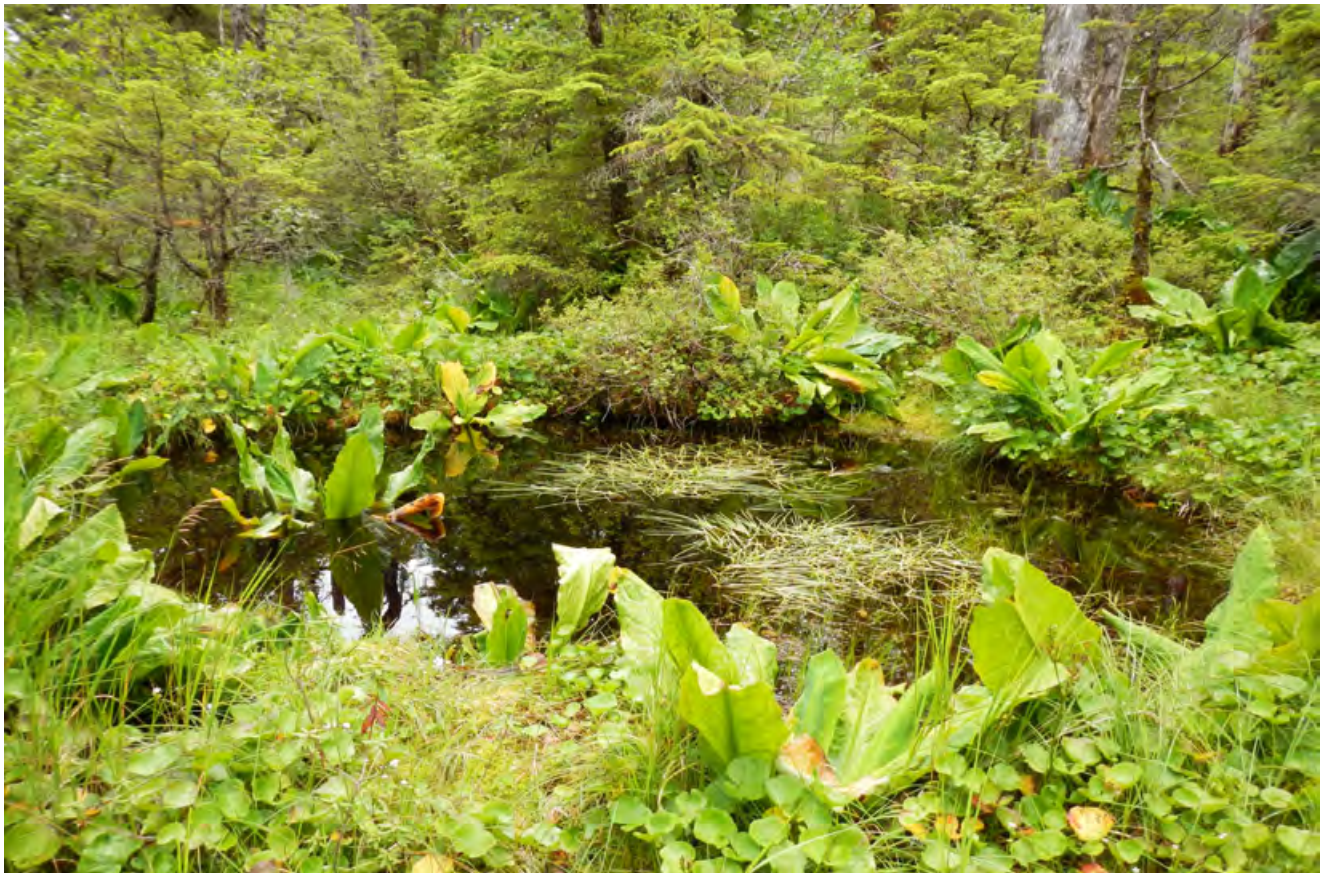
SV20 • **type:** for. peatland • **acres:** 17.6 • **boundary criteria**: w-u, pa • **pin**: 4B2301010170 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for SV19 20 21 22





SV21 • **type:** for. peatland • **acres:** 5.7 • **boundary criteria**: w-u, pa • **pin**: 4B2301010170 • no known or probable anadromous fish

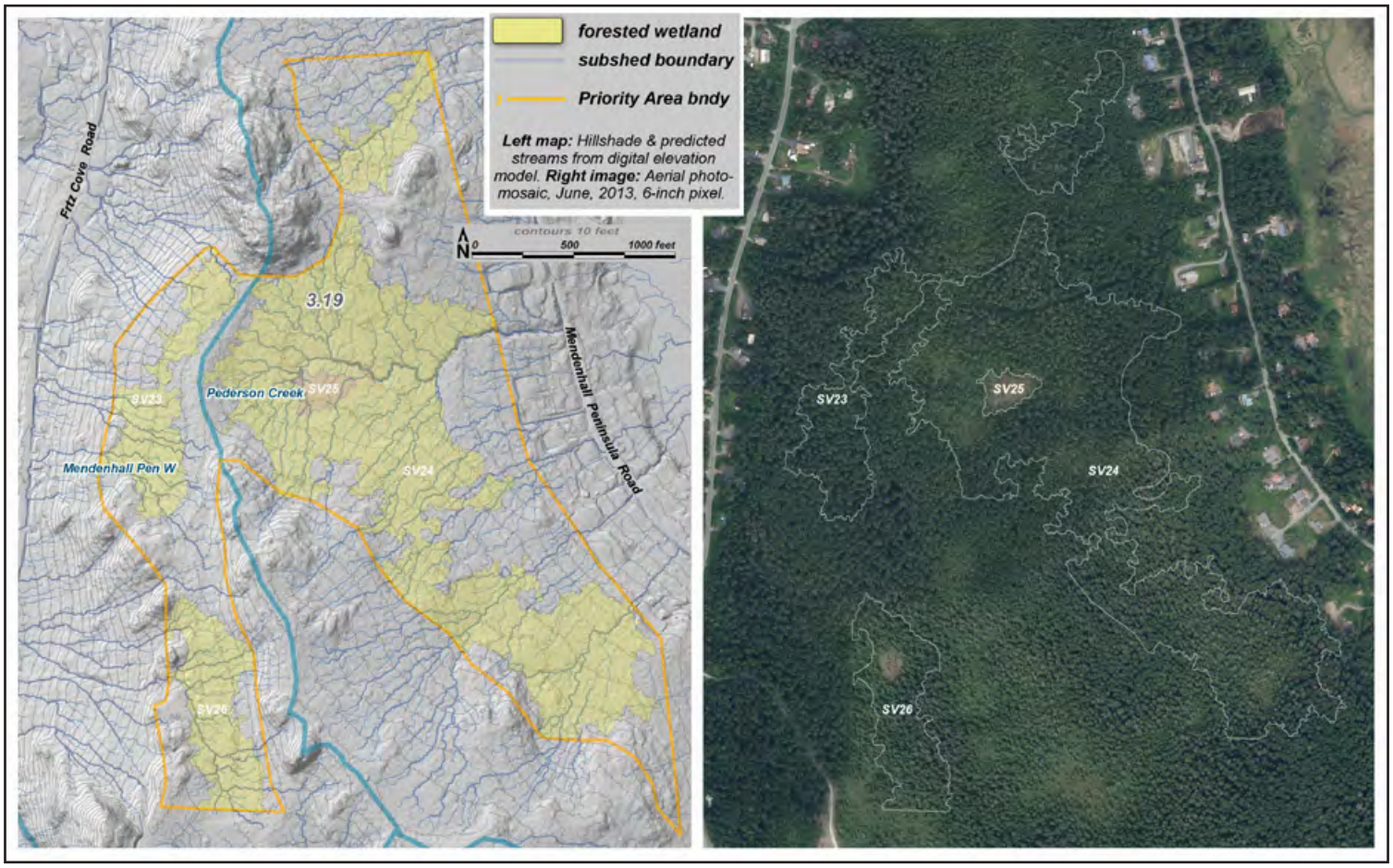
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV22 • **type:** forested peatland • **acres:** 2.2 • **boundary criteria**: w-u • **pin**: 4B2301010170 • no known or probable anadromous fish

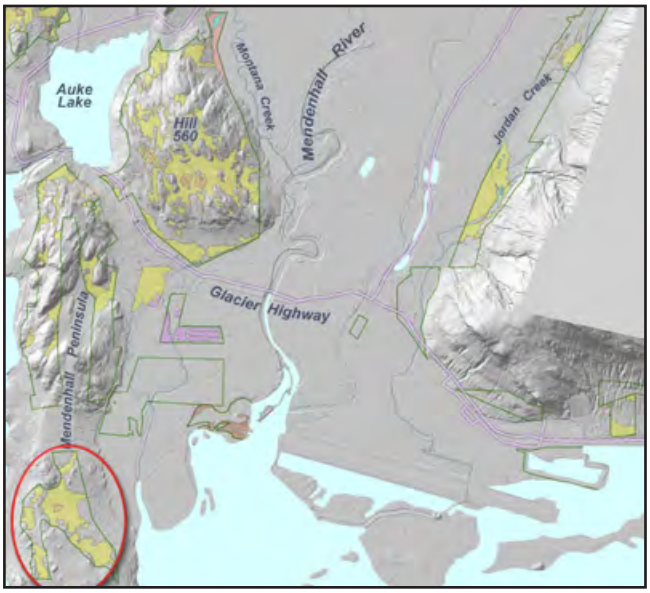
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV23 • **type:** forested peatland • **acres:** 7.7 • **boundary criteria**: w-u, pa, subsh • **pin**: 4B1901070010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible] [illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for SV23 24 25 26



SV24 • **type:** for. peatland • **acres:** 50.0 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 4B1901070010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV25 • **type:** open peatland • **acres:** 1.1 • **boundary criteria**: type • **pin**: 4B1901070010 • no known or probable anadromous fish

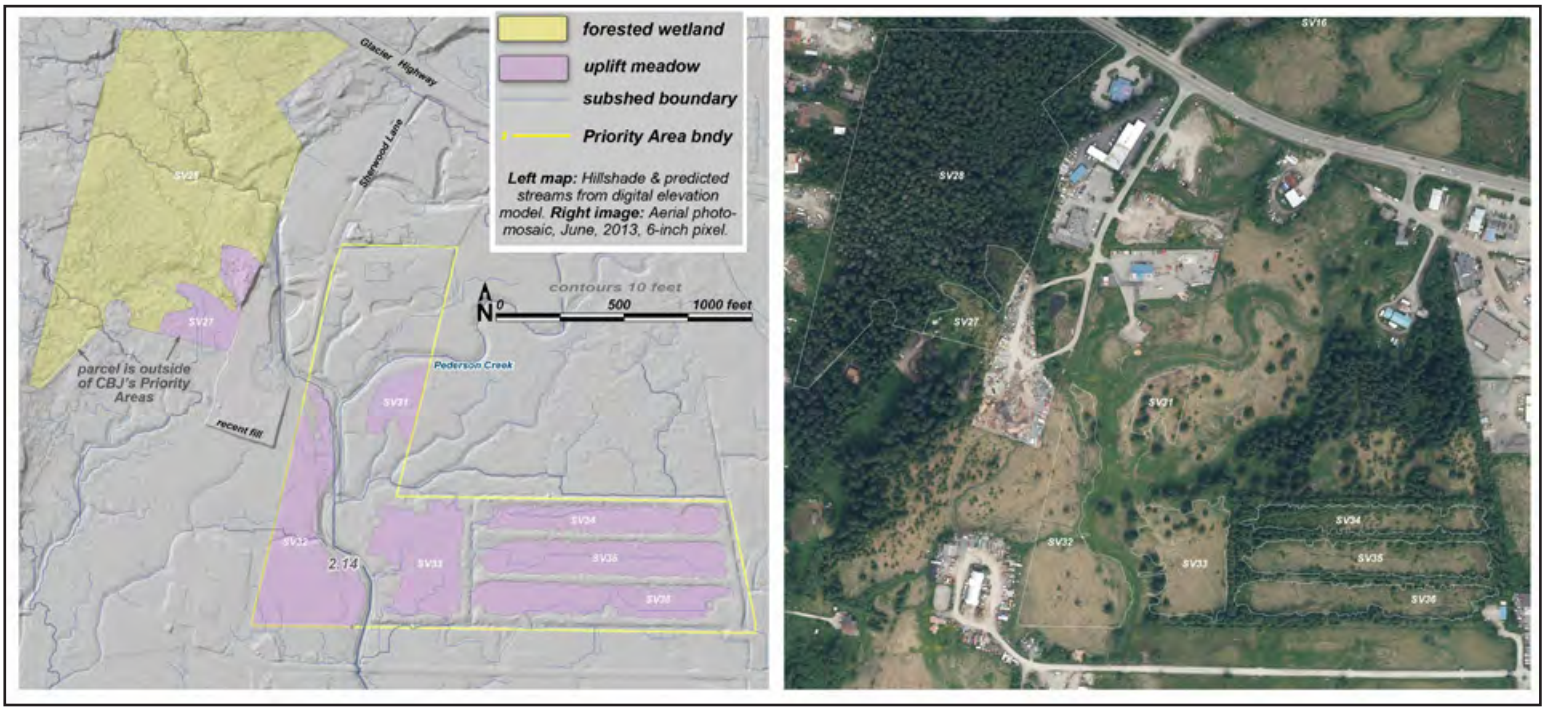
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV26 • **type:** forested peatland • **acres:** 7.4 • **boundary criteria**: w-u, pa • **pin**: 4B1901070010 • no known or probable anadromous fish

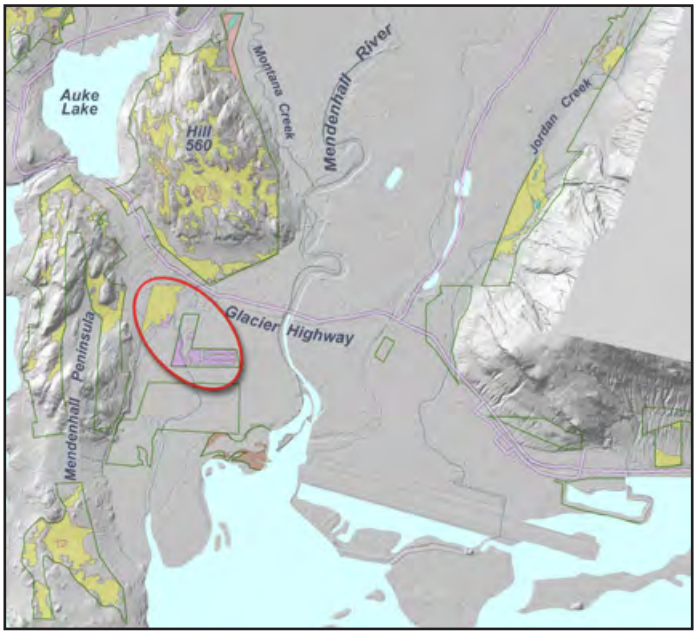
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV27 • **type:** uplift meadow • **acres:** 1.7 • **boundary criteria**: type, pa • **pin**: 4B1701130020 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for SV27 28 31 32 33 34 35 36

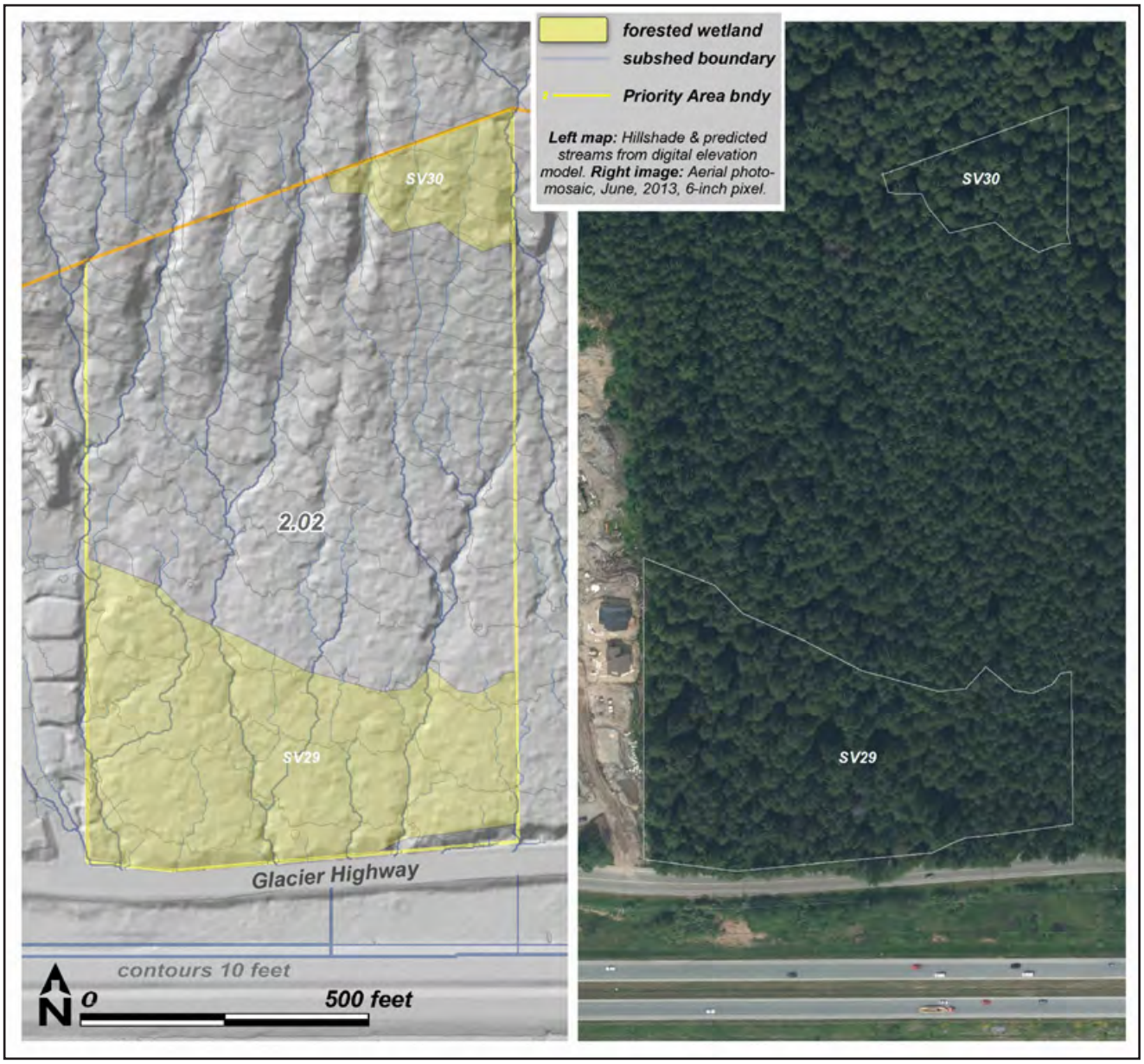


SV28 • **type:** for. peatland • **acres:** 21.3 • **boundary criteria**: type, pa • **pin**: 4B1701130020 • known or probable anadromous fish

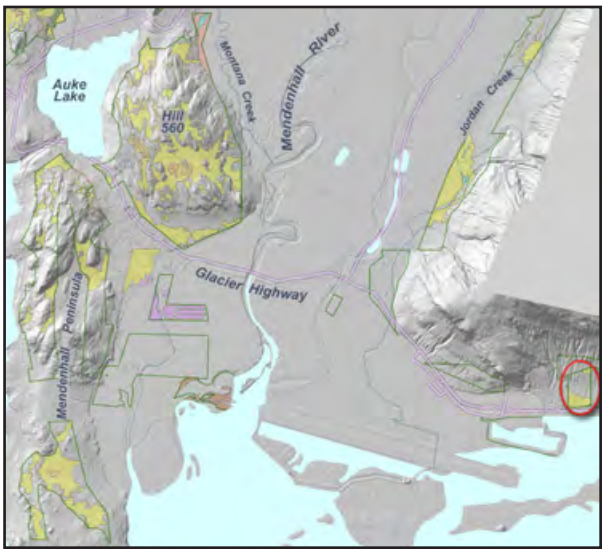
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV29 • **type:** for. peatland • **acres:** 6.3 • **boundary criteria**: w-u, pa • **pin**: 5B1401010010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for SV29 30



SV30 • **type:** for. peatland • **acres:** 1.1 • **boundary criteria**: w-u, pa • **pin**: 5B1401010010 • no known or probable anadromous fish

□□□□□□□□□ □r □ □□□r A□r□□□□	□□□□□□□□□ □□□r□	□□□□□□□□□ □ □□□□□	□□□□□ □□□r□	□□□□□ □ □□□□□
□ □□□r C□□□□□□	□□□□	H□□□□r	□□□□	□□□ □r
□ □□□r □ □r□ □□□	□□□□	H□□□□r	□□□□	□□□ □r
□□□□r□□□r□□□ H□□□□□□	□□□□	H□□□□r	□□□□	□□□ □r
□□□□□□□□r H□□□□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
N□□□□□ □□□□□H□□□□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
N□r□□□ □ □□ □□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□□□□□□rd□□ □□□□r□□ M□□ □ □□H□□□□□	□□□□	M□d□r□□□	□□□□	□□□ □r
□r□□□□ N□r□□□□E□□□r□	□□□□	M□d□r□□□	N□A□	N□A□
C□r□□□ □□□□□□□r□□□□	□□□□	M□d□r□□□	N□A□	N□A□
□□d□□ □□□□ □□□□□□□ □ □□□□□□□□□□	□□□□	□□□ □r	□□□□□	H□□□□r
□□r□□□ □□□□ □□□□□r□	□□□□	□□□ □r	□□□□	M□d□r□□□
A□ □□□□□□□ H□□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
□□□□□□□□r□□ □ □□□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
□ □□□r □□□r□□□	□□□□	□□□ □r	□□□□	□□□ □r
A□□dr□□ □□□ □□□□ H□□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
□ □□□d□□□□□□□ H□□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
□ □□□r□□rd □□□d□□□ H□□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
□ □□□r□□rd N□□□□□□ H□□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
□ □□□□□d □□□□□□□□□□	N□A□	N□A□	□□□□	H□□□□r
□ □□□□□d □r□□□□r□	N□A□	N□A□	□□□□	M□d□r□□□
□ □□□□□d □□□□	N□A□	N□A□	□□□□	M□d□r□□□
□ □□□□□d E□□□□□□□□□C□□d□□□□	N□A□	N□A□	□□□□	□□□ □r
□□□□□□ □□□ □ □□□□□□□□□□	N□A□	N□A□	□□□□	□□□ □r

SV31 • **type:** uplift meadow • **acres:** 1.0 • **boundary criteria**: w-u, pa • **pin**: 4B1701100120 4B1701100210 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]

SV32 • **type:** uplift meadow • **acres:** 4.9 • **boundary criteria**: w-u, pa • **pin**: 4B1701100120 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]

SV33 • **type:** uplift meadow • **acres:** 3.0 • **boundary criteria**: w-u, pa • **pin**: 4B1701100120 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV34 • **type:** uplift meadow • **acres:** 2.0 • **boundary criteria**: w-u • **pin**: 4B1701100120 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV35 • **type:** uplift meadow • **acres:** 2.9 • **boundary criteria**: w-u • **pin**: 4B1701100120 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV36 • **type:** uplift meadow • **acres:** 2.7 • **boundary criteria**: w-u • **pin**: 4B1701100120 • known or probable anadromous fish

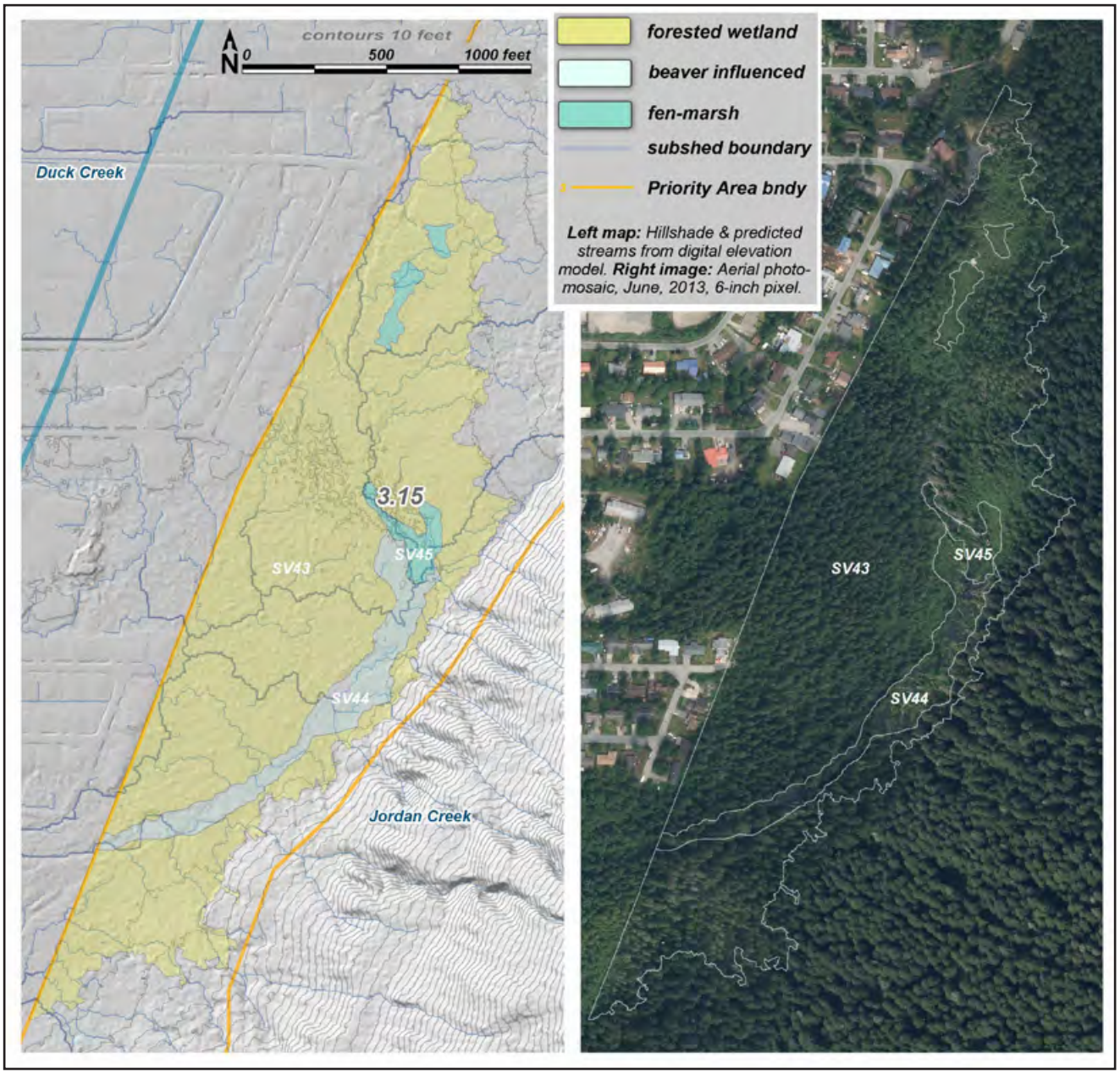
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV39 • **type:** for. peatland • **acres:** 1.6 • **boundary criteria**: w-u, pa • **pin**: 4B2301010170 • no known or probable anadromous fish

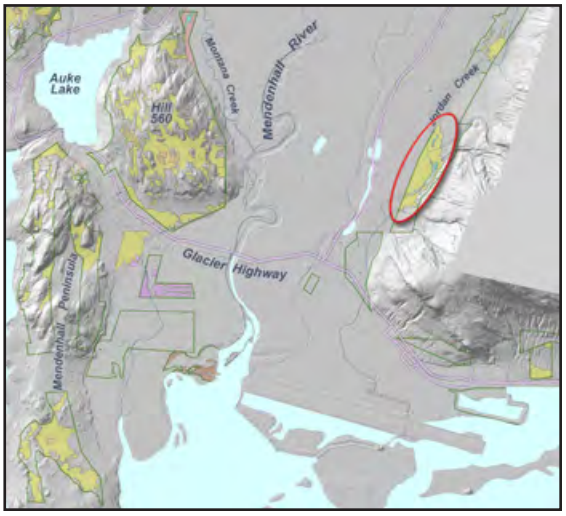
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV43 • **type:** forested peatland • **acres:** 38.4 • **boundary criteria**: w-u, type, pa • **pin**: 5B2101520140 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for SV43 44 45

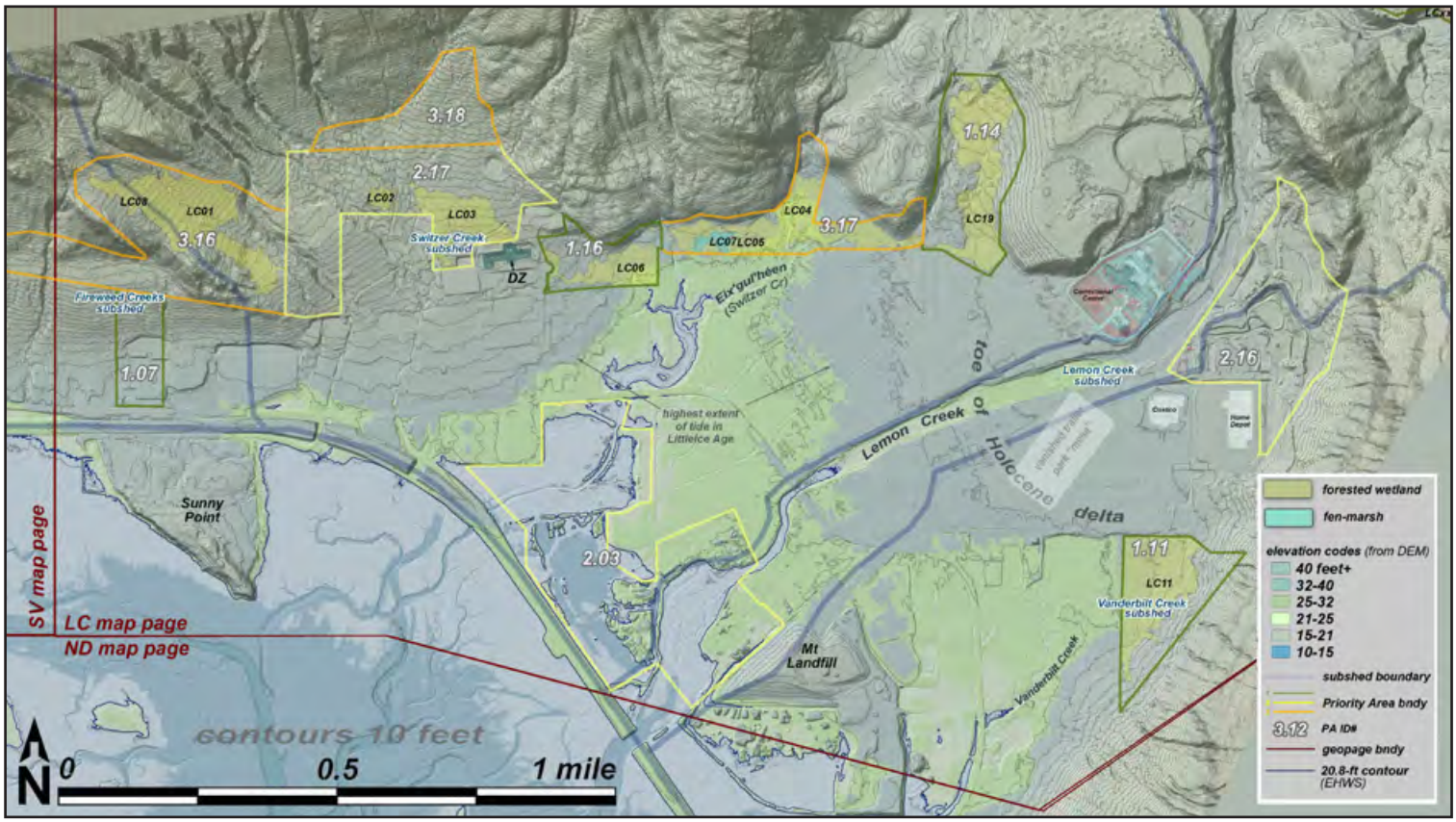


SV44 • **type:** beaver influenced • **acres:** 3.5 • **boundary criteria**: type • **pin**: 5B2101520140 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV45 • **type:** fen/marsh • **acres:** 1.3 • **boundary criteria**: type • **pin**: 5B2101520140 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Three private-land Priority Areas on the LC map page extend up Lemon Creek beyond this view.

07LC units

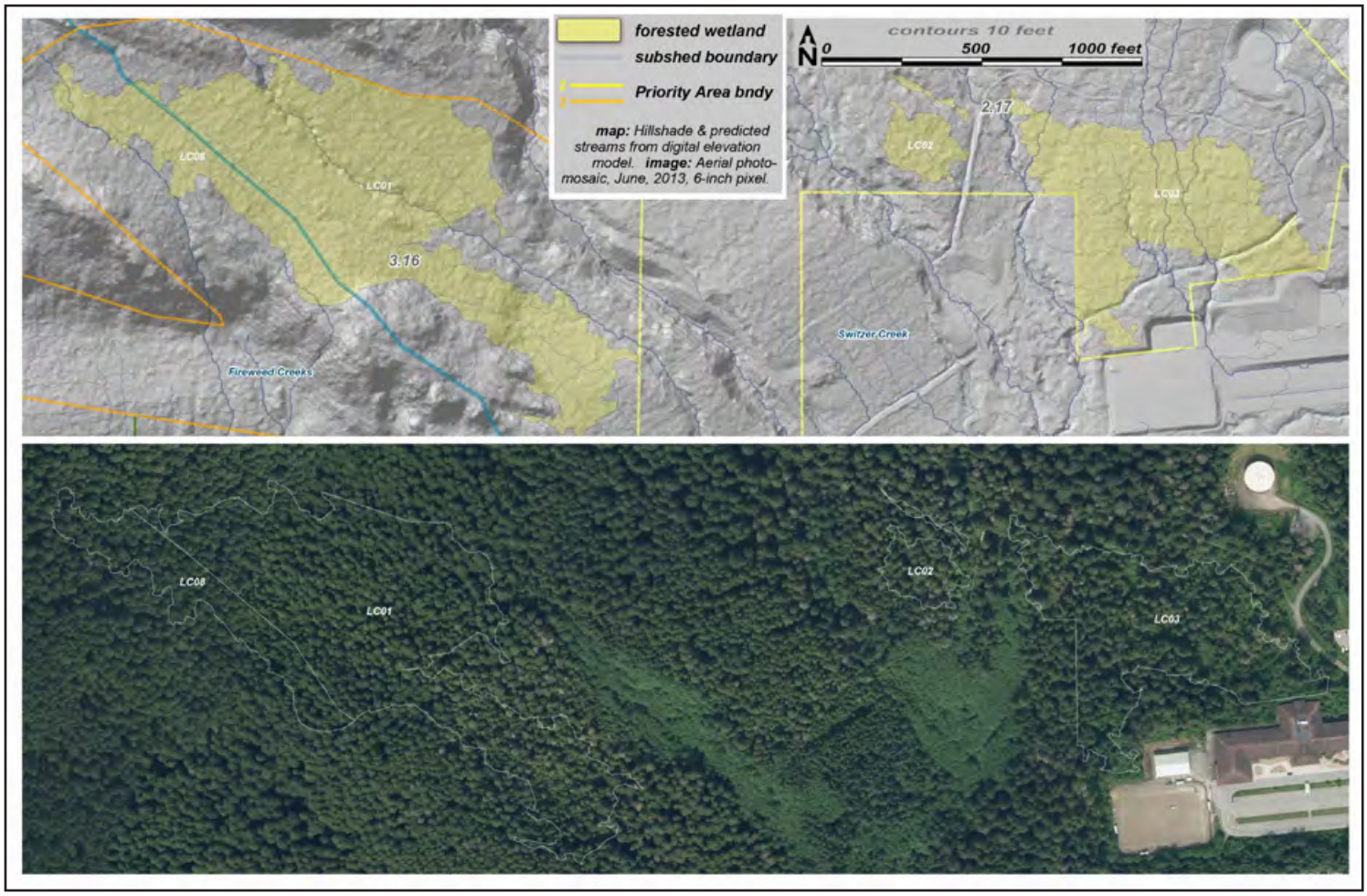
CBJ's Lemon Creek (LC) map page contains 13 Priority Areas totaling 613 acres. The 9 City-owned PAs total 281 acres. The remaining 4 are private, totaling 332 acres, and were not surveyed. The PAs in which we were allowed to survey totalled only 263 acres.

We completed 10 Assessment Areas on the LC page, totaling 74 acres, or 28% of the surveyed PAs.

We divided the greater Lemon Creek watershed into 4 'subsheds,' shown here with blue lines.

