Thurston PUD

Providing safe, reliable, affordable, and sustainable service.

DETERMINATION OF NON-SIGNIFICANCE

- Description of proposal: **Complete leak loss assessment and repairs, repair damaged pumphouse, and installation of approximately 38 meters.**
- Proponent: **Thurston PUD**
- Location of proposal, including street address, if any:
  a. System: **ID# 88388B, Timberline Village 628**
  b. Site Address: **107 Bearfoot Rd, Packwood, WA 98361**
  c. Parcel Number: **Multiple parcels within the water system. Pumphouse located at 010579053000**
  d. Legal: **Section 01, Township 13N, Range 09E**
- Lead agency: **Thurston PUD**

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030 (2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

- ☐ There is no comment period for this DNS.
- ☐ This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.
- ☑ **This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 14 days from the date below. Comments must be submitted by 1/30/2020.**

- Responsible official: **John Weidenfeller**
- Position/title: **General Manager**
- Phone: **360-357-8783**
- Address: **1230 Ruddell Rd SE, Lacey, WA 98503**

Signature: John Weidenfeller Date: 1/16/2020

SEPA ENVIRONMENTAL CHECKLIST

A. Background [HELP]

1. Name of proposed project, if applicable:

   Timberline Village 628 Water System Consolidation Project

2. Name of applicant:

   Public Utility District No. 1 of Thurston County

3. Address and phone number of applicant and contact person:

   Kim Gubbe, Director of Planning and Compliance
   1230 Ruddell Rd SE
   Lacey, WA 98503
   360-357-8783

4. Date checklist prepared:

   11/13/19

5. Agency requesting checklist:

   Washington State Department of Health.

6. Proposed timing or schedule (including phasing, if applicable):

   Work is scheduled to be completed by January 2022.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

   No.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

   Cultural Review is being completed by the Department of Health.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

   No.

10. List any government approvals or permits that will be needed for your proposal, if known.

   Washington State Department of Health approval.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

Complete leak loss assessment and repairs, repair damaged pump house, installation of approximately 38 service meters.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The proposal covers different parts of the entire water system. The pumphouse will be the reference point for a site address. System maps are included at the end.

- **Site Address: 107 Bearfoot Rd, Packwood, WA 98361**
- **Parcel Number: 010579053000**
- **Legal: Section 01, Township 13N, Range 09E**

B. Environmental Elements [HELP]

1. *Earth* [help]

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

Hilly, some steep slopes.

b. What is the steepest slope on the site (approximate percent slope)?

Approximately 21%.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

Nevat sand and netrac sand.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

We will be installing meters for every available connection to comply with Department of Health Water Use Efficiency guidelines. This means digging up the service lines to install a meter and meter box. Local soil or other impervious material will be used to back fill.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Yes, see Erosion Hazard Map for areas susceptible to erosion. In general, erosion areas are south of Highway 12, which divides the system in half.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Approximately 1% where meter boxes will be installed. The size of the boxes compared to the whole system, or even to each lot, is negligible.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Keeping the ground wet and setting up silt fences as needed should mitigate any erosion issues that may arise.

2. Air [help]

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

Construction Dust.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Per SWCAA 400 – General Regulations for Air Pollution Sources, and similar to the mitigation for erosion, "application of water before and during earthmoving operations…[and] reducing equipment/vehicle speeds" will mitigate any construction dust that could affect the air.

3. Water [help]

a. Surface Water: [help]

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Cowlitz River, Coal Creek, streams, and wetlands.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes. Coal Creek runs through the back of approximately 30 properties. Installing meters will take place in front of the properties and will not affect the Creek. In addition, the Cowlitz River runs along the back of approximately 25 properties that will not be affected by installing meters. See map.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

Yes. The 100-year floodplain runs through the north west of the system. See attached map.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

b. Ground Water: [help]

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No, water will not be withdrawn for drinking or other purposes.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None. Does not apply.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Storm water will drain to the lowest elevation. There should not be additional runoff as a result of installing meters or making repairs to the pumphouse.

2) Could waste materials enter ground or surface waters? If so, generally describe.

No. While the Cowlitz River and associated creeks run through portions of the water system, they are on the backside of properties where we will be working.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

Does not apply.

4. Plants [help]

a. Check the types of vegetation found on the site:

__X_deciduous tree: alder, maple, aspen, other
__X__evergreen tree: fir, cedar, pine, other
__X__shrubs
__X__grass
____pasture
____crop or grain
____ Orchards, vineyards or other permanent crops.
____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
____water plants: water lily, eelgrass, milfoil, other
____other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Native soil will be removed as needed to trench the service lines and install the meter boxes. No vegetation will be removed for the reservoir cleaning and upgrades.

c. List threatened and endangered species known to be on or near the site.

None.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Grass may be re-planted as needed.

e. List all noxious weeds and invasive species known to be on or near the site.

None. Does not apply.

5. Animals [help]

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

COMMON NAME	SCIENTIFIC NAME
Chinook	Oncorhynchus tshawytscha
Coho	Oncorhynchus kisutch
Cutthroat	Oncorhynchus clarki
Rainbow Trout	Oncorhynchus mykiss
Rocky Mountain elk	Cervus elaphus nelsoni
Steelhead	Oncorhynchus mykiss
Harlequin duck	Histrionicus histrionicus
Mule and black-tailed deer	Odocoileus hemionus
Northern Spotted Owl	Strix occidentalis

b. List any threatened and endangered species known to be on or near the site.

- **Chinook – threatened**
- **Northern Spotted Owl – endangered**
- **Steelhead – threatened**

c. Is the site part of a migration route? If so, explain.

Yes. Coal Creek is an occurrence/migration route for coho, chinook, cutthroat, and trout.

d. Proposed measures to preserve or enhance wildlife, if any:

The scope of the work will take place within a developed community. There are no anticipated impacts on any wildlife to install meters and upgrade the reservoir.

e. List any invasive animal species known to be on or near the site.

None.

6. Energy and Natural Resources [help]

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Does not apply. The water meters and pumphouse repairs won't involve installing any new energy sources. The pump inside the pumphouse uses electrical power.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

Does not apply.

7. Environmental Health [help]

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

Yes. It's possible to hit a gas line when excavating but not likely since locates will be called in for any dig.

1) Describe any known or possible contamination at the site from present or past uses.

No known or possible contaminants.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

None.

4) Describe special emergency services that might be required.

None.

5) Proposed measures to reduce or control environmental health hazards, if any:

Does not apply.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?
None.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.
Short Term – Work days are Monday thru Friday 8 a.m. to 5 p.m. Construction noise could consist of excavator noise while installing service lines and meters. There is no long term noise to consider.

3) Proposed measures to reduce or control noise impacts, if any:
None.

8. Land and Shoreline Use [help]

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.
This a residential community. Installing water meters and improving the pumphouse won't impact current land uses.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?
No.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:
No.

c. Describe any structures on the site.
Single family residences and a pump house.

d. Will any structures be demolished? If so, what?
No.

e. What is the current zoning classification of the site?
RRC-R1

f. What is the current comprehensive plan designation of the site?

Rural Residential Settlement.

g. If applicable, what is the current shoreline master program designation of the site?

Rural Conservancy (Yellow) and Shoreline Residential (Purple) along the North, Northwest, and Northeast edges of the water system. See map "Shoreline Environments".

