

Department of Natural Resources



Natural Climate Solutions Funding Update

Snohomish County Council

January 17, 2024

Duane Emmons



WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

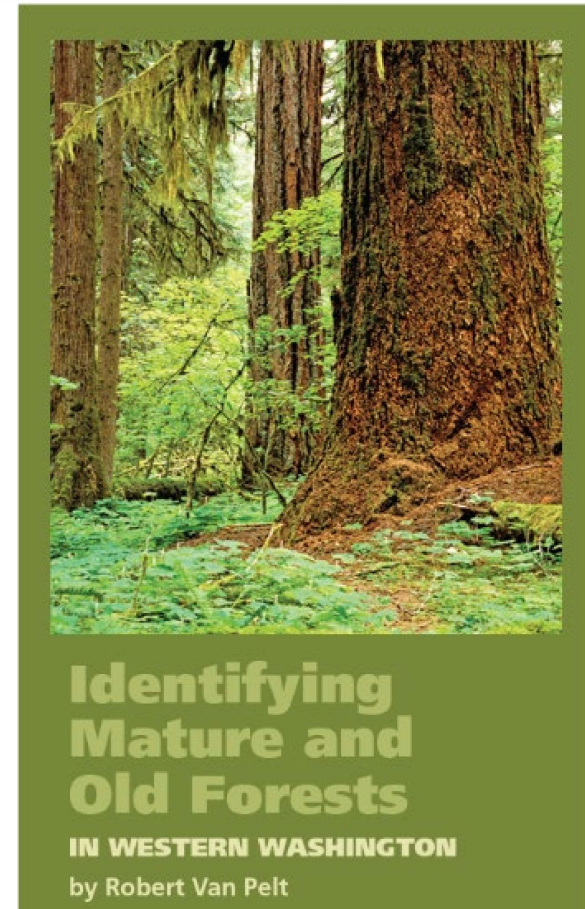
dnr.wa.gov

Identification of 2000 Acres

Status

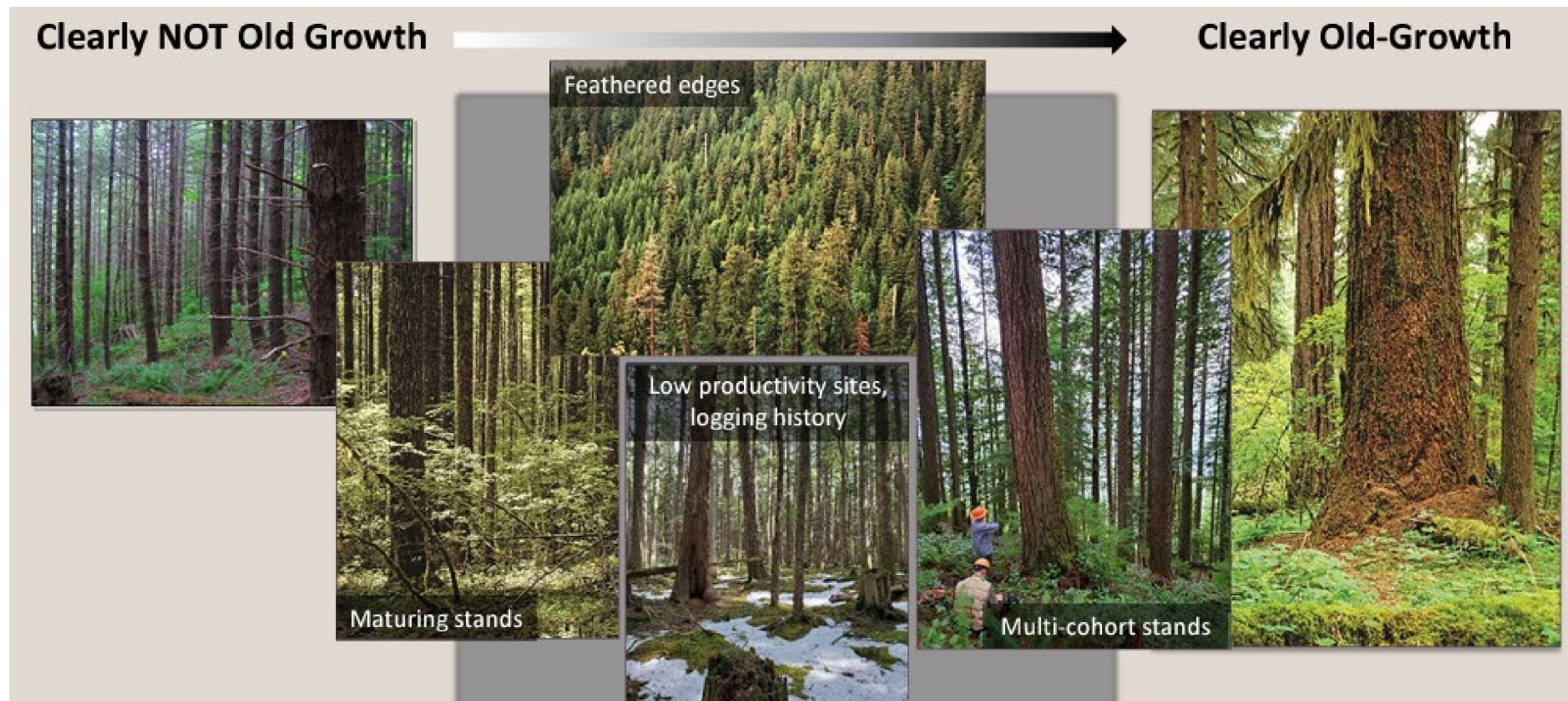
- Identification of 2000 acres
 - Utilizing Van Pelt’s guide definitions of Maturation 1 and Maturation 2 to help identify “carbon dense, structurally complex” forests.
 - Seeking to conserve areas adjacent to existing habitat, in areas to improve connectivity, and to avoid isolated small fragments scattered across ownership.
- County Concurrence