LC01 • **type:** for. peatl. • **acres:** 13.3 • **boundary criteria**: w-u, pa, subsh • **pin**: 5B1401000170 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for LC01 02 03 08

LC02 • **type:** for. peatl. • **acres:** 1.1 • **boundary criteria**: w-u • **pin**: 5B1401000170 • no known or probable anadromous fish

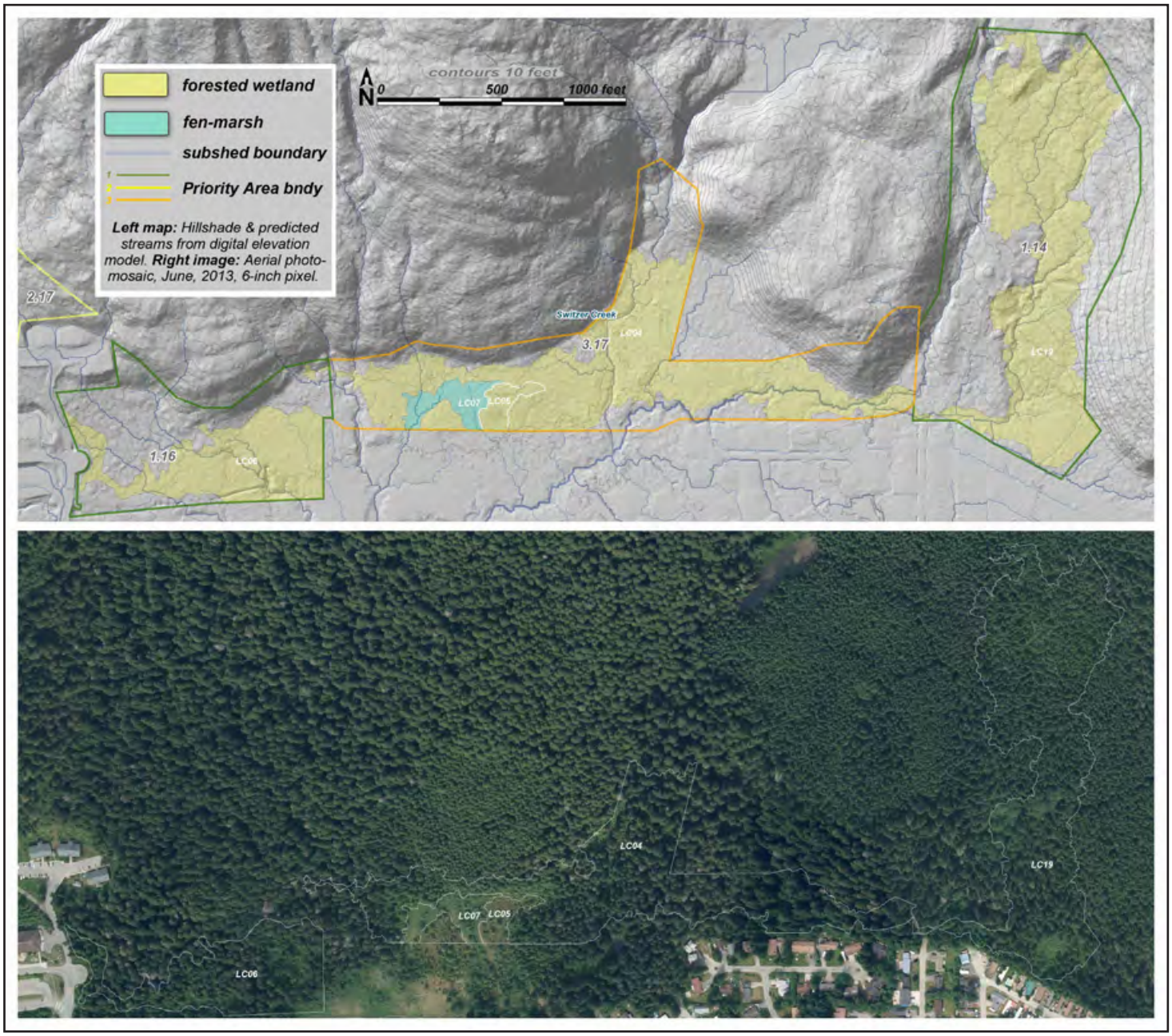
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

LC03 • **type:** for. peatl. • **acres:** 7.4 • **boundary criteria**: w-u, pa • **pin**: 5B1401000170 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

LC04 • **type:** for. peatl. • **acres:** 12.8 • **boundary criteria**: w-u, type, pa • **pin**: 5B1401000170 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for LC05 05 06 07 19

LC05 • **type:** for. peatl. • **acres:** 1.0 • **boundary criteria**: w-u, type, pa • **pin**: 5B1401000170 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

LC06 • **type:** for. peatl. • **acres:** 5.7 • **boundary criteria**: w-u, pa • **pin**: 5B1401000170 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

LC07 • **type:** fen/marsh • **acres:** 1.0 • **boundary criteria**: type, pa • **pin**: 5B1401000170 • no known or probable anadromous fish

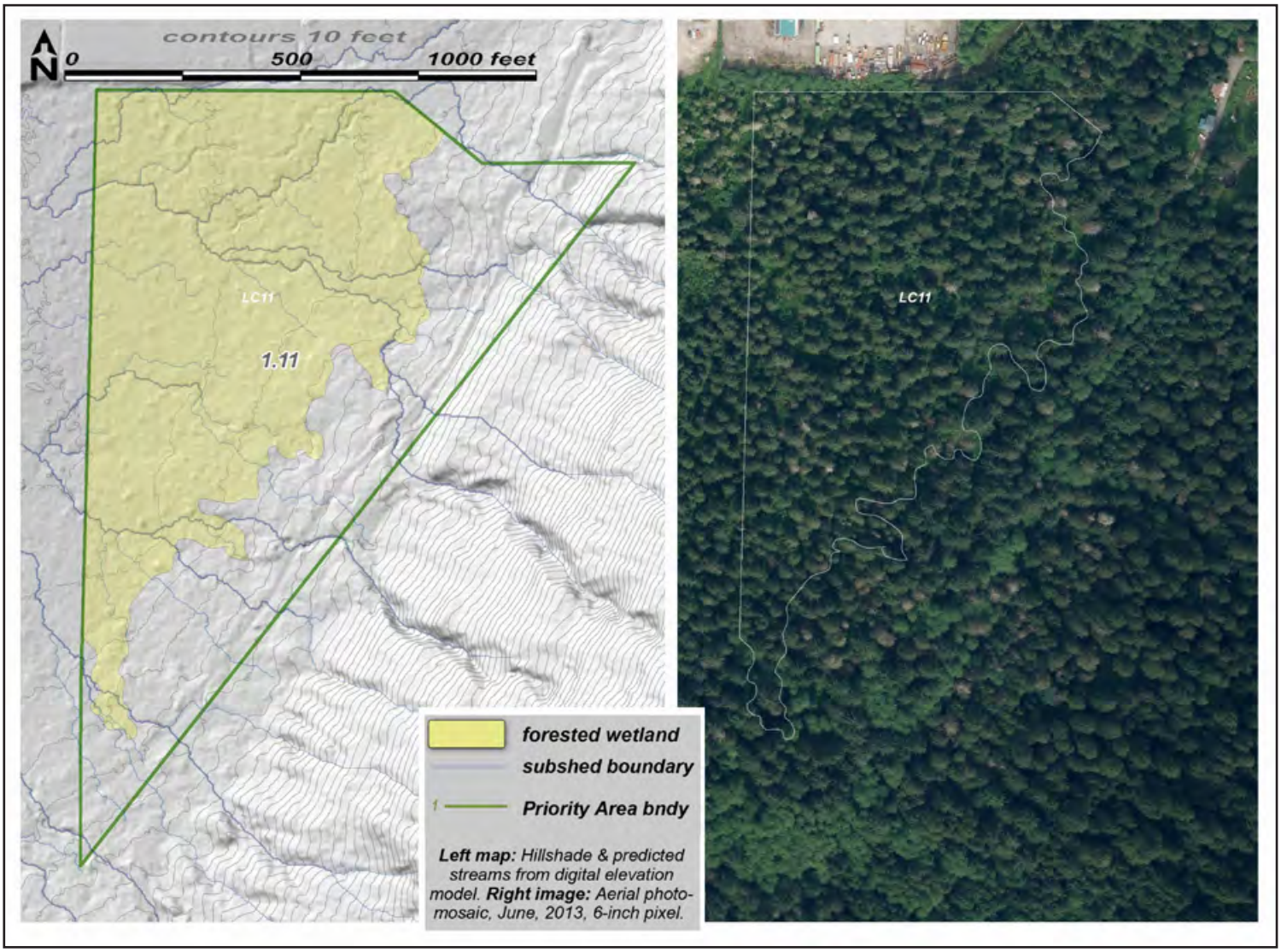
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

LC08 • **type:** for. peatl. • **acres:** 3.0 • **boundary criteria**: w-u, subsh • **pin**: 5B1401000170 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

LC11 • **type:** for. peatl. • **acres:** 13.5 • **boundary criteria**: w-u, pa • **pin**: 5B1201000160 • known or probable anadromous fish

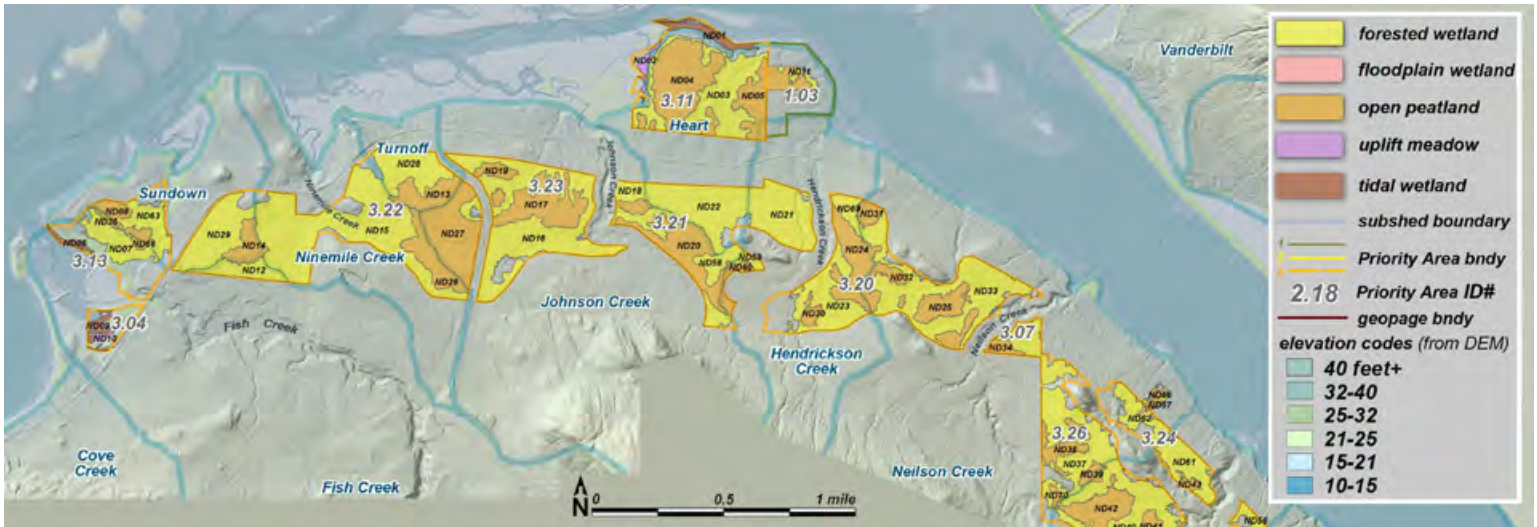
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit map for LC11

LC19 • **type:** for. peatl. • **acres:** 15.2 • **boundary criteria**: w-u, pa • **pin**: 5B1201340020 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	N/A	N/A



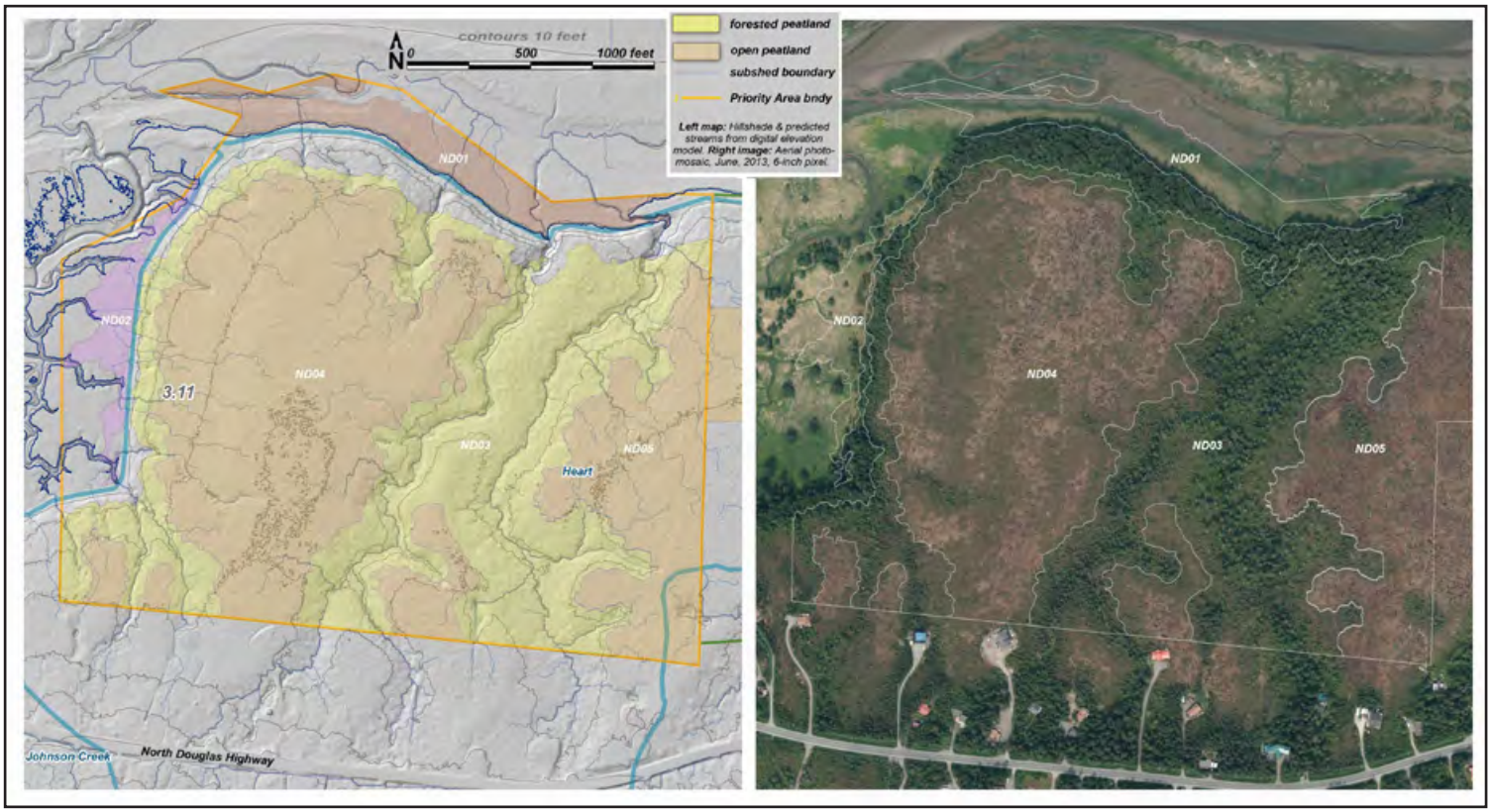
08ND units

CBJ's North Douglas (ND) map page contains 13 Priority Areas totaling 1,275 acres, all but one of which we completely surveyed. Forty of those unsurveyed acres (PA 1.03, eastern Hendrickson Point) are on private land. Our assessments on this map page span 10 'subsheds,' shown here with blue lines.

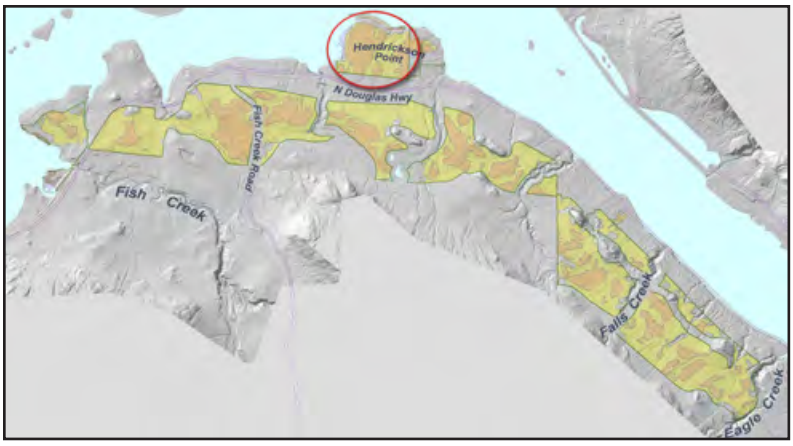
We completed 70 Assessment Areas on the ND page, totaling 1111 acres, or 87% of the combined PAs. As on the West Juneau page (67% of PAs in mapped wetlands) this high percentage is due to impermeable layers of fine glacial/marine sediment deposited on gently sloping topography during periods of raised sea level in the early Holocene, 14,000 to 9,000 years ago.

ND02 • **type:** uplift meadow • **acres:** 2.5 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D1001040010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for ND02 03 04 05



ND03 • **type:** for. peatland • **acres:** 38.7 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D1001040010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND04 • **type:** open peatland • **acres:** 40.0 • **boundary criteria**: type, pa • **pin**: 6D1001040010 • no known or probable anadromous fish

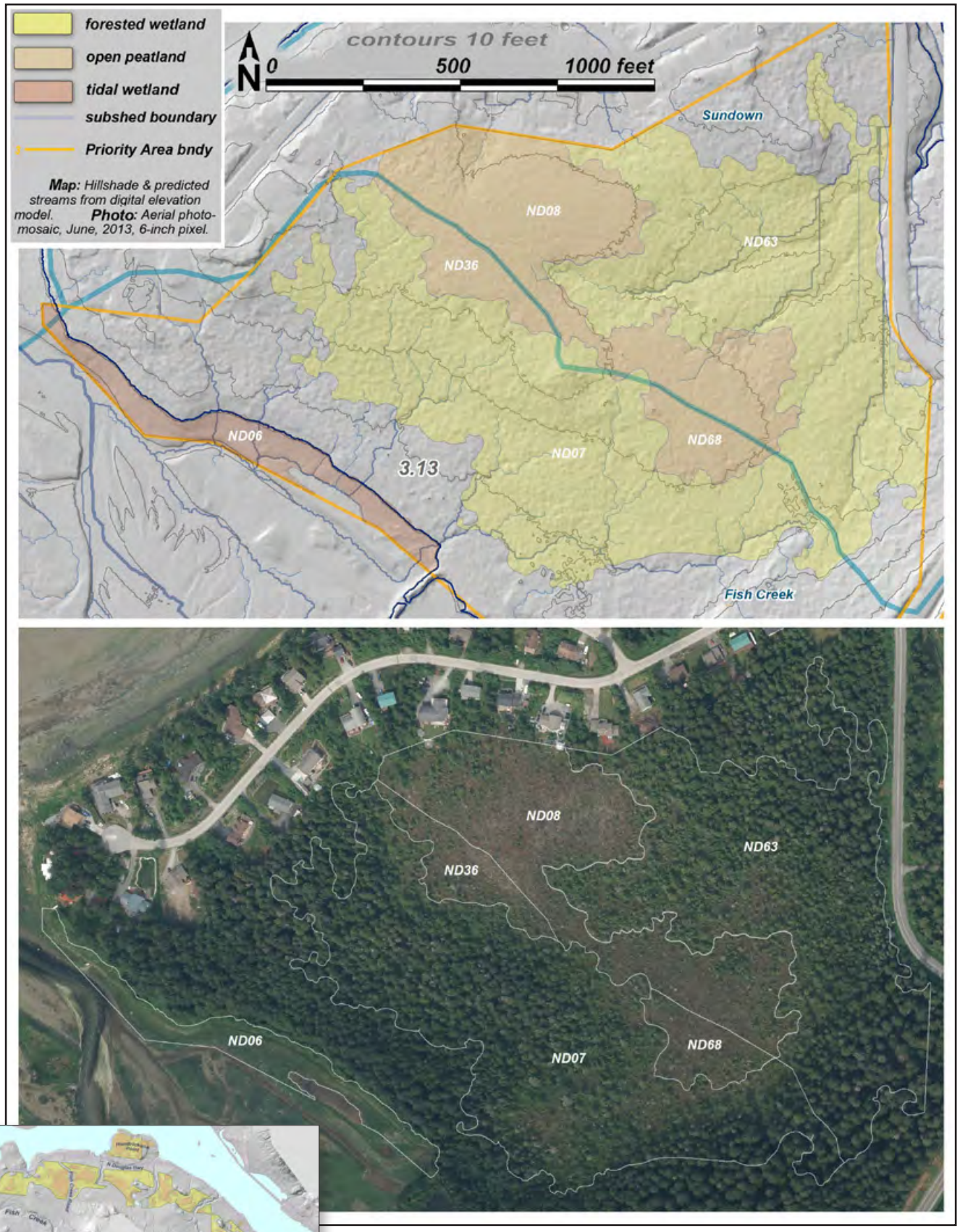
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND05 • **type:** open peatland • **acres:** 20.3 • **boundary criteria**: type, pa • **pin**: 6D0901040080 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ND07 • **type:** forested peatland • **acres:** 14.2 • **boundary criteria**: w-u, type, subsh • **pin**: 6D1201050010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



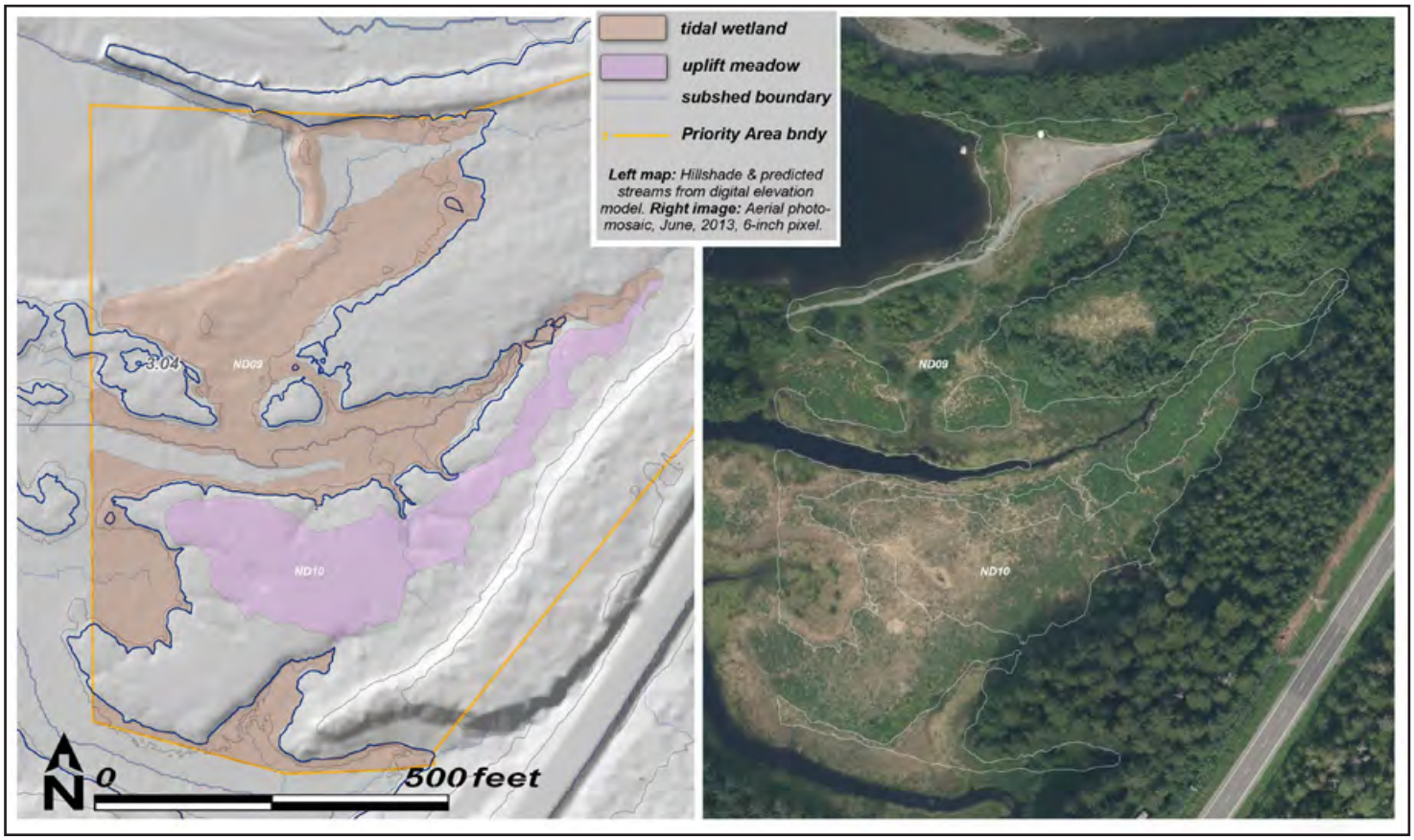
Unit maps for ND07 08 36 63 68

ND08 • **type:** open peatland • **acres:** 7.3 • **boundary criteria**: type, pa, subsh • **pin**: 6D1201050010
• no known or probable anadromous fish

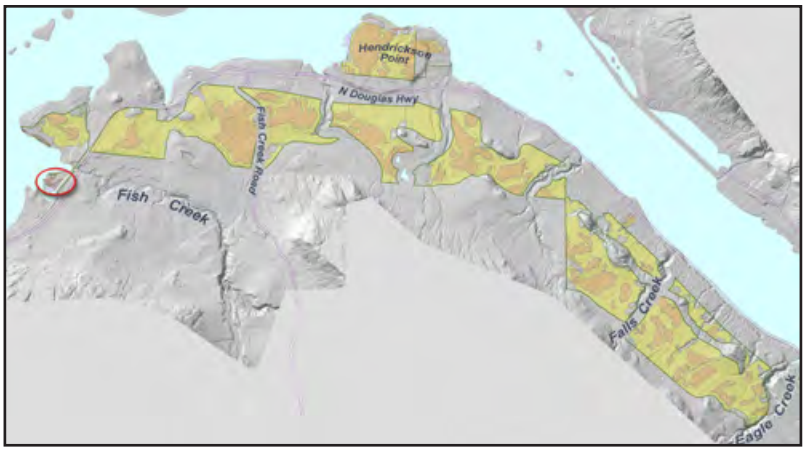
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND10 • **type:** uplift meadow • **acres:** 1.2 • **boundary criteria**: w-u, type • **pin**: 6D1201070010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]dr[illegible] [illegible] [illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]rd[illegible] [illegible]r[illegible] M[illegible] [illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]d[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
A[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]rd N[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r[illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r [illegible]r[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r C[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r[illegible] [illegible] [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
N[illegible]r[illegible] [illegible] [illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]r [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d[illegible] [illegible] [illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r[illegible]r[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	H[illegible]r
[illegible]r[illegible] N[illegible]r[illegible] E[illegible]r[illegible]	[illegible]	[illegible]r	N/A	N/A
C[illegible]r[illegible] [illegible]r[illegible]	[illegible]	[illegible]r	N/A	N/A
[illegible] [illegible] [illegible]	N/A	N/A	[illegible]	H[illegible]r
[illegible]d [illegible]	N/A	N/A	[illegible]	H[illegible]r
[illegible]d [illegible]r[illegible]r[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d E[illegible]C[illegible]d[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A	N/A	[illegible]	[illegible]r

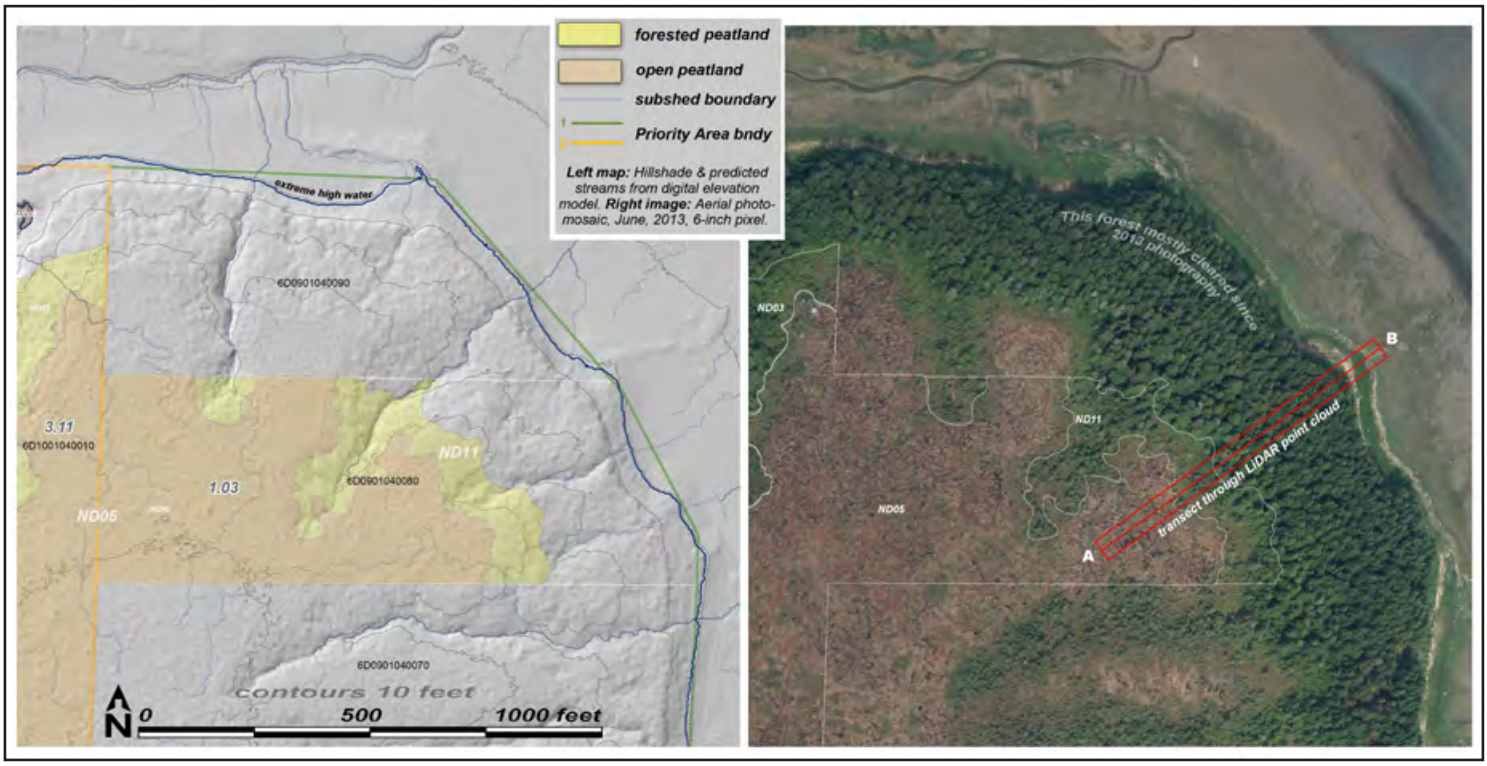


Unit map for ND10

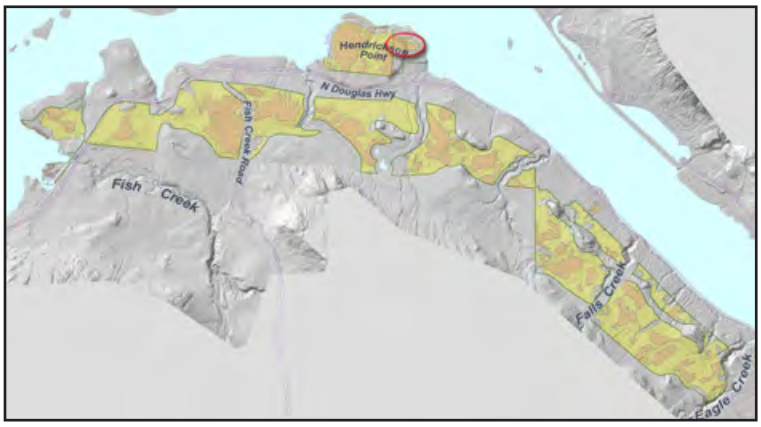


ND11 • **type:** for. peatland • **acres:** 2.4 • **boundary criteria**: w-u, type, pa • **pin**: 6D0901040080 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

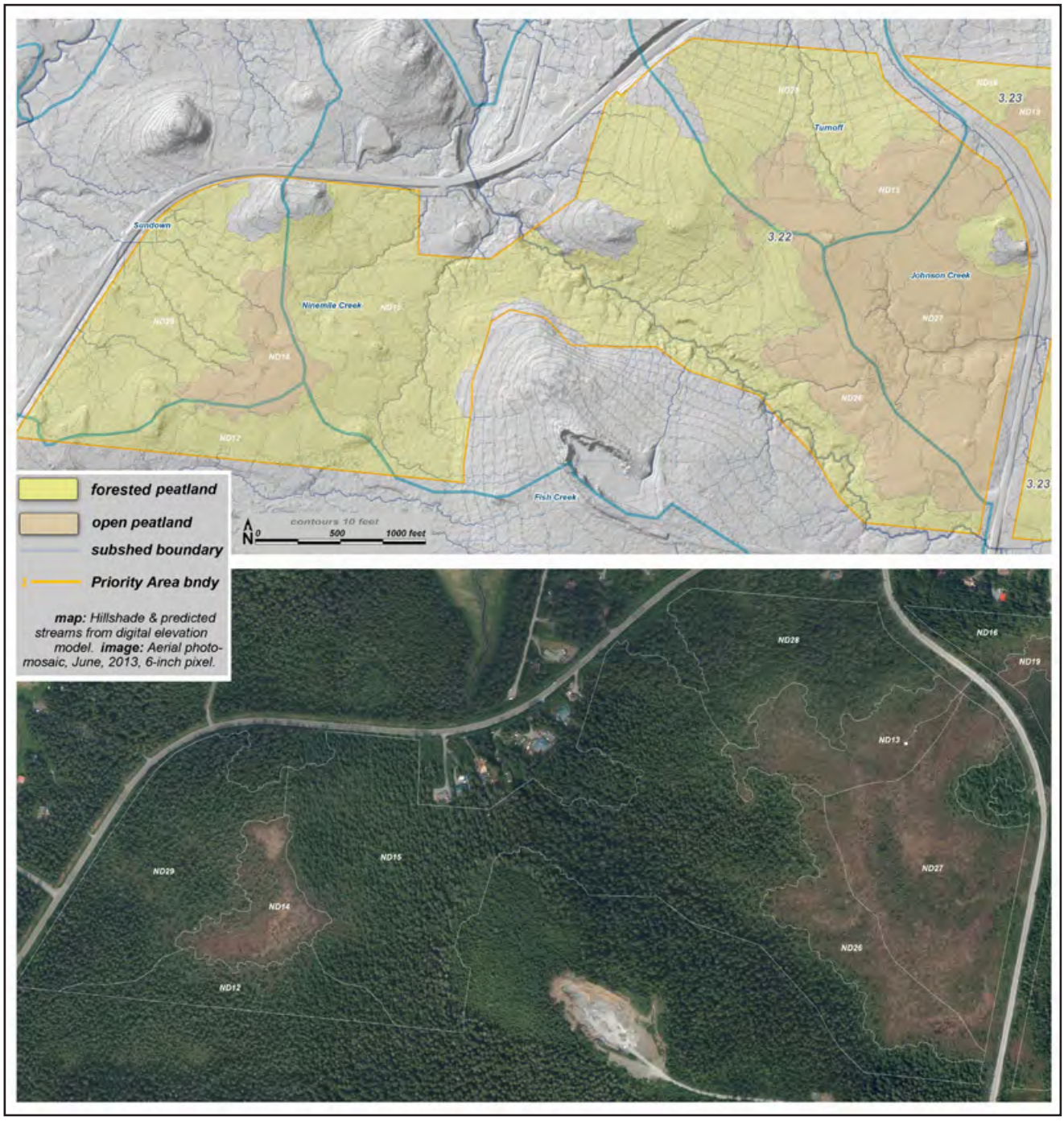


Unit maps for ND11 ND05



ND12 • **type:** for. peatland • **acres:** 9.9 • **boundary criteria**: type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for ND12 13 14 15 26 27 28 29

ND13 • **type:** open peatland • **acres:** 12.5 • **boundary criteria**: type, pa, subsh • **pin**: 6D1011000010
• no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND14 • **type:** open peatland • **acres:** 8.8 • **boundary criteria**: type, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

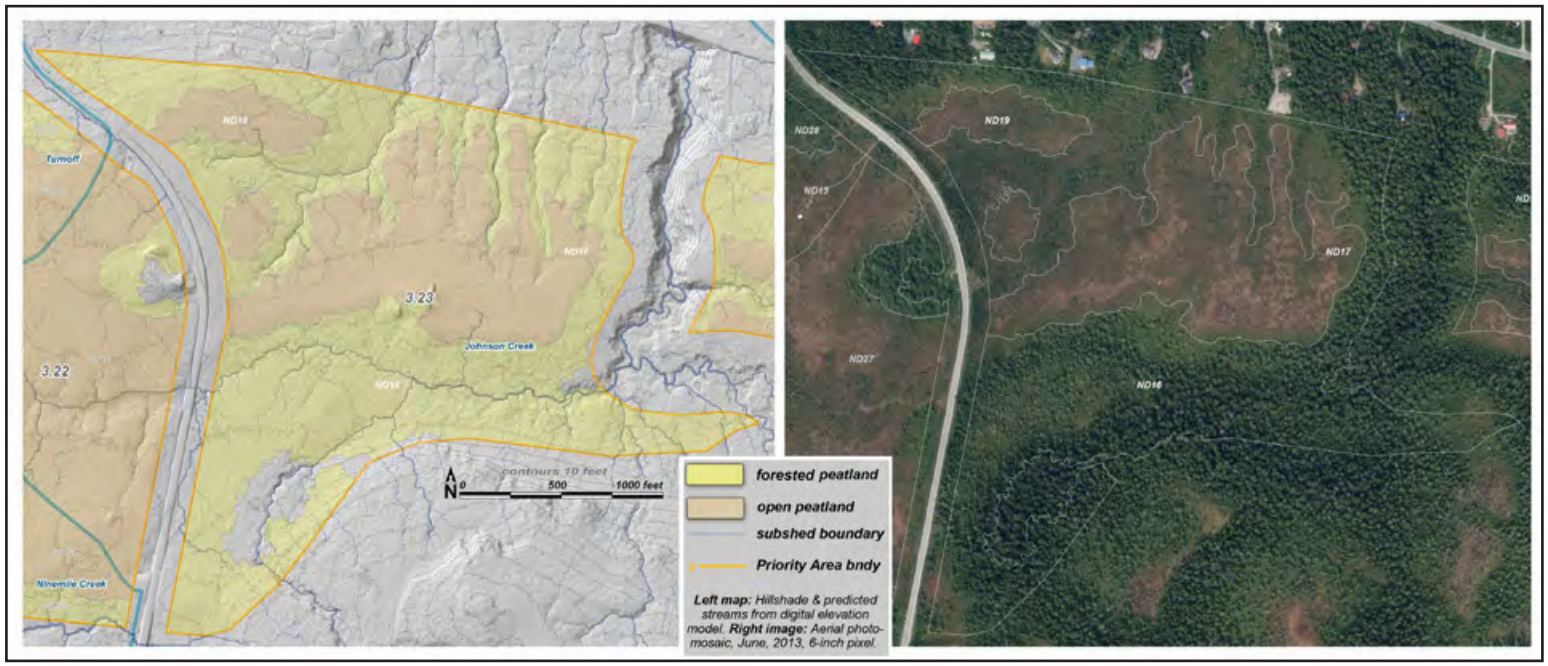
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND15 • **type:** forested peatland • **acres:** 80.8 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

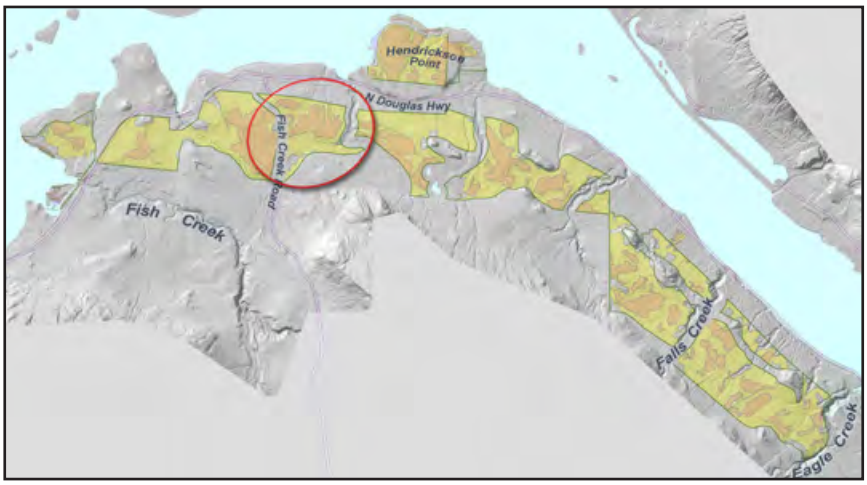
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]r H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]rd[illegible] M[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible]r[illegible]r[illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible]r[illegible]N[illegible]r[illegible]E[illegible]r[illegible]	[illegible]	H[illegible]r	N/A	N/A
C[illegible]r[illegible] [illegible]r[illegible]	[illegible]	H[illegible]r	N/A	N/A
A[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d[illegible] [illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r C[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]r[illegible]rd N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]r[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
N[illegible] [illegible]H[illegible]	[illegible]	[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r[illegible] [illegible] [illegible]r[illegible]	[illegible]	[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
A[illegible]dr[illegible] [illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]d[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]r[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]d [illegible]r[illegible]r[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A	N/A	[illegible]	[illegible]r
[illegible]d E[illegible]C[illegible]d[illegible]	N/A	N/A	[illegible]	[illegible]r
[illegible] [illegible] [illegible]	N/A	N/A	[illegible]	[illegible]r

ND16 • **type:** forested peatland • **acres:** 68.3 • **boundary criteria**: w-u, type, pa • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible] [illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for ND16 17 19

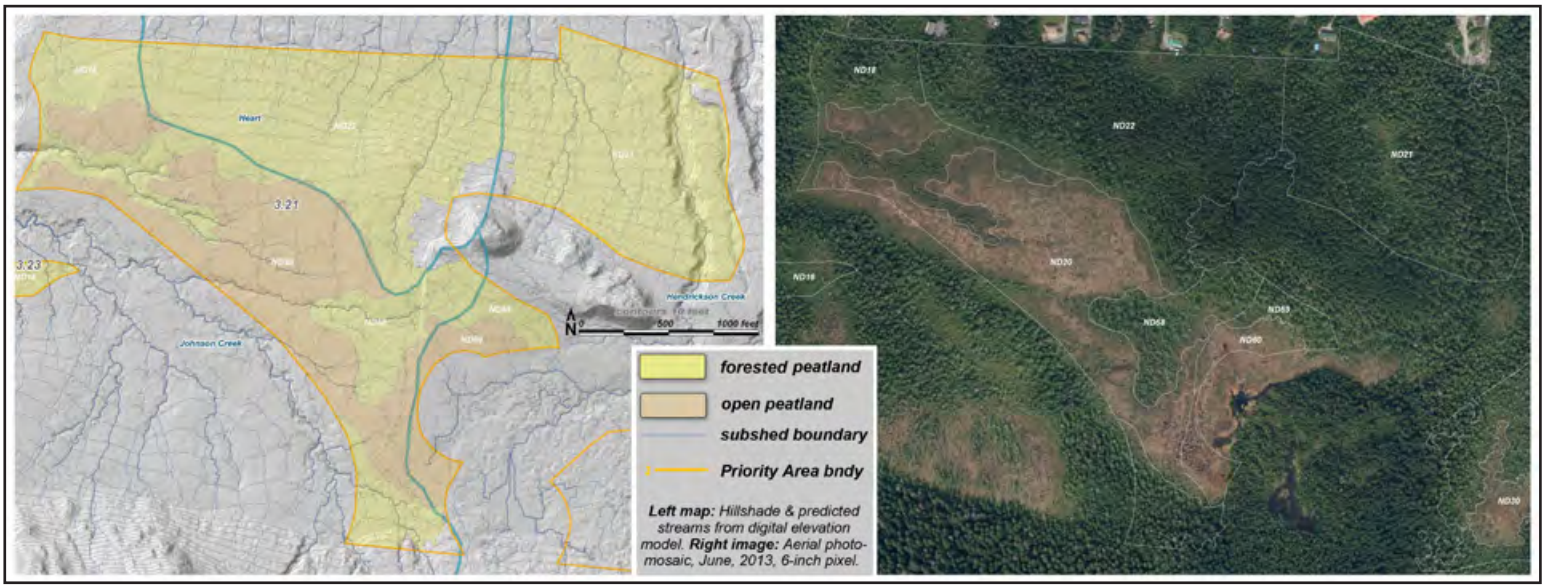


ND17 • **type:** open peatland • **acres:** 26.8 • **boundary criteria**: type, pa • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ND18 • **type:** forested peatland • **acres:** 11.9 • **boundary criteria**: type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for ND18 20 21 22 58 59 60

ND19 • **type:** open peatland • **acres:** 4.2 • **boundary criteria**: type, pa • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND20 • **type:** open peatland • **acres:** 28.1 • **boundary criteria**: type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND21 • **type:** forested peatland • **acres:** 29.5 • **boundary criteria**: w-u, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ND22 • **type:** for. peatland • **acres:** 33.7 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ND23 • **type:** for. peatland • **acres:** 24.8 • **boundary criteria**: w-u, type, pa • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]

Unit maps for ND23 24 25 30 31 32 33

ND24 • **type:** open peatland • **acres:** 20.5 • **boundary criteria**: type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ND25 • **type:** open peatland • **acres:** 16.0 • **boundary criteria**: type, pa • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND26 • **type:** open peatland • **acres:** 14.0 • **boundary criteria**: type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND27 • **type:** open peatland • **acres:** 29.5 • **boundary criteria**: type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	N/A	N/A	M[illegible]
[illegible]	[illegible]	N/A	N/A	M[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND28 • **type:** for. peatland • **acres:** 20.9 • **boundary criteria**: type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ND29 • **type:** for. peatland • **acres:** 26.8 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND30 • **type:** open peatland • **acres:** 3.0 • **boundary criteria**: type • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND31 • **type:** open peatland • **acres:** 4.0 • **boundary criteria**: type, pa • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ND32 • **type:** open peatland • **acres:** 6.9 • **boundary criteria**: type, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