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

Yes, there are Channel Migrations Zones (CMZ) and Stream Buffers. Although meter installation will occur within a portion of the 150-foot shoreline buffer, there is no anticipated environmental impact because of the low construction foot print produced by installing a water meter.

i. Approximately how many people would reside or work in the completed project?

Approximately 120 permanent residents. Seasonal population fluctuates.

j. Approximately how many people would the completed project displace?

Zero.

k. Proposed measures to avoid or reduce displacement impacts, if any:

None. Does not apply.

L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Project is not adding any new buildings, just upgrading the current water infrastructure and pumphouse. There are no conflicts with existing and projected land use plans.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

None. Does not apply.

9. Housing [help]

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

Does not apply. Not a housing project.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

Does not apply. No units will be eliminated.

c. Proposed measures to reduce or control housing impacts, if any:

Does not apply.

10. Aesthetics [help]

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

No proposed structures to be built.

b. What views in the immediate vicinity would be altered or obstructed?

None.

c. Proposed measures to reduce or control aesthetic impacts, if any:

None. Does not apply.

11. Light and Glare [help]

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

c. What existing off-site sources of light or glare may affect your proposal?

None.

d. Proposed measures to reduce or control light and glare impacts, if any:

None. Does not apply.

12. Recreation [help]

a. What designated and informal recreational opportunities are in the immediate vicinity?

Coal Creek is just outside the water systems' Northwest boundaries. It is a 0.1 mile public fishing spot.

b. Would the proposed project displace any existing recreational uses? If so, describe.

No.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None. Installing meters, repairing leaks, and fixing the pumphouse will not impact the recreational area.

13. Historic and cultural preservation [help]

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

No.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

Since this community has already been developed, it is unlikely that there is any historic use or occupation that hasn't already been addressed. However, a cultural review is being completed by the Department of Health.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

Cultural review is being completed by the Department of Health in conjunction with this environmental review.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

None. In the event that archaeological materials are encountered during the project, an archaeologist should immediately be notified, and work halted in the vicinity of the find until the materials can be inspected and assessed. At that time, the appropriate persons are to be notified of the exact nature and extent of the resource so that measures can be taken to secure them. In the event of inadvertently discovered human remains or indeterminate bones, pursuant to RCW 68.50.645, all work must stop immediately, and law enforcement should be contacted. Any remains should be covered and secured against further disturbance, and communication established with local police, the DAHP, and any concerned tribal agencies.

14. Transportation [help]

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

US Highway 12 runs through the middle of the system. Grizzly Rd is the access road off of US Highway 12 for the south part of the system. Timberline Dr is the access road off of Us Highway 12 for the north part of the system.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

LEWIS Mountain Highway Transit has one stop in the area, at the Packwood Senior Center, which is 4.5 miles south west of the site.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

Does not apply. Project doesn't include adding or eliminating parking spaces.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

None. Does not apply.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

h. Proposed measures to reduce or control transportation impacts, if any:

None. Does not apply.

15. Public Services [help]

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None. Does not apply.

16. Utilities [help]

a. Circle utilities currently available at the site:

Electricity, water, and telecom.

e. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

All utilities are already installed.

C. Signature [HELP]

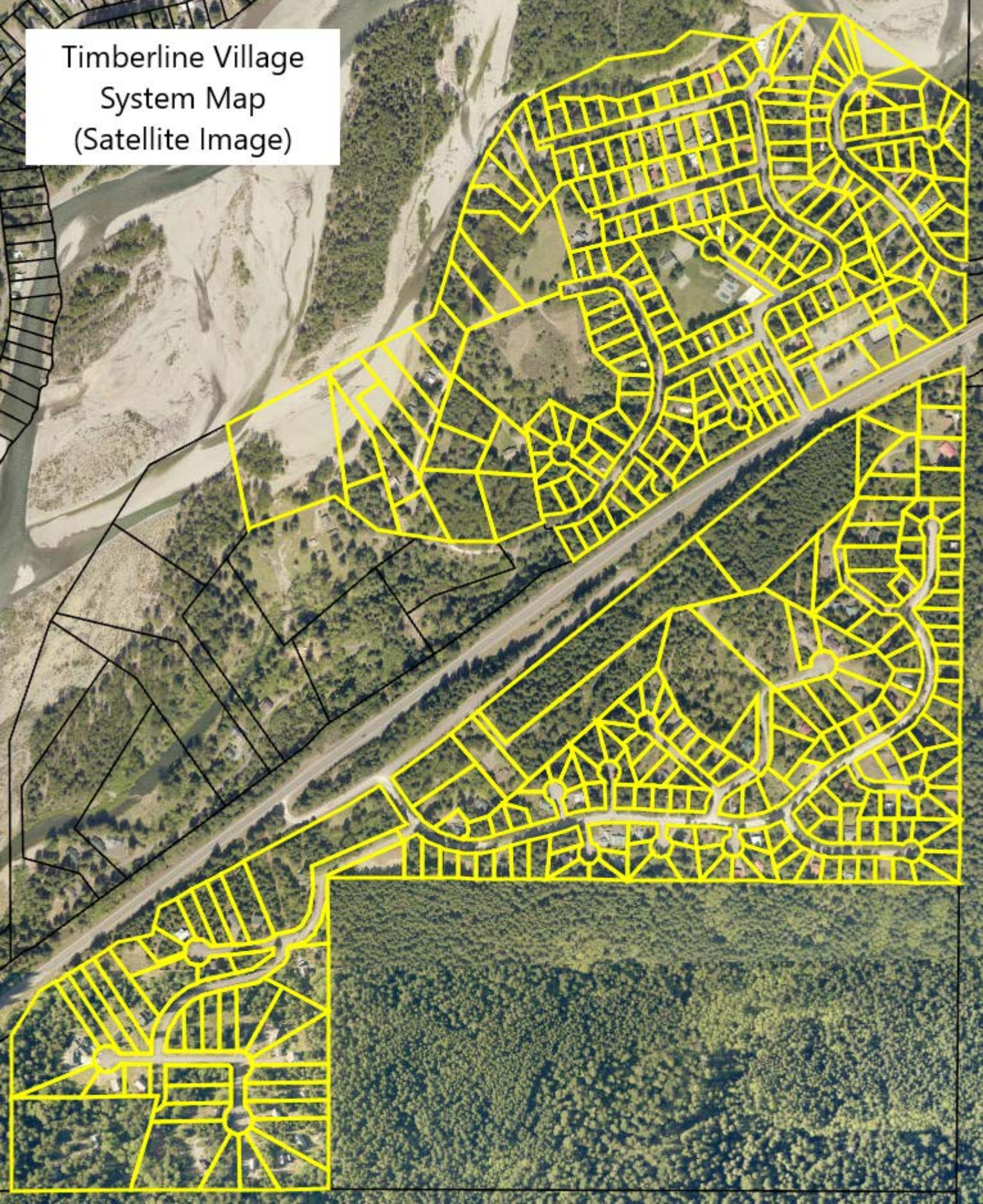
The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: Brian Wilson