Discussing the process of identification, land transaction process, and nature of federal and state forest transfer trusts with counties



Funding for Land Acquisitions

Selections based on science to ensure durable carbon storage over time



Identification of 2000 Acres

Methodology

A stand must have at least 60 metric tons per acre of live carbon and meet one or more of the following criteria:

- At least 1.8 modeled canopy layers
- A Quadratic Mean Diameter* of at least 17 inches for the largest 100 trees
- At least 12 trees per acre that are in the 30 inch diameter class or larger

*The quadratic mean gives greater weight to larger trees and is equal to or greater than the arithmetic mean.

In stands with small diameters and a narrow range of diameters, the differences are slight. In stands with large diameters and a wide range of diameters present or with strongly skewed diameter distributions, the differences between arithmetic mean and quadratic mean diameters can be substantial.



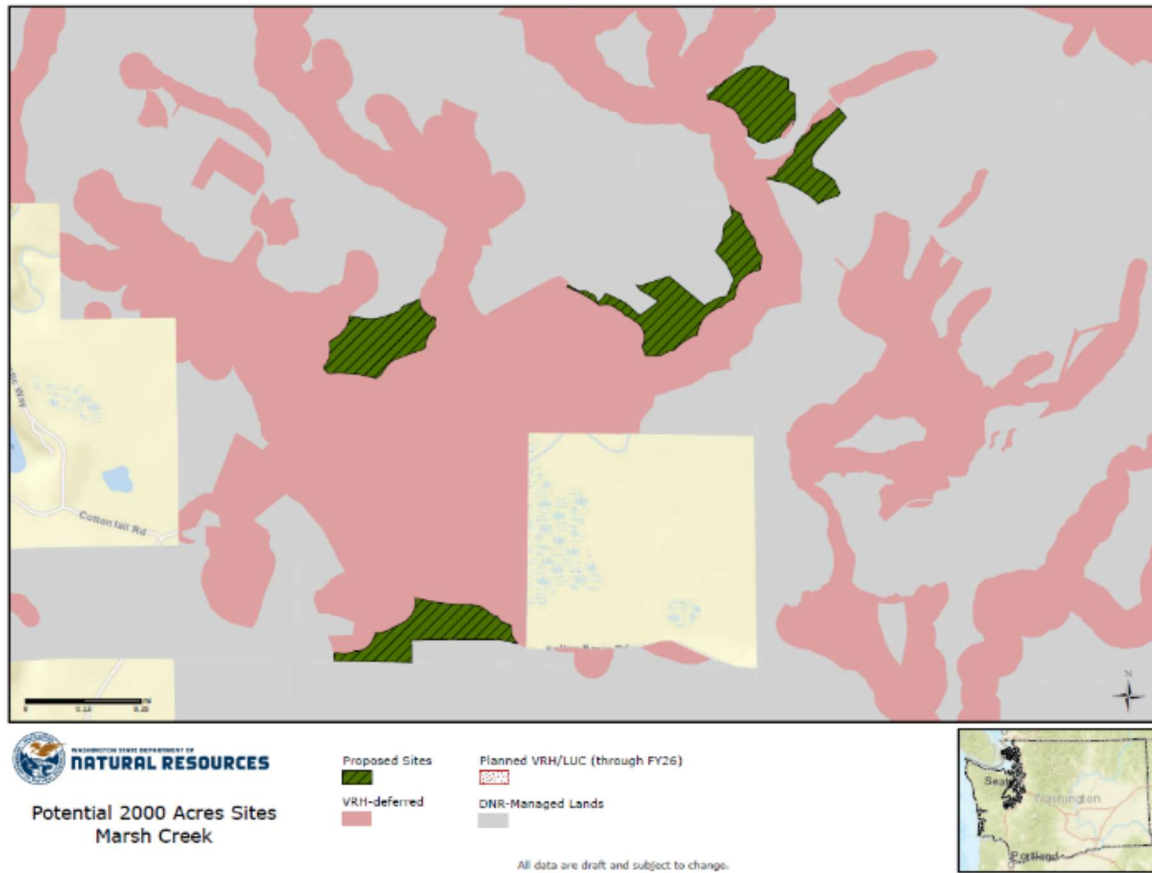
Snohomish County



Marsh Creek

Trusts	Acres
State Forest Transfer	46
Common School and Indemnity	18
Agricultural School	5
Grand Total	68