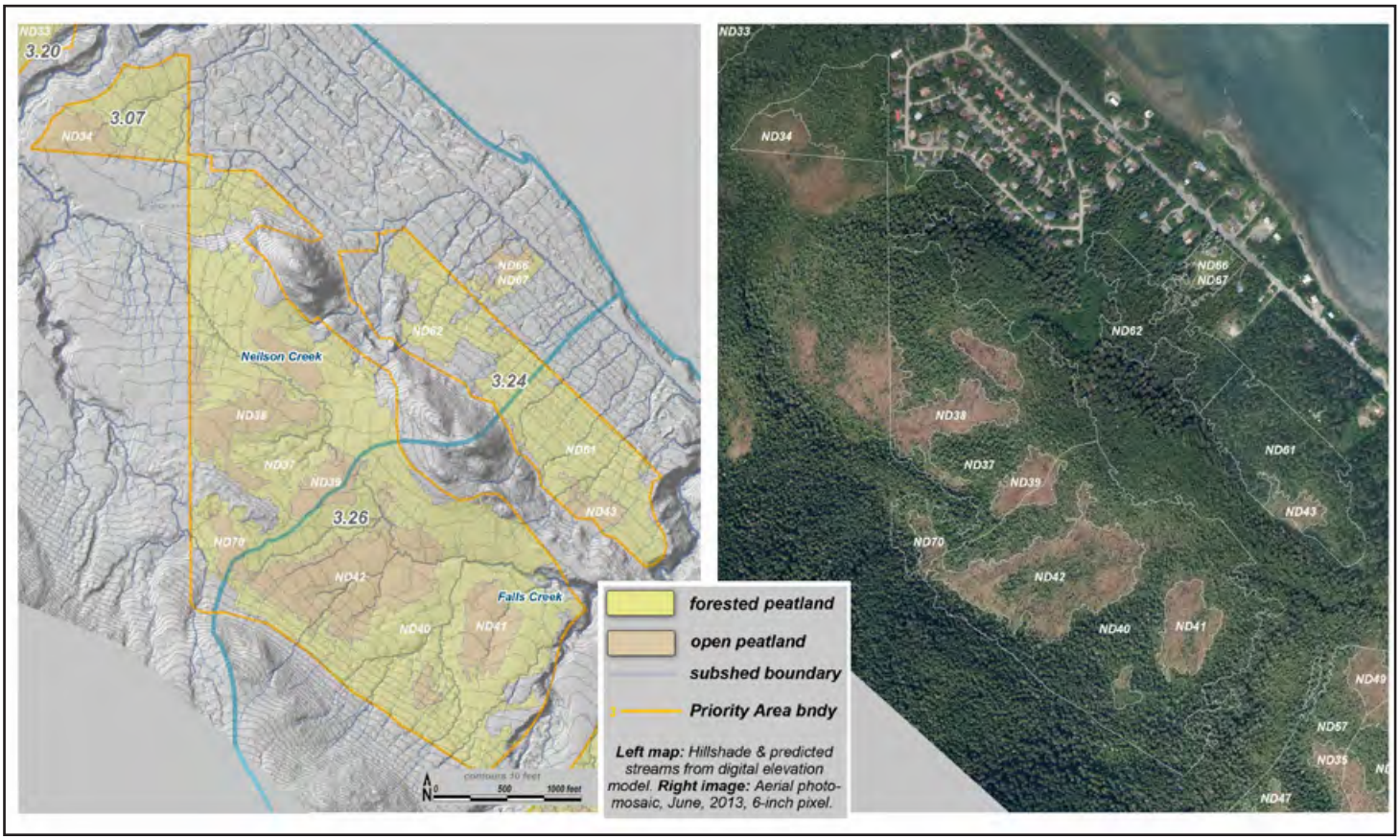
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
C[illegible]	[illegible]	H[illegible]r	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
A[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible] C[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A	N/A
N[illegible]	[illegible]	[illegible]r	[illegible]	H[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
A[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]r
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]r
[illegible]	N/A	N/A	[illegible]	[illegible]r

ND33 • **type:** forested peatland • **acres:** 55.6 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]

ND34 • **type:** open peatland • **acres:** 3.2 • **boundary criteria**: type, pa • **pin**: 6D1011000010 • no known or probable anadromous fish

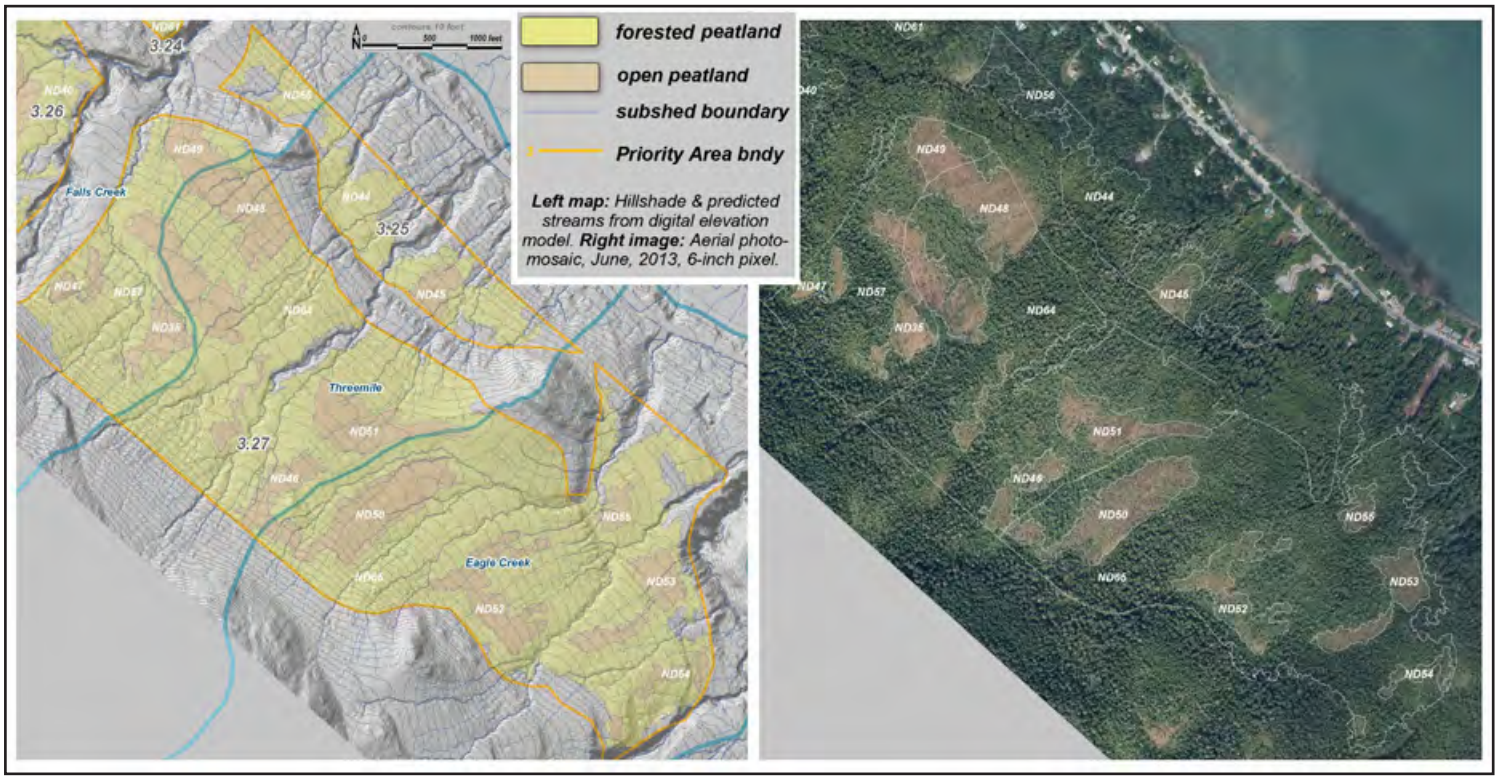
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



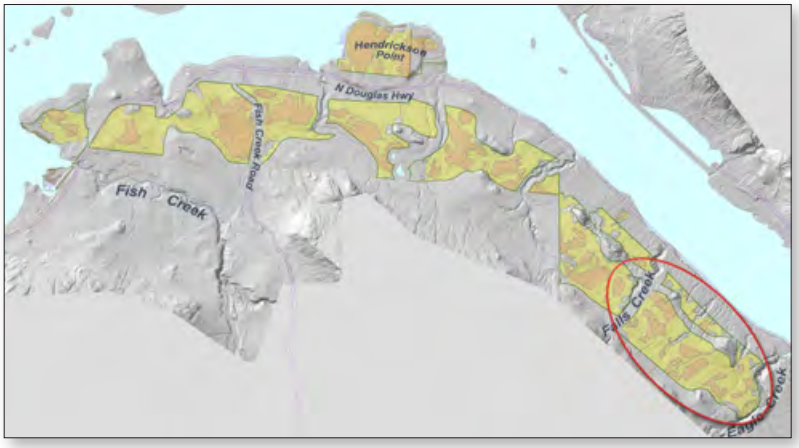
Unit maps for ND34 37 38 39 40 41 42 43 61 66 67

ND35 • **type:** open peatland • **acres:** 4.4 • **boundary criteria**: type, subsh • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for ND35 44-5-6-7 -8-9, 50-1-2-3-4-5-6-7, 64 65



ND36 • **type:** open peatland • **acres:** 1.3 • **boundary criteria**: type, subsh • **pin**: 6D1201050010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND37 • **type:** forested peatland • **acres:** 47.6 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D0801110010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible] [illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND38 • **type:** open peatland • **acres:** 8.9 • **boundary criteria**: type, pa • **pin**: 6D0801110010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND39 • **type:** open peatland • **acres:** 2.2 • **boundary criteria**: type, subsh • **pin**: 6D0801110010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND40 • **type:** forested peatland • **acres:** 48.4 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND41 • **type:** open peatland • **acres:** 5.4 • **boundary criteria**: type • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND42 • **type:** open peatland • **acres:** 16.6 • **boundary criteria**: type, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND43 • **type:** open peatland • **acres:** 1.8 • **boundary criteria**: type, pa • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND44 • **type:** forested peatland • **acres:** 15.2 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
N[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND45 • **type:** open peatland • **acres:** 2.0 • **boundary criteria**: type, pa • **pin**: 6D0611000010 • no known or probable anadromous fish

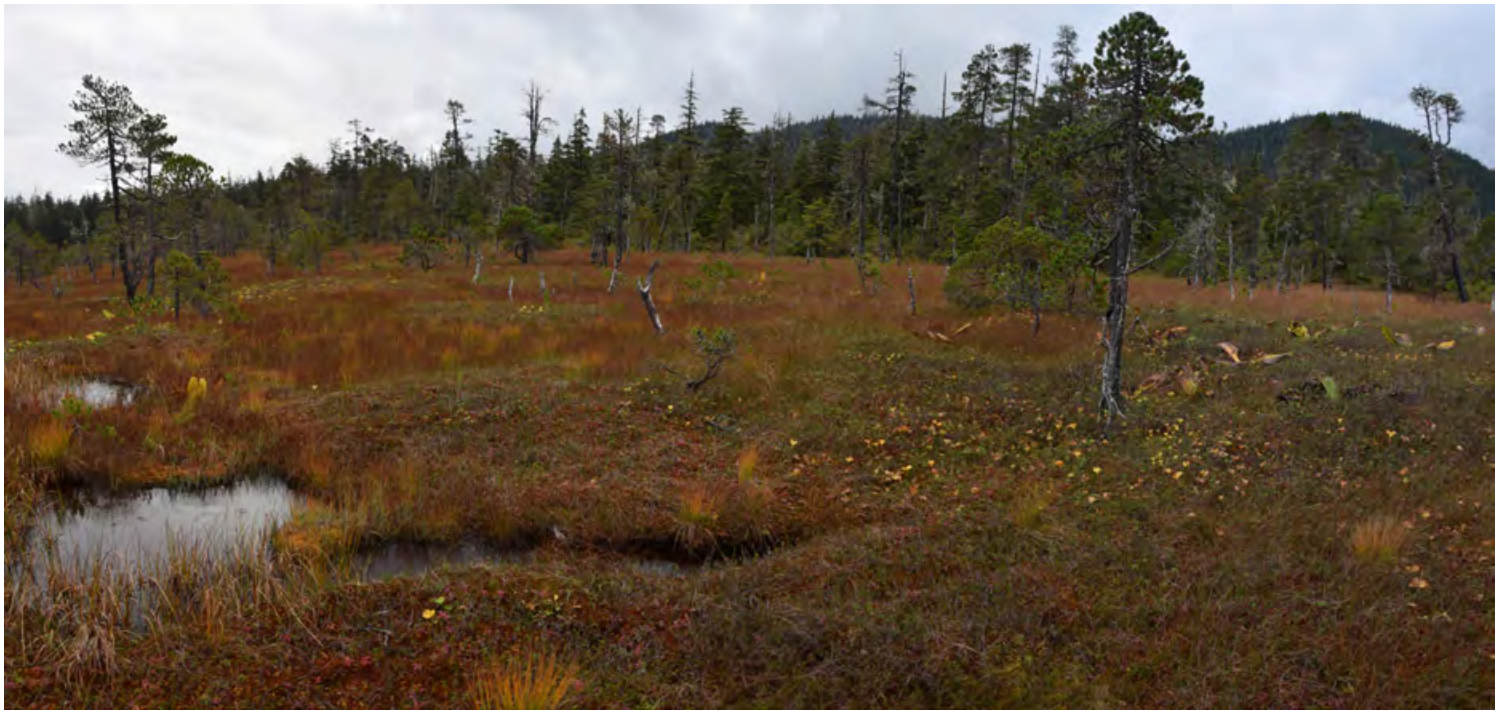
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND46 • **type:** open peatland • **acres:** 2.8 • **boundary criteria**: type, pa, subsh • **pin**: 6D0611000010
• no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND47 • **type:** open peatland • **acres:** 1.4 • **boundary criteria**: type • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



ND48 • **type:** open peatland • **acres:** 13.2 • **boundary criteria**: type, pa, subsh • **pin**: 6D0611000010
• no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND49 • **type:** open peatland • **acres:** 2.7 • **boundary criteria**: type, pa, subsh • **pin**: 6D0611000010
• no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND50 • **type:** open peatland • **acres:** 8.9 • **boundary criteria**: type, subsh • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND51 • **type:** open peatland • **acres:** 5.7 • **boundary criteria**: type • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND52 • **type:** open peatland • **acres:** 5.7 • **boundary criteria**: type • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND53 • **type:** open peatland • **acres:** 3.6 • **boundary criteria**: type • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND54 • **type:** open peatland • **acres:** 1.5 • **boundary criteria**: type, pa • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND55 • **type:** open peatland • **acres:** 1.2 • **boundary criteria**: type • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ND56 • **type:** for peatland • **acres:** 3.9 • **boundary criteria**: w-u, pa, subsh • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND57 • **type:** forested peatland • **acres:** 26.2 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ND58 • **type:** forested peatland • **acres:** 11.3 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
C[illegible]	[illegible]	H[illegible]r	N/A	N/A
N[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
N[illegible]	[illegible]	[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
A[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	N/A	N/A	[illegible]	H[illegible]r
[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]r
[illegible]	N/A	N/A	[illegible]	[illegible]r

ND59 • **type:** for. peatland • **acres:** 2.2 • **boundary criteria**: type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND60 • **type:** open peatland • **acres:** 4.1 • **boundary criteria**: type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]r	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]r
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND61 • **type:** forested peatland • **acres:** 15.5 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]

ND62 • **type:** forested peatland • **acres:** 11.0 • **boundary criteria**: w-u, pa, subsh • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]

ND63 • **type:** for. peatland • **acres:** 12.9 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D1201050010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND64 • **type:** forested peatland • **acres:** 55.5 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND65 • **type:** forested peatland • **acres:** 78.2 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D0611000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND66 • **type:** open peatland • **acres:** 1.4 • **boundary criteria**: w-u, type • **pin**: 6D0801050010, 20 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]

ND67 • **type:** for. peatland • **acres:** 1.3 • **boundary criteria**: w-u, type, pa • **pin**: 6D0801050010, 20 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND68 • **type:** open peatland • **acres:** 1.1 • **boundary criteria**: type, subsh • **pin**: 6D1201050010 • no known or probable anadromous fish

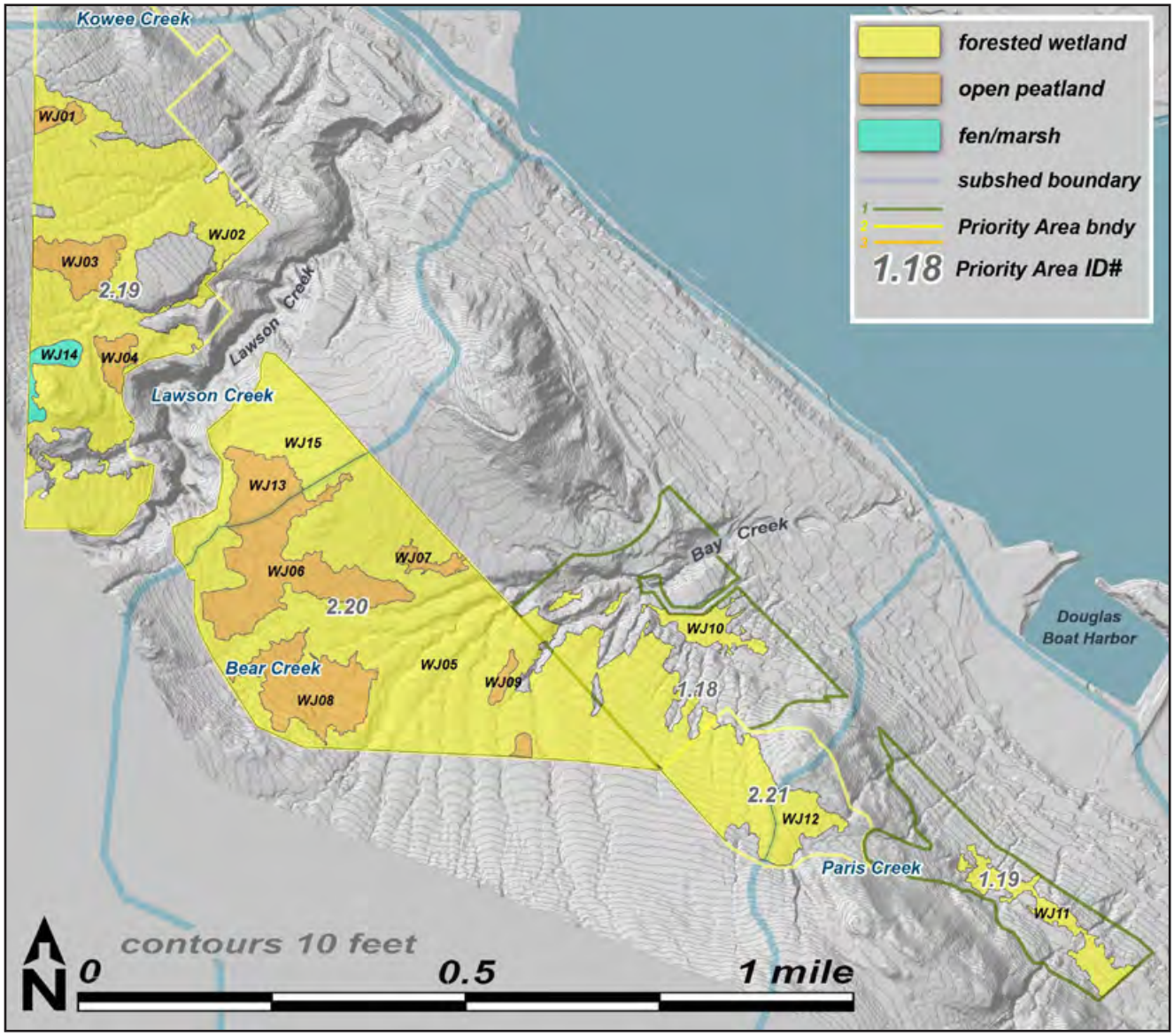
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible] M[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

ND69 • **type:** forested peatland • **acres:** 5.7 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	H[illegible]r	N/A	N/A
[illegible]	[illegible]	H[illegible]r	N/A	N/A
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]r
[illegible]	N/A	N/A	[illegible]	[illegible]r

ND70 • **type:** open peatland • **acres:** 1.4 • **boundary criteria**: type, subsh • **pin**: 6D1011000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
C[illegible]	[illegible]	H[illegible]	N/A	N/A
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



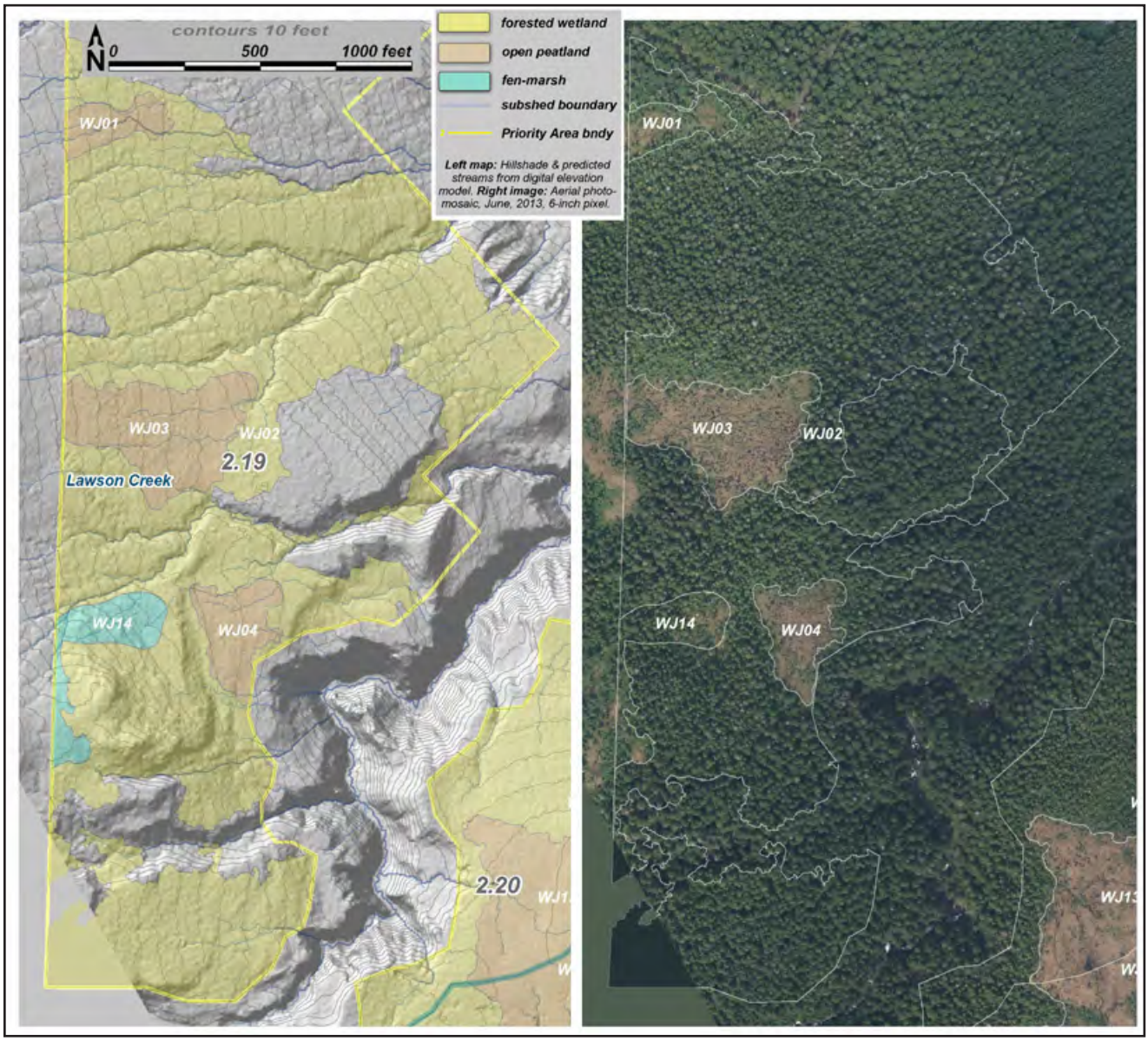
09WJ units

CBJ's West Juneau (WJ) map page contains 5 Priority Areas totaling 276 acres, all on City land, and all surveyed by our team in the first weeks of the 2014 field season. On this map are 3 'subsheds,' shown here with blue lines.

We completed 15 Assessment Areas on the WJ page, totaling 184 acres, or 67% of the combined PAs. As on the North Douglas page (87% of PAs in mapped wetlands) this high percentage is due to impermeable fines deposited on gently sloping topography during periods of raised sea level in the early Holocene.

WJ01 • **type:** open peatland • **acres:** 1.0 • **boundary criteria**: type, pa • **pin**: 1D511000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for WJ01 02 03 04 14

WJ02 • **type:** forested peatland • **acres:** 46.8 • **boundary criteria**: w-u, type, pa • **pin**: 1D511000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WJ03 • **type:** open peatland • **acres:** 3.7 • **boundary criteria**: type, pa • **pin**: 1D511000010 • no known or probable anadromous fish

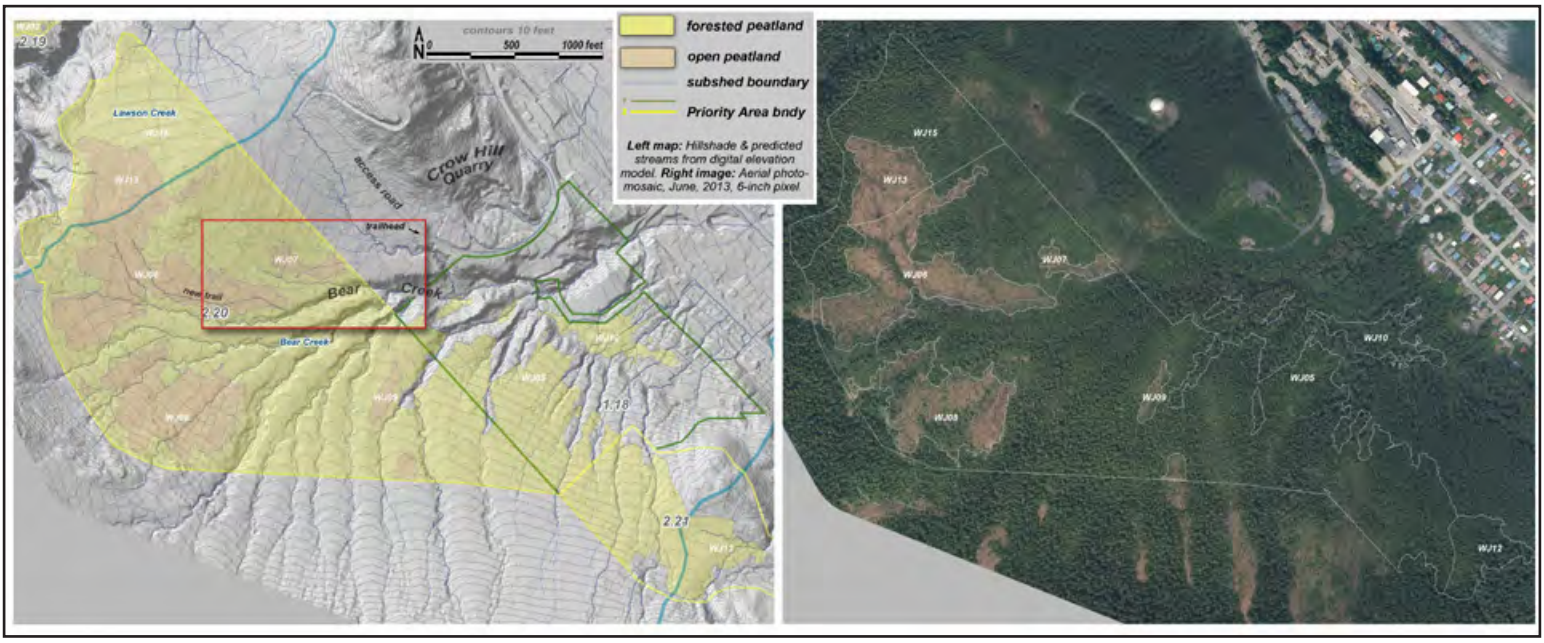
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WJ04 • **type:** open peatland • **acres:** 1.5 • **boundary criteria**: type, pa • **pin**: 1D511000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WJ05 • **type:** forested peatland • **acres:** 80.8 • **boundary criteria**: w-u, type, pa, subsh • **pin**: 2D0401000030, 2D0512000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for WJ05 06 07 08 09 10

WJ06 • **type:** open peatland • **acres:** 11.5 • **boundary criteria**: type, subsh • **pin**: 2D0512000010
• no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WJ07 • **type:** open peatland • **acres:** 1.0 • **boundary criteria**: type, pa • **pin**: 2D0512000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WJ08 • **type:** open peatland • **acres:** 8.2 • **boundary criteria**: type • **pin**: 2D0512000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WJ09 • **type:** open peatland • **acres:** 1.0 • **boundary criteria**: type, pa • **pin**: 2D0512000010 • no known or probable anadromous fish

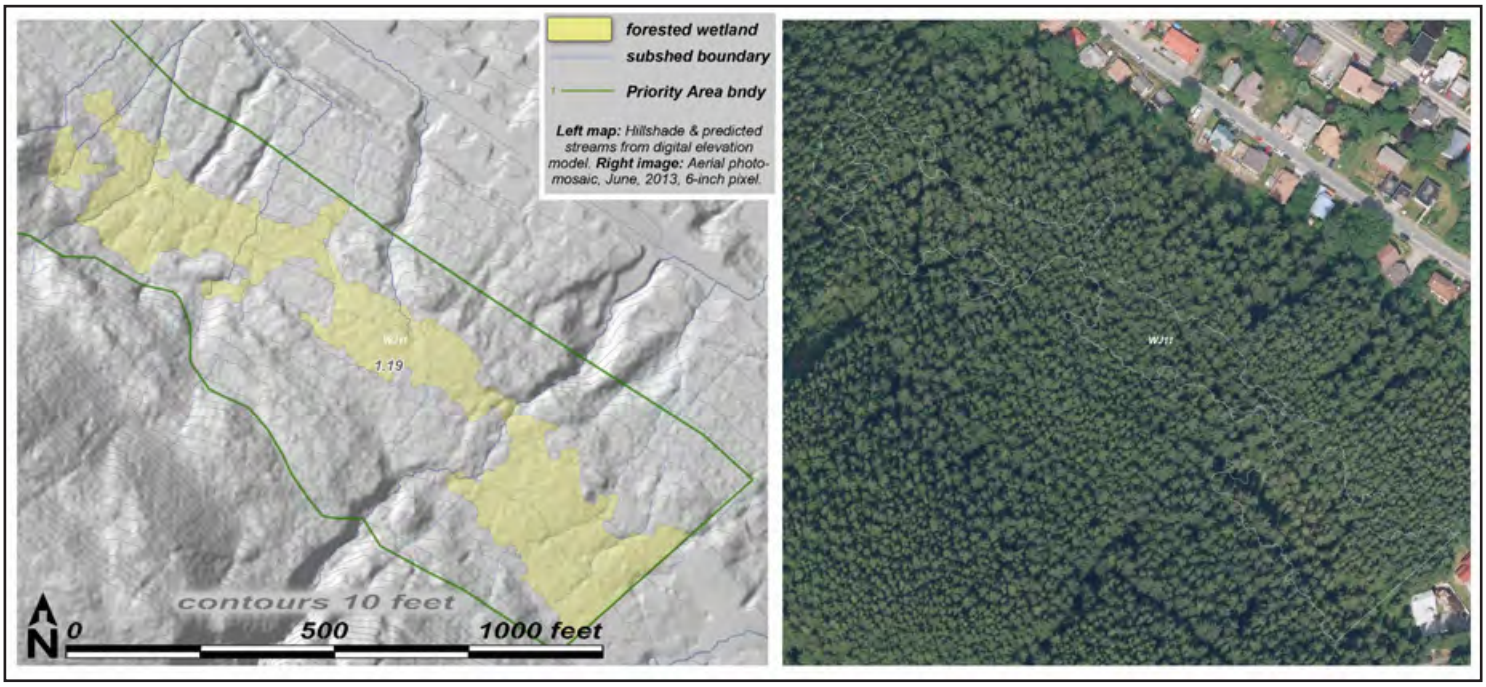
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WJ10 • **type:** for. peatland • **acres:** 2.5 • **boundary criteria**: w-u, pa • **pin**: 2D040C050030 2D0401000020 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WJ11 • **type:** forested peatland • **acres:** 4.4 • **boundary criteria**: w-u, pa • **pin**: 2D0401000020 2D0401000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit map for WJ11

WJ12 • **type:** for. peatland • **acres:** 3.4 • **boundary criteria**: w-u, pa, subsh • **pin**: 2D0401000030, 2D0512000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WJ13 • **type:** open peatland • **acres:** 4.0 • **boundary criteria**: type, subsh • **pin**: 2D0512000010 • no known or probable anadromous fish

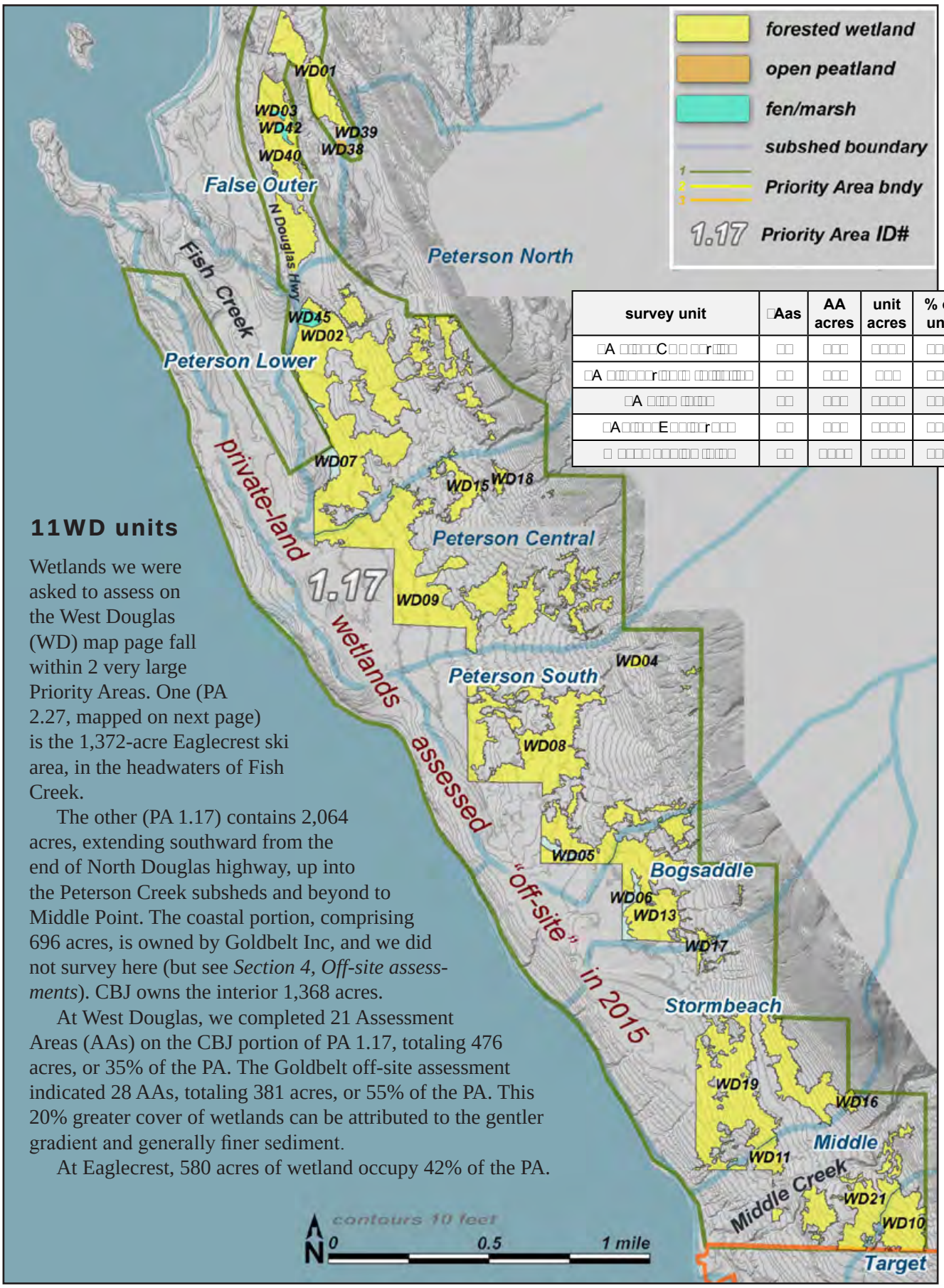
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WJ14 • **type:** fen/marsh • **acres:** 1.6 • **boundary criteria**: type, pa • **pin**: 1D0511000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N[illegible]	N[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N[illegible]	N[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N[illegible]	N[illegible]	[illegible]	H[illegible]
[illegible]	N[illegible]	N[illegible]	[illegible]	M[illegible]
[illegible]	N[illegible]	N[illegible]	[illegible]	M[illegible]
[illegible]	N[illegible]	N[illegible]	[illegible]	M[illegible]
[illegible]	N[illegible]	N[illegible]	[illegible]	[illegible]

WJ15 • **type:** for. peatland • **acres:** 12.8 • **boundary criteria**: type, pa, subsh • **pin**: 2D0401000030, 2D0512000010 • no known or probable anadromous

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	M[illegible]	N/A	N/A
N[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]



survey unit	Aas	AA acres	unit acres	% of unit
A C r				
A r				
A				
A E r				

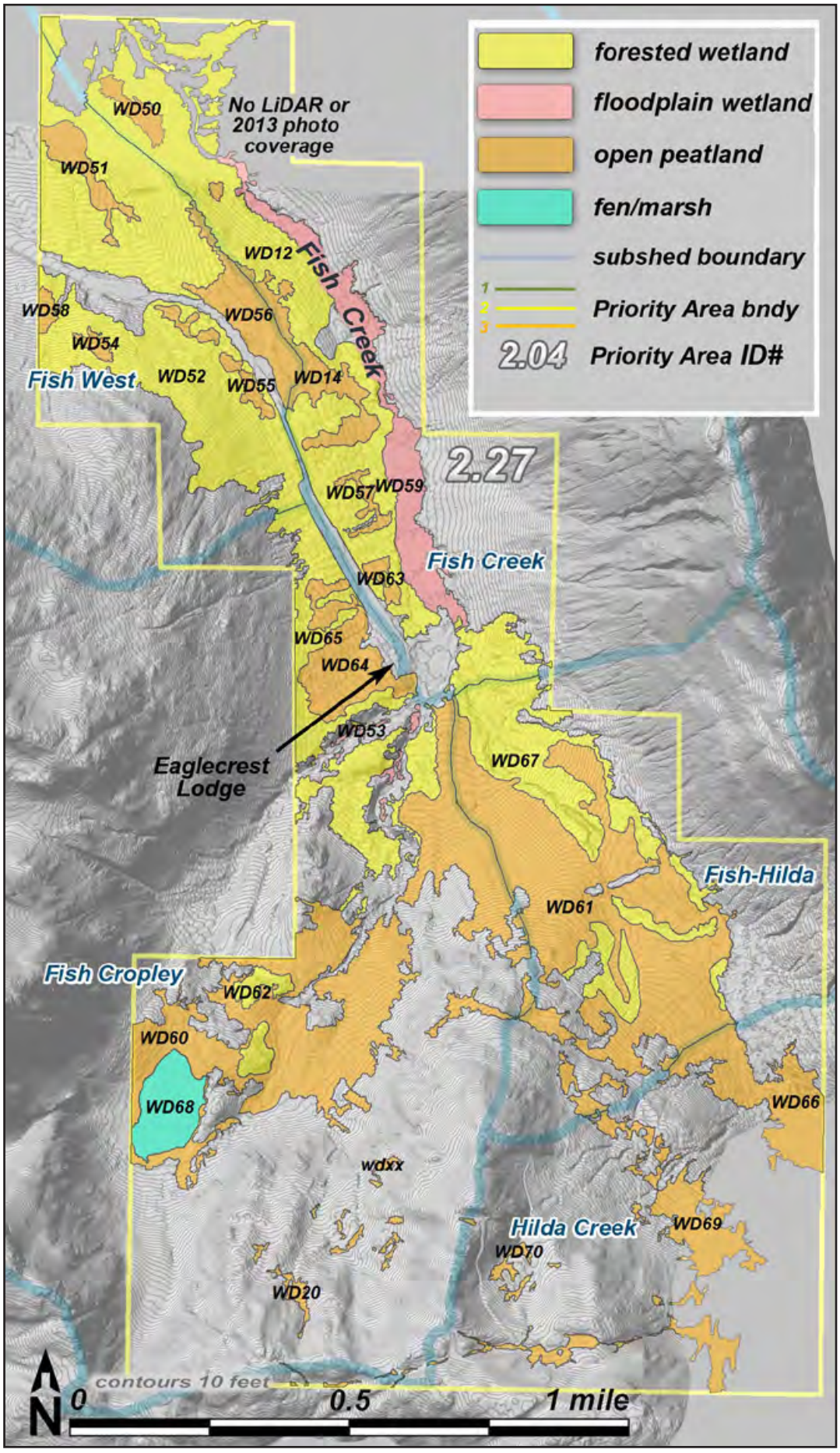
11WD units

Wetlands we were asked to assess on the West Douglas (WD) map page fall within 2 very large Priority Areas. One (PA 2.27, mapped on next page) is the 1,372-acre Eaglecrest ski area, in the headwaters of Fish Creek.