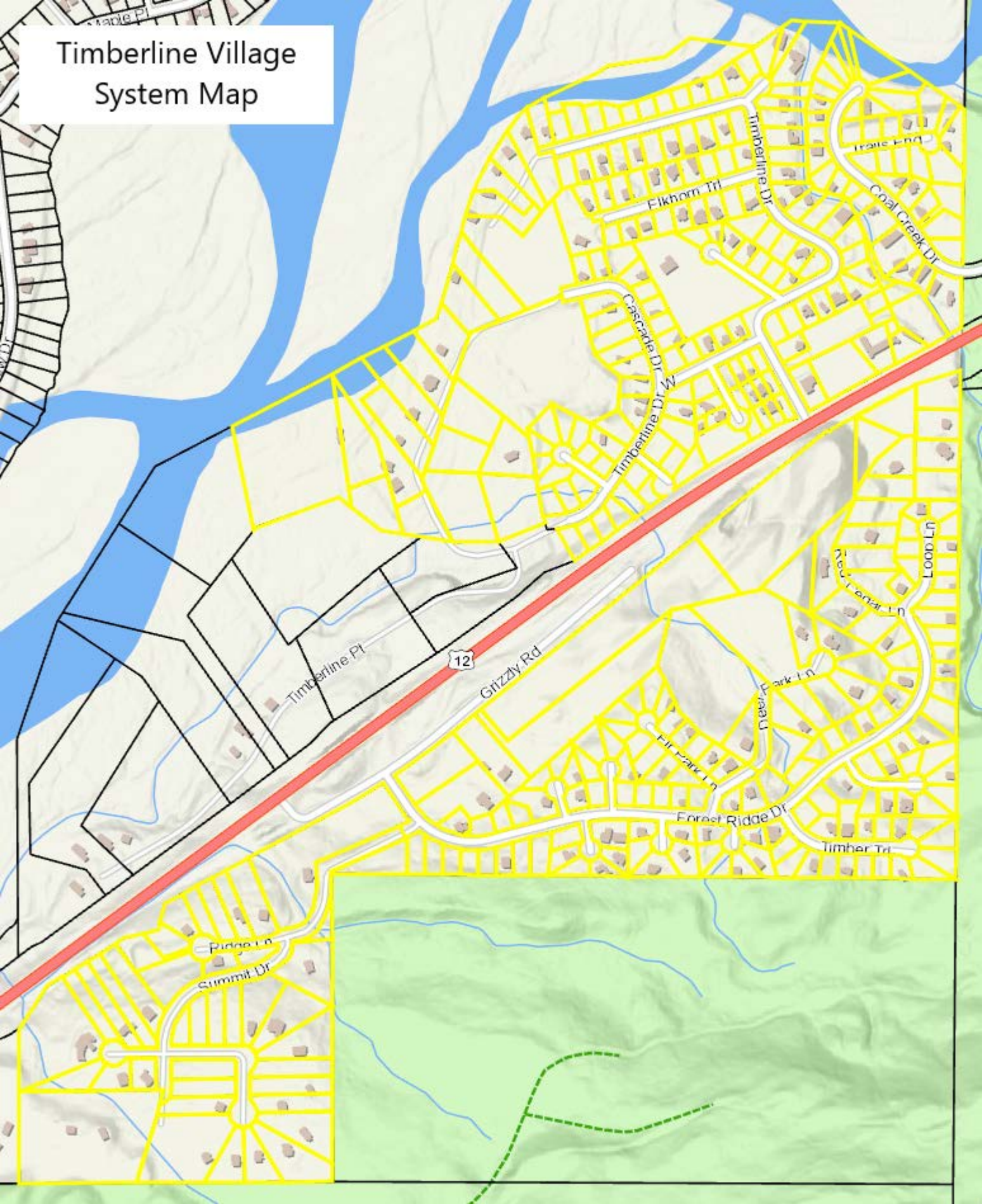
Name of signee: **Brian Wilson**

Position and Agency/Organization: **Operations Specialist II – Thurston PUD**

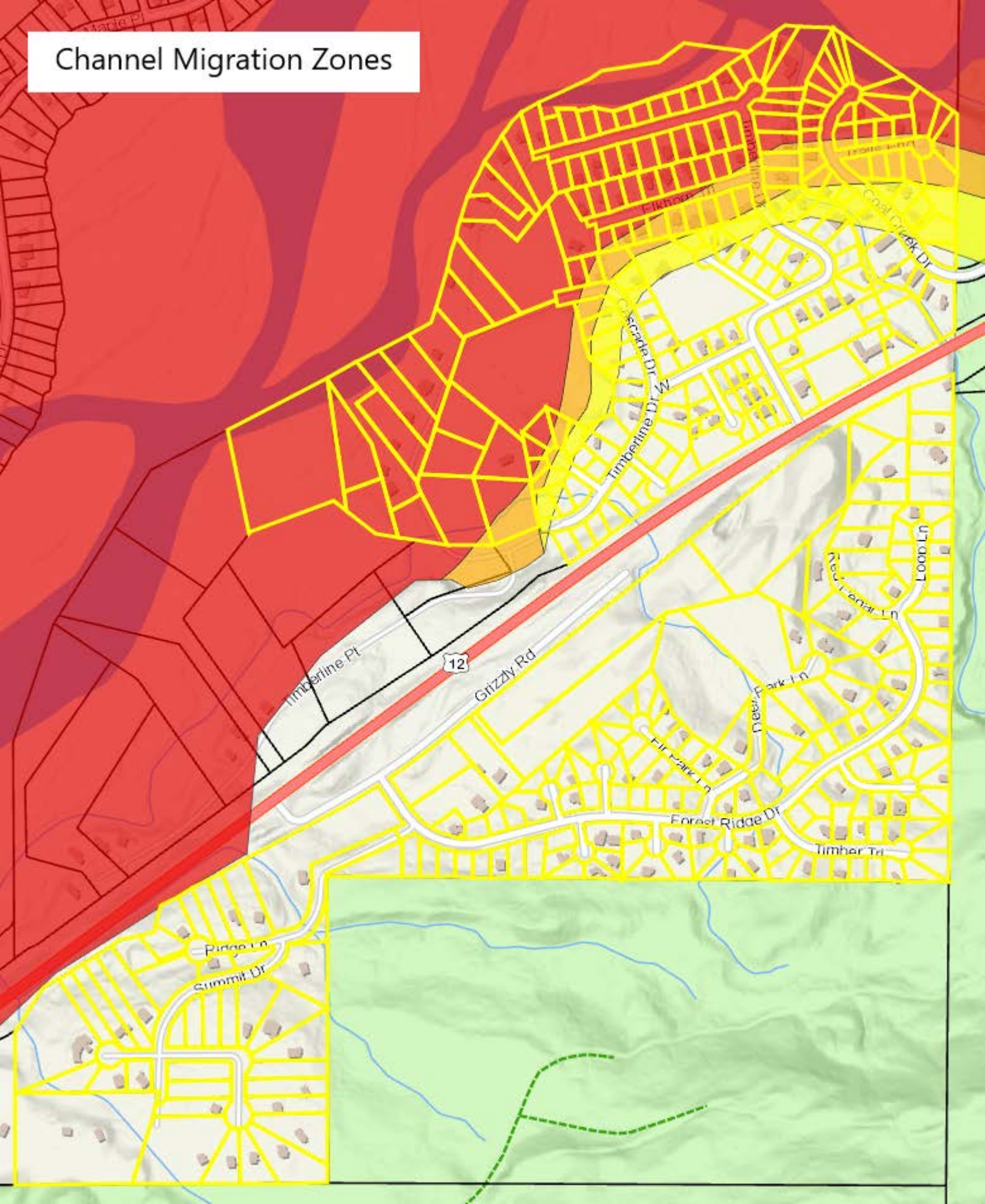
Date Submitted: **01/09/2020**


Timberline Village
System Map
(Satellite Image)