Snohomish County

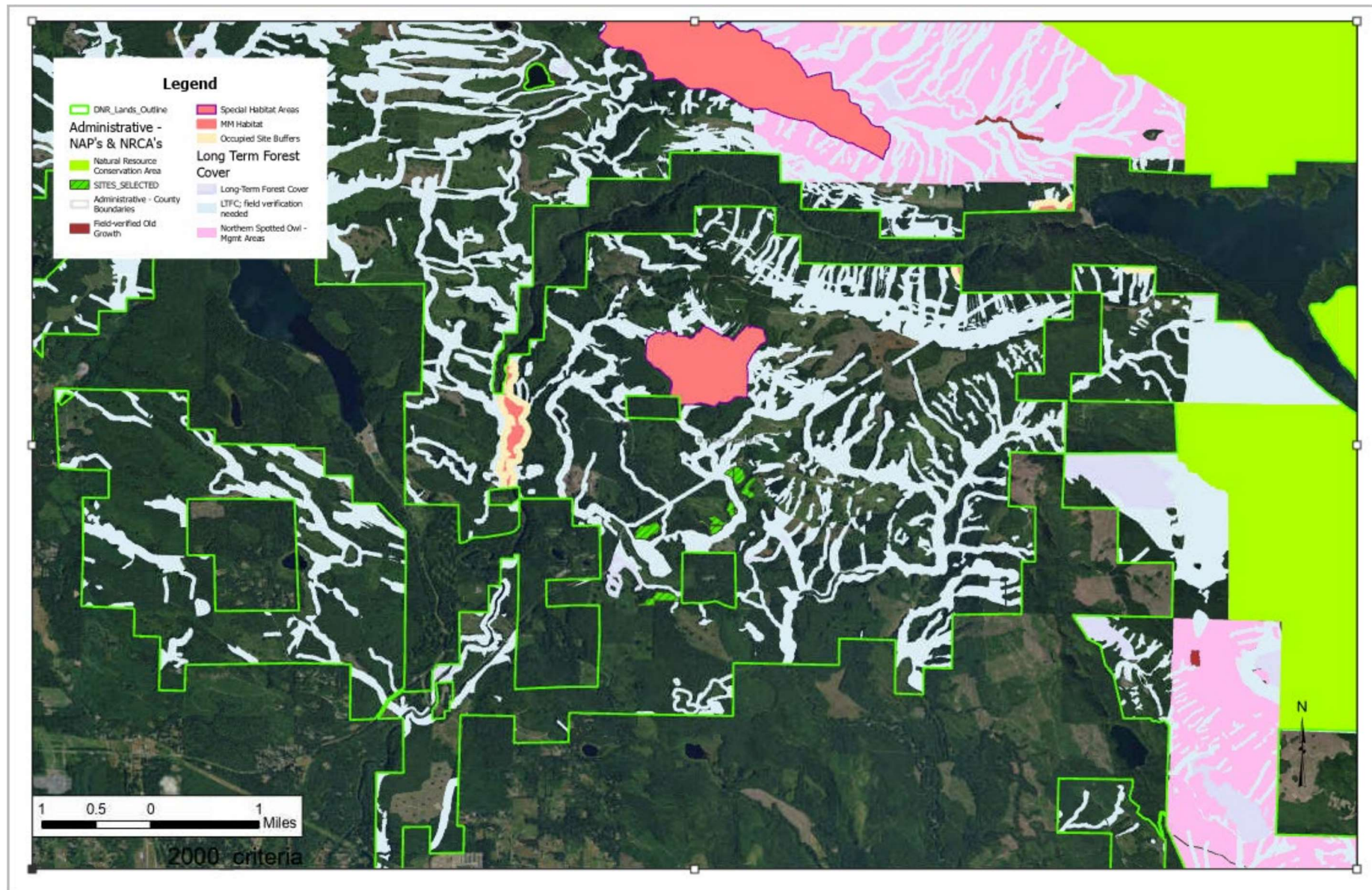


Co-benefits

Buffers rare and sensitive wetland complex.

Washington Natural Heritage Council identified area as high priority for conservation

Avoids short-term impact to beneficiaries at the request of the county council



Marsh Creek



Condition

Although the immediate buffer and overall landscape has had, and continues to have, significant timber harvest activity, the wetland complex is in good ecological condition. Species composition and structure are at or near conditions expected with no human-induced disturbances.

Most low elevation wetlands in western Washington, especially marshes and shrubs swamps, are at least partially dominated by aggressive nonnative species such as *Phalaris arundinacea* and *Iris pseudacorus* and aggressive native species such as *Typha latifolia* and *Spiraea douglasii* (Rocchio and Crawford 2014).

Next Steps

County Concurrence

Letters have been sent to each county with a request for concurrence by January 31st