The other (PA 1.17) contains 2,064 acres, extending southward from the end of North Douglas highway, up into the Peterson Creek subsheds and beyond to Middle Point. The coastal portion, comprising 696 acres, is owned by Goldbelt Inc, and we did not survey here (but see *Section 4, Off-site assessments*). CBJ owns the interior 1,368 acres.

At West Douglas, we completed 21 Assessment Areas (AAs) on the CBJ portion of PA 1.17, totaling 476 acres, or 35% of the PA. The Goldbelt off-site assessment indicated 28 AAs, totaling 381 acres, or 55% of the PA. This 20% greater cover of wetlands can be attributed to the gentler gradient and generally finer sediment.

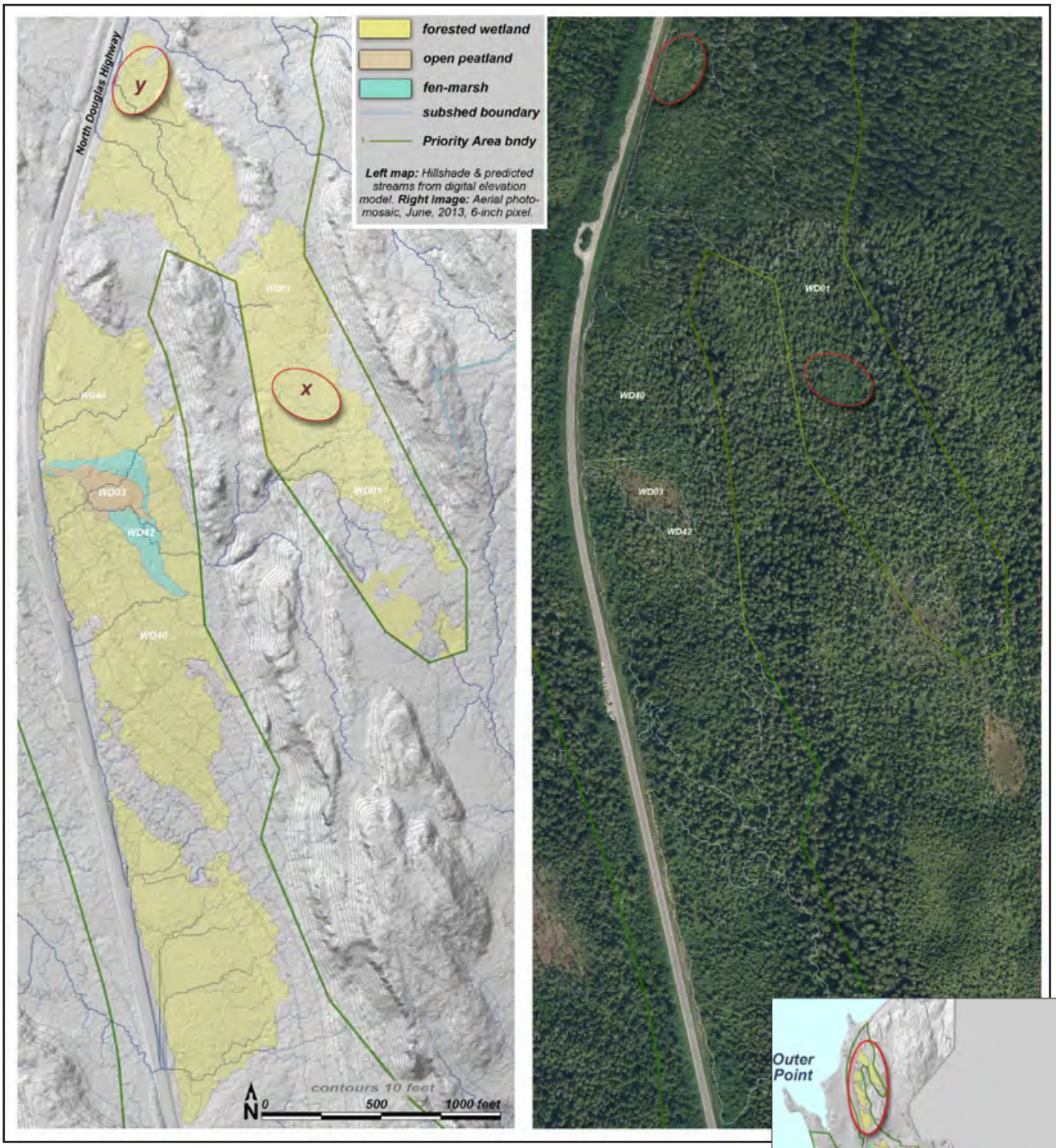
At Eaglecrest, 580 acres of wetland occupy 42% of the PA.

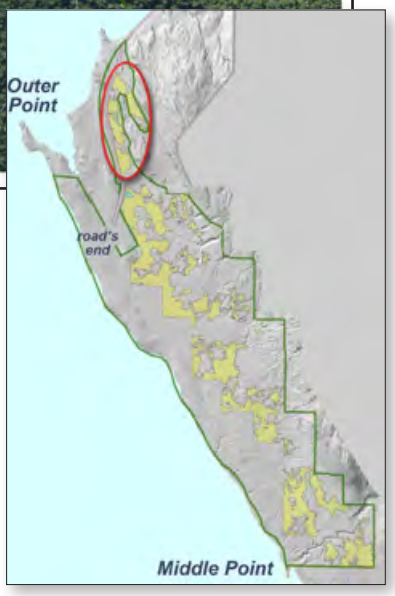


This is a somewhat misleading statistic, however. Virtually all of the low-gradient valley bottom is wetland, right up to the steeply inflecting valley walls. Even some of the mellower ski runs are wetland, as exposed muck and downslope erosion reveal in the summer season.

WD01 • **type:** forested peatland • **acres:** 17.7 • **boundary criteria**: w-u, pa • **pin**: 3D1301000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	High	[illegible]	High
[illegible] High	[illegible]	High	[illegible]	Moderate
[illegible] Moderate [illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible] High	[illegible]	High	[illegible]	[illegible]
[illegible] Cr[illegible]	[illegible]	High	[illegible]	[illegible]
Cr[illegible]	[illegible]	High	N/A	N/A
[illegible] High	[illegible]	Moderate	[illegible]	[illegible]
[illegible]	[illegible]	Moderate	[illegible]	[illegible]
[illegible] N[illegible] High	[illegible]	Moderate	[illegible]	[illegible]
A[illegible] High	[illegible]	Moderate	[illegible]	[illegible]
[illegible]	[illegible]	Moderate	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	Moderate	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	Moderate
[illegible]	[illegible]	[illegible]	[illegible]	Moderate
A[illegible] High	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] High	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] High	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	Moderate
[illegible]	N/A	N/A	[illegible]	Moderate
[illegible]	N/A	N/A	[illegible]	Moderate
[illegible]	N/A	N/A	[illegible]	Moderate
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]

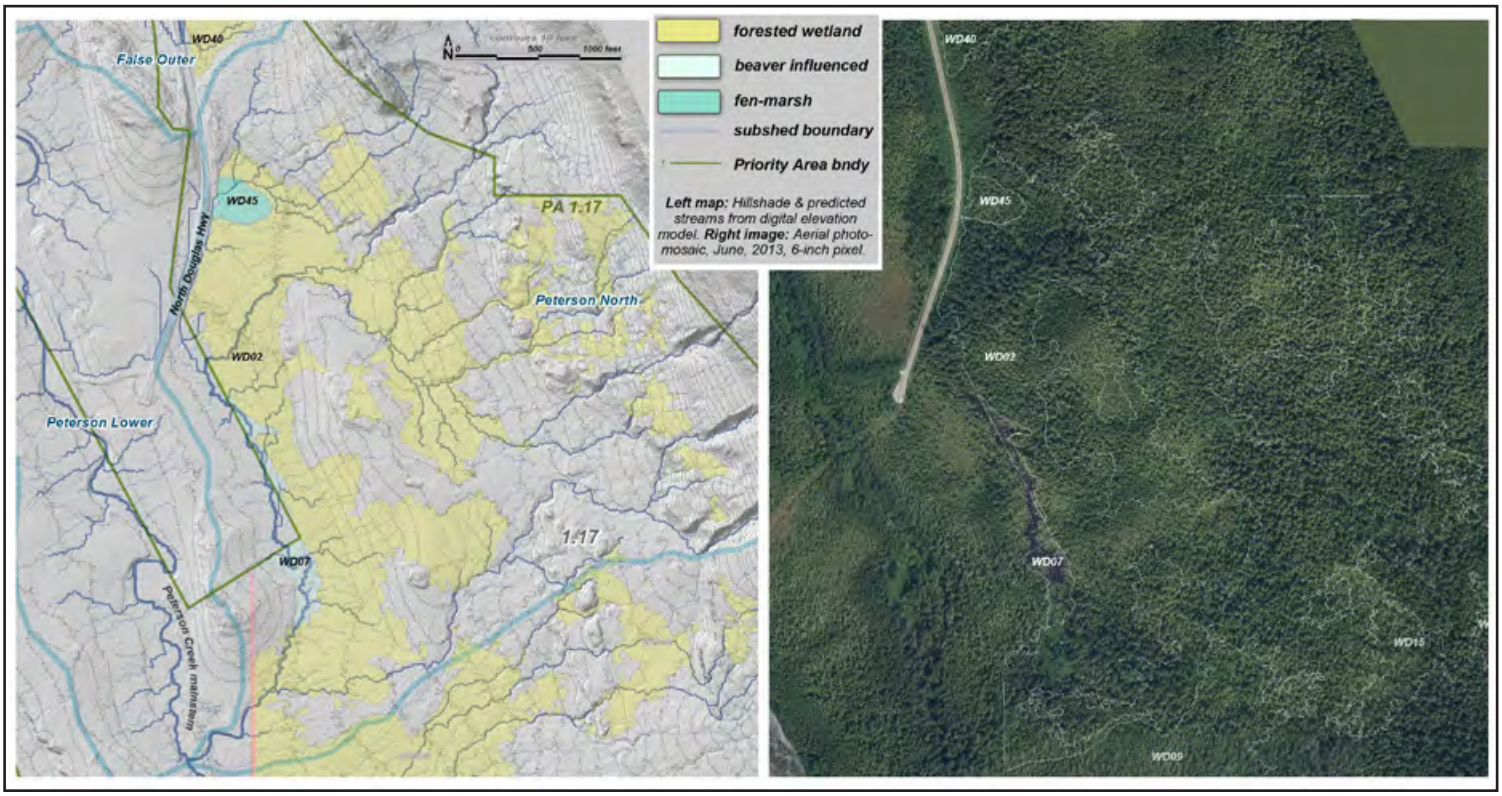




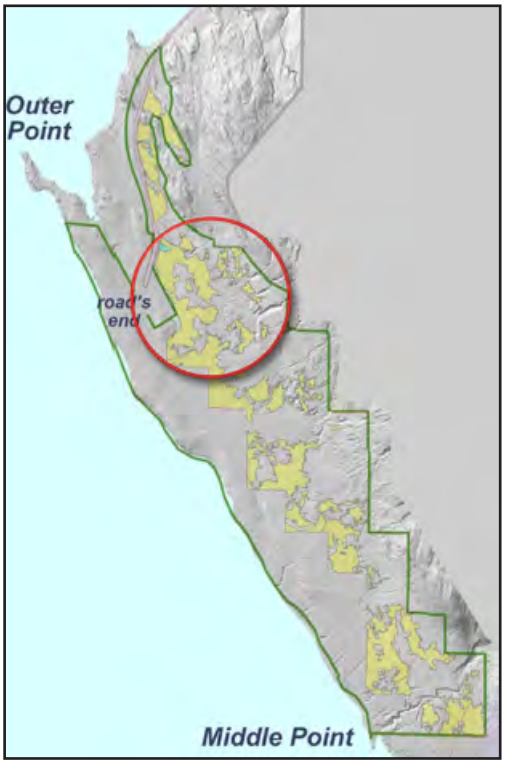
Unit maps for WD01 03 40 42

WD02 • **type:** for. peatland • **acres:** 96.7 • **boundary criteria**: w-u, pa, type, subsh • **pin**: 3D1301000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for WD02 07 45

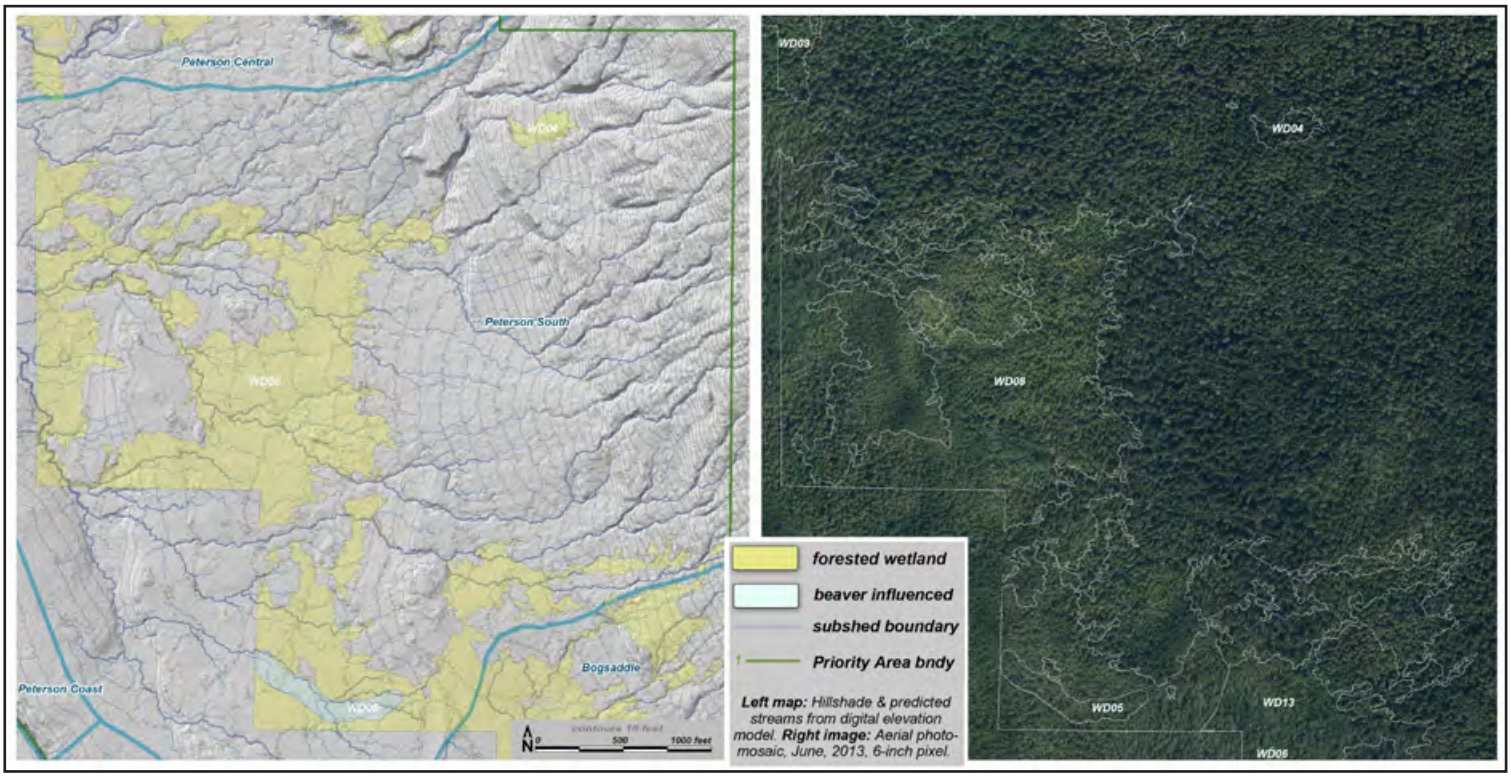


WD03 • **type:** open peatland • **acres:** 1.0 • **boundary criteria**: type • **pin**: 3D1301000010 • no known or probable anadromous fish

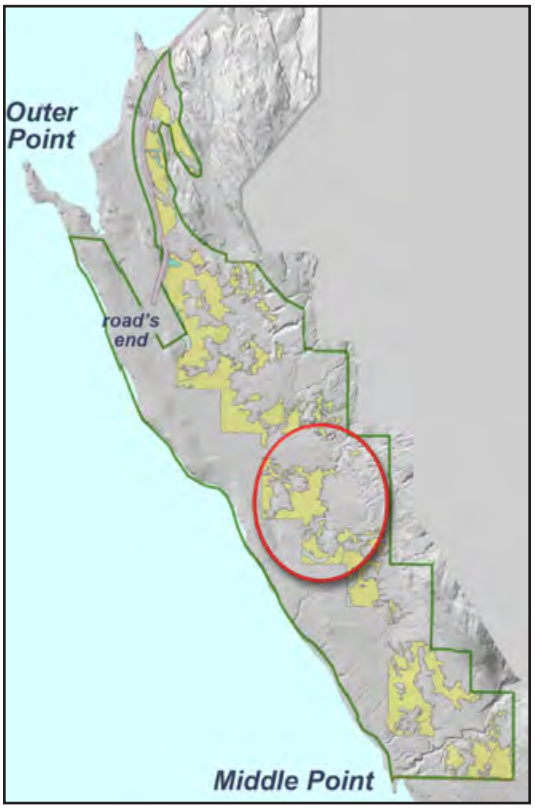
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WD04 • **type:** forested peatland • **acres:** 1.2 • **boundary criteria**: type • **pin**: 3D1301000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for WD04 05 08

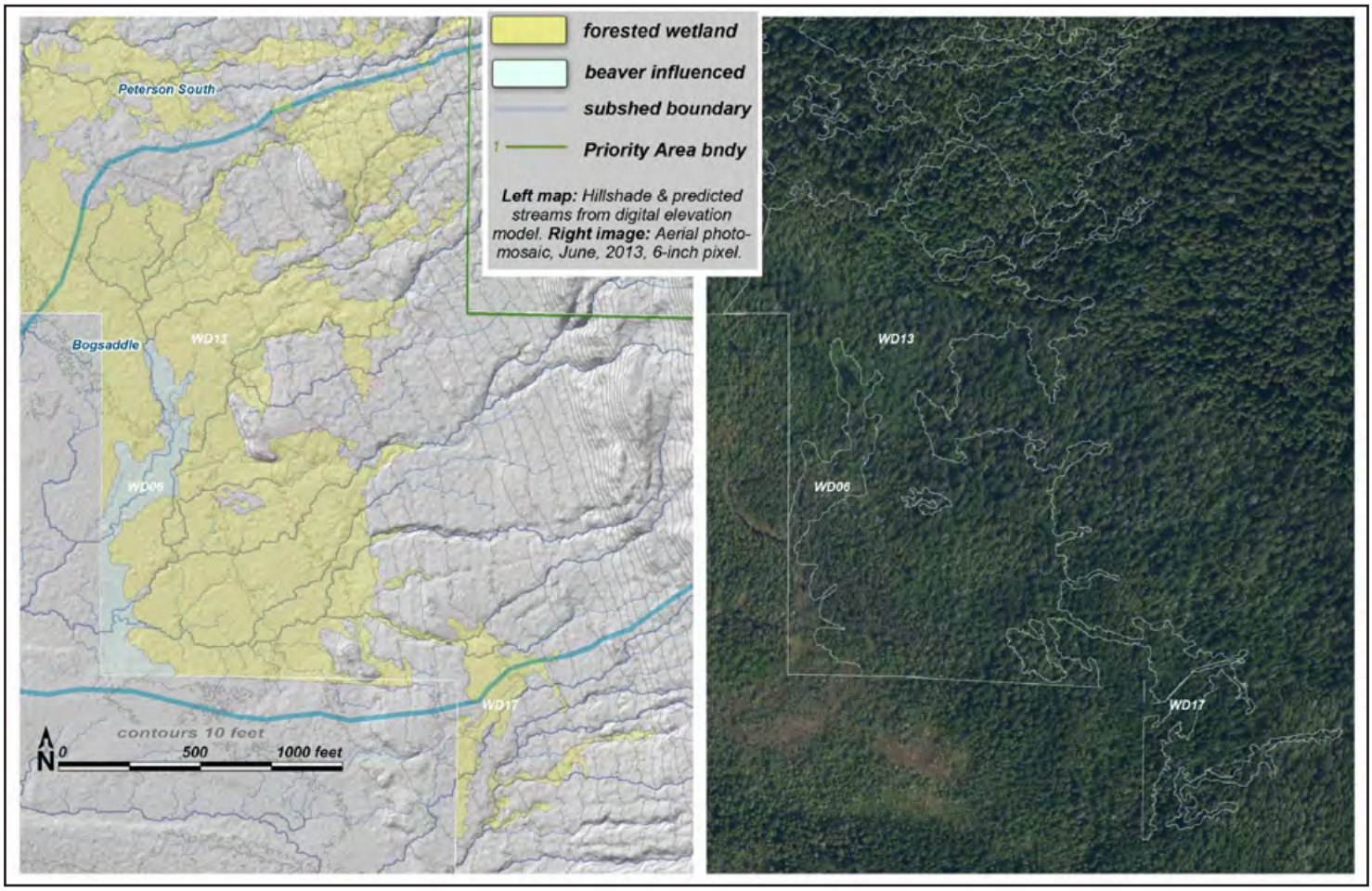


WD05 • **type:** beaver influenced • **acres:** 2.6 • **boundary criteria**: type • **pin**: 3D1301000010 • known or probable anadromous fish

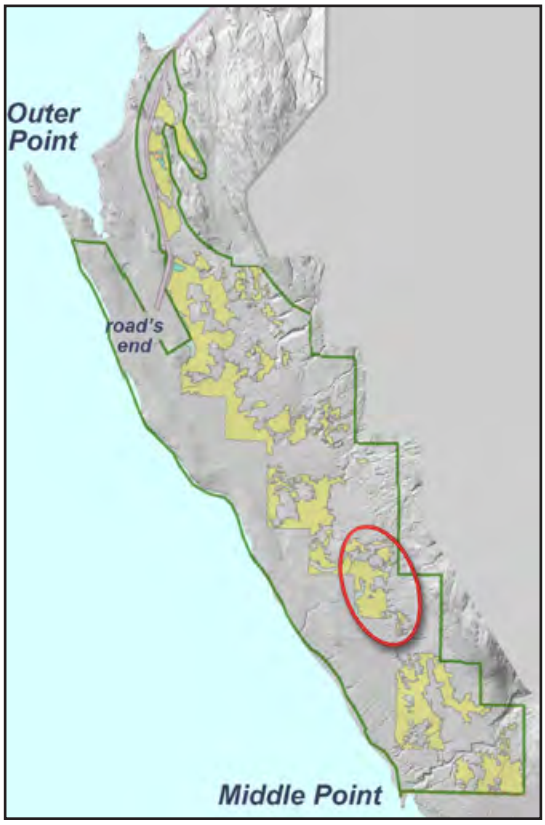
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WD06 • **type:** beaver influenced • **acres:** 3.4 • **boundary criteria**: type, pa • **pin**: 3D1301000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
A[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for WD06 13 17



WD07 • **type:** beaver influenced • **acres:** 3.5 • **boundary criteria**: type, pa • **pin**: 3D1301000010 • known or probable anadromous fish

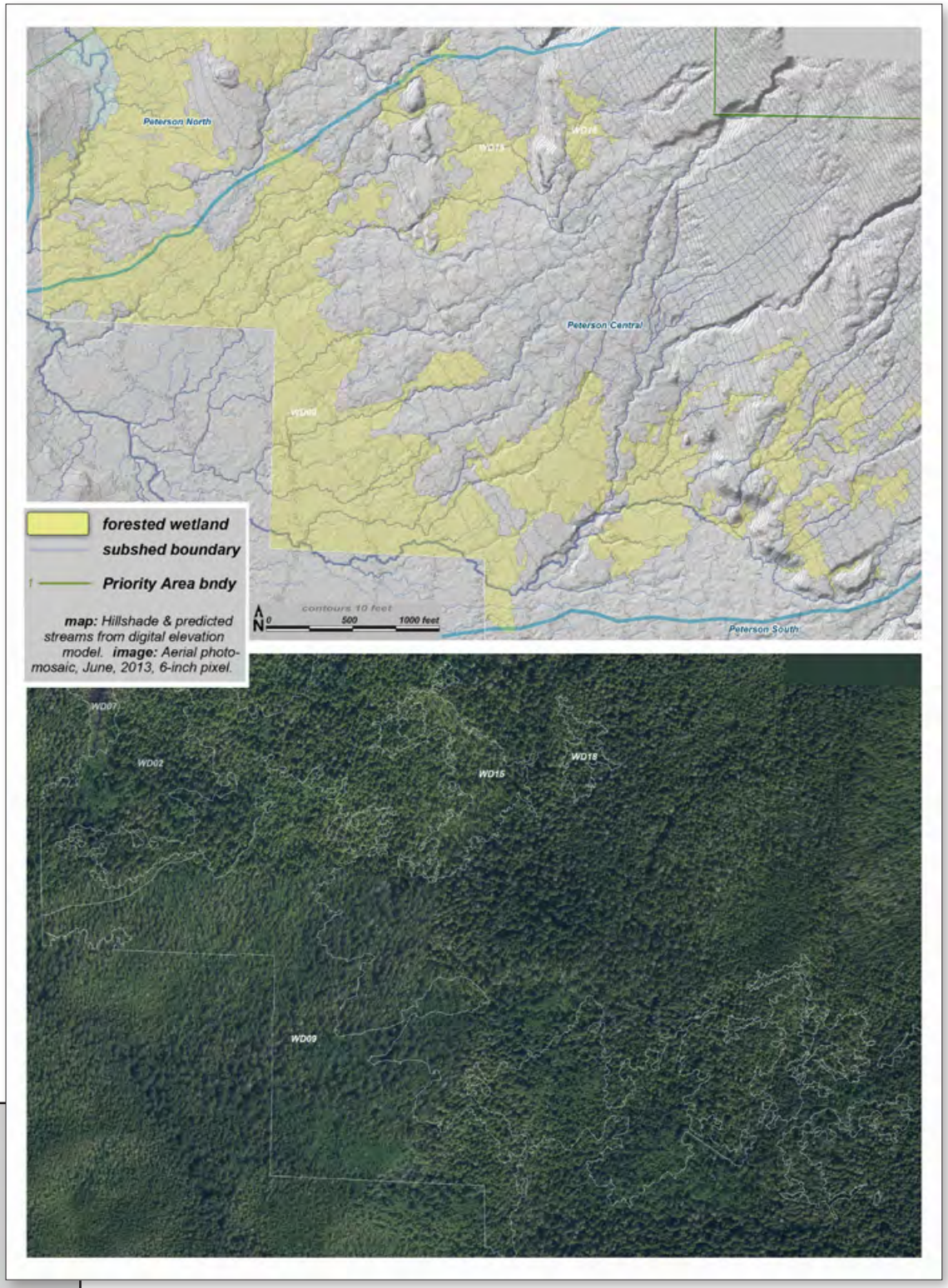
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD08 • **type:** forested peatland • **acres:** 71.5 • **boundary criteria**: w-u, pa, subsh • **pin**: 3D1301000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD09 • **type:** forested peatland • **acres:** 79.6 • **boundary criteria**: w-u, pa, subsh • **pin**: 3D1301000010 • no known or probable anadromous fish

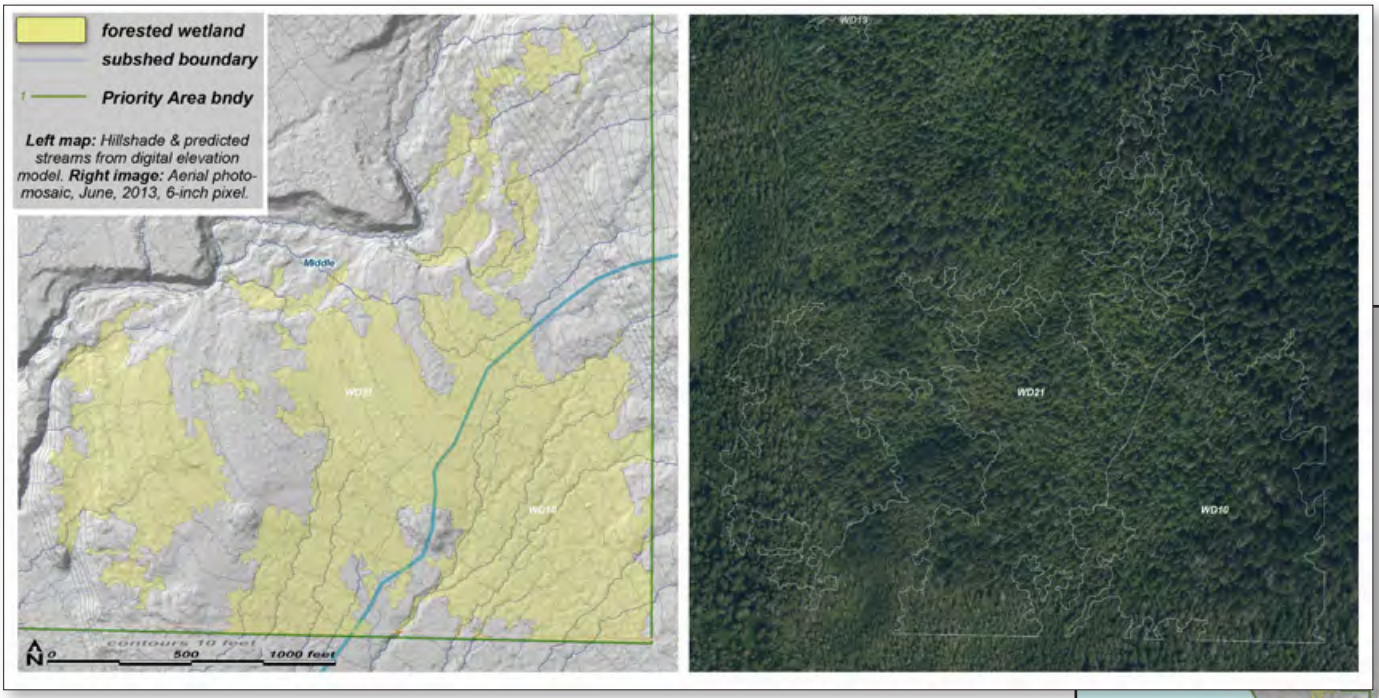
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



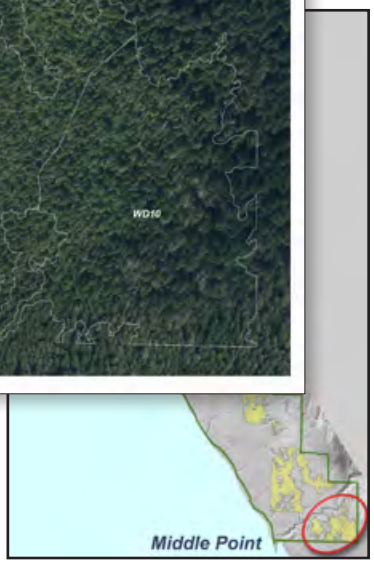
Unit maps for WD09 15 18

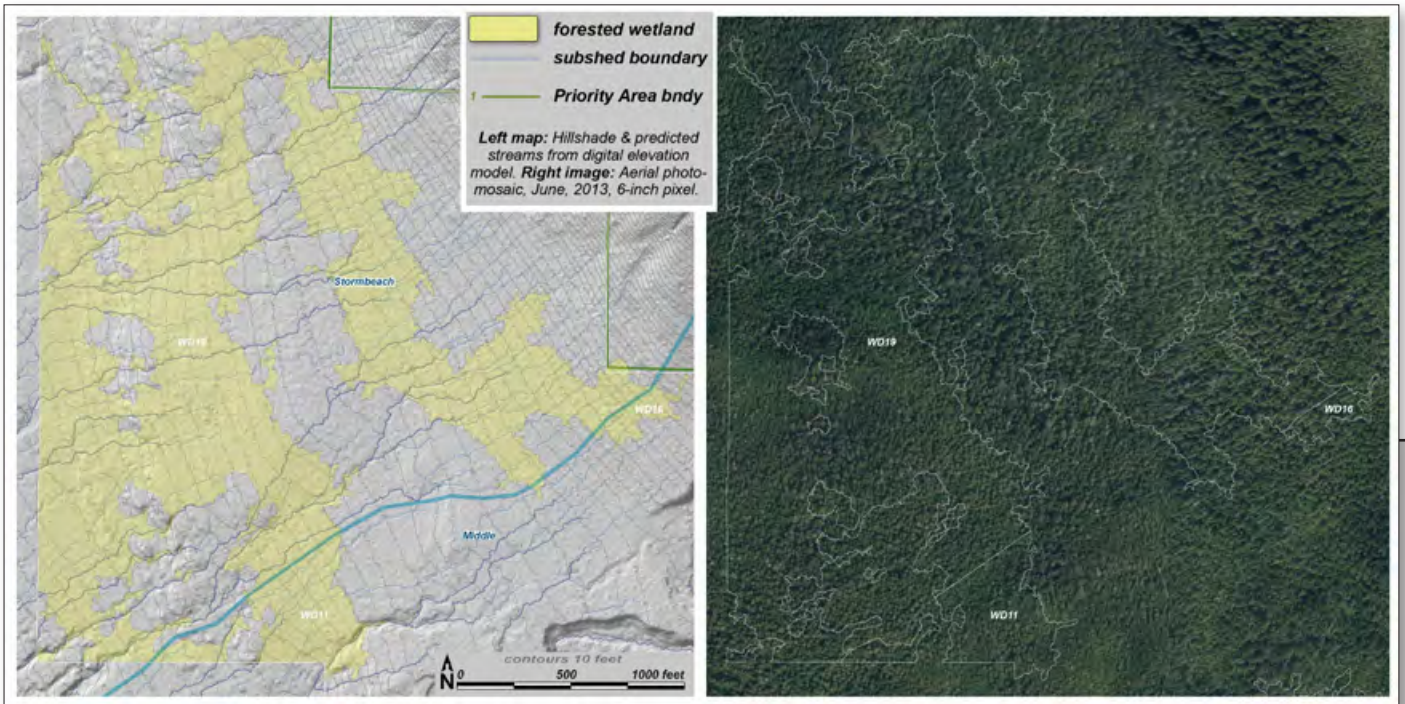
WD10 • **type:** forested peatland • **acres:** 14.9 • **boundary criteria**: w-u, pa, subsh • **pin**: 3D1301000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for WD10 21





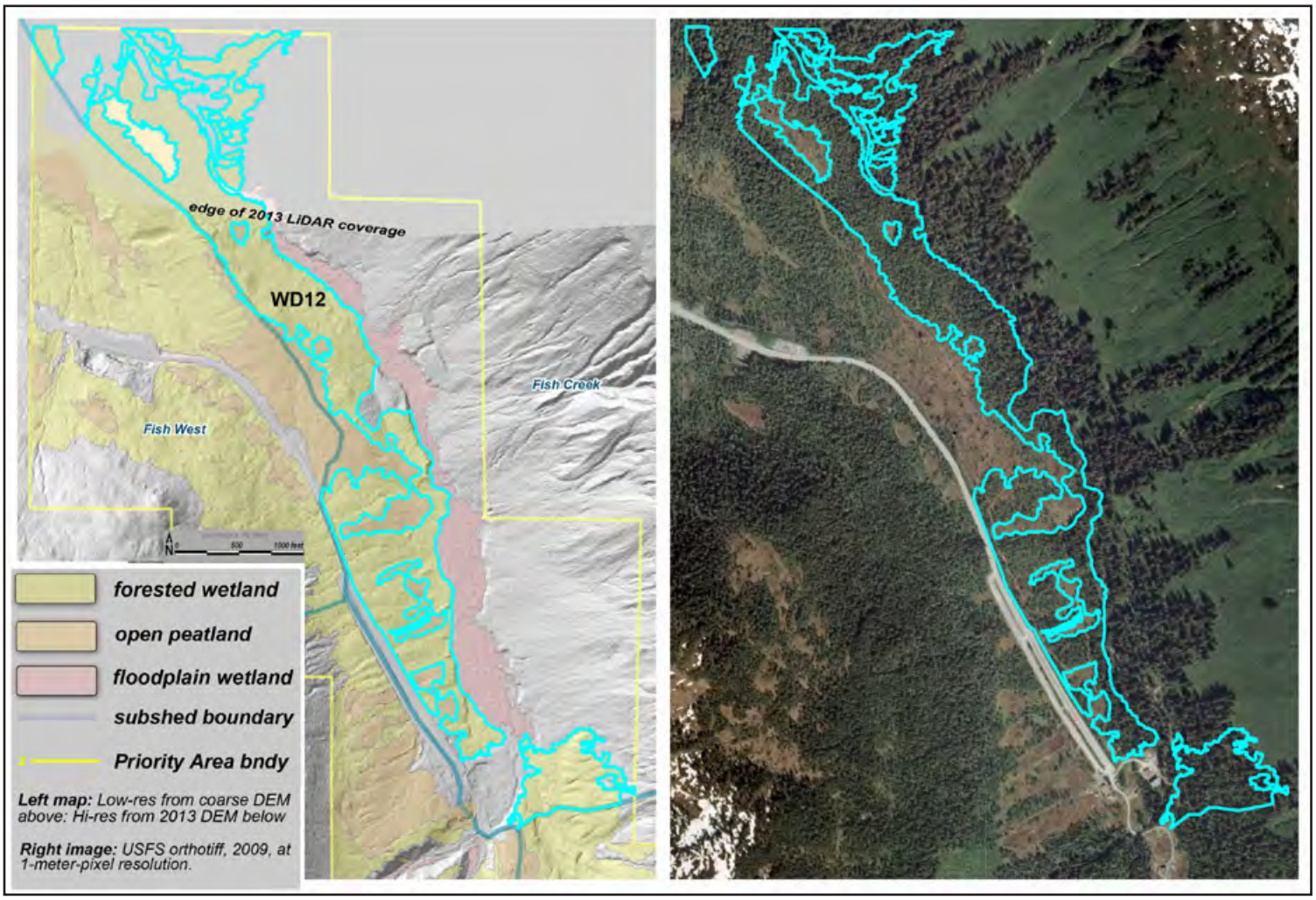
Unit maps for WD11 16 19

WD11 • **type:** forested peatland • **acres:** 5.8 • **boundary criteria**: w-u, subsh • **pin**: 3D1301000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]
[illegible]	[illegible]	N/A	N/A	[illegible]

WD12 • **type:** forested peatland • **acres:** 85.1 • **boundary criteria**: w-u, pa, type, subsh • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit map for WD12

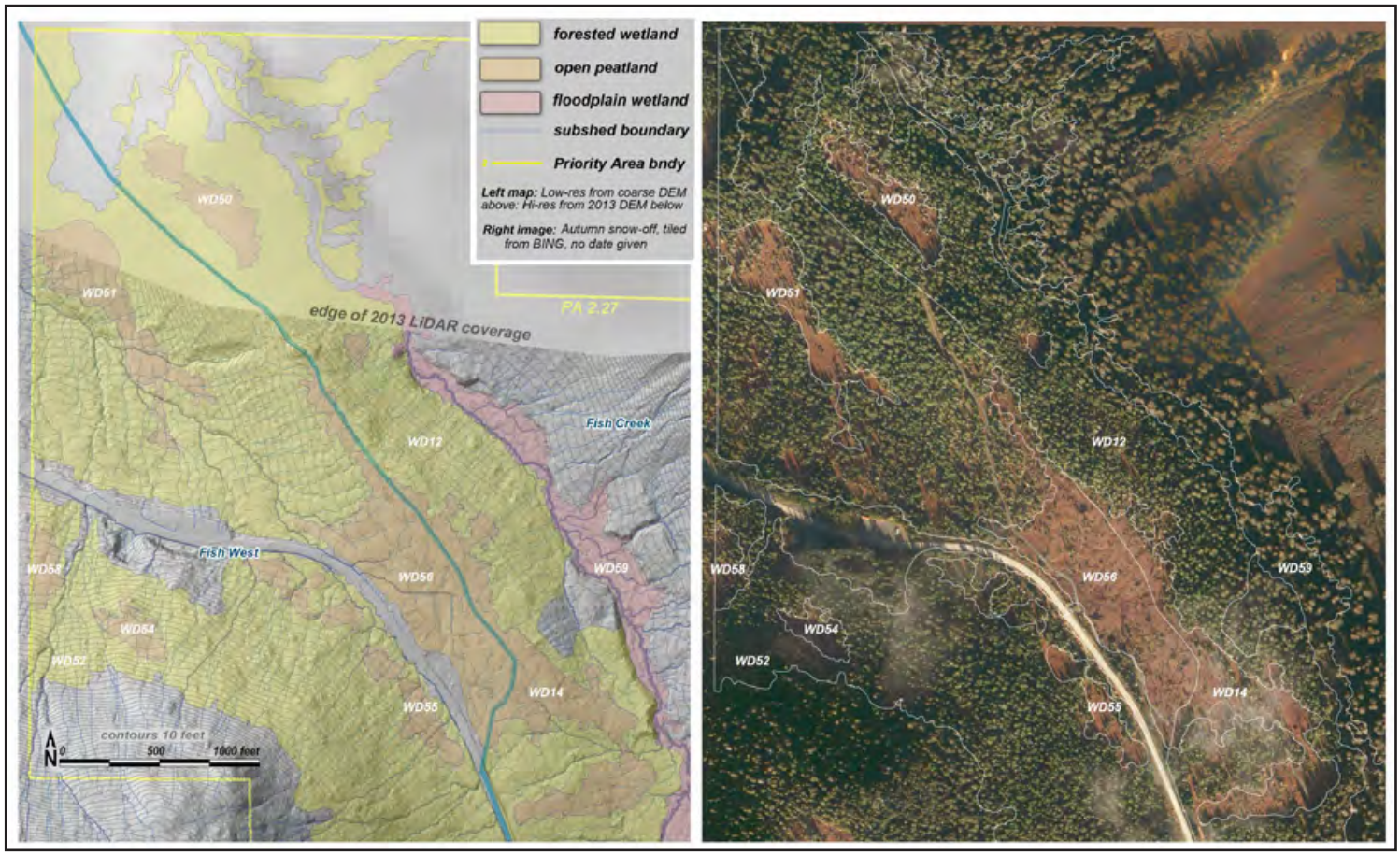
WD13 • **type:** forested peatland • **acres:** 36.0 • **boundary criteria**: w-u, pa, type, subsh • **pin**: 3D1301000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