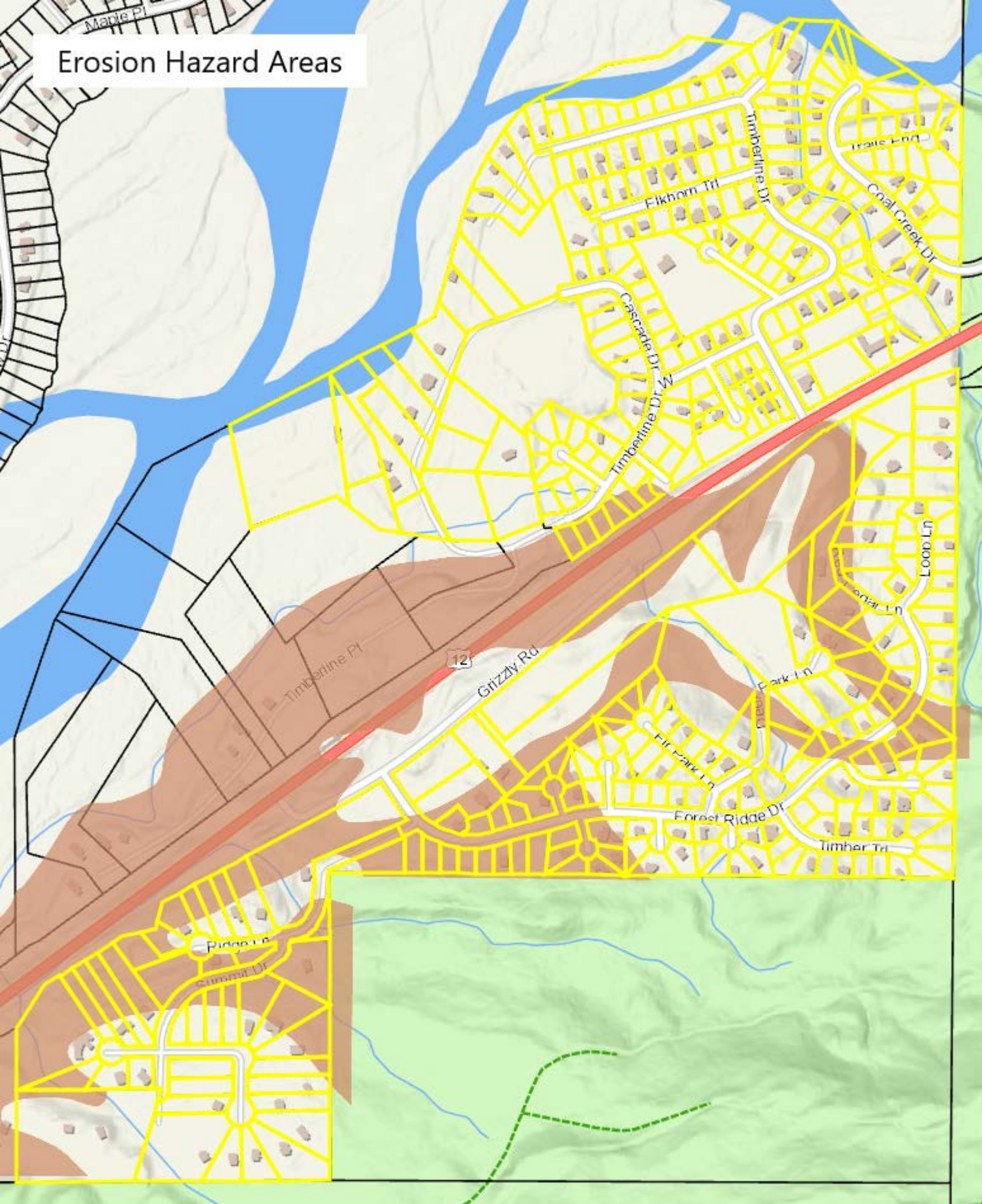
Timberline Village System Map

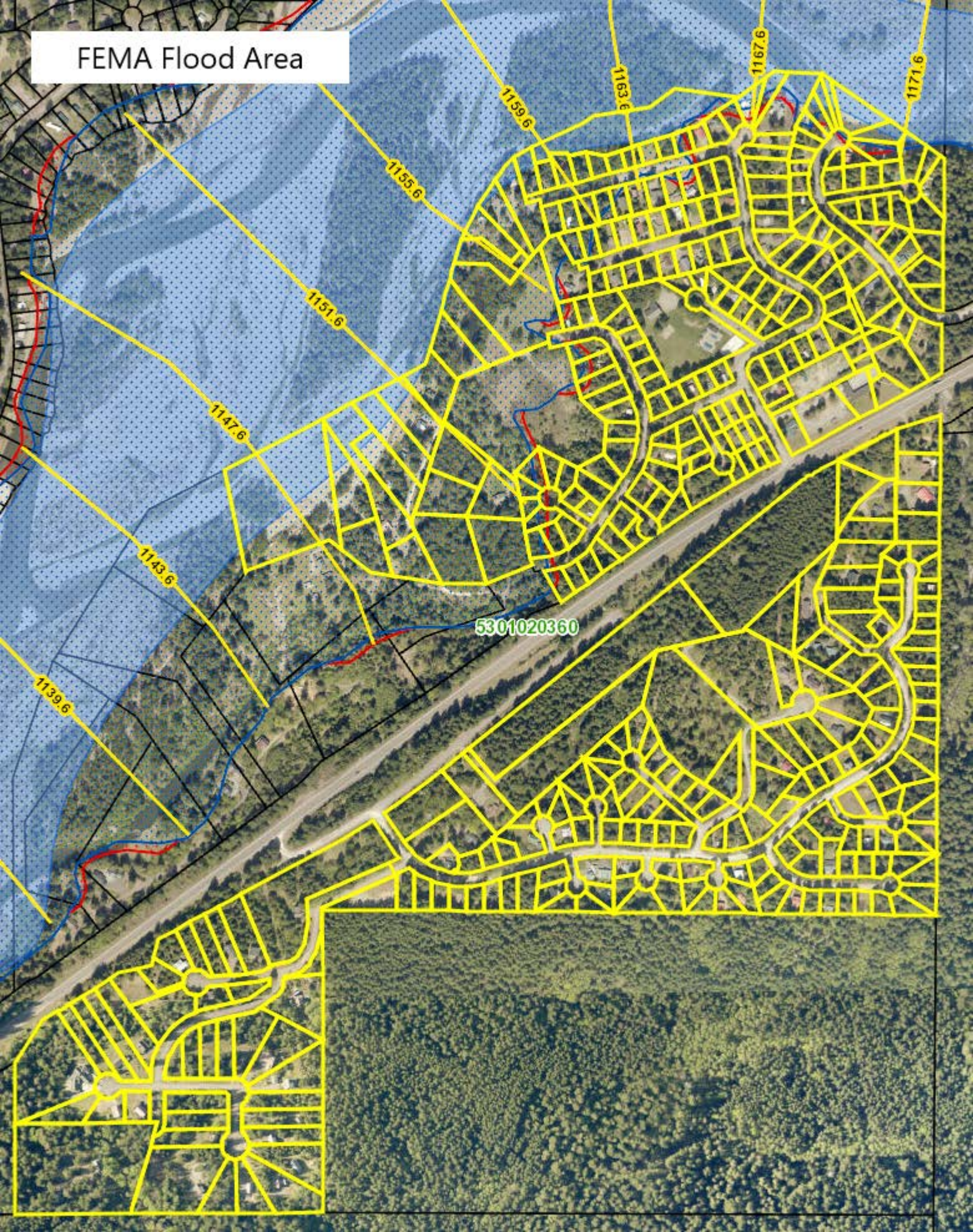


Channel Migration Zones



Erosion Hazard Areas