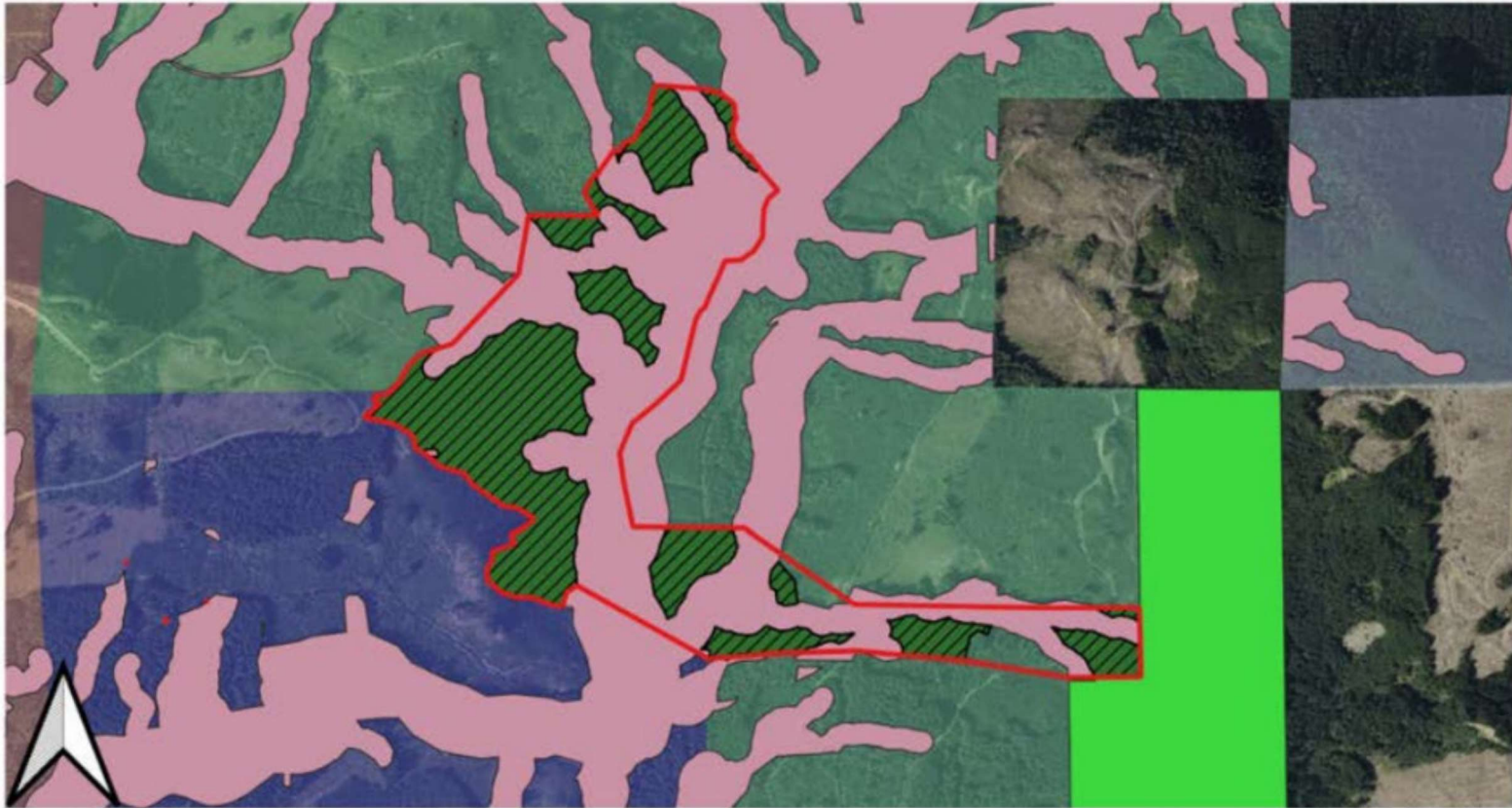
Land Transfers

Land transfers will occur as lands are acquired for each trust.

Transfers must be appraised for full fair market value.