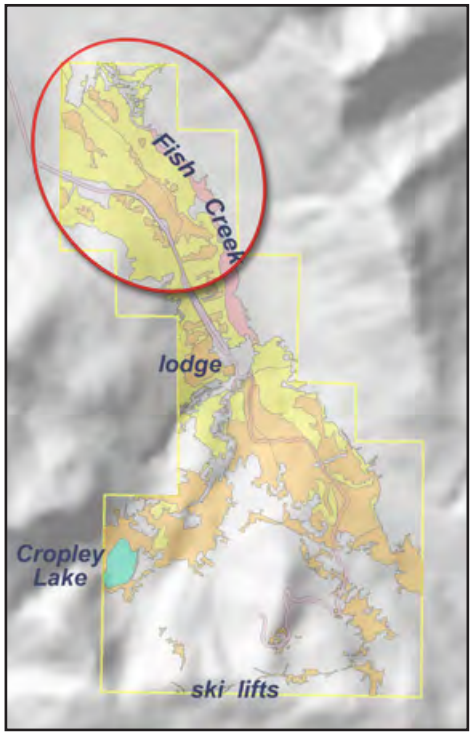
WD14 • **type:** open peatland • **acres:** 10.8 • **boundary criteria**: type, subsh • **pin**: 3D1021000010
• known or probable anadromous fish

This is in error - will recalculate tables

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for WD14 50 51 52 54 55 56 58



WD15 • **type:** for. peatland • **acres:** 8.5 • **boundary criteria**: w-u, subsh • **pin**: 3D1301000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD16 • **type:** for. peatland • **acres:** 1.1 • **boundary criteria**: w-u, subsh • **pin**: 3D1301000010 • known or probable anadromous fish

error -change fish score in table

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD17 • **type:** for. peatland • **acres:** 2.1 • **boundary criteria**: w-u, pa, subsh • **pin**: 3D1301000010 • no known or probable anadromous fish

□□□□□□□□□ □r □ □□□r A□r□□□□	□□□□□□□□□ □□□r□	□□□□□□□□□ □ □□□□□	□□□□□ □□□r□	□□□□□ □ □□□□□
□□r□□□ □□□□ □□□□□r□	□□□□	H□□□□r	□□□□	M□d□r□□□
□ □□□r C□□□□□	□□□□	H□□□□r	□□□□	M□d□r□□□
N□□□□ □□□□H□□□□□	□□□□	H□□□□r	□□□□	□□□□r
□r□□□□N□□r□□□E□□□r□	□□□□	H□□□□r	N□A□	N□A□
□□□□□□□r H□□□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□ □□□r □ □r□ □□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□□□□□□□r□□ □ □□□□□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
N□□r□□□ □ □□ □□□□	□□□□	M□d□r□□□	□□□□	M□d□r□□□
□ □□□d□□□□□□□ H□□□□□	□□□□	M□d□r□□□	□□□□	□□□□r
□□□□□□rd□□ □□□□r□□ M□□ □ □□H□□□□□	□□□□	M□d□r□□□	□□□□	□□□□r
A□ □□□□□□□ H□□□□□	□□□□	M□d□r□□□	□□□□	□□□□r
□ □□□r□□rd N□□□□□ H□□□□□	□□□□	M□d□r□□□	□□□□	□□□□r
□ □□□r □□r□□□	□□□□	M□d□r□□□	□□□□	□□□□r
C□r□□□ □□□□□□□r□□□□	□□□□	M□d□r□□□	N□A□	N□A□
□□d□□ □□□□ □□□□□□ □ □□□□□□□□□□	□□□□	□□□□r	□□□□	M□d□r□□□
□□□□r□□□r□□□ H□□□□□	□□□□	□□□□r	□□□□	□□□□r
A□□dr□□ □□□ □□□□ H□□□□□	□□□□	□□□□r	□□□□	□□□□r
□ □□□r□□rd □□□d□□□ H□□□□□	□□□□	□□□□r	□□□□	□□□□r
□ □□□□□d □□□□□□□□□	N□A□	N□A□	□□□□	M□d□r□□□
□ □□□□□d E□□□□□□□□C□□d□□□□	N□A□	N□A□	□□□□	M□d□r□□□
□ □□□□□d □□r□□□□r□	N□A□	N□A□	□□□□	□□□□r
□ □□□□□d □□□□	N□A□	N□A□	□□□□	□□□□r
□□□□□□ □□□ □ □□□□□□□□□□	N□A□	N□A□	□□□□	□□□□r

WD18 • **type:** forested peatland • **acres:** 1.9 • **boundary criteria**: type • **pin**: 3D1301000010 • no known or probable anadromous fish

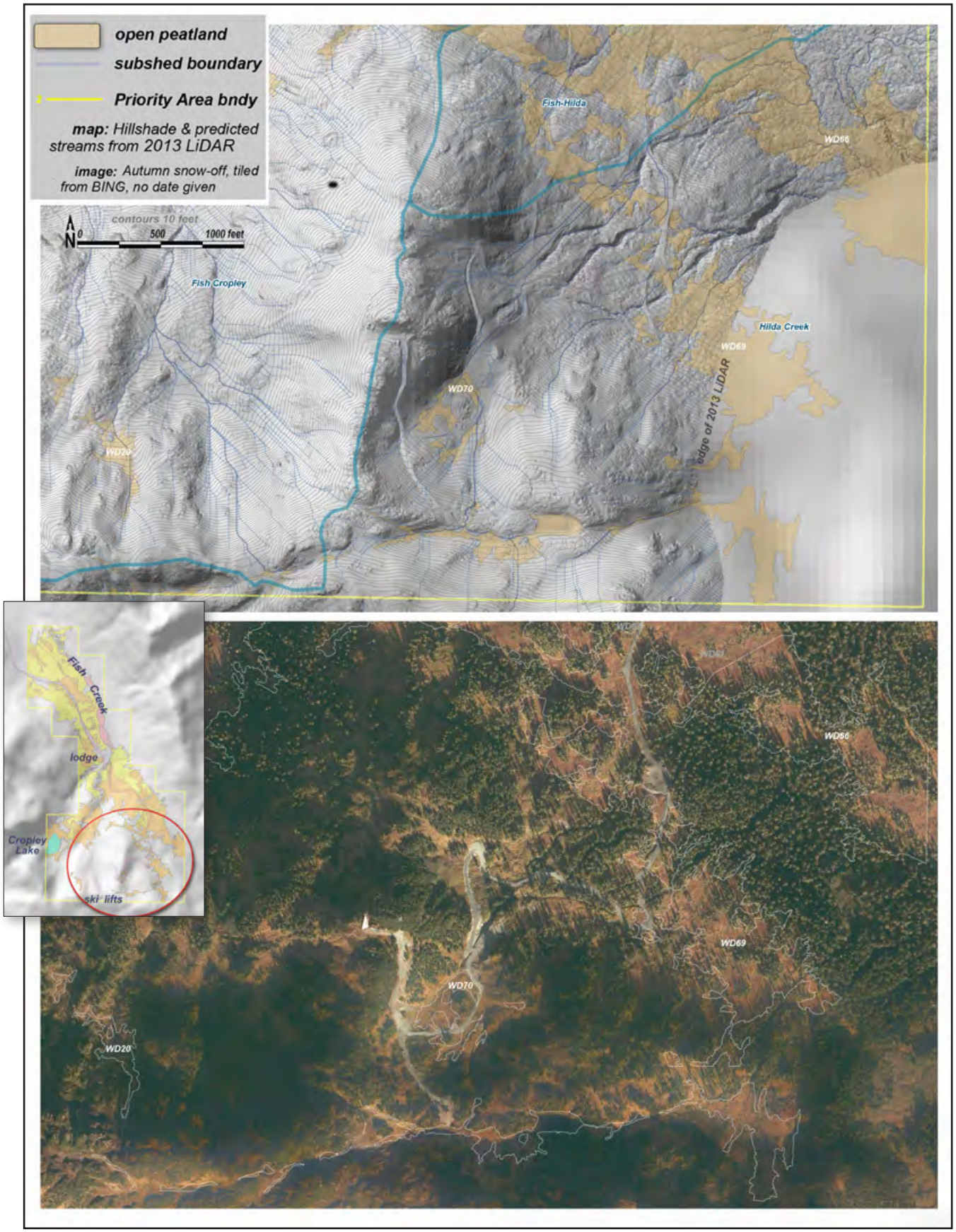
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WD19 • **type:** forested peatland • **acres:** 68.9 • **boundary criteria**: w-u, pa, subsh • **pin**: 3D1301000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WD20 • **type:** open peatland • **acres:** 1.7 • **boundary criteria**: type • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for WD20 66 69 70

WD21 • **type:** forested peatland • **acres:** 26.8 • **boundary criteria**: w-u, pa, subsh • **pin**: 3D1301000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD40 • **type:** forested peatland • **acres:** 29.6 • **boundary criteria**: w-u, pa, type • **pin**: 3D1301000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	M[illegible]
[illegible]	N/A	N/A	M[illegible]
[illegible]	N/A	N/A	[illegible]
[illegible]	N/A	N/A	[illegible]
[illegible]	N/A	N/A	[illegible]

WD42 • **type:** fen/marsh • **acres:** 1.5 • **boundary criteria**: type • **pin**: 3D1301000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WD45 • **type:** fen/marsh • **acres:** 2.0 • **boundary criteria**: type • **pin**: 3D1301000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD50 • **type:** open peatland • **acres:** 3.2 • **boundary criteria**: type • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD51 • **type:** open peatland • **acres:** 6.1 • **boundary criteria**: type, pa • **pin**: 3D1021000010 • no known or probable anadromous fish

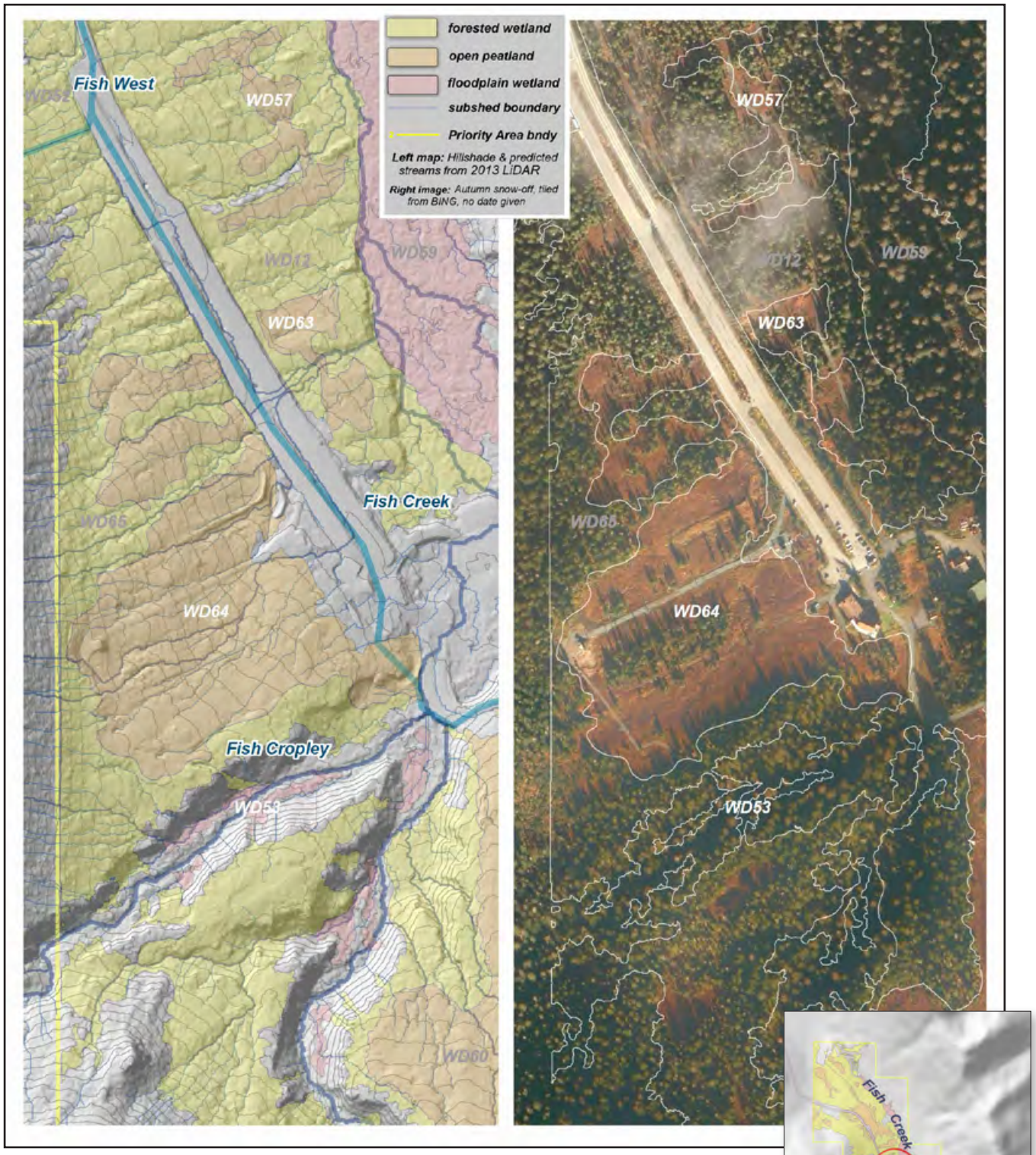
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

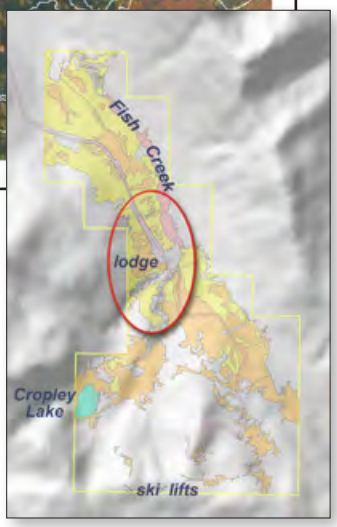
WD52 • **type:** forested peatland • **acres:** 92.5 • **boundary criteria**: w-u, pa, type, subsh • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD53 • **type:** floodplain wetland • **acres:** 1.9 • **boundary criteria**: w-u, type • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]





Unit maps for WD53 57 63 64

WD54 • **type:** open peatland • **acres:** 1.3 • **boundary criteria**: type • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD55 • **type:** open peatland • **acres:** 3.8 • **boundary criteria**: type • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD56 • **type:** open peatland • **acres:** 12.9 • **boundary criteria**: w-u, type subsh • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WD57 • **type:** open peatland • **acres:** 2.2 • **boundary criteria**: type • **pin**: 3D1021000010 • no known or probable anadromous fish

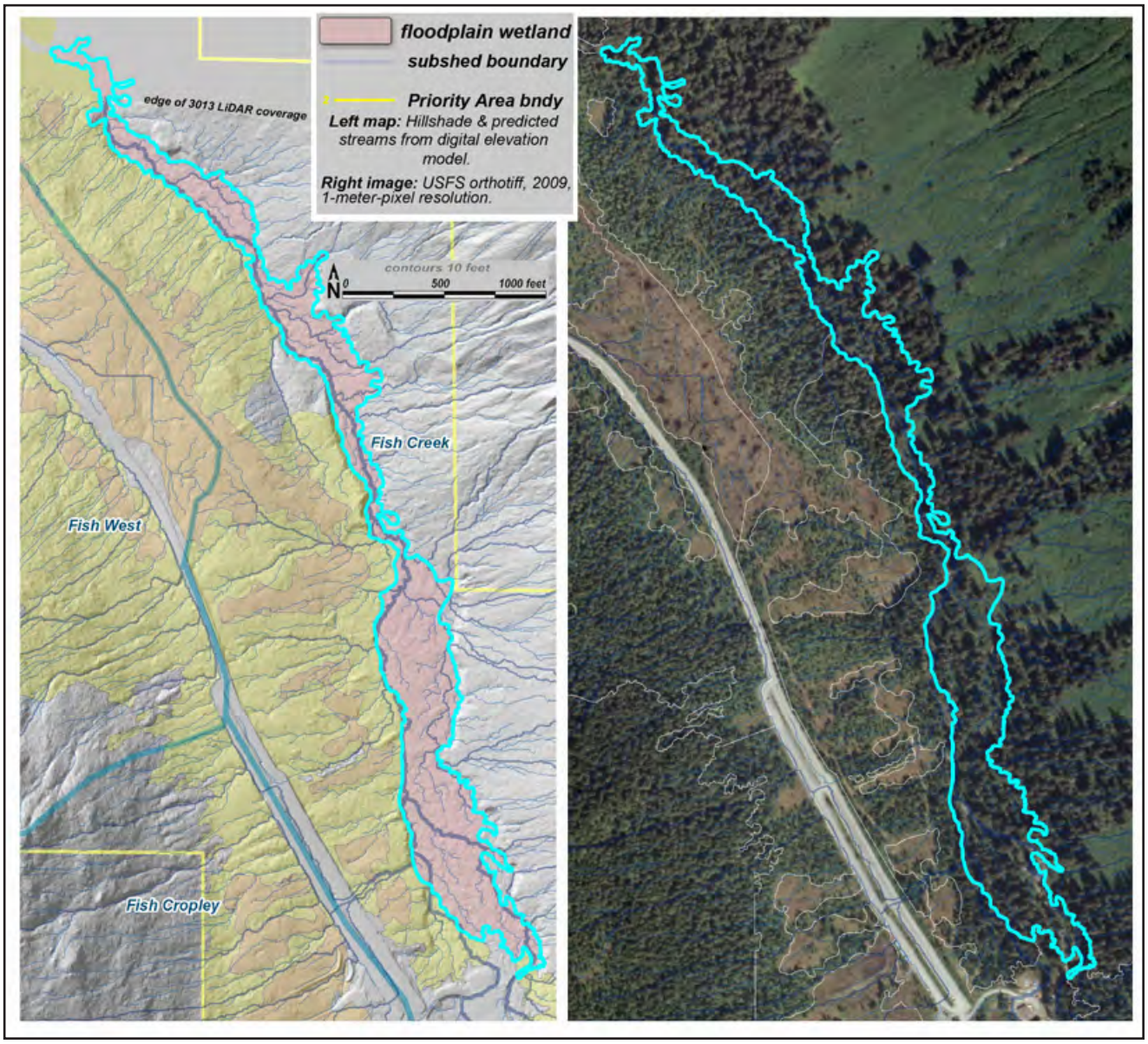
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WD58 • **type:** open peatland • **acres:** 1.3 • **boundary criteria**: type, pa • **pin**: 3D1021000010 • no known or probable anadromous fish

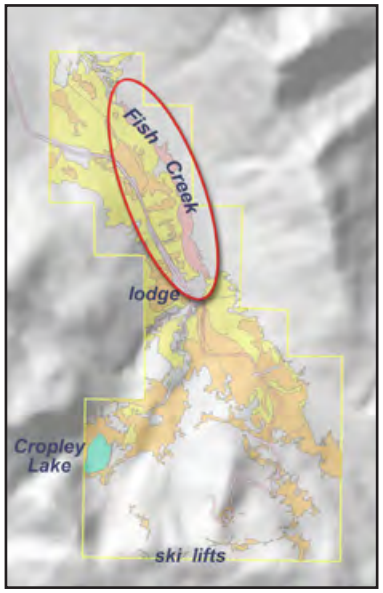
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	High	[illegible]	High
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	N/A	N/A
[illegible]	[illegible]	Moderate	[illegible]	[illegible]
[illegible]	[illegible]	Moderate	[illegible]	[illegible]
[illegible]	[illegible]	Moderate	[illegible]	[illegible]
[illegible]	[illegible]	Moderate	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	High
[illegible]	[illegible]	[illegible]	[illegible]	Moderate
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	High
[illegible]	N/A	N/A	[illegible]	Moderate
[illegible]	N/A	N/A	[illegible]	Moderate
[illegible]	N/A	N/A	[illegible]	[illegible]

WD59 • **type:** floodplain wetland • **acres:** 24.5 • **boundary criteria**: w-u, type • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] M[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

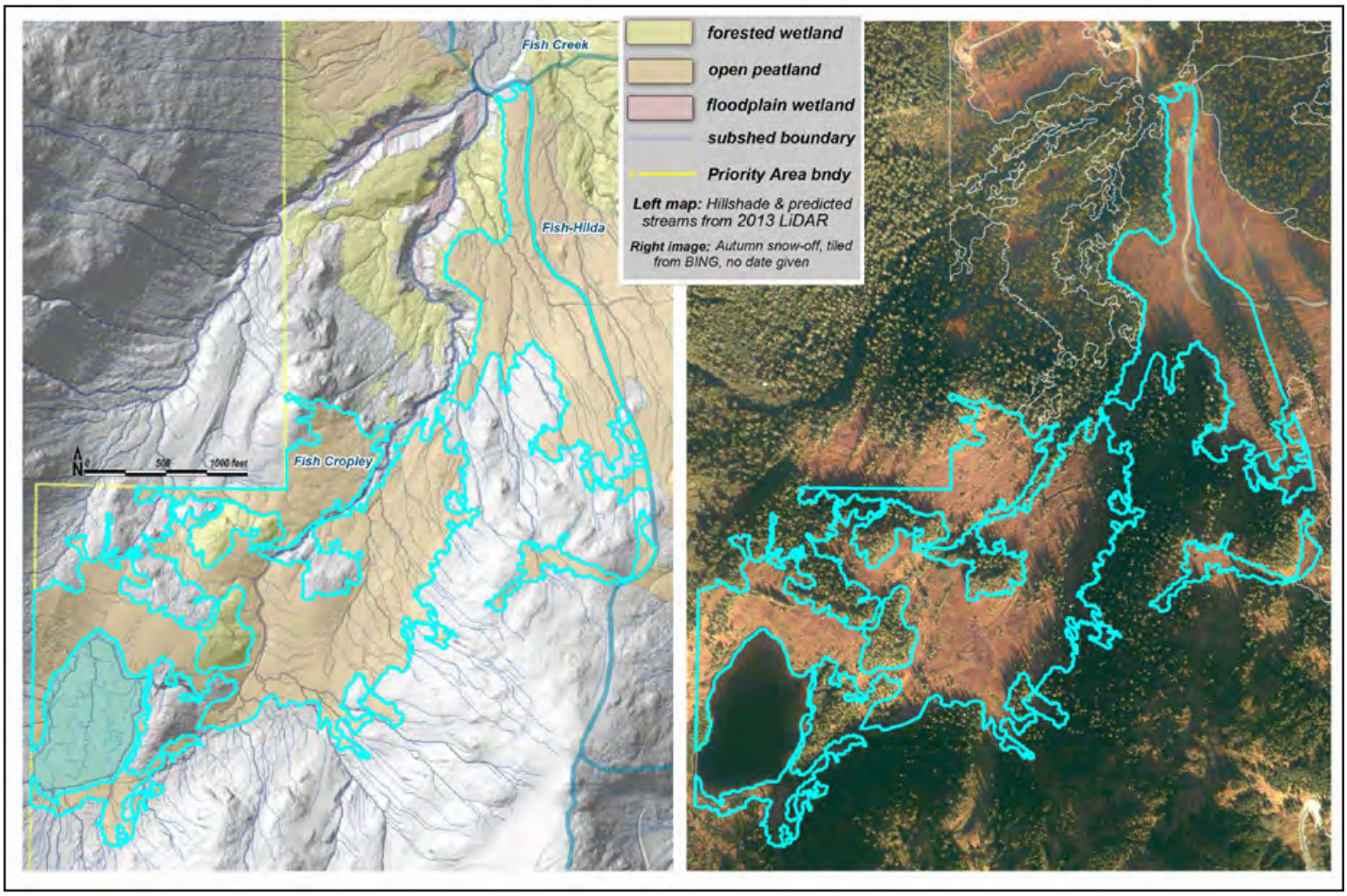


Unit map for WD59

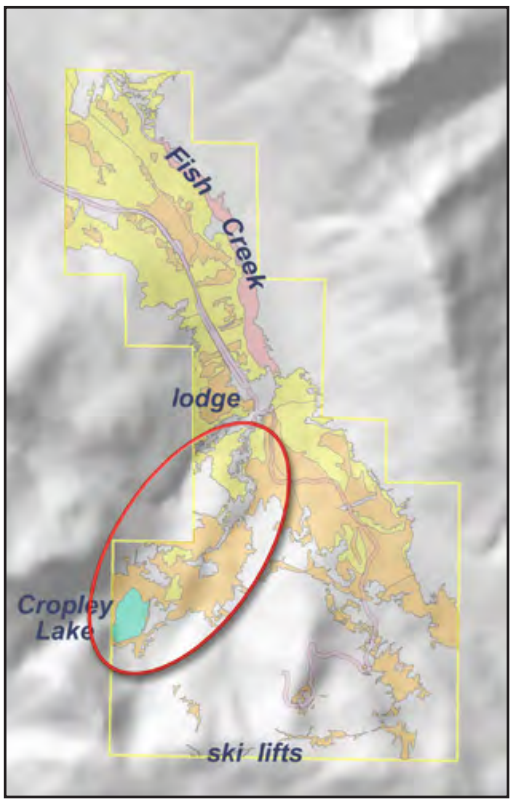


WD60 • **type:** open peatland • **acres:** 88.8 • **boundary criteria**: w-u, pa, type, subsh • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	H[illegible]	[illegible]	[illegible]
[illegible] N[illegible] E[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible] M[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible] C[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] N[illegible] H[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible] E[illegible] C[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

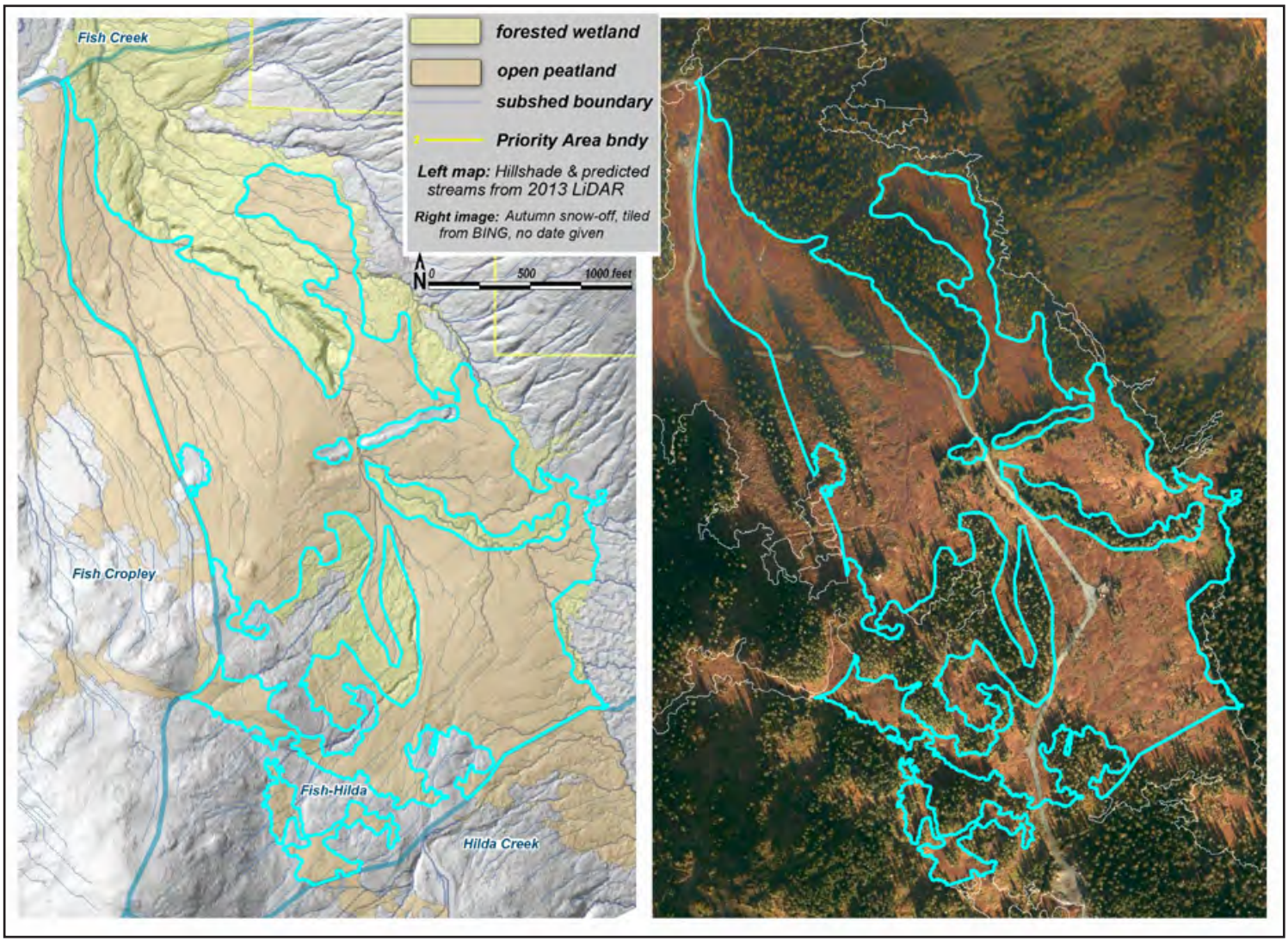


Unit map for WD60

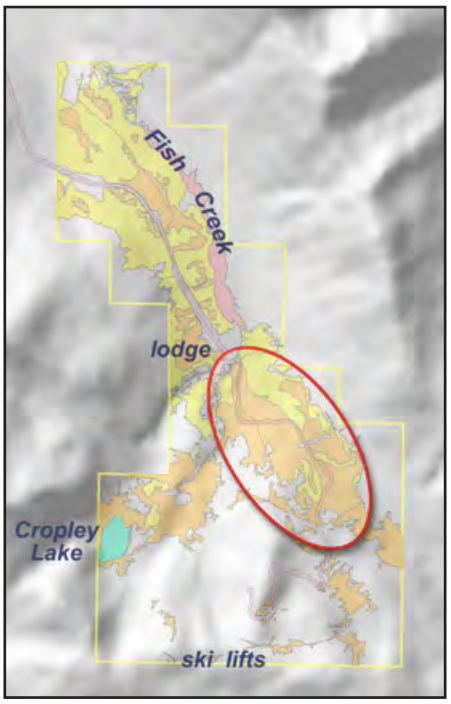


WD61 • **type:** open peatland • **acres:** 86.5 • **boundary criteria**: w-u, type, subsh • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

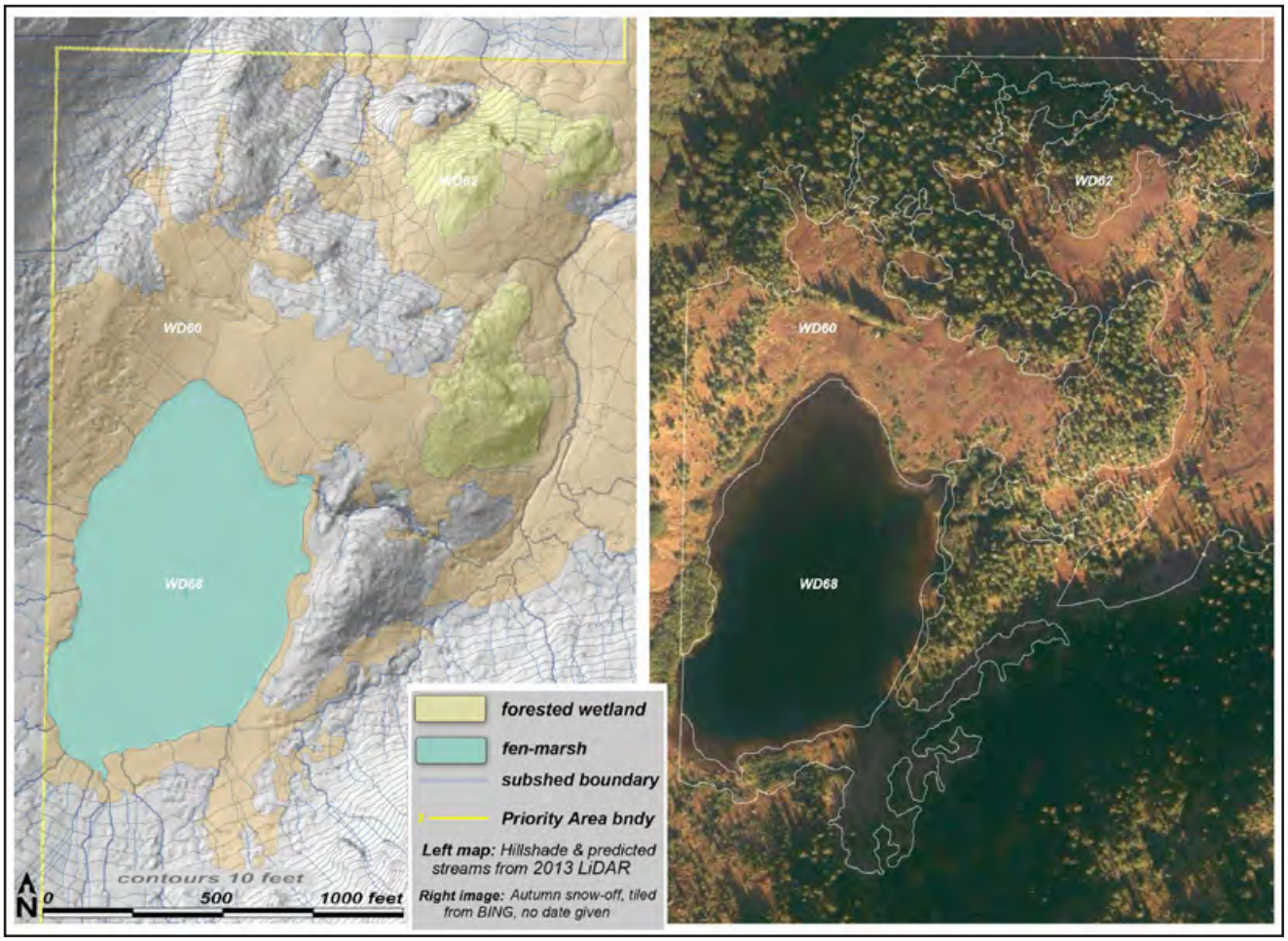


Unit map for WD61

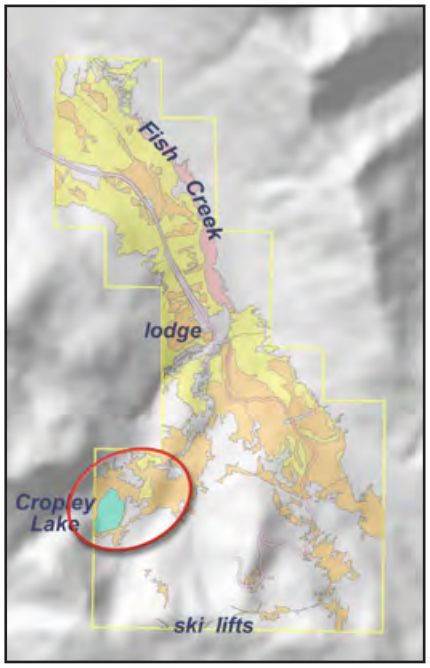


WD62 • **type:** forested peatland • **acres:** 5.4 • **boundary criteria**: type • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit maps for WD62 68



WD63 • **type:** open peatland • **acres:** 1.6 • **boundary criteria**: type • **pin**: 3D1021000010 • no known or probable anadromous fish

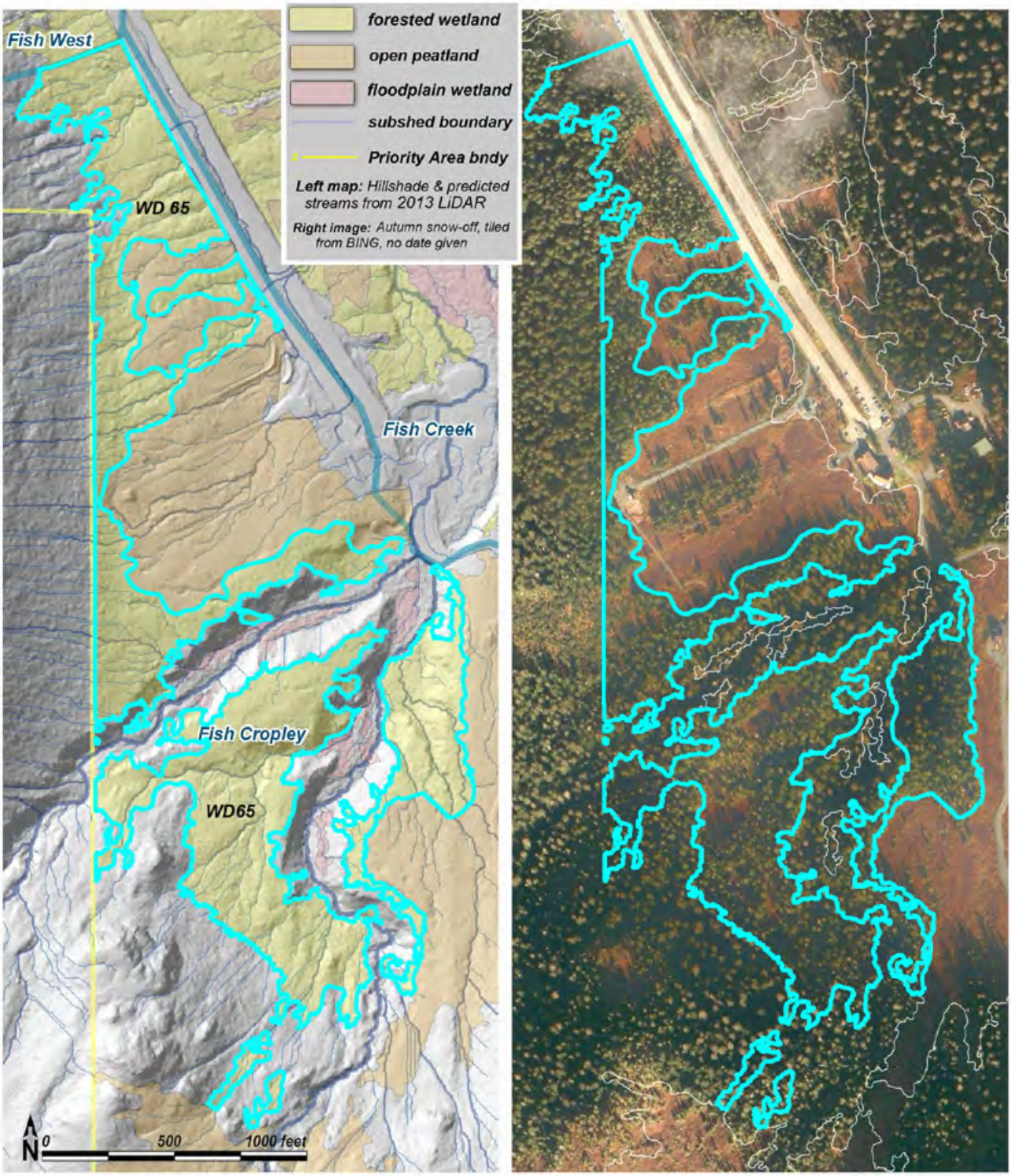
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WD64 • **type:** open peatland • **acres:** 16.7 • **boundary criteria**: type • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

WD65 • **type:** for. peatland • **acres:** 36.4 • **boundary criteria**: w-u, pa, type, subsh • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]