FEMA Flood Area
1159.6
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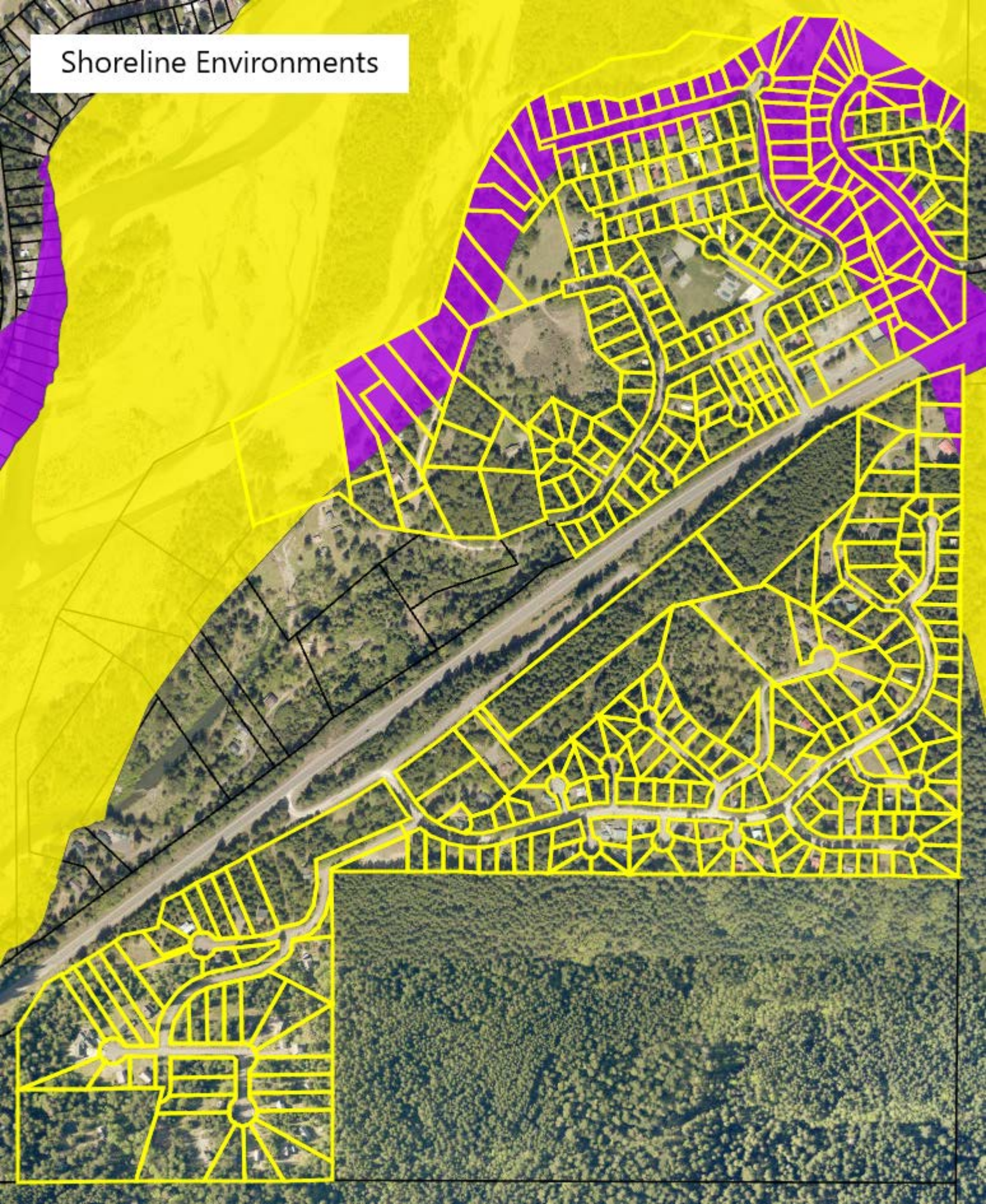
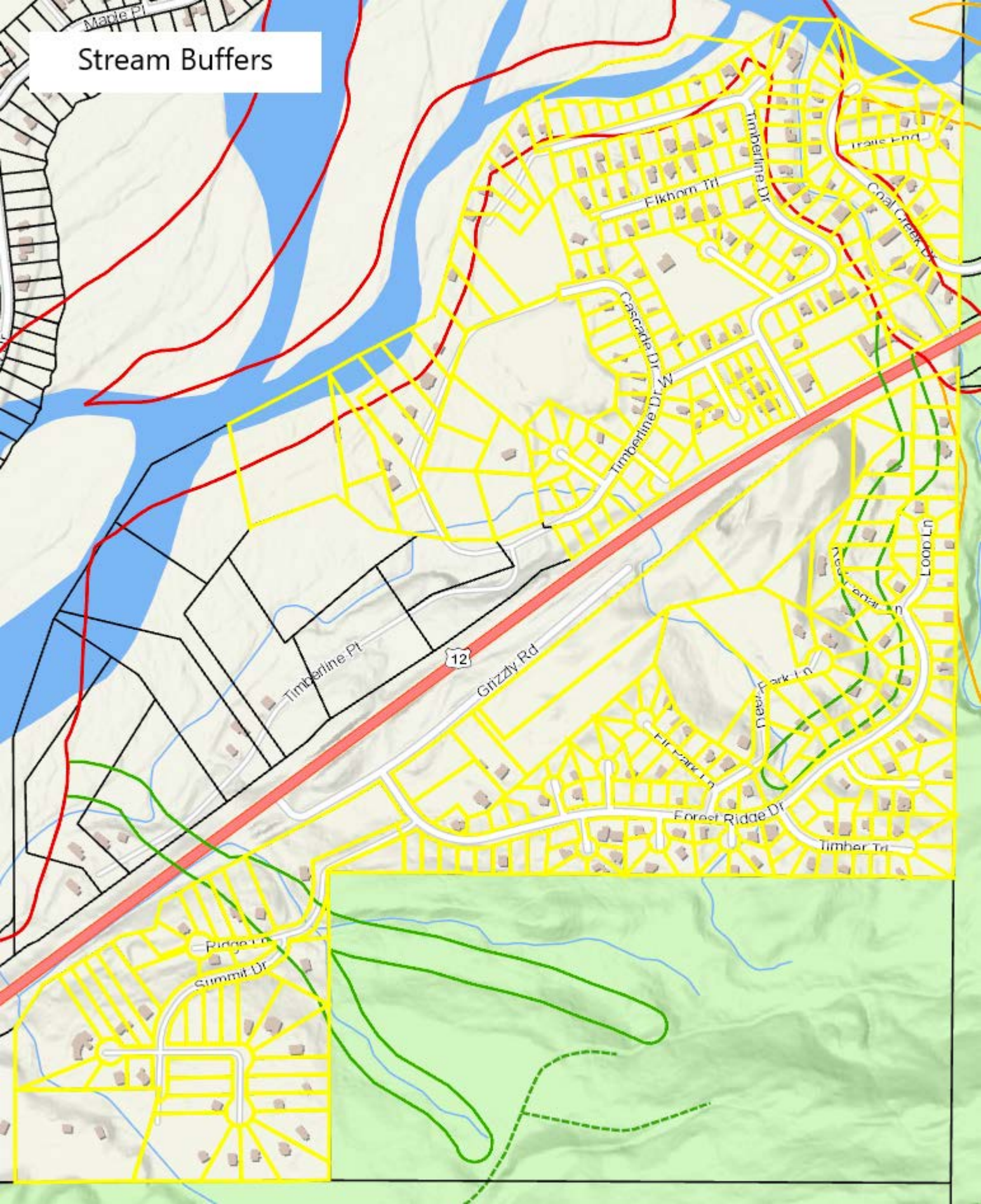
5301020360