Acquisitions and transfers will each be presented to the board for approval



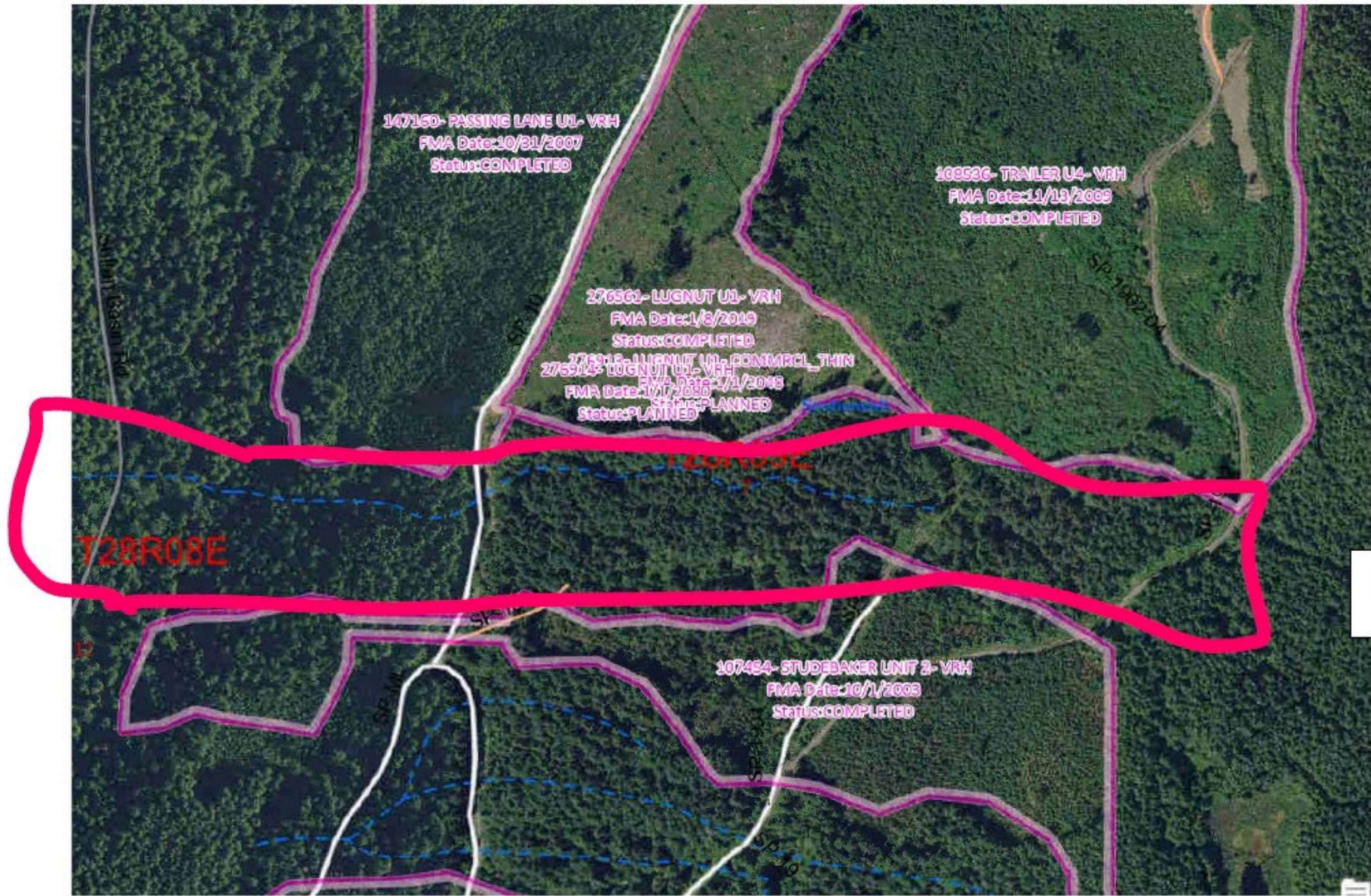