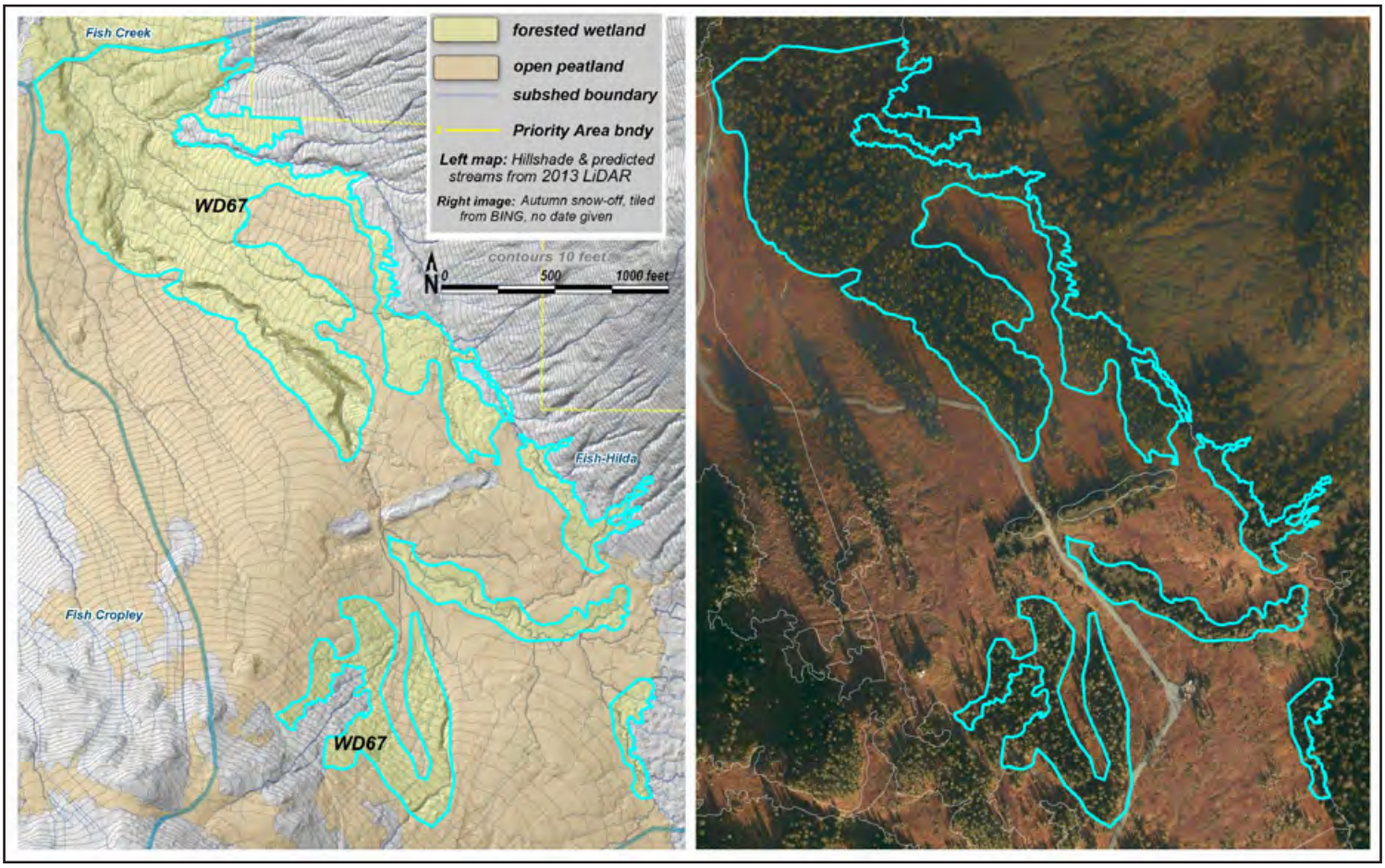
Unit map for WD65

WD66 • **type:** open peatland • **acres:** 19.8 • **boundary criteria**: w-u, pa, subsh • **pin**: 3D1021000010 • no known or probable anadromous fish

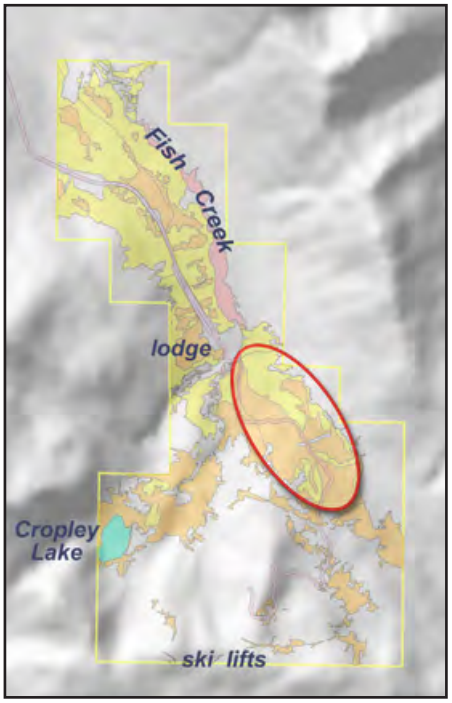
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	High	[illegible]	High
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	[illegible]	Moderate
[illegible]	[illegible]	High	[illegible]	[illegible]
[illegible]	[illegible]	High	N/A	N/A
[illegible]	[illegible]	High	N/A	N/A
[illegible]	[illegible]	Moderate	[illegible]	Moderate
[illegible]	[illegible]	Moderate	[illegible]	Moderate
[illegible]	[illegible]	Moderate	[illegible]	[illegible]
[illegible]	[illegible]	Moderate	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	Moderate
[illegible]	[illegible]	[illegible]	[illegible]	Moderate
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	N/A	N/A	High
[illegible]	[illegible]	N/A	N/A	Moderate
[illegible]	[illegible]	N/A	N/A	Moderate
[illegible]	[illegible]	N/A	N/A	Moderate

WD67 • **type:** for. peatland • **acres:** 41.1 • **boundary criteria**: w-u, pa, type, subsh • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit map for WD67

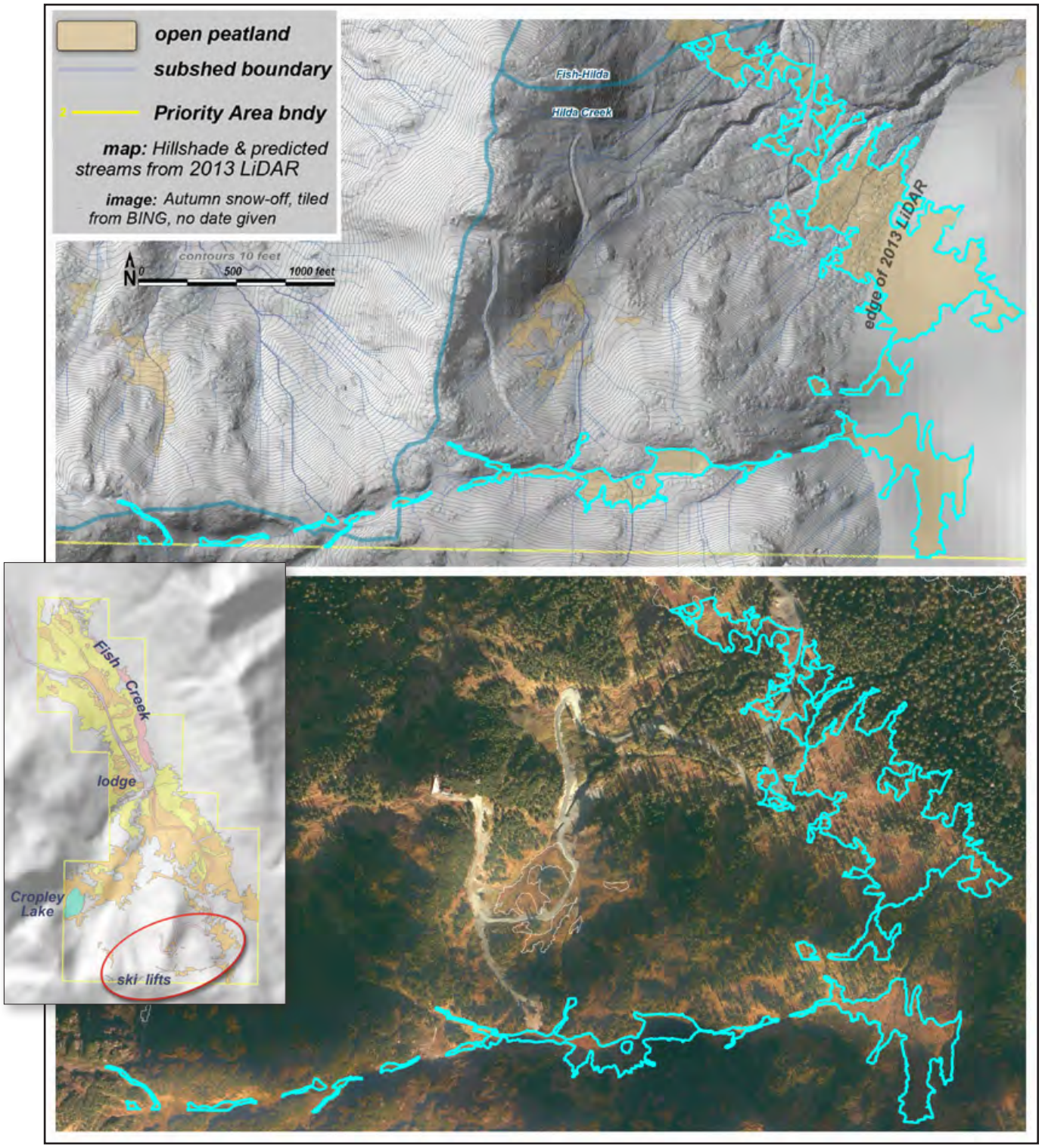


WD68 • **type:** fen/marsh • **acres:** 11.5 • **boundary criteria**: type • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

WD69 • **type:** open peatland • **acres:** 23.5 • **boundary criteria**: w-u, subsh • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
N[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]



Unit map for WD69

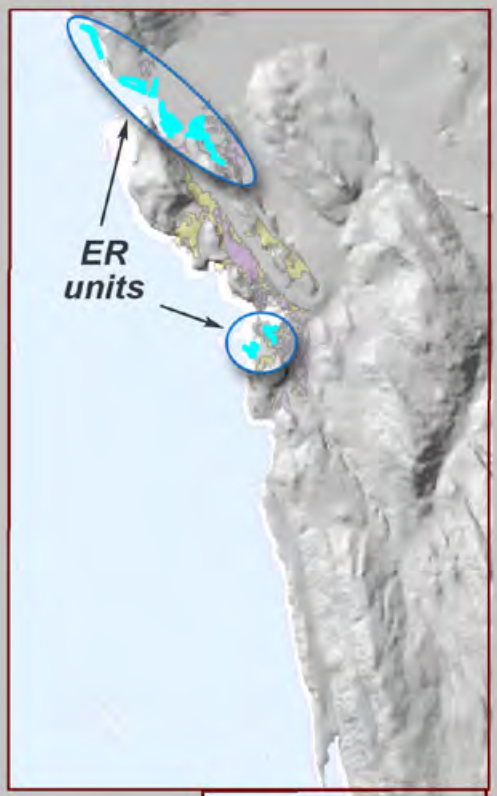
WD70 • **type:** open peatland • **acres:** 1.8 • **boundary criteria**: w-u • **pin**: 3D1021000010 • no known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	H[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	M[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	M[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
A[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]

3.0 SCORES BY AA: TIDAL WETLANDS

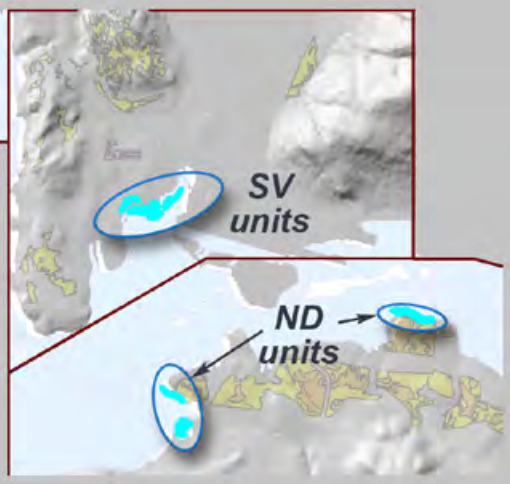
We assessed 13 tidal wetland AAs on 3 map pages: Eagle River (ER), South Valley (SV) and North Douglas (ND). They totalled 58 acres.

The following descriptions of tidal wetlands follow the same format as those for non-tidal wetlands. Similarly, in each AA's score table, *the functions or other attributes are listed from highest-to-lowest function score*. A high Value score indicates that, because of reasons such as where the AA is located, the function is likely to be valued more highly if it is performed currently or in the future.



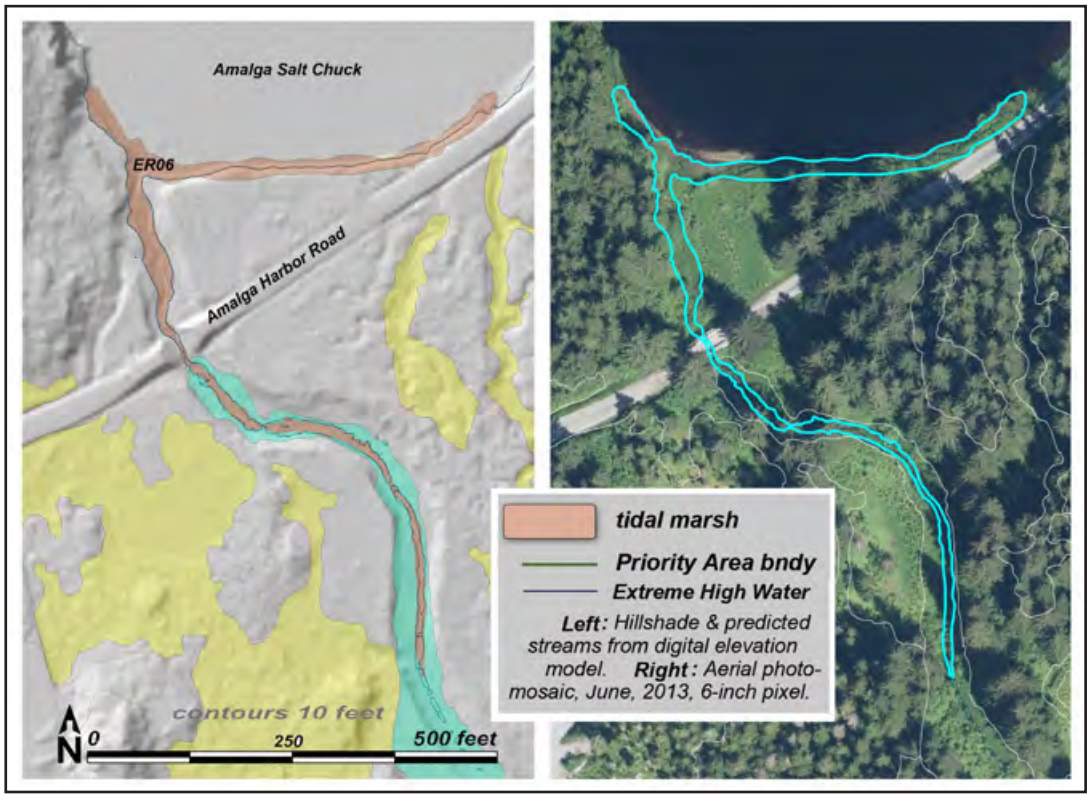
For tidal wetlands, WESPAK-SE generates scores for fewer functions (7) than it does for non-tidal wetlands (18). That does not mean that tidal wetlands are less valuable. For some functions (Phosphorus Retention, Nitrate Removal, Water Cooling, Water Warming, Resident Fish Habitat, Aquatic Invertebrate Habitat, Pollinator Habitat) it means only that scientific knowledge was considered insufficient to construct models capable of differentiating among distinct tidal wetland AAs. Some other functions—specifically Water Storage, Stream Flow Support, Amphibian Habitat, and Waterbird Nesting Habitat—are not scored by WESPAK-SE because tidal wetlands as a whole do not significantly support those functions (however, upper margins of tidal wetlands that are tidally flooded less than about once monthly may support those to some degree). Consistent with the non-tidal component of WESPAK-SE, no value scores are assigned to Carbon Sequestration or Organic Nutrient Export because their benefits are expressed globally or at a broad scale.

The scores that WESPAK-SE generates for tidal wetlands cannot fairly be compared with those from the ones it generates for non-tidal wetlands because WESPAK-SE uses different indicators and models, and scores have been normalized across many fewer AAs (13 instead of 333). Any comparisons between tidal and non-tidal wetlands must take into consideration the fact that for several functions—Waterbird Feeding Habitat, Anadromous Fish Habitat, and perhaps Carbon Sequestration and Sediment Retention—most tidal wetlands likely perform at a level that is orders of magnitude greater than performed by most non-tidal wetlands in Southeast Alaska.



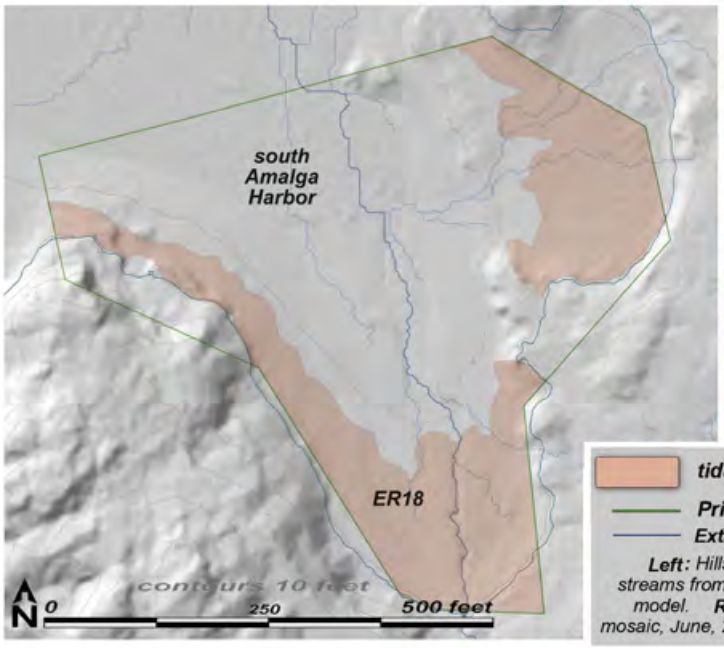
ER06 • **type:** tidal • **acres:** 0.5 • **boundary criteria**: w-u, type • **pin**: 3B4001000060 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]dr[illegible] [illegible] [illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible] [illegible]H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	H[illegible]r
[illegible]d[illegible] [illegible] [illegible] [illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]rd[illegible] [illegible]r[illegible] M[illegible] [illegible]H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
[illegible]r[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
C[illegible]r[illegible] [illegible]r[illegible]	[illegible]	[illegible]r	N/A	N/A
[illegible]r[illegible]N[illegible]r[illegible]E[illegible]r[illegible]	[illegible]	[illegible]r	N/A	N/A
[illegible] [illegible] [illegible]	N/A	N/A	[illegible]	H[illegible]r
[illegible]d [illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]r[illegible]r[illegible]	N/A	N/A	[illegible]	[illegible]r



ER18 • **type:** tidal • **acres:** 0.7 • **boundary criteria**: w-u, pa • **pin**: 3B4001040050 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
C[illegible]	[illegible]	H[illegible]	N/A	N/A
[illegible]	[illegible]	H[illegible]	N/A	N/A
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
N[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]

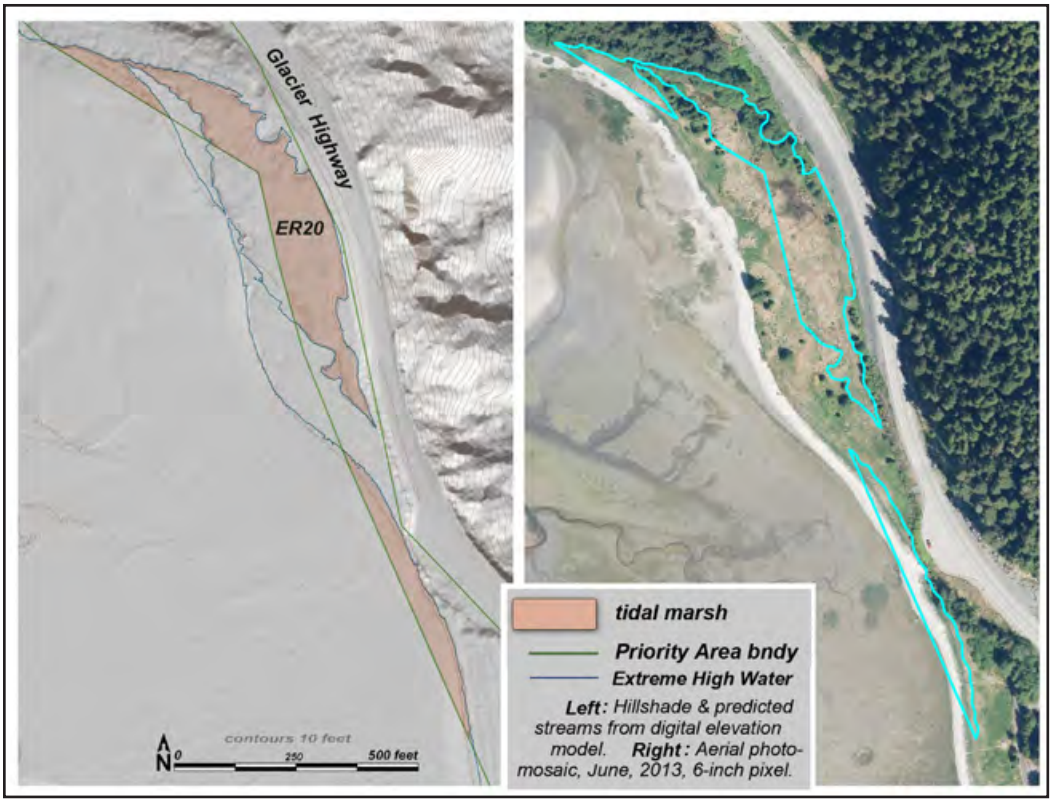


tidal marsh
Priority Area bndy
Extreme High Water

Left: *Hillshade & predicted streams from digital elevation model.* ***Right:*** *Aerial photo-mosaic, June, 2013, 6-inch pixel.*

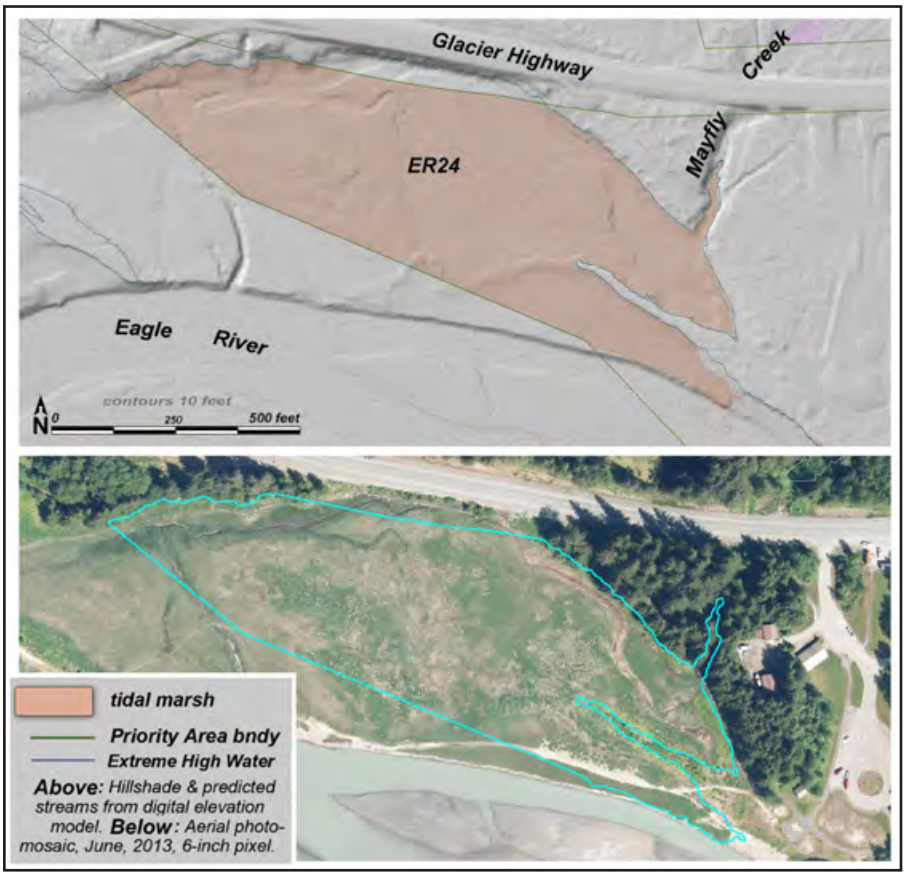
ER20 • **type:** tidal • **acres:** 2.9 • **boundary criteria**: w-u, pa • **pin**: 3B4404000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]dr[illegible] [illegible] [illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]d[illegible] [illegible] [illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]rd[illegible] [illegible]r[illegible] M[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
C[illegible]r[illegible] [illegible]r[illegible]	[illegible]	H[illegible]r	N/A	N/A
[illegible]r[illegible]N[illegible]r[illegible]E[illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N/A	N/A
[illegible]r[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible]d [illegible]	N/A	N/A	[illegible]	H[illegible]r
[illegible] [illegible] [illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]r[illegible]r[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]



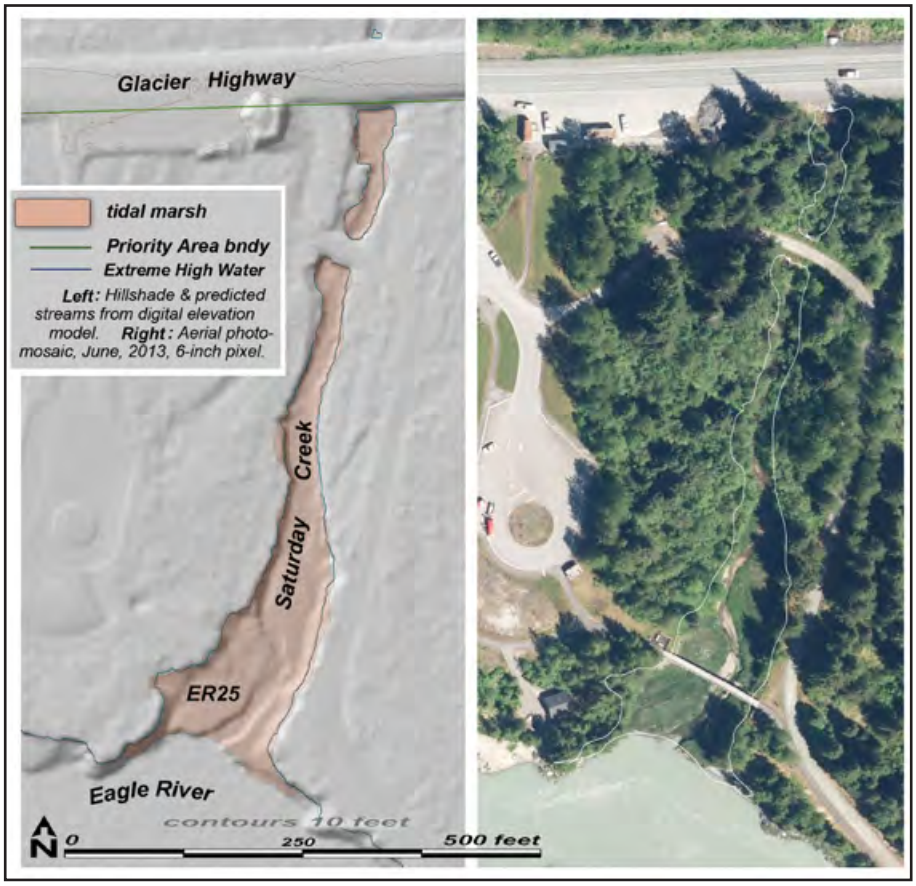
ER24 • **type:** tidal • **acres:** 8.6 • **boundary criteria**: w-u, pa • **pin**: 3B4404000010 • known or probable anadromous fish

□□□□□□□□□ □r □ □□□r A□□r□□□□	□□□□□□□□□ □□□r□	□□□□□□□□□ □□□□□□	□□□□□ □□□r□	□□□□□ □□□□□
A□□dr□□ □□□ □□□□ H□□□□□□	□□□□□	H□□□□r	□□□□□	H□□□□r
N□□□□ □□□□□H□□□□□	□□□□	H□□□□r	□□□□□	H□□□□r
□□d□□ □□□□ □□□□□□□□ □ □□□□□□□□□□□□	□□□□□	H□□□□r	□□□□	H□□□□r
□□□□□□rd□□ □□□□r□□ M□□ □ □□H□□□□□	□□□□	H□□□□r	□□□□	□□□□r
□r□□□□□N□□r□□□□E□□□r□	□□□□	H□□□□r	N□A□	N□A□
C□r□□□ □□□□□□□r□□□□□	□□□□	M□d□r□□□	N□A□	N□A□
□ □□□r□□rd □□□d□□□ H□□□□□□	□□□□	□□□□r	□□□□	□□□□r
□□□□□□ □□□ □ □□□□□□□□□□	N□A□	N□A□	□□□□	H□□□□r
□ □□□□□d □□r□□□□r□	N□A□	N□A□	□□□□	H□□□□r
□ □□□□□d □□□□□□□□□□	N□A□	N□A□	□□□□	M□d□r□□□



ER25 • **type:** tidal • **acres:** 1.1 • **boundary criteria**: w-u, pa • **pin**: 3B4404000010 • known or probable anadromous fish

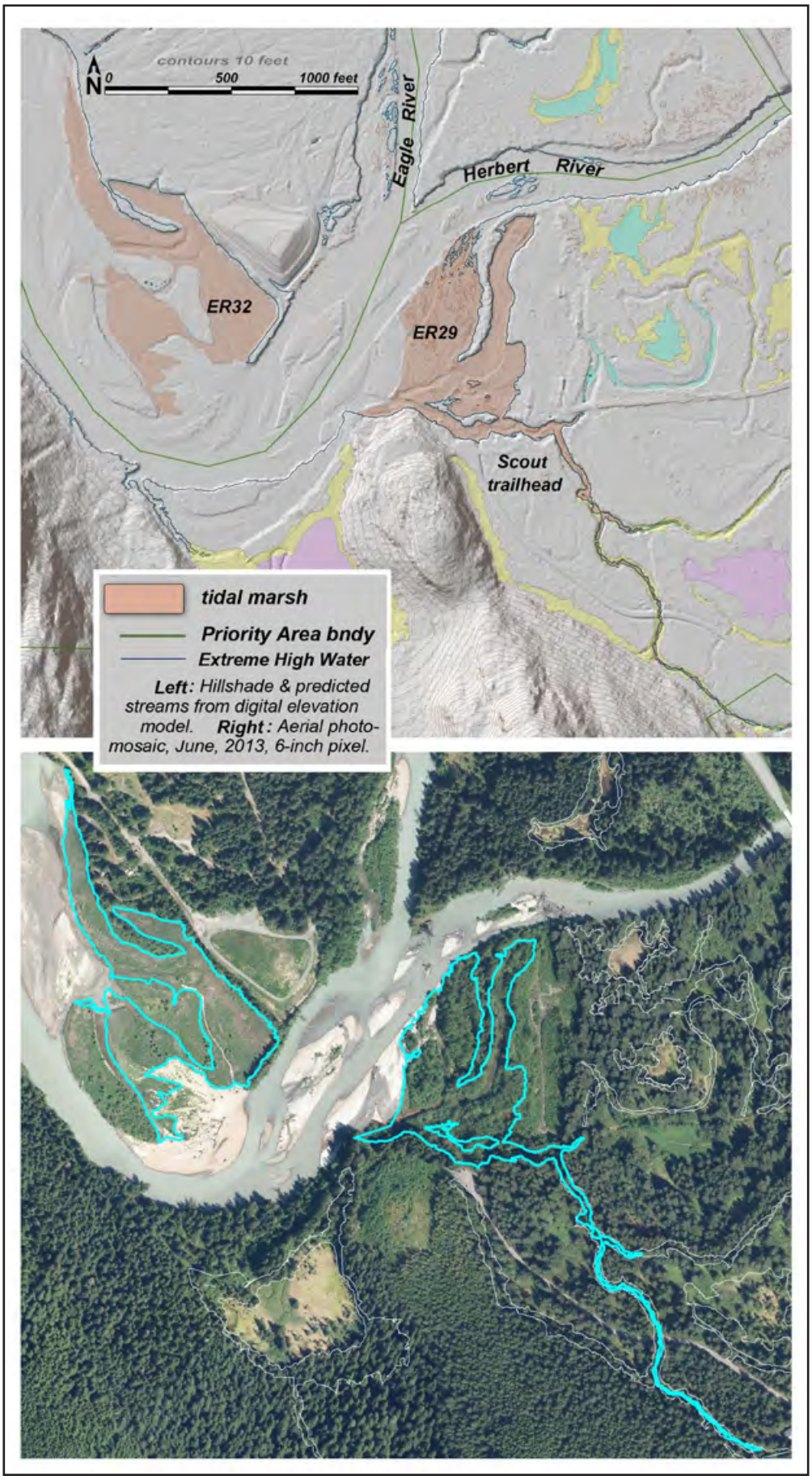
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]dr[illegible] [illegible] [illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
N[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	H[illegible]r
[illegible]d[illegible] [illegible] [illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]r[illegible]N[illegible]r[illegible]E[illegible]r[illegible]	[illegible]	H[illegible]r	N[illegible]A[illegible]	N[illegible]A[illegible]
[illegible]rd[illegible] [illegible]r[illegible] M[illegible] [illegible]H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
C[illegible]r[illegible] [illegible]r[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	N[illegible]A[illegible]	N[illegible]A[illegible]
[illegible]r[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	[illegible]r	[illegible]	[illegible]r
[illegible] [illegible] [illegible] [illegible]	N[illegible]A[illegible]	N[illegible]A[illegible]	[illegible]	H[illegible]r
[illegible]d [illegible]r[illegible]r[illegible]	N[illegible]A[illegible]	N[illegible]A[illegible]	[illegible]	H[illegible]r
[illegible]d [illegible]	N[illegible]A[illegible]	N[illegible]A[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]



ER29 • **type:** tidal • **acres:** 9.6 • **boundary criteria**: w-u • **pin**: 3B4404000010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
A[illegible]dr[illegible] [illegible] [illegible] H[illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d[illegible] [illegible] [illegible] [illegible]	[illegible]	H[illegible]r	[illegible]	M[illegible]d[illegible]r[illegible]
N[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible]rd[illegible] [illegible]r[illegible] M[illegible] [illegible]H[illegible]	[illegible]	H[illegible]r	[illegible]	[illegible]r
[illegible]r[illegible]rd [illegible]d[illegible] H[illegible]	[illegible]	M[illegible]d[illegible]r[illegible]	[illegible]	[illegible]r
C[illegible]r[illegible] [illegible]r[illegible]	[illegible]	[illegible]r	N/A	N/A
[illegible]r[illegible]N[illegible]r[illegible]E[illegible]r[illegible]	[illegible]	[illegible]r	N/A	N/A
[illegible] [illegible] [illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]r[illegible]r[illegible]	N/A	N/A	[illegible]	M[illegible]d[illegible]r[illegible]
[illegible]d [illegible]	N/A	N/A	[illegible]	[illegible]r

Unit maps for ER29 & ER



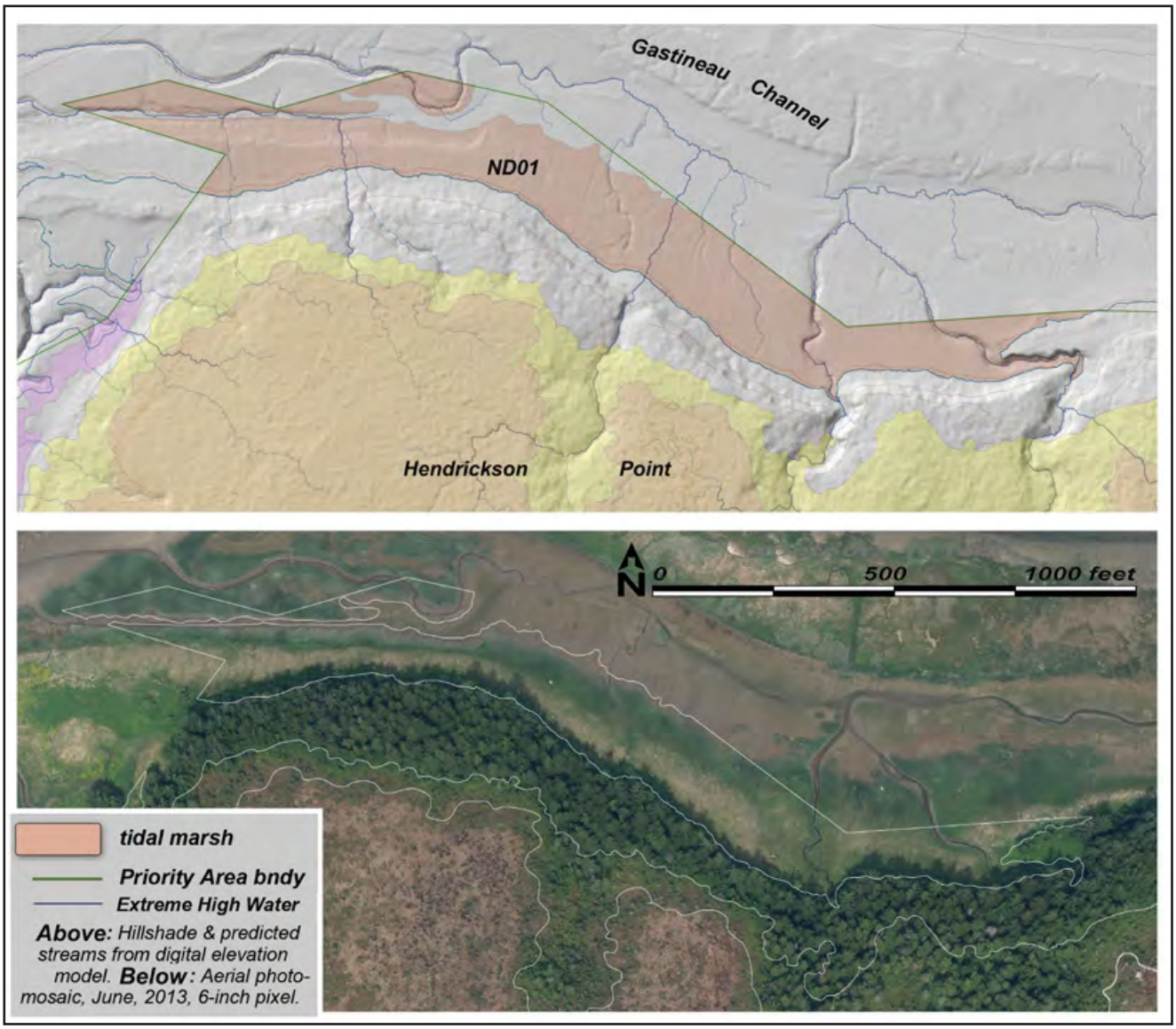
ER32 • **type:** tidal • **acres:** 9.2 • **boundary criteria**: w-u • **pin**: 3B4404000010 • known or probable anadromous fish

will correct in table

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ND01 • **type:** tidal • **acres:** 6.6 • **boundary criteria**: w-u, pa • **pin**: 6D1001040010 • known or probable anadromous fish

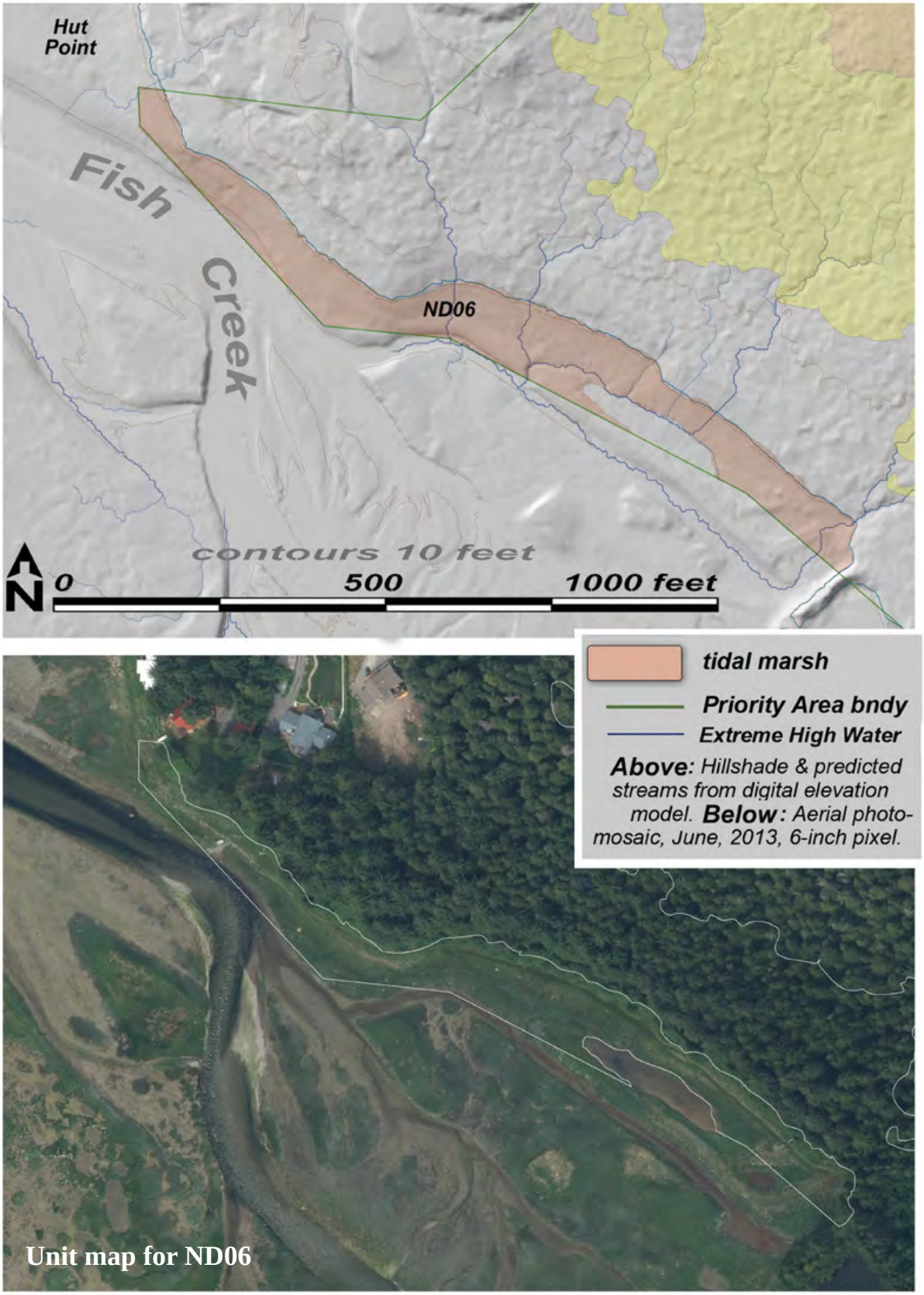
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit map for ND01