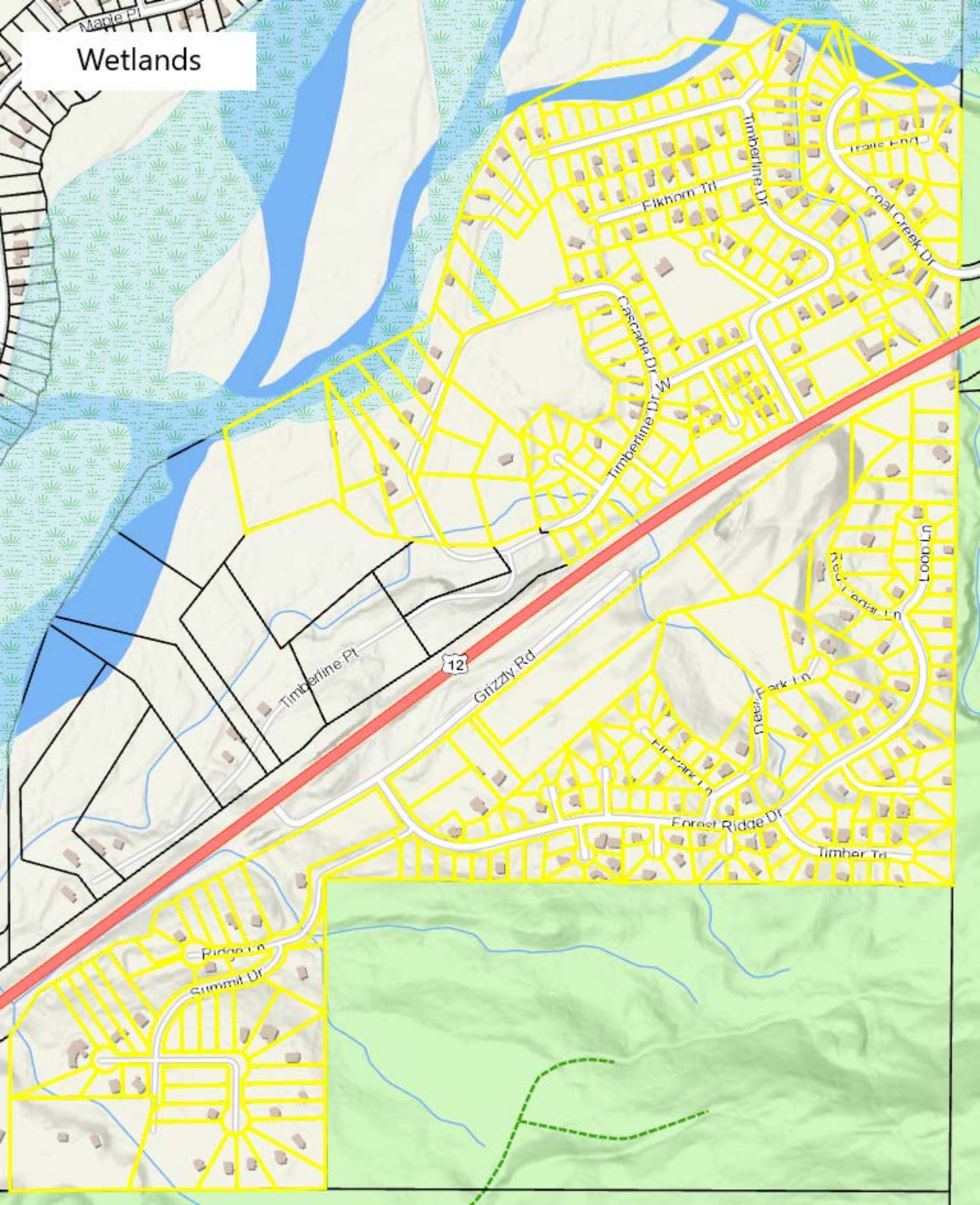
Shoreline Environments

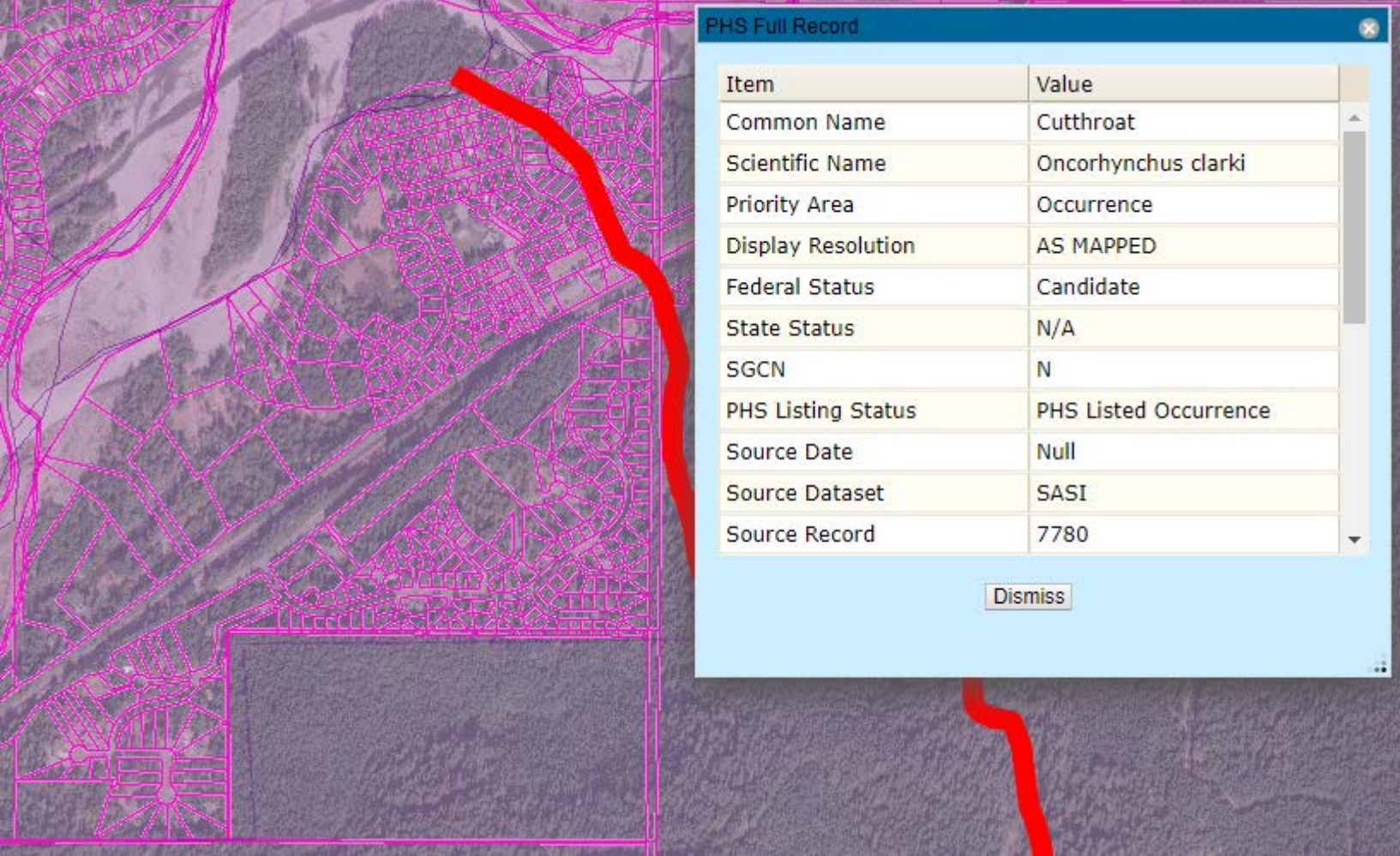


Stream Buffers



Wetlands


Maple Pl
Timberline Dr
Trails End
Elkhorn Trl
Coal Creek Dr
Cascade Dr
Timberline Dr W
Loop Ln
Timberline Pt
12
Grizzly Rd
Deer Park Ln
Fir Park Ln
Forest Ridge Dr
Timber Trl
Ridge Ln
Summit Dr



PHS Full Record

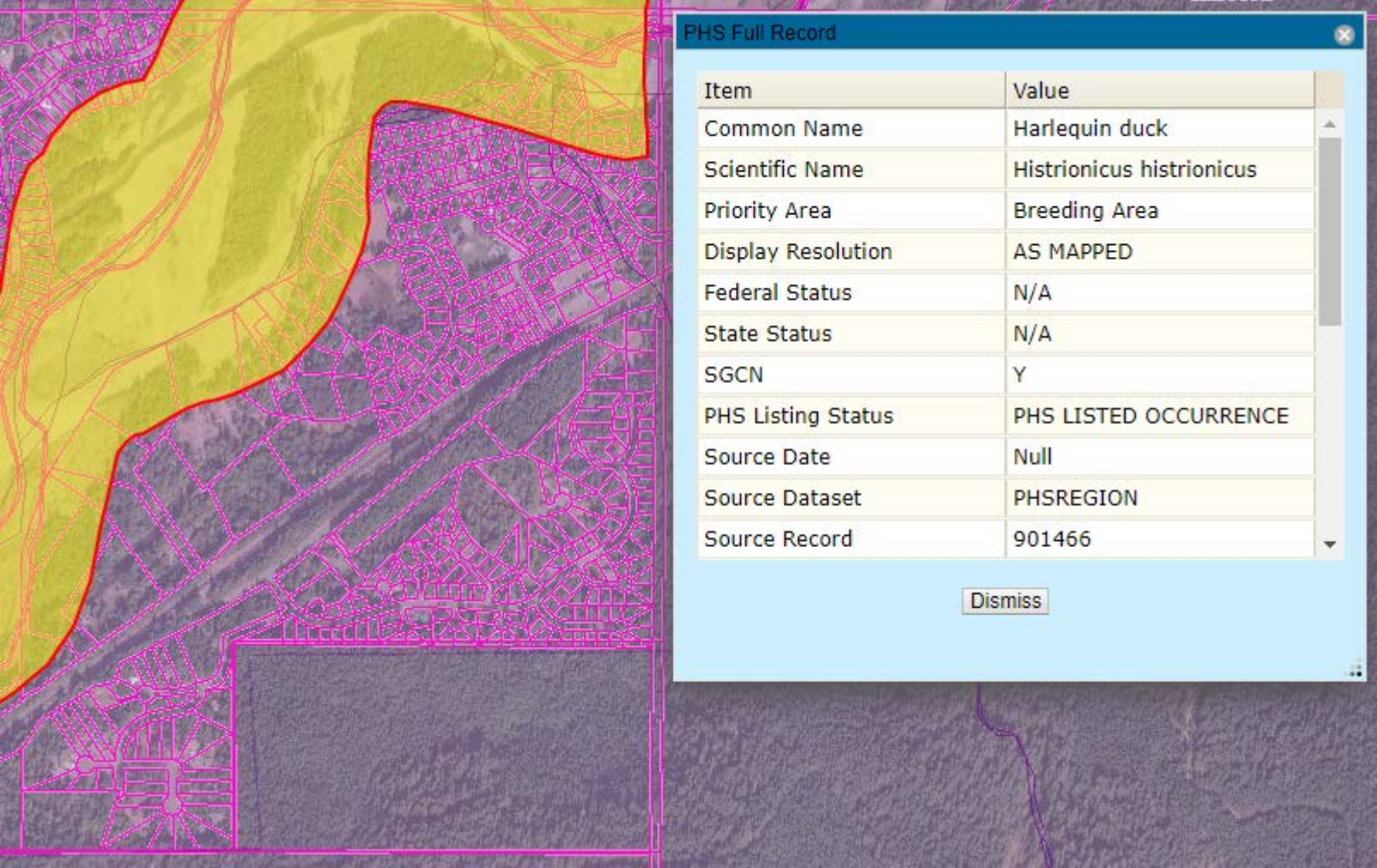
Item	Value
Common Name	Cutthroat
Scientific Name	Oncorhynchus clarki
Priority Area	Occurrence
Display Resolution	AS MAPPED
Federal Status	Candidate
State Status	N/A
SGCN	N
PHS Listing Status	PHS Listed Occurrence
Source Date	Null
Source Dataset	SASI
Source Record	7780

Dismiss

PHS Full Record

Item	Value
Common Name	Spring Chinook
Scientific Name	Oncorhynchus tshawytscha
Priority Area	Breeding Area
Display Resolution	AS MAPPED
Federal Status	N/A
State Status	N/A
SGCN	N
PHS Listing Status	PHS LISTED OCCURRENCE
Source Date	Null
Source Dataset	SWIFD
Source Record	14125