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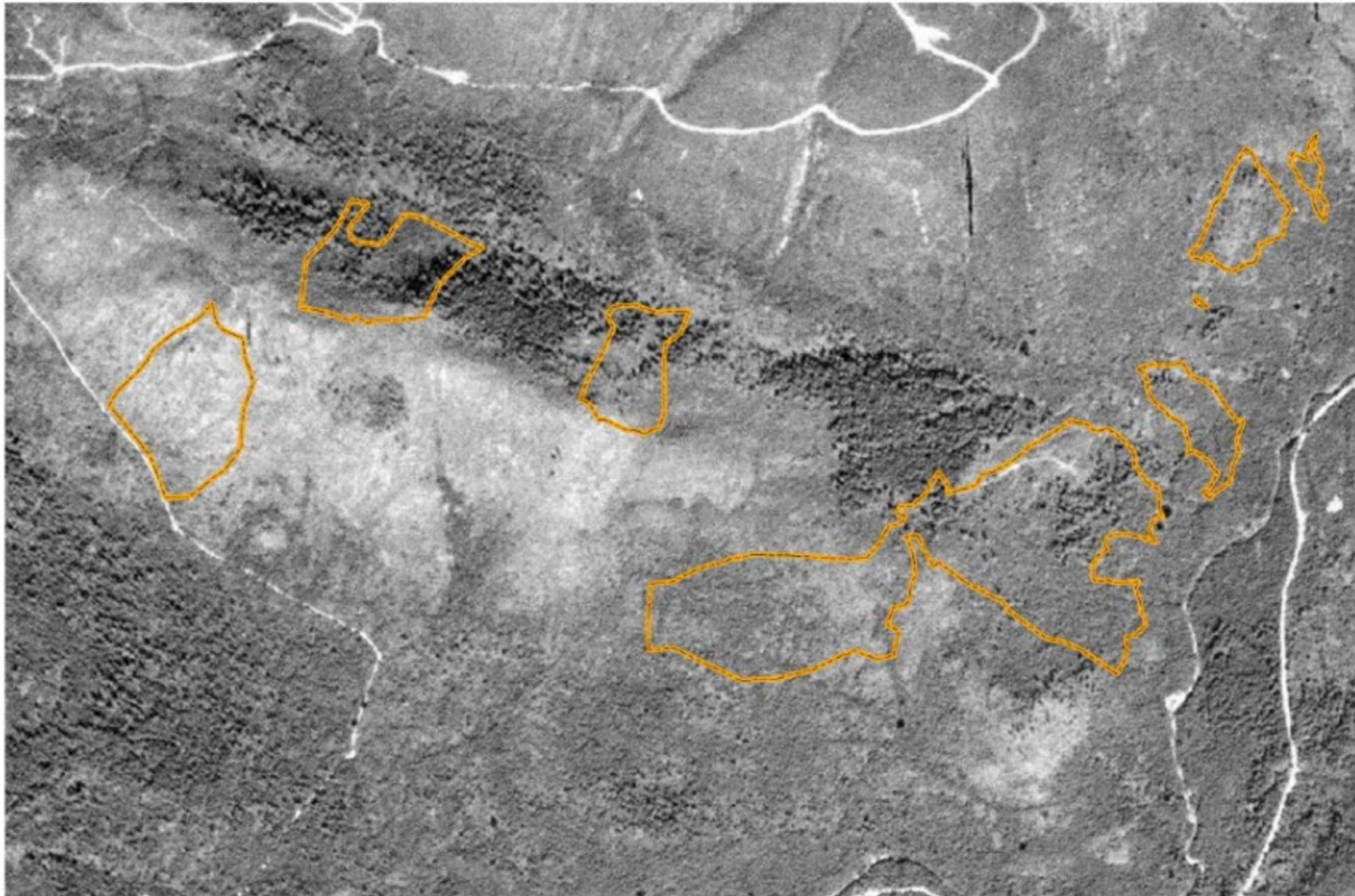
Snohomish County
Olney Creek
Proposed Forest Transfer