ND06 • **type:** tidal • **acres:** 2.2 • **boundary criteria**: w-u, pa • **pin**: 6D1201050010 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



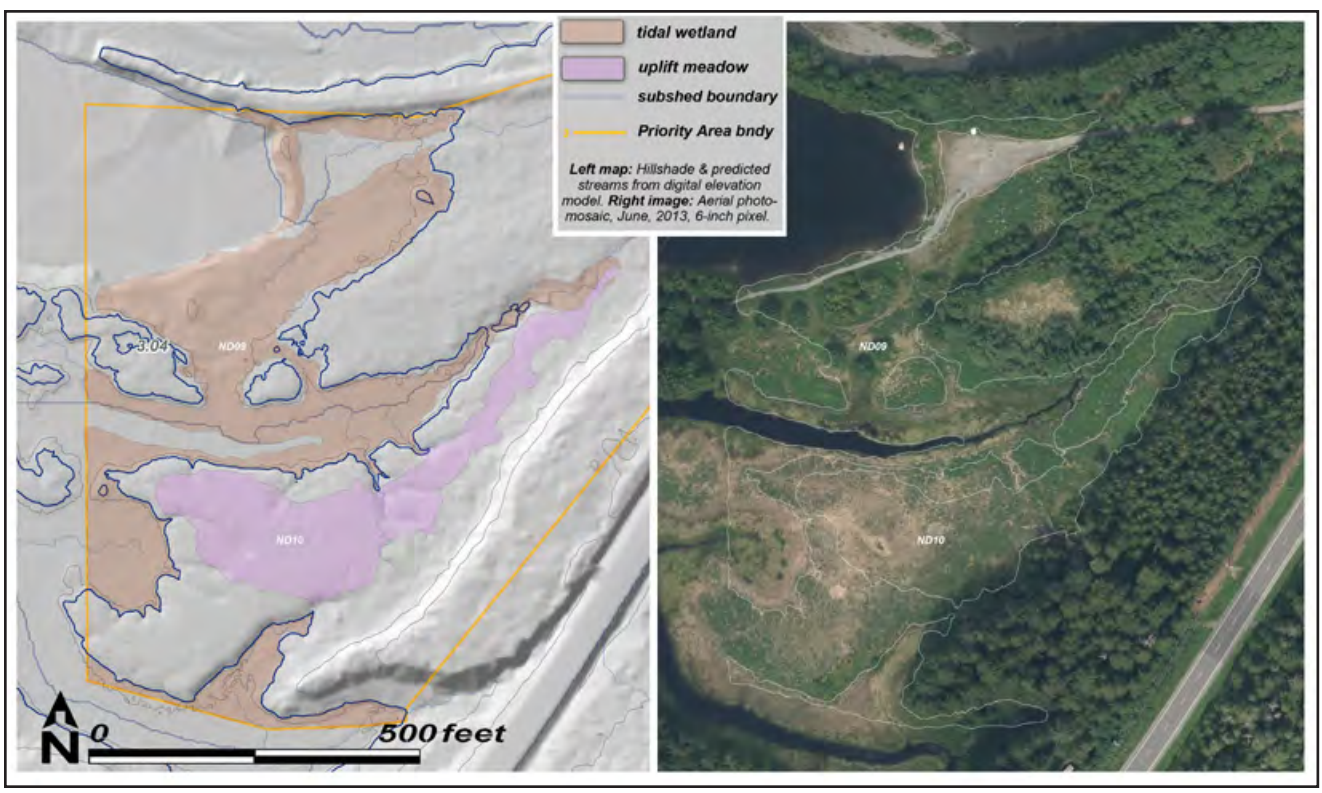
Unit map for ND06

ND09 • **type:** tidal • **acres:** 2.9 • **boundary criteria**: w-u, pa • **pin**: 6D1201070010 • known or probable anadromous fish

will correct in tabel

□□□□□□□□ □r □ □□□r A□r□□□□	□□□□□□□□ □□□r□	□□□□□□□□ □□□□□	□□□□□ □□□r□	□□□□□ □□□□□
□□□□□rd□□ □□□□r□□ M□□ □ □□H□□□□□	□□□□	H□□□□r	□□□□□	H□□□□r
□ □□□r□rd □□□d□□□ H□□□□□□	□□□□	H□□□□r	□□□□□	H□□□□r
N□□□□□ □□□□□H□□□□□	□□□□	H□□□□r	□□□□	□□□ □r
□□d□□ □□□□ □□□□□□□ □ □□□□□□□□□□□	□□□□	□□□ □r	□□□□	M□d□r□□□
A□□dr□□ □□□ □□□□ H□□□□□□	□□□□	□□□ □r	□□□□	□□□ □r
C□r□□□ □□□□□□□r□□□□	□□□□	□□□ □r	N□A□	N□A□
□r□□□□□N□□r□□□E□□□r□	□□□□	□□□ □r	N□A□	N□A□
□□□□□ □□□ □ □□□□□□□□□□	N□A□	N□A□	□□□□	M□d□r□□□
□ □□□□d □□□□□□□□□	N□A□	N□A□	□□□□	M□d□r□□□
□ □□□□d □□r□□□□r□	N□A□	N□A□	□□□□	M□d□r□□□

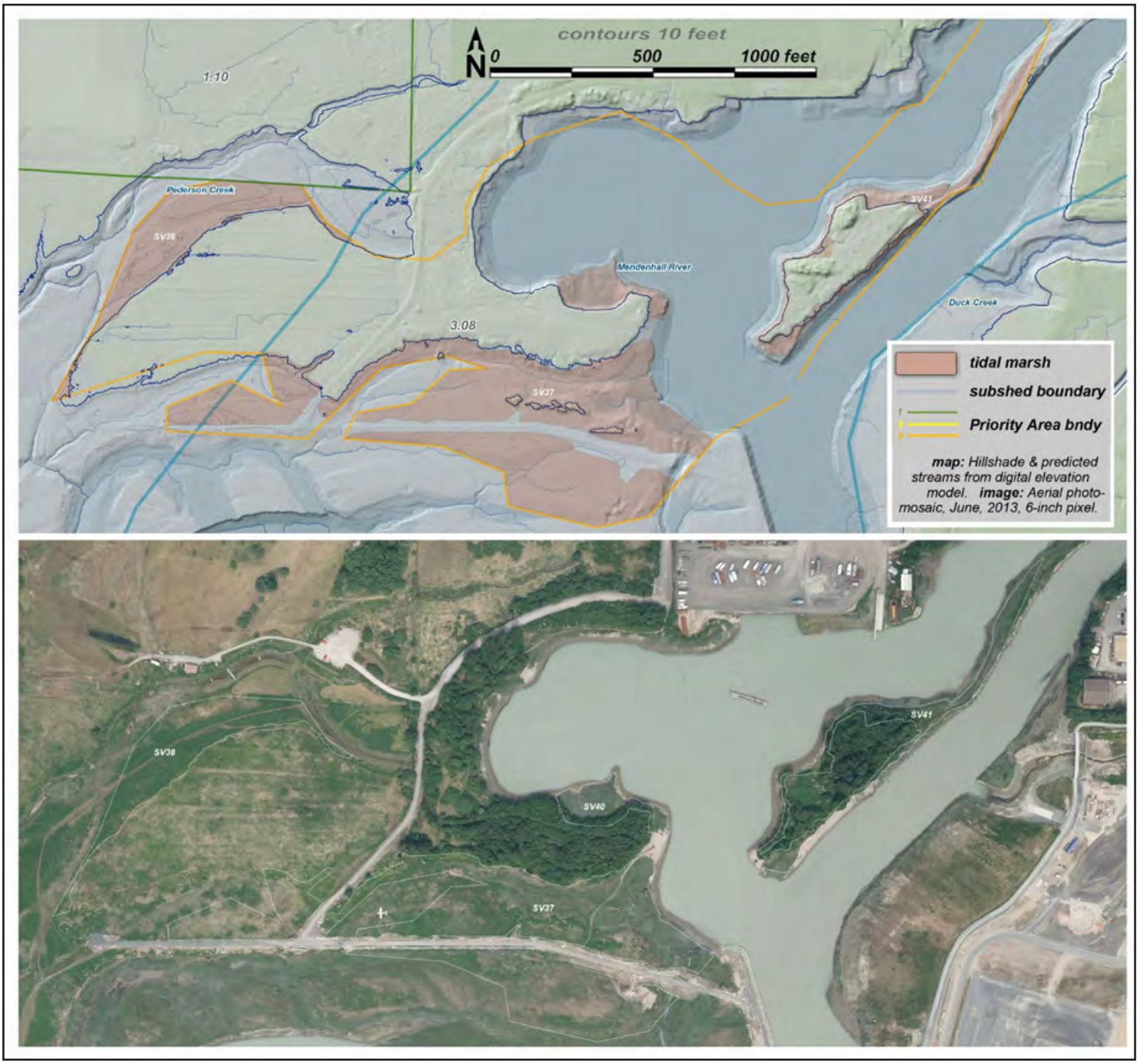
Unit map for ND09



SV37 • **type:** tidal • **acres:** 8.83 • **boundary criteria**: w-u, pa • **pin**: 4B1701160040 • known or probable anadromous fish

will be corrected in table

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



Unit maps for SV37 38 41

SV38 • **type:** tidal • **acres:** 2.33 • **boundary criteria**: w-u, pa • **pin**: 4B1701160040 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
N[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	H[illegible]	[illegible]	H[illegible]
A[illegible]	[illegible]	M[illegible]	[illegible]	M[illegible]
C[illegible]	[illegible]	M[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	H[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	N/A	N/A
[illegible]	N/A	N/A	[illegible]	H[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]
[illegible]	N/A	N/A	[illegible]	M[illegible]

SV41 • **type:** tidal • **acres:** 1.4 • **boundary criteria**: w-u, pa • **pin**: 4B1701160040 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

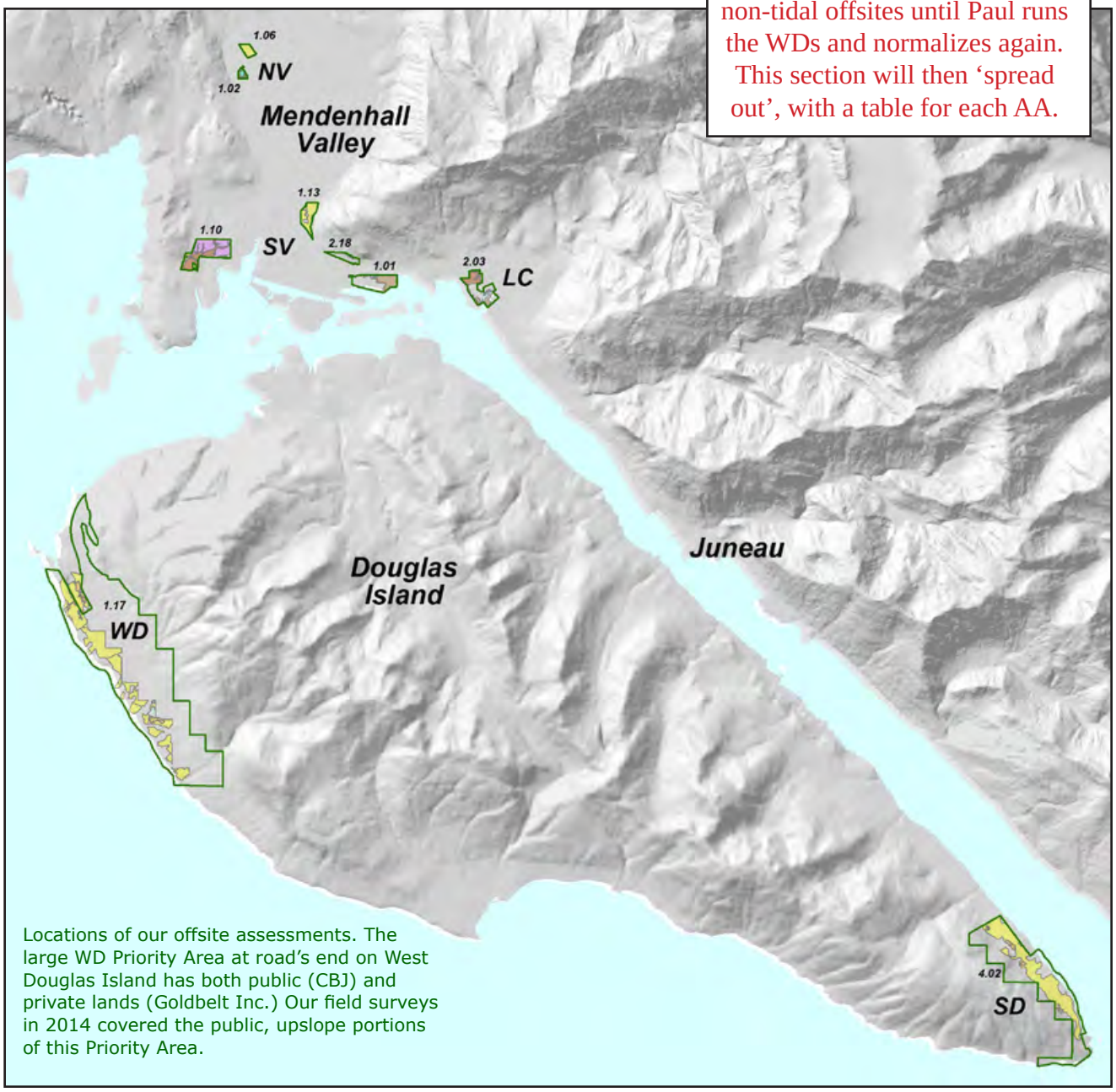
4.0 SCORES BY AA: OFF-SITE MAPPING

In 2015, after conclusion of JWMPU field work, we assessed 48 wetland units 'site-unseen' through GIS. Methods are described in Volume 1, Section 2.3.4. Most of these Assessment Areas (AAs) are on private lands, with the exception of CBJ land on the south-eastern tip of Douglas Island.

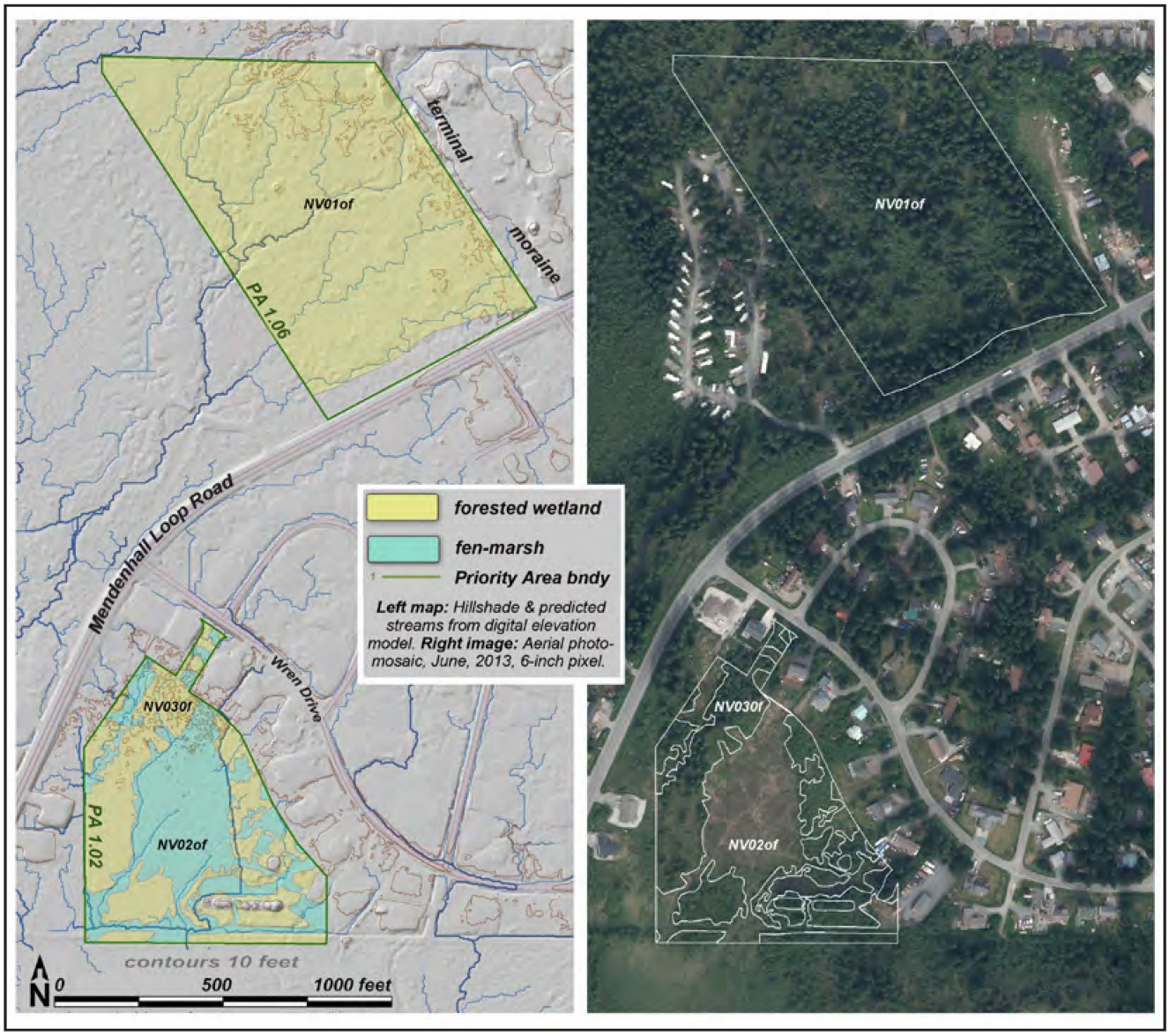
The overview map below shows that the off-site Priority Areas are clustered in Mendenhall and Lemon Creek Valleys, along with 2 outlying larger PAs on the distal ends of Douglas Island. Completing the seaward, private portions of the West Douglas (WD) Priority Area 1.17—where we had already spent several weeks exploring public lands—allowed us to paint a fuller picture of the extent of wetlands in this unit.

In the previous Sections 2 and 3, results for non-tidal and tidal wetlands are segregated. Here, we intermingle them, in part because the unit maps often span both wetland types.

To reviewers:
Scores aren't finished for the non-tidal offsites until Paul runs the WDs and normalizes again. This section will then 'spread out', with a table for each AA.



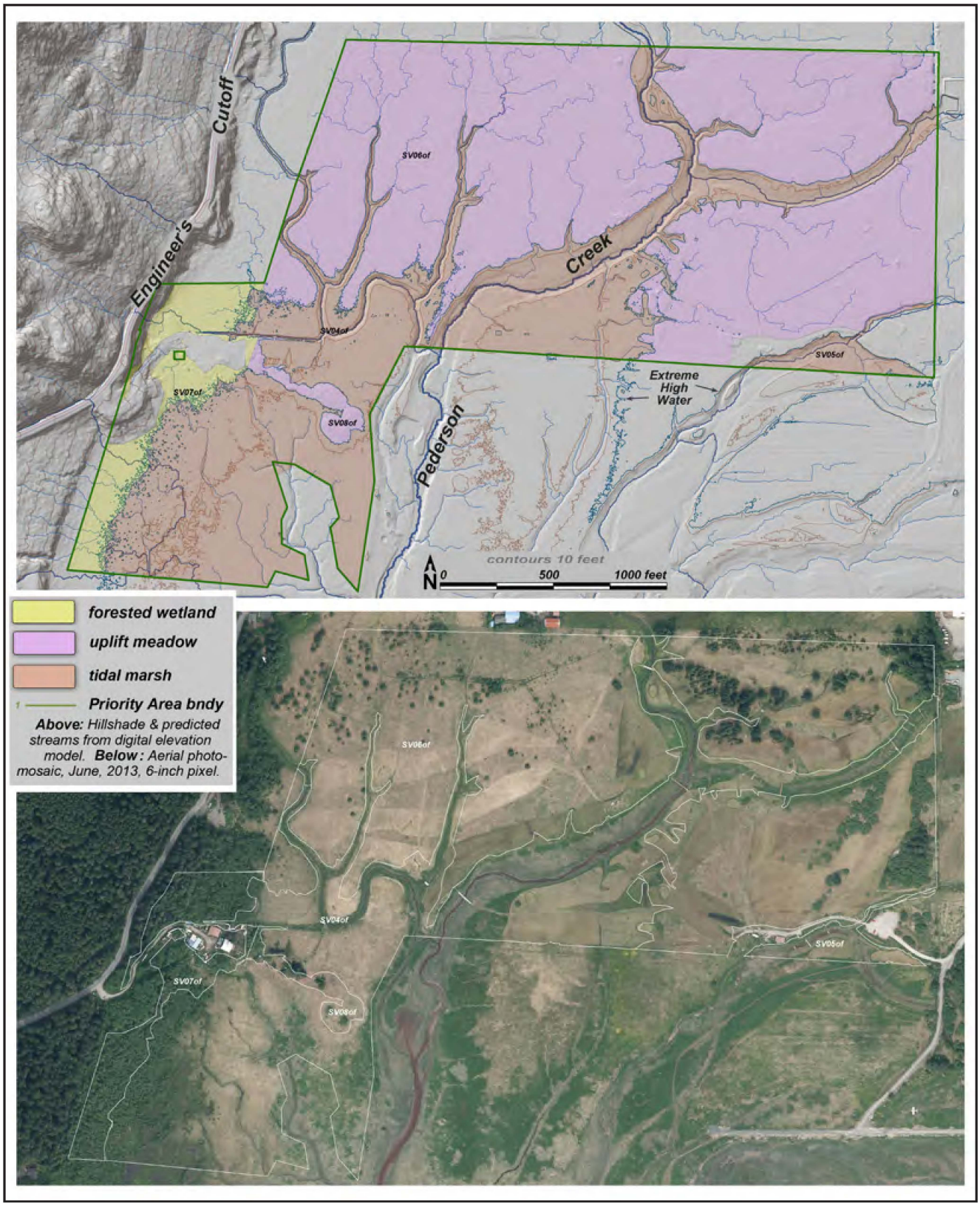
Locations of our offsite assessments. The large WD Priority Area at road's end on West Douglas Island has both public (CBJ) and private lands (Goldbelt Inc.) Our field surveys in 2014 covered the public, upslope portions of this Priority Area.


terminal
moraine
NV01of
PA 1.06
Mendenhall Loop Road
Wren Drive
NV030f
NV02of
PA 1.02
forested wetland
fen-marsh
Priority Area bndy
Left map: Hillshade & predicted streams from digital elevation model. Right image: Aerial photo-mosaic, June, 2013, 6-inch pixel.
contours 10 feet
N
0
500
1000 feet
NV01of
NV030f
NV02of

NV01of • **type:** forested peatland • **acres:** 16.74 • **boundary criteria**: w-u, pa • **pin**: 4B2901020020 • known or probable anadromous fish

NV02of • **type:** fen/marsh • **acres:** 5.23 • **boundary criteria**: w-u, type, pa • **pin**: 4B2601200040 • known or probable anadromous fish

NV03of • **type:** forested peatland • **acres:** 5.04 • **boundary criteria**: w-u, type, pa • **pin**: 4B2601200040 • known or probable anadromous fish


Engineer's Cutoff
Pederson Creek
SV06of
SV04of
SV05of
SV07of
SV08of
Extreme High Water
contours 10 feet
N
0
500
1000 feet
forested wetland
uplift meadow
tidal marsh
Priority Area bndy
Above: Hillshade & predicted streams from digital elevation model. Below: Aerial photo-mosaic, June, 2013, 6-inch pixel.

SV04of • **type:** tidal wetland • **acres:** 42.42 • **boundary criteria**: w-u, type pa • **pin**: 4B1701170011 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SV05of • **type:** tidal wetland • **acres:** 1.86 • **boundary criteria**: w-u, type pa • **pin**: 4B1701170011 • known or probable anadromous fish

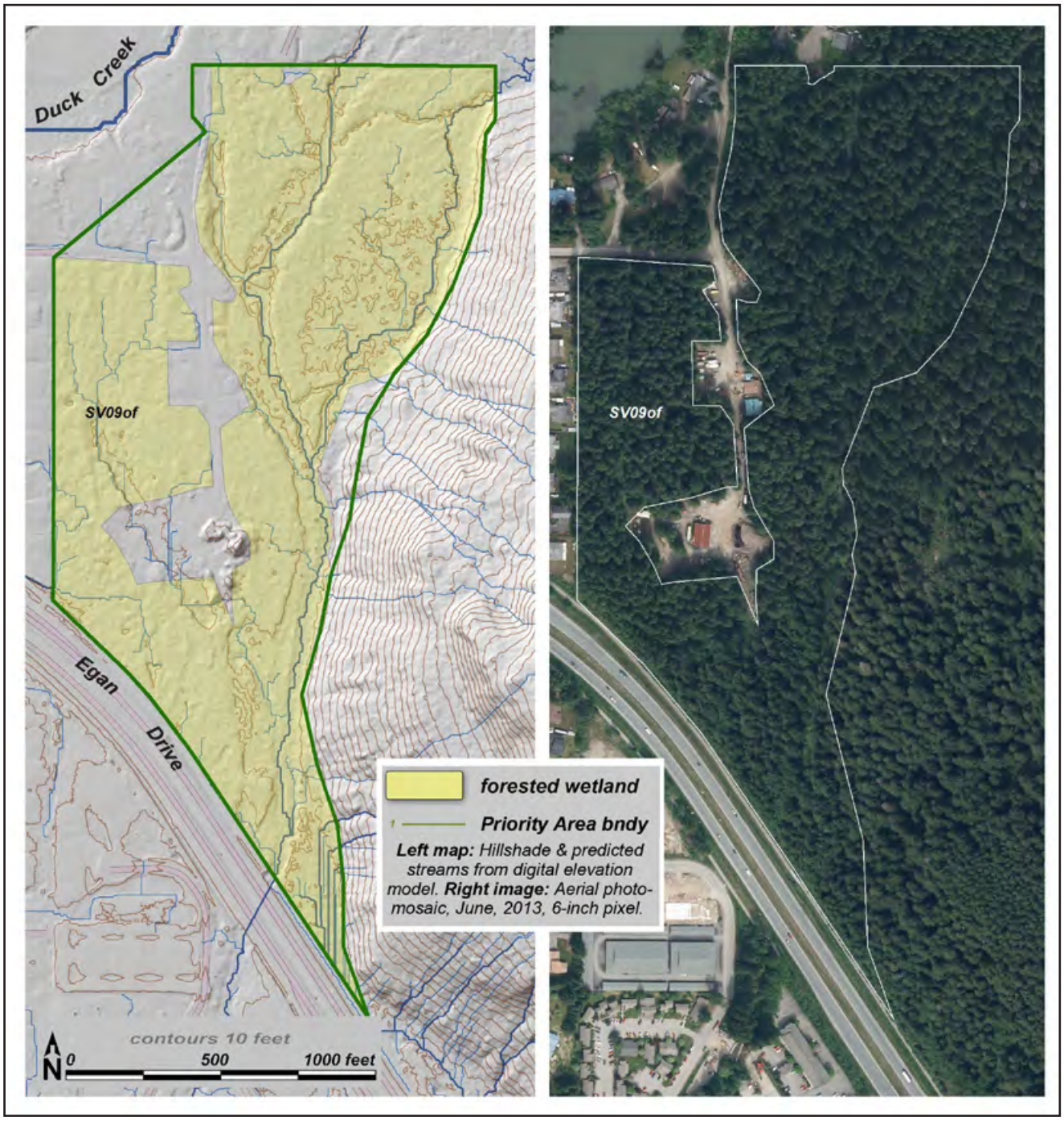
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

tidal offsite scores are normalized 'against each other.' Tables above are therefore final—not awaiting the WD scores as with the non-tidal units.

SV06of • **type:** uplift meadow • **acres:** 64.55 • **boundary criteria**: w-u, type pa • **pin**: 4B1701170011 • known or probable anadromous fish

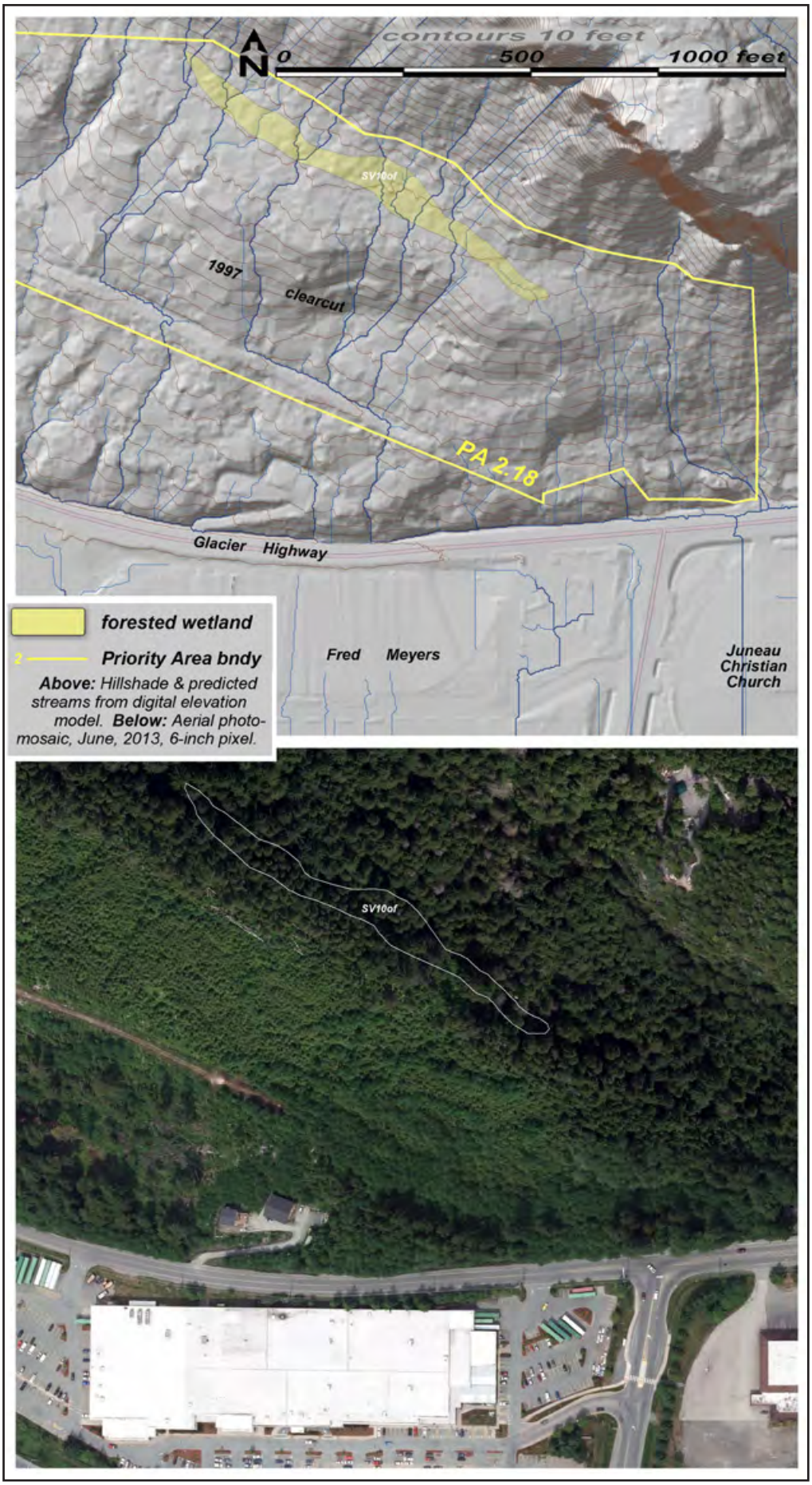
SV07of • **type:** forested peatland • **acres:** 6.08 • **boundary criteria**: w-u, type pa • **pin**: 4B1701160020 • known or probable anadromous fish

SV08of • **type:** uplift meadow • **acres:** 1.29 • **boundary criteria**: w-u, type pa • **pin**: 4B1701160020 • known or probable anadromous fish



SV09of • **type:** forested peatland • **acres:** 38.37 • **boundary criteria**: w-u, pa • **pin**: 5B1501120010 • known or probable anadromous fish

SV09of • **type:** forested peatland **acres:** 0.98 • **boundary criteria**: w-u • **pin**: 5B1501000010 • no known or probable anadromous fish



SV01of • **type:** uplift meadow • **acres:** 3.77 • **boundary criteria**: w-u, pa • **pin**: 5B1401020070 • known or probable anadromous fish

SV02of • **type:** tidal wetland • **acres:** 30.93 • **boundary criteria**: w-u, pa • **pin**: 5B1401020070 • known or probable anadromous fish

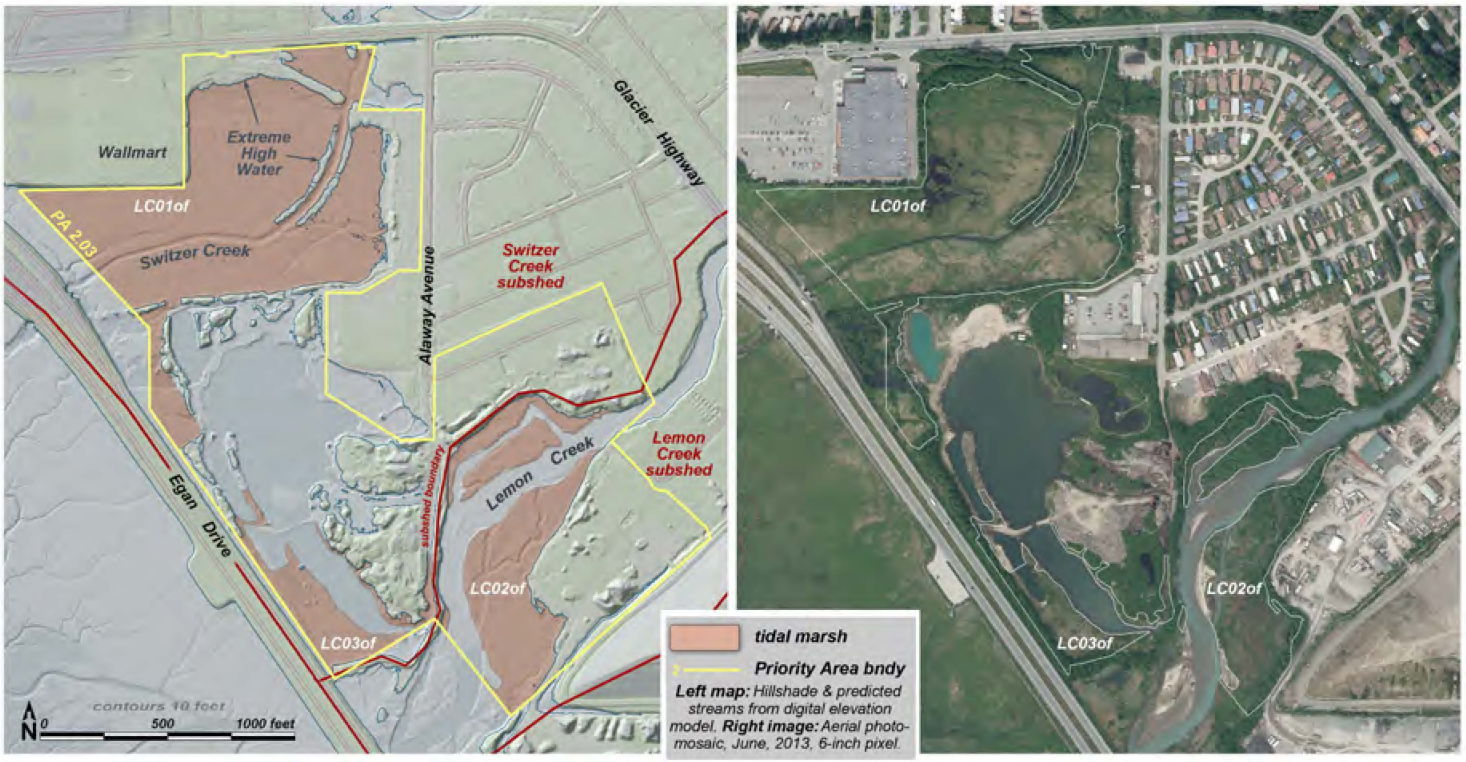
will correct in table

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]

SV03of • **type:** tidal wetland • **acres:** 1.1 • **boundary criteria**: w-u, pa • **pin**: 5B1401020070 • known or probable anadromous fish

will correct in table

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]
[illegible]	N/A	N/A	[illegible]	[illegible]


Wallmart
Extreme High Water
LC01of
PA 2.03
Switzer Creek
Alaway Avenue
Glacier Highway
Switzer Creek subshed
Lemon Creek subshed
Lemon Creek
subshed boundary
Egan Drive
LC02of
LC03of
contours 10 feet
0
500
1000 feet
N
tidal marsh
Priority Area bndy
Left map: Hillshade & predicted streams from digital elevation model. Right image: Aerial photo-mosaic, June, 2013, 6-inch pixel.
LC01of
LC02of
LC03of

LC01of • **type:** tidal wetland • **acres:** 23.81 • **boundary criteria**: w-u, pa • **pin**: 5B1301070035 37 • known or probable anadromous fish

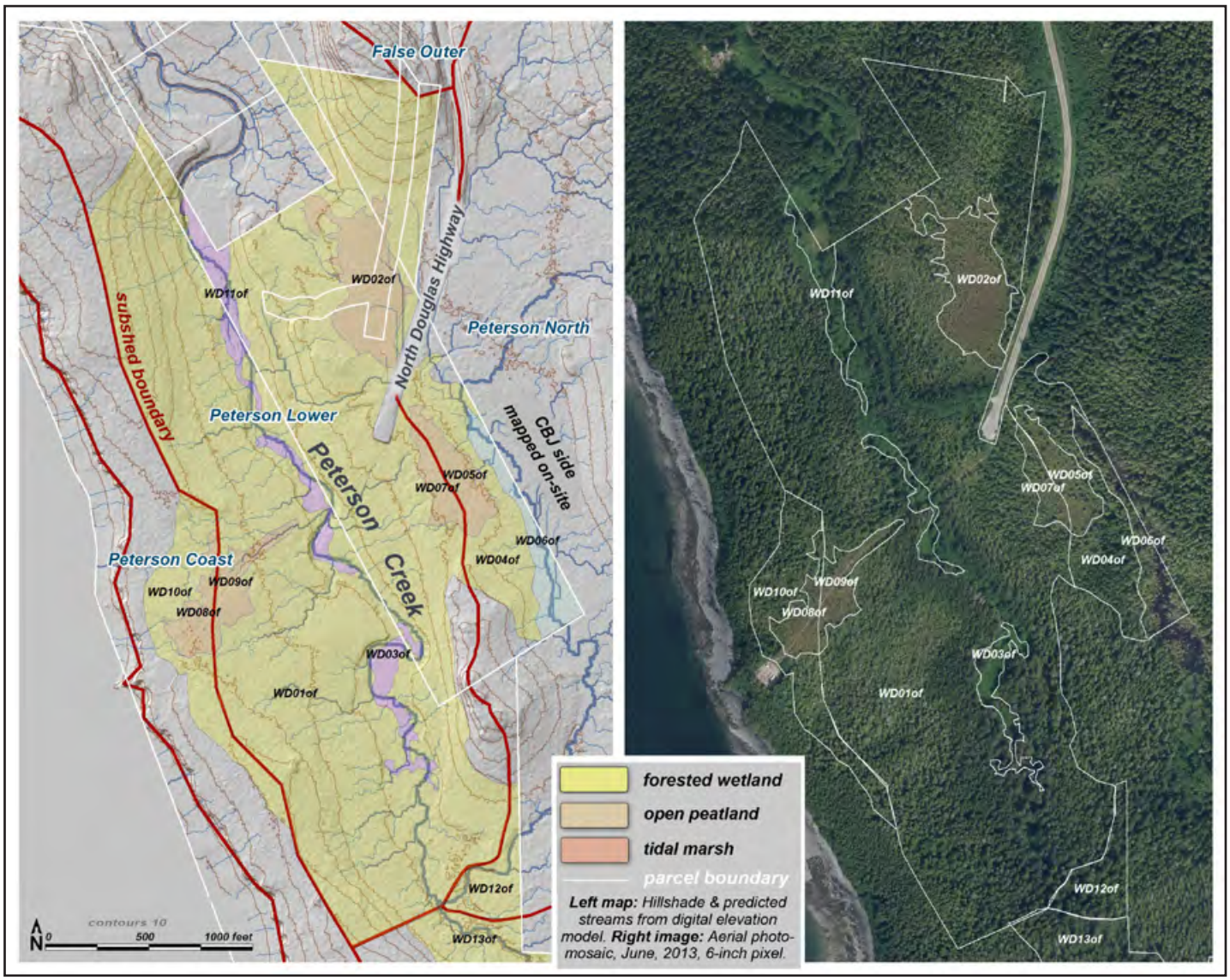
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

LC02of • **type:** tidal wetland • **acres:** 8.76 • **boundary criteria**: w-u, pa, subsh • **pin**: 5B1201060181 5B1301190000 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

LC03of • **type:** tidal wetland • **acres:** 3.4 • **boundary criteria**: w-u, pa, subsh • **pin**: 5B1301070036 • known or probable anadromous fish

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



*In the **boundary criteria** field for WD units below, "*par*" indicates the unit was split not along the priority area line ("*pa*"), but rather along the Goldbelt Inc./CBJ parcel boundary. Although we did report unit acreages to some private land owners strictly within their own properties, splitting was never a criterion for our on-site assessments; surveyed units spanned ownerships.