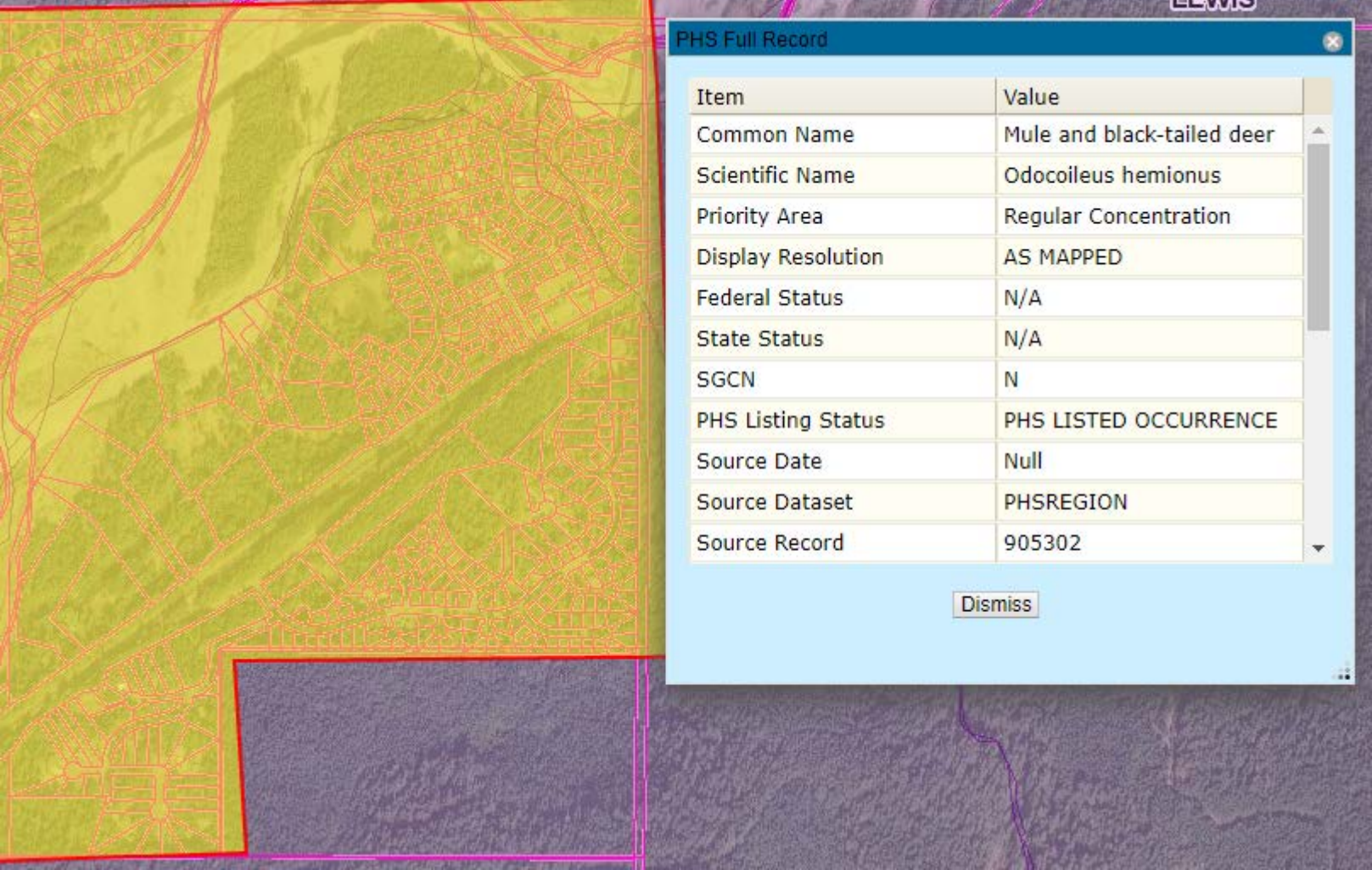
Dismiss



PHS Full Record

Item	Value
Common Name	Harlequin duck
Scientific Name	Histrionicus histrionicus
Priority Area	Breeding Area
Display Resolution	AS MAPPED
Federal Status	N/A
State Status	N/A
SGCN	Y
PHS Listing Status	PHS LISTED OCCURRENCE
Source Date	Null
Source Dataset	PHSREGION
Source Record	901466

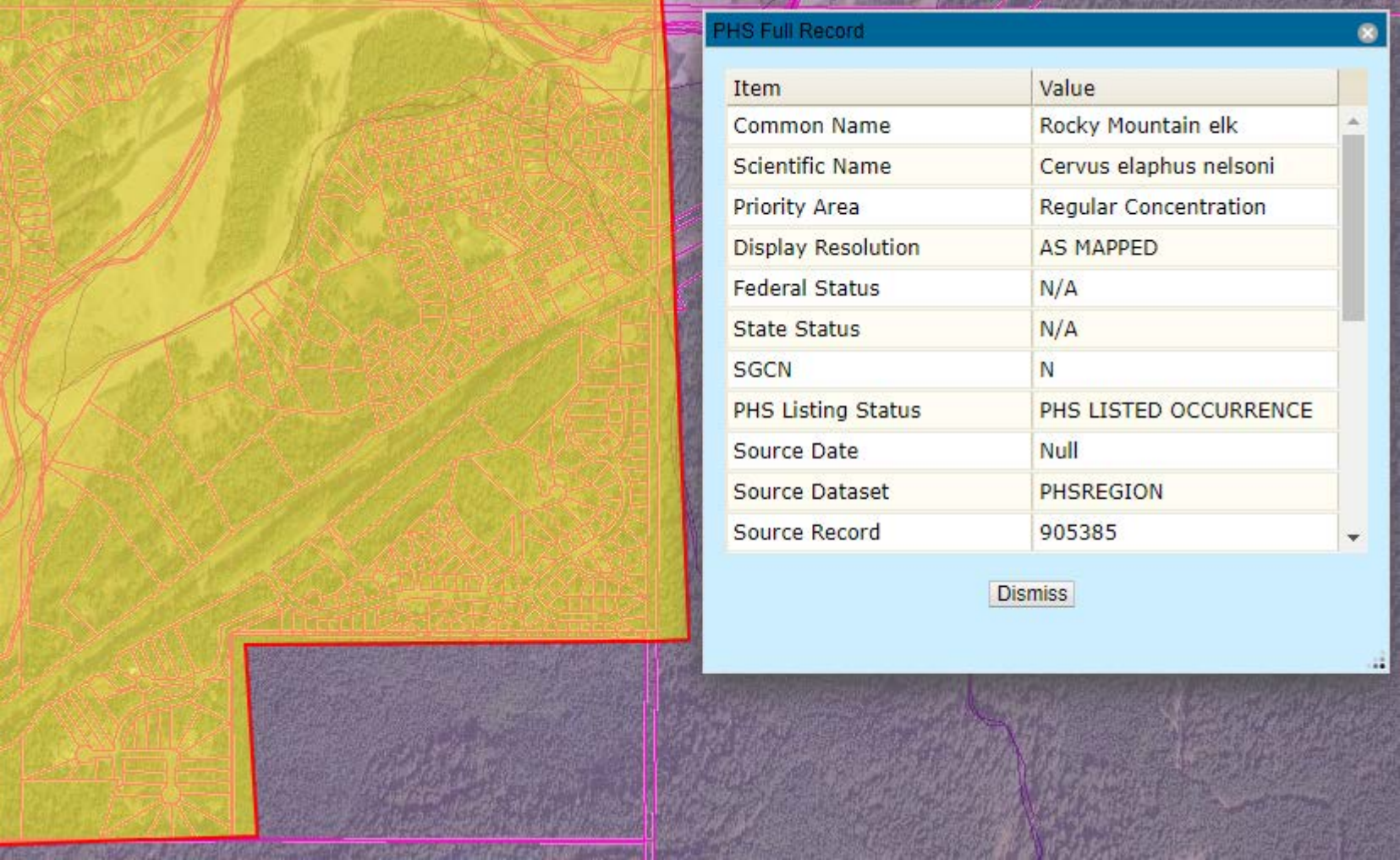
Dismiss



PHS Full Record

Item	Value
Common Name	Mule and black-tailed deer
Scientific Name	Odocoileus hemionus
Priority Area	Regular Concentration
Display Resolution	AS MAPPED
Federal Status	N/A
State Status	N/A
SGCN	N
PHS Listing Status	PHS LISTED OCCURRENCE
Source Date	Null
Source Dataset	PHSREGION
Source Record	905302

Dismiss



PHS Full Record

Item	Value
Common Name	Rocky Mountain elk
Scientific Name	Cervus elaphus nelsoni
Priority Area	Regular Concentration
Display Resolution	AS MAPPED
Federal Status	N/A
State Status	N/A
SGCN	N
PHS Listing Status	PHS LISTED OCCURRENCE
Source Date	Null
Source Dataset	PHSREGION
Source Record	905385

Dismiss