But in the case of these back-Douglas private lands, seaward of CBJ ownership, we performed the Goldbelt "assessments" sight-unseen, after all the on-site assessments were finished. Scores are assigned separately for the off-site units, even though many are contiguous with CBJ units of like type.

WD01of • **type:** for. peatl. • **acres:** 100.3 • **boundary criteria**: w-u, type, par,* subsh • **pin**: 3D1401000010 • known or probable anadromous fish

WD02of • **type:** open peatland • **acres:** 5.24 • **boundary criteria**: w-u, type, par • **pin**: 3D1401000010 • no known or probable anadromous fish

WD03of • **type:** uplift meadow • **acres:** 1.67 • **boundary criteria**: type • **pin**: 3D1401000020 • known or probable anadromous fish

WD04of • **type:** for. peatl. • **acres:** 6.12 • **boundary criteria**: w-u, type, par, subsh • **pin**: 3D1401000010 • known or probable anadromous fish

WD05of • **type:** open peatland • **acres:** 2.06 • **boundary criteria**: type, subsh • **pin**: 3D1401000010 • no known or probable anadromous fish

WD06of • **type:** forested peatland • **acres:** 2.91 • **boundary criteria**: type, par • **pin**: 3D1401000010 • known or probable anadromous fish

WD07of • **type:** open peatland • **acres:** 1.21 • **boundary criteria**: type, subsh • **pin**: 3D1401000010 • no known or probable anadromous fish

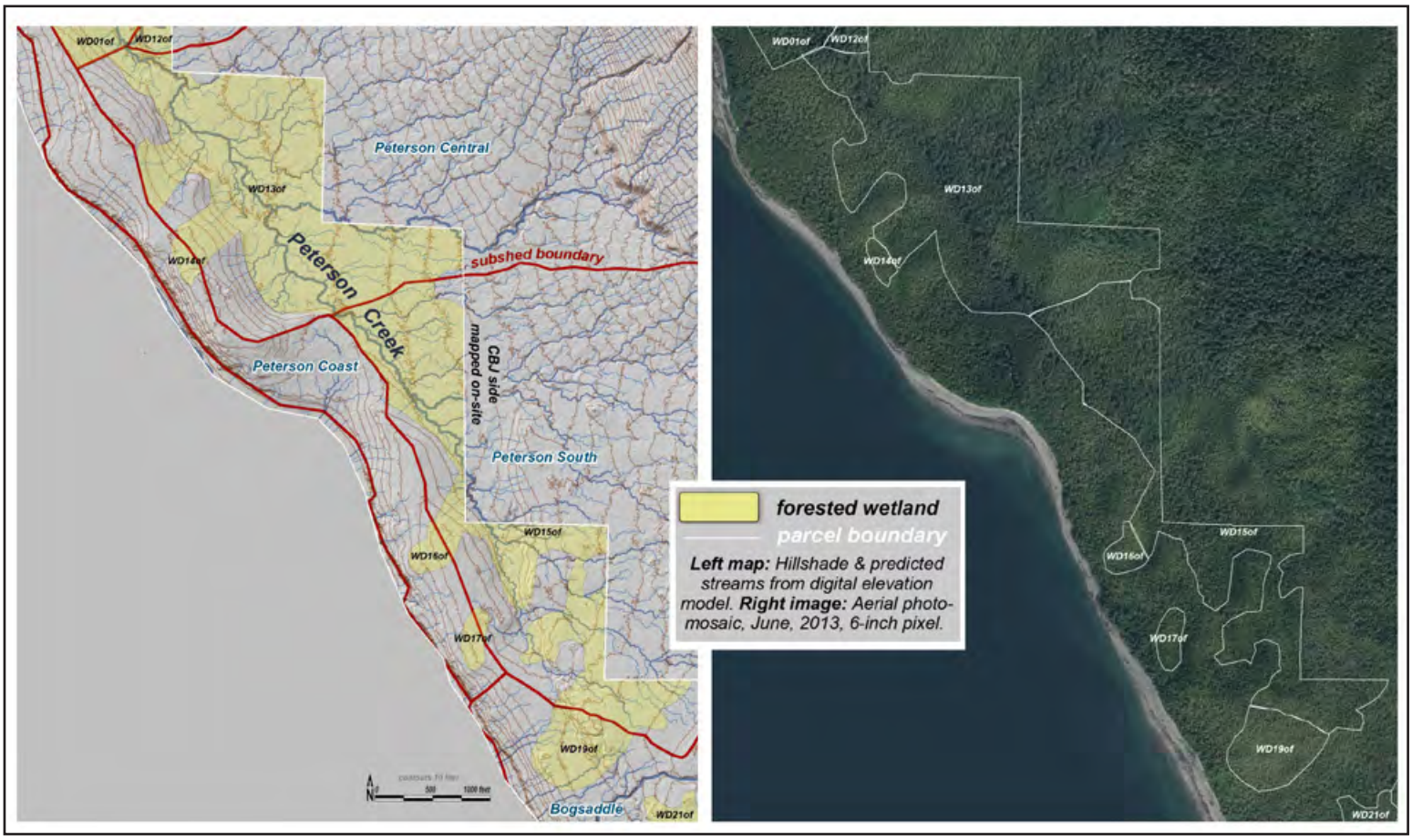
WD08of • **type:** open peatland • **acres:** 1.61 • **boundary criteria**: type, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

WD09of • **type:** open peatland • **acres:** 1.81 • **boundary criteria**: type, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

WD10of • **type:** for. peatl. • **acres:** 6.12 • **boundary criteria**: w-u, type, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

WD11of • **type:** uplift meadow • **acres:** 3.1 • **boundary criteria**: type • **pin**: 3D1401000020 • known or probable anadromous fish

WD12of • **type:** forested peatland • **acres:** 2.79 • **boundary criteria**: w-u, par • **pin**: 3D1401000020 • known or probable anadromous fish



WD13of • **type:** for. peatl. • **acres:** 78.71 • **boundary criteria**: w-u, par,* subsh • **pin**: 3D1401000020 • known or probable anadromous fish

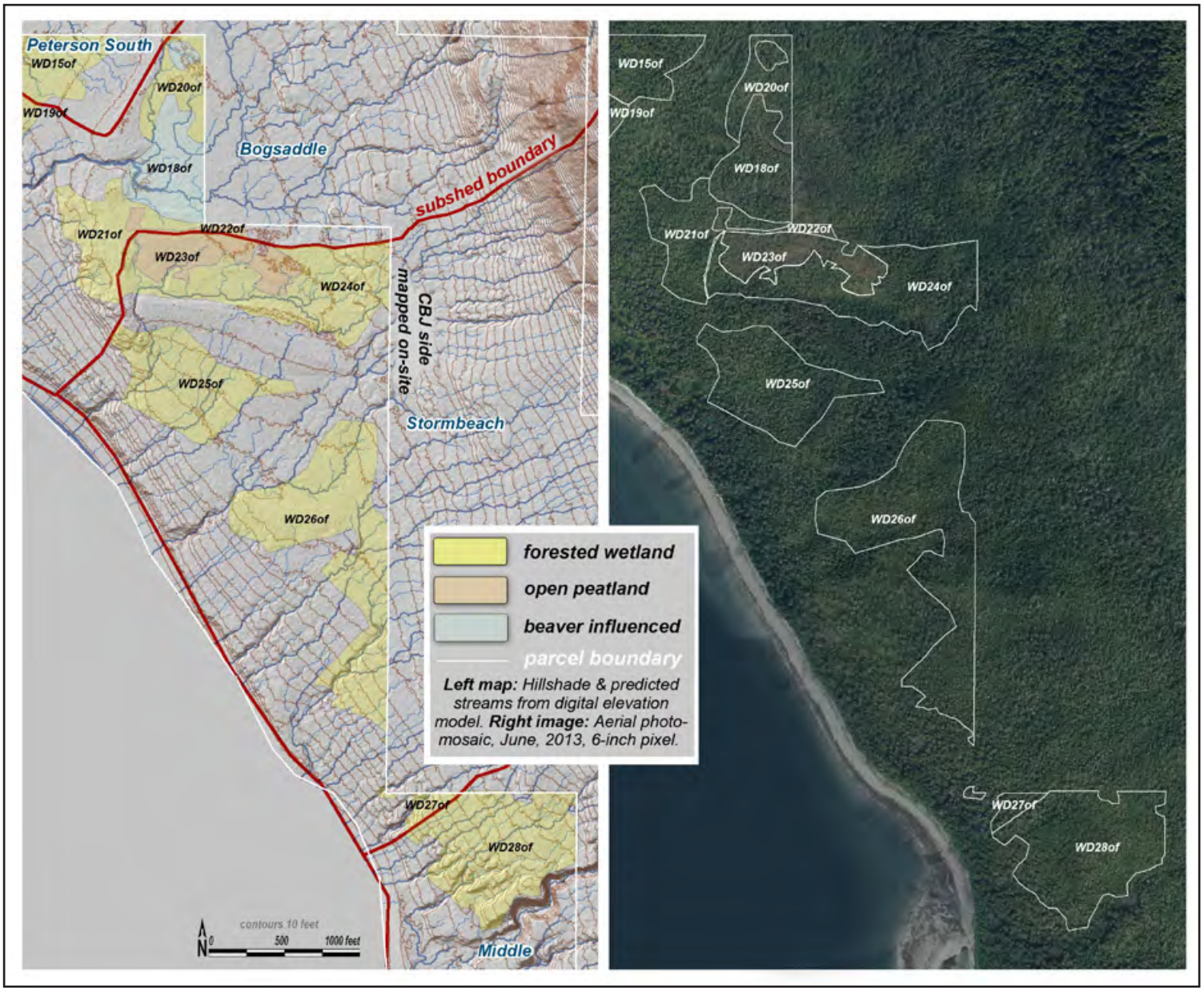
WD14of • **type:** for. peatl. • **acres:** 1.49 • **boundary criteria**: w-u, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

WD15of • **type**: for. peatl. • **acres**: 55.63 • **boundary criteria:** w-u, par, subsh • **pin**: 3D1401000020 • known or probable anadromous fish

WD16of • **type:** for. peatl. • **acres:** 2.54 • **boundary criteria**: w-u, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

WD17of • **type:** for. peatl. • **acres:** 2.44 • **boundary criteria**: w-u • **pin**: 3D1401000020 • no known or probable anadromous fish

WD19of • **type:** for. peatl. • **acres:** 10.43 • **boundary criteria**: w-u, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish



WD18of • **type:** beaver influenced • **acres:** 8.09 • **boundary criteria**: w-u, type, par • **pin**: 3D1401000020 • known or probable anadromous fish

WD20of • **type:** for. peatl. • **acres:** 4.2 • **boundary criteria**: w-u, type, par • **pin**: 3D1401000020 • no known or probable anadromous fish

WD21of • **type:** for. peatl. • **acres:** 7.42 • **boundary criteria**: w-u, type, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

WD22of • **type:** open peatl. • **acres:** 1.09 • **boundary criteria**: w-u, type, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

WD23of • **type:** open peatl. • **acres:** 6.26 • **boundary criteria**: w-u, type, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

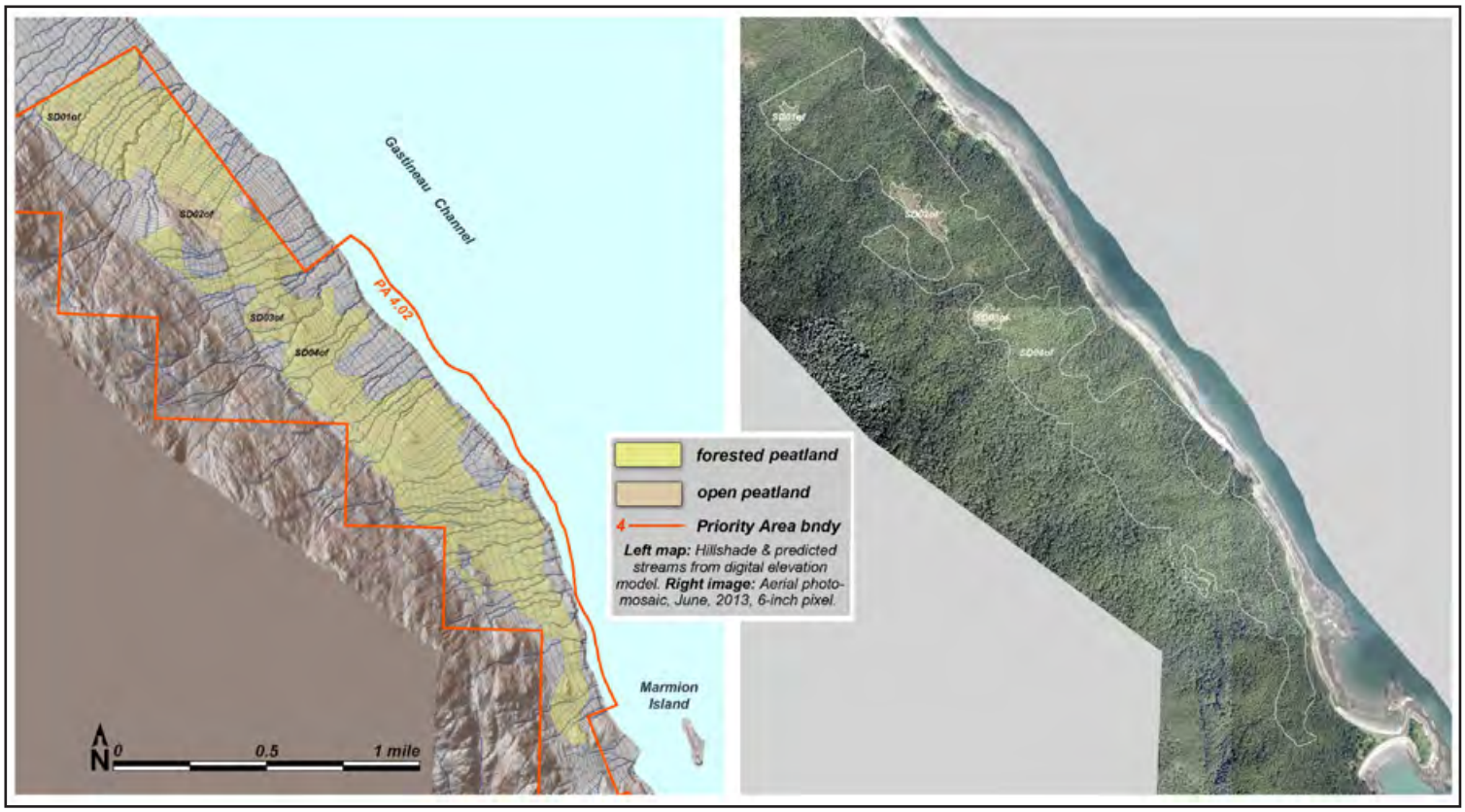
WD24of • **type:** for. peatl. • **acres:** 15.44 • **boundary criteria**: w-u, type, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

WD25of • **type:** for. peatl. • **acres:** 12.37 • **boundary criteria**: w-u, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

WD26of • **type:** for. peatl. • **acres:** 22.53 • **boundary criteria**: w-u • **pin**: 3D1401000020 • no known or probable anadromous fish

WD27of • **type:** for. peatl. • **acres:** 1.29 • **boundary criteria**: w-u, par, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish

WD28of • **type:** for. peatl. • **acres:** 16.62 • **boundary criteria**: w-u, par, subsh • **pin**: 3D1401000020 • no known or probable anadromous fish



SD01of • **type:** open peatl. • **acres:** 1.56 • **boundary criteria**: type • **pin**: 3D0101000030 • no known or probable anadromous fish

SD02of • **type:** open peatl. • **acres:** 4.52 • **boundary criteria**: type • **pin**: 3D0101000030 • no known or probable anadromous fish

SD03of • **type:** open peatl. • **acres:** 2.19 • **boundary criteria**: type • **pin**: 3D0101000030 • no known or probable anadromous fish

SD04of • **type:** for. peatl. • **acres:** 243.21 • **boundary criteria**: w-u, type, pa • **pin**: 3D0101000030 • no known or probable anadromous fish

Community Development

City & Borough of Juneau • Community Development
155 S. Seward Street Juneau, AK 99801
(907) 586-0715 Phone (907) 586-4529 Fax

Date: **October 13, 2015**

From: **Beth McKibben, Planning Manager**

To: **Planning Commission**

Re: **Auke Bay Area Plan**

In 2013, the Planning Commission appointed a Steering Committee to guide the Auke Bay planning process by providing valuable comments and local knowledge and advocating for the new Auke Bay Area Plan. This original committee consisted of 16 members and 2 agency representatives. CBJ staff worked closely with the Auke Bay Steering Committee to develop the Auke Bay Area Plan that was subsequently reviewed by the Commission and adopted by the Assembly.

July marked the beginning of the Auke Bay implementation process as the community, CBJ staff, and the Steering Committee began discussions on design standards for the core area in the Auke Bay Area Plan. Since then, meeting discussions have pertained to new zoning changes, site design elements, and other development factors that will help to shape the future of the Town Center in the Auke Bay planning area.

However, the Auke Bay Steering Committee has struggled to establish consistent quorums. Of the remaining 12 members and 2 agency representatives comprising the Committee, 9 individuals have attended the meetings related to this recent effort. In the past, lack of quorum has led to meeting cancellation including one instance during the implementation process, which set the discussion back another week and further prolonged this planning process. In an effort to avoid more cancellations, staff has reached out to members whom have not attended any of the recent meetings and encouraged their participation, but to no avail.

Staff acknowledges the great effort, time commitment and patience necessary to complete such a Plan; however, steady progress must continue on this next phase of plan implementation. In order to do so, it is imperative a quorum is established at every meeting. As the Planning Commission appointed the members for the Auke Bay Steering Committee, staff is providing a recommendation to excuse those members whose attendance since the beginning of the Design Process – August 27th, 2015 – has been 0%. Staff has provided an attendance record for the Steering Committee, indicating members that have not attended any meetings and have not been in contact with staff.

Design Process Only

Name	8/27/2015	9/3/2015	9/10/2015	9/23/2015	9/30/2015	10/8/2015	10/15/2015								Attendance Rate
L. Eric Lindegaard	A	A	A	X	A	X									20%
Phillip Rolfe	**A**	**A**	**A**	**A**	**A**	**A**									**0%**
Dave Klein	X	X	X	X	X	X									100%
Sharyn Augustine	**A**	**A**	**A**	**A**	**A**	**A**									**0%**
Michele Grant	**A**	**A**	**A**	**A**	**A**	**A**									**0%**
H. Caroline Hassler	X	X	X	X	X	X									100%
Ric Iannolino	X	X	A	X	A	X									60%
Nathan Leigh	X	X	X	X	X	X									100%
Brandilyn McDonald (CCTHRA Rep)	A	A	X	A	A	A									20%
Lawrence Lee Oldaker	X	X	A	X	X	A									80%
Linda Snow (DIA Rep)	X	X	X	X	A	A									80%
Karla Hart	X	X	X	A	A	A									60%
Alice Taff	X	A	A	X	X	X									60%
Joann Lott	X	X	A	A	A	X									40%
Matt Bell (PC Rep)															

MINUTES
WETLANDS REVIEW BOARD
REGULAR MEETING
June 25, 2015, 5:15 p.m. City Hall room 224

Meeting Summary

Roll Call

Board Members Present: Amy Sumner, Brenda Wright, Nina Horne, Jerry Medina, Andrew Campbell, Lisa Hoferkamp

Board Members Absent: Dan Miller (excused due to conflict of interest); Ben Haight; Hal Geiger

A quorum was present.

Staff Members Present: Teri Camery, Jonathan Lange, Chrissy McNally CBJ Planners

Public Present: Gretchen Pikul, DEC; John and Celeste Armstrong, applicants

Meeting called to order at 5:18 p.m.

II. May 21, 2015 Regular Meeting minutes approved.

III. Agenda approved.

IV. Public Participation on Non-Agenda Items

None

V. Board Comments.

None

VI. **<u>Agenda Items</u>**

1) **VAR2015 0016, a Streamside Setback Variance to Casa Del Sol (aka Pederson Hill) Creek**

Staff Presentation

Ms. Camery explained that the Board is reviewing this project in its scientific advisory role. Draft minutes, a summary of board comments, and the final board motion will be included in Mr. Lange's staff report to the Planning Commission.

Mr. Lange provided an overview of the project and the reason for the proposed streamside setback variance because of the utility easement 35 feet from the creek. He noted that Casa Del Sol Creek is a DEC-classified impaired waterbody. He said that the Board reviewed the project previously at the March 20, 2014 regular board meeting, and referred to the board minutes from this meeting in the packet. He said that the proposed work requires two approvals from the Planning Commission; one for the streamside setback variance and one to amend the plat note that refers to the previously approved location of the utilities outside of the 50-foot setback.

Mr. Lange said the fill on the site was originally placed 35 feet from the Ordinary High Water Mark of the creek in 1984 with a Corps of Engineers permit. The top of slope where the current fill exists is where the applicant wants to place the utility easement. The area is filled currently but the work done for the utilities and possible future driveway would be in the 50-foot setback. Mr. Lange said the application includes Best Management Practices for treating the water before it reaches the stream with a bioswale.

Ms. Hoferkamp asked for clarification regarding mitigation. Mr. Lange said that mitigation was planned for development of the driveways. Ms. Hoferkamp requested confirmation that mitigation had not been offered for the 15-foot incursion into the setback, and Mr. Lange concurred.

Ms. Pikul asked if the easement could be placed on the southern edge of Lot 5 to avoid the need for a variance. Mr. Campbell pointed out that this would mean less useable property. Ms. Pikul said she did not understand this conclusion. Mr. Lange explained that CDD staff evaluates the buildable area of proposed subdivision lots. He said that in the Industrial zone, the minimum lot size is only 2,000 square feet. He agreed that there is more than 2,000 square feet available if the easement is moved into the southern area of Lot 5. Ms. Pikul said she didn't think the easement would cut into the useable portion of the lot. Mr. Lange agreed that there would be space left on the other portion. He said that it's down to the preference of the developer. He noted that the project is scheduled for the July 28 Planning Commission meeting.

Mr. Campbell asked if staff has a position on the proposal. Mr. Lange stated that he does not have one yet; he is in the process of reviewing the variance criteria.

Ms. Wright asked if anyone has been on site to see if there is water in the creek. Mr. Armstrong said there is very little. He said that in the rainy season the creek is one foot deep.

Mr. Medina asked staff for guidance on stream habitat standards. Ms. Camery referred to CBJ Code 49.70.950(c)(7) and read the section to the board as follows:

> *Rivers, streams, and lakes shall be managed so as to protect natural vegetation, water quality, important fish or wildlife habitat and natural waterflow.*

Applicant Presentation

Mr. Armstrong referred to the 1984 Corps of Engineers Permit that allowed fill but not structures up to 25 feet from the creek. The area was filled with shot rock to the toe of the slope at the 25-

foot zone. He said that he has been driving on the fill for 30 years. He is asking to use the area that has been filled and already in place, with the exception of the utility installation. He would like to continue to use it as it has been used.

Ms. Hoferkamp asked if the area would be paved. Mr. Armstrong stated that the area would be surfaced with D-1 gravel, however future property owners could pave. Ms. Hoferkamp asked if there was any way to ensure that the area is not paved. Mr. Campbell said that this could be added as a condition. He said it has been done before but he was not sure of the mechanism. He said it was upheld by the Planning Commission, and he believed the case was Northern Keta. He thought there were two cases. Ms. Camery could not recall these cases but said she would be happy to look it up. Mr. Lange and Ms. Camery said that a deed restriction or plat note might be an option.

Mr. Armstrong stated that there is no new fill anywhere, and the only development would be to put in the new water and sewer line. He said the water and sewer line would be in the driveway portion as far from the stream as possible, at 45 feet with an encroachment of 5 feet.

Ms. Wright asked if the driveway could be moved between lots 5 and 6. Mr. Armstrong said that would be difficult because power and electricity has been installed according to the proposed plan.

Ms. Horne said that she agrees with the Lot 5 option. Mr. Campbell said he believes this intrudes into Lot 7, because the easement would enter Lot 7 in the middle of the lot. Mr. Armstrong said it interferes with Lot 9, because the hammerhead for fire department access takes up a lot of the buildable area.

Public Participation

There was no formal public participation.

Board/Staff Discussion

Ms. Sumner requested clarification regarding 45 feet versus 35 feet from the creek. Mr. Armstrong explained that it depends on whether you measure from the toe of the slope or the top of the slope. Mr. Lange clarified that the 20 foot access and utilities easement would be 35 feet from the stream, but the applicant has stated that the water and sewer installation is proposed to be at the 45 foot line.

Mr. Medina referred to the Board's original motion in March 2014, which was based on no encroachment within the setback. He said that he understands the need for maximum use of the property, however he does not believe that the applicant has provided a good enough reason to encroach into the setback.

Ms. Wright asked if lots 5, 7, 8, and 9 are all encroaching, or if it's just lot 5. Mr. Lange stated that the encroachment affects all four lots.

Mr. Campbell wondered how active the stream is. Ms. Wright said she has seen rearing fish, but not spawning. Ms. Camery and Ms. Pikul confirmed that the area is anadromous and subject to the 50-foot no development setback. Ms. Pikul pulled up an anadromous stream map on her phone to demonstrate.

Ms. Horne said that she does not see a convincing argument to the change the Board's position.

Mr. Campbell said that it is important that the Board is consistent with all applicants. He said that the Board has recommended approval for variances that were not different from this one, in areas previously filled. He said that it's unfortunate that the proposal has come to the Board this way, however this situation happens often in construction. He said he supports the application so the lots can be used for their intended purpose.

Ms. Horne said she believes there are other options.

Mr. Armstrong said that if he had not subdivided the property, he would still be using it for truck traffic. He described the use on the lot in the subdivision that he owns as low-impact. Ms. Camery reminded the Board that they are reviewing a subdivision layout that may have a range of uses allowed in the Industrial zone in the long-term; review is therefore not based on the current use of the property.

Mr. Medina said that the variance criteria in the code are very specific. He said there are no unusual topographic features on the property to justify the variance. He said the developer needs to come up with more options.

Ms. Hoferkamp said that the misrepresentation by the surveyor is unfortunate; however the anadromous stream is clear.

Mr. Campbell noted that within the easement there's an existing filled driveway. Mr. Armstrong confirmed this. Ms. Camery noted that the streamside setback has been in CBJ Code since 1987. Fill and other developments that were placed within streamside setbacks before this time are considered legally non-conforming. Mr. Lange concurred that any new development has to be outside of the 50-foot setback.

Ms. Sumner stated that there is already fill there and she doesn't see any additional impact to the stream from the proposal. Ms. Pikul said that the bioswale would be an improvement to the area.

Mr. Armstrong said he is asking to put the swale in and drive vehicles across fill that already exists.

Mr. Campbell noted the disagreement among Board members on the proposal. He said that he would hate to see the Board say no without making a contribution and offering conditions in the event that the Planning Commission approves the variance.

Ms. Horne said she was not clear on the mitigation that was proposed. Mr. Armstrong said that he had replaced a culvert three months ago to improve fish passage on the site. Mr. Campbell

said that this is not specifically mitigation for the streamside setback variance, however it is a nice contribution to address the impact of the development.

Board motion

Ms. Wright referred to the Board's original motion in March 2014 and made revisions to offer a new motion as follows:

> *The Board does not recommend approval of the proposed variance because the survey shows that the driveway and utilities are within the 50-foot setback. However if the Board of Adjustment approves the variance, the Board requests special consideration of snow storage areas, creation and maintenance of grassy swales, and related stormwater management issues to ensure that sediment and pollutants to not reach the stream. The Board also requests careful attention to the location of the 50-foot setback on lots 5, 7, and 8 to ensure that buildings are not located within the setback. The Board requests measures to reduce the spread of invasive species in the project area during the development stage. The Board further requests the use of a deed restriction or plat note to prohibit use of impervious surfaces within the 50-foot setback.*

Mr. Medina seconded the motion.

In favor: Ms. Wright, Ms. Horne, Ms. Hoferkamp, Mr. Medina
Opposed: Ms. Sumner, Mr. Campbell

Mr. Campbell said he could not support the motion because he supported the variance, however he agreed with the rest of the language in the motion. Ms. Sumner said she did not see any additional impact from the variance.

Ms. Camery said that she thought that a 4-2 vote might mean that the Board motion had failed according to Roberts Rules of Order. She apologized that she did not know for sure. She said that she would need to check with CBJ Law or someone at CDD who knows the rules well to confirm. Mr. Campbell noted that the Board has never been in this situation before. Ms. Camery said that the Board could propose a revised motion just in the CBJ Clerk's office determines that the first one has failed; however if the Clerk's Office determines that the first vote passed, then the first motion is the one that would be carried forward to the Planning Commission.

Ms. Sumner therefore proposed a new motion, identical to the first motion except for the first line, as follows:

> *If the Board of Adjustment approves the variance, the Board requests special consideration of snow storage areas, creation and maintenance of grassy swales, and related stormwater management issues to ensure that sediment and pollutants to not reach the stream. The Board also requests careful attention to the location of the 50-foot setback on lots 5, 7, and 8 to ensure that buildings are not located within the setback. The Board requests measures to reduce the spread of invasive species in the project area*

during the development stage. The Board further requests the use of a deed restriction or plat note to prohibit use of impervious surfaces within the 50-foot setback.

Ms. Wright seconded the motion.

In favor: Ms. Sumner, Mr. Campbell
Opposed: Ms. Wright, Ms. Horne, Ms. Hoferkamp, Mr. Medina

ADDENDUM: CDD staff confirmed with the City Clerk's office on 6/26/15 that five votes in the affirmative are required for a motion to pass, regardless of the Board's advisory role. Therefore both motions have failed.

2) Juneau Wetlands Management Plan Update

Ms. Camery stated that Bosworth Botanical Consulting has completed all on-site wetland assessments, 360 total, and is now conducting off-site assessments utilizing the 2013 Lidar and imagery. She said this includes approximately 20 off-site assessments of Goldbelt property adjacent to the West Douglas road corridor. There will be approximately 60-70 offsite assessments total, which address areas where CBJ/CDD could not obtain private property permission for on-site assessments on large vacant parcels within the identified priority areas. She said that a preliminary draft Juneau Wetlands Management Plan, which will be reviewed by the Board, is due in September.

VII. Pending Permits and Updates

Ms. Camery explained that CDD is reviewing a proposed asphalt plant on city leased-land near Lemon Creek. The project is farther than 50 feet from the stream, therefore a streamside setback variance is not needed and the project is not coming to the WRB for advisory review. She has asked the applicant for the exact distance from the creek, and the project review includes extensive evaluation of stormwater treatment measures. The development requires an air quality permit and a Stormwater Pollution Prevention Plan from DEC, which will be required as conditions of approval. The project is currently scheduled for the July 28 Planning Commission meeting.

Ms. Camery noted that she is still expecting a Conditional Use Permit application from SECON for stream mining farther upstream in Lemon Creek Valley.

VIII. Planning Commission Liaison Update.

Planning Commissioners were not in attendance.

IX. Next meeting: Thursday July 16, 5:15 p.m., City Hall room 224.

The meeting was adjourned at approximately 6:45 p.m.

MARIJUANA COMMITTEE
THE CITY AND BOROUGH OF JUNEAU, ALASKA
MINUTES

August 27, 2015, 6:00 PM.
Municipal Building - Assembly Chambers

I. ROLL CALL

The meeting was called to order by Chair Jesse Kiehl at 6:00 p.m.

Committee Members Present: Mary Becker, Maria Gladziszewski, Jesse Kiehl, Bill Peters.

Committee Members Absent: Mike Satre, Dennis Watson.

Staff Present: Amy Mead, Municipal Attorney; Rob Steedle, Deputy Manager; Laurie Sica, Municipal Clerk; Teresa Wynther, Deputy Treasurer; Clinton Singletary, Sales Tax Administrator; Chrissy McNally, Planner.

II. APPROVAL OF AGENDA

Hearing no objection, the agenda was approved as presented.

III. APPROVAL OF MINUTES

A. August 13, 2015 DRAFT Marijuana Committee Minutes

Hearing no objection, the minutes of the August 13, 2015 Marijuana Committee meeting were approved.

IV. PUBLIC PARTICIPATION

Ben Wilcox said regarding limiting licenses, he read from the Juneau Economic Development Plan about the importance of attracting new businesses to Juneau and spoke in favor of marijuana businesses. He referred to the brewery, which is an example of light manufacturing, with higher wages and which keeps people in the community. Any further restriction of licenses than what will be imposed by the State of Alaska would go against the intent of the economic development plan. There were plenty of barriers to the marijuana business already.

Adam Burke spoke against restricting the number of marijuana retail licenses. The retail stores in Colorado and Washington are very difficult to find because they don't stand out. When there are a limited number of licenses, there is more opportunity for corruption regarding who is able to obtain a license. The market would decide how many establishments could prosper. He spoke about his concern about plastic pollution from individually wrapped edible products.

V. AGENDA TOPICS

A. Effects on Treasury of Marijuana Businesses, CBJ Finance Department Memorandum

Theresa Winther, Deputy Treasurer spoke about her memo regarding how the CBJ Treasury division would handle an all cash business. CBJ could accept cash, and could deposit the cash no matter the source into the bank. There would need to be additional controls regarding the handling of additional cash. Until Federal Banking regulations changed, the Treasury department preferred

to take cash from marijuana based businesses, and not accept checks from those businesses as a form of payment.

Mr. Kiehl asked about the additional staff work to handle cash and in terms of managing workflow, did the treasury have sufficient staff. Ms. Winther said the staff was adequate currently, and the information she provided about additional controls was from Colorado and was based upon dispute resolution, in that two people were required to count the cash. There are currently two staff up front in the cash office. The process was to ensure the control of funds.

Mr. Kiehl said the state regulations required growers remitting the wholesale excise tax to remit monthly, and asked if there were concerns about quarterly payments from sales tax being too large? Ms. Winther said it would require coordination of several divisions of finance to ensure the funds were secure.

Ms. Becker asked if the license and sale tax funds went in the same "pot" and how those payments would be separated. Ms. Winther said that CBJ had a central treasury and accounting allocated the revenue to the various funds. She said there was no reason for the bank to prohibit CBJ from depositing cash regardless of the source, and she could ask the bank if there was any risk that they would ask us to segregate any payments. We have a good working relationship with the bank and they know we want to minimize risk.

Ms. Gladziszewski said that perhaps the question was that the money from marijuana should be segregated into a separate account and then separately deposited.

Mr. Kiehl asked for information back from the appropriate staff person about segregating funds.

B. **Local Licensing of Marijuana Businesses, CBJ Finance Department**

Mr. Singletary said there had been discussion about licensing marijuana establishments specifically and/or licensing all CBJ businesses. Business licenses provided a tool for additional compliance and the intake of license fees. If used as a compliance tool, you would need to look at how many of the CBJ departments and their associated fees could be leveraged in the enforcement of a license. The broader the scope can increase compliance, and can complicate it. Anchorage has a limited license program ranging in cost for $100 to 300. Skagway requires all merchants to get a $10 license annually. They have about 800 merchants. Another consideration is what the state would do in requiring licenses, similar to the liquor licenses, which had turned out to be a good enforcement tool for the municipalities.

Mr. Kiehl said the state contemplated an inventory tracking system. He asked Mr. Singletary if CBJ would need something in addition to that or just have access to those records in regards to recordkeeping. Mr. Singletary said if the CBJ could access the state records, it would not need anything else. When CBJ audits businesses, we don't generally get to the inventory level, there were other checks and balances. When we do an audit, we have code authority to request records that would document sales.

Ms. Mead said the code was broad enough to look at anything related to sales and revenue, but it would behoove CBJ to request access to the state's records, because access to those records was fairly limited now. Mr. Kiehl asked if the records were confidential and not public, Mr. Singletary said yes.

Ms. Gladziszewski said that recordkeeping was an item to monitor and include in any future ordinance.

C. **Set 3 of Proposed State of Alaska Marijuana Regulations with Summary**

Mr. Kiehl asked the committee and Ms. Mead if there were any items within the regulations which raised questions or comments.

Ms. Mead said CBJ may wish to request access to the inventory tracking system, and to ask that violation of local laws be part of a state license review. She said that the marijuana club prohibition was included in this set of regulations.

Mr. Kiehl said that in the "Notices of Violation" section it appeared to allow the state to give an advisory notice but regarding a suspension or revocation of a license, he did not see the authority to suspend or revoke if the business was breaking a local law. Ms. Mead agreed. Mr. Kiehl said he thought that was something CBJ would want added to the regulations.

Ms. Gladziszewski asked for the deadline for comments. Mr. Kiehl said it was September 10. Mr. Peters noted that was the next schedule committee meeting date.

Mr. Kiehl said the testing requirements for marijuana and its products was not extremely well spelled out and at the AML conference, there were presentations from the State Marijuana Control Board and they spoke about testing for THC and potency. The question came up about whether they were writing regulations for the "rail belt" and the location and access to testing laboratories. There appears to be more testing required than just for THC, and a concern was access to testing labs so that products did not have to be moved illegally to be tested. There was also a concern about the efficacy of moving testing labs due to testing equipment becoming uncalibrated. It seemed like the testing requirements may limit the ability of the local laboratory businesses to test for more than THC, such as salmonella, or other chemical additives. He suggested that CBJ should propose a comment to ask the board to not ask for so much testing as it was not economically viable in Juneau.

Ms. Becker asked how Mr. Kiehl knew it was not economically viable. Mr. Kiehl said he had spoken with potential business owners who had made the comment that the testing equipment was very expensive, and he was concerned about a comment that it would only require a gas chromatagraph that could be put on a plane or ferry.

Ms. Gladziszewski said the threshold should be product safety vs. economic viability, but she did not think testing should be reduced just because it was expensive. Ms. Becker said it would seem that growers would want to sell a safe product so as not to cause other issues with their business.

Mr. Kiehl asked the committee if it wanted to ask that the regulations require that the municipality have access to the records gathered by the state, including the marijuana inventory tracking system proposed. There was no objection to making that request.

There was no objection to asking that the regulations include that a license revocation or suspension include a review of compliance with local laws, not just state laws.

Mr. Kiehl said the board had shut off the possibility of marijuana clubs and CBJ recommended in the last set of regulations that the decision to allow or disallow marijuana clubs be left to the local municipalities.

Ms. Becker opposed that, and was concerned that this would open up the no smoking ordinance for reconsideration.

Ms. Gladziszewski supported the local control and not having the decision imposed by the State of Alaska.

Mr. Peters concurred and said it was a city issue, not a state issue, and CBJ would need to have this conversation given that we have a tobacco ordinance.

Ms. White supported this being a matter for local control.

Roll call regarding forwarding a comment that stated that allowing marijuana clubs should be a decision by the municipality, not the State of Alaska:
Aye: Gladziszewski, Kiehl, Peters, White
Nay: Becker
Motion passed, 4 ayes, 1 nay.

Ms. Gladziszewski said it was hard to know how to comment about the testing regulations and whether or not the regulations could only be complied with if in Anchorage. Ms. Mead said the only way to comment would be to ask the board to weigh implementation of the testing program so that the product was safe but not so stringent as to leave the community without a testing facility. There was no objection to making such a comment.

VI. COMMITTEE MEMBER / LIAISON COMMENTS AND QUESTIONS

Ms. Gladziszewski asked about local licensing and said she continued to believe that the local government needed a way to control our own destiny and not leave it up to a state board - especially after reading the regulations.

Ms. White said she agreed and advocated for local control on many of the issues.

Ms. Becker said once the law was passed, the program would be built around the law. She said that it was difficult to vote on the issues brought up at the meeting and felt the issues were pushed. She would like more explanation about the issues Mr. Kiehl brought up at the meeting before the meeting.

Ms. White said she doesn't want Ms. Becker to feel railroaded but these regulations are put out by 5 people looking at them from a statewide perspective and the more eyes the better, especially regarding local comments. This was about a public process of making these laws.

Ms. Mead said the beauty of a license was telling people that they couldn't operate without one. We have other methods to enforce compliance with anything we want to require. Some communities build in injunctive relief to be able to shut down businesses. When the committee decided what it wanted to require, she could provide ideas on enforcement.

Mr. Kiehl spoke about the timing of the regulations, the local law establishments and said he planned to meet with the Law Department to pull together a local licensing ordinance based on the committee's work to date. If there were issues to include, he encouraged the committee to get those thoughts to him, so that there could be full consideration of the issues through the public ordinance process. He wants to respect the interest on the part of local businesses that want to move forward so they understand how the local laws would work. It would take time to create the ordinance and the time was getting short.

VII. SUPPLEMENTAL MATERIALS

A. City and Borough of Juneau 500 Foot Buffer Maps

There were no questions about the maps distributed.

B. Finance Department Memo - regarding Business Licensing Program

Discussion on the matter was reflected above.

VIII. ADJOURNMENT

There being no further business to come before the committee, the meeting adjourned at 7:30 p.m.

Submitted by Laurie Sica, Municipal Clerk