- | | |
|---------------------------------|------------------------------|
| Olney Creek Proposed Boundary | Wallace Falls State Park |
| Proposed Sites | Trust Beneficiaries |
| Structural Maturity (110 acres) | Capitol Grant |
| Riparian Management Zones | Charitable/Educational/Penal |



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Olney Creek Parcel



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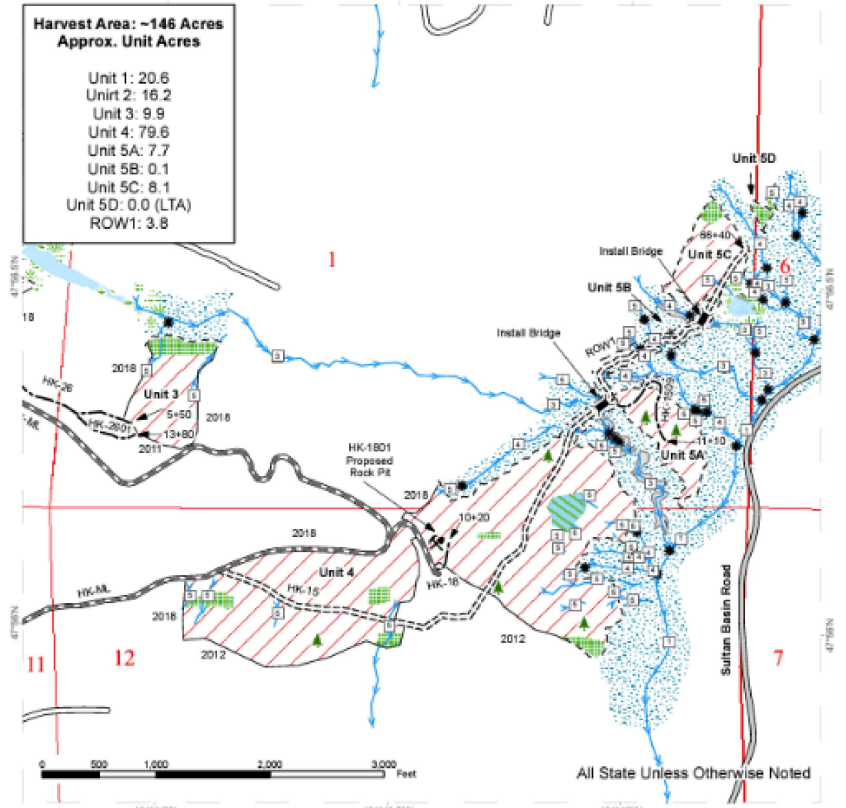
TIMBER SALE MAP

SALE NAME: RIDGE ENDER SORTS
 AGREEMENT #: 30-104444
 TOWNSHIP(S): T26R8E, T26R9E
 TRUST(S): Capitol Grant (7), Charitable/Educational/Penal & Reformatory Inst. (6), Common School and Indemnity (3)

REGION: Northwest Region
 COUNTY(S): Snohomish
 ELEVATION RGE: 1040-2080

Harvest Area: ~146 Acres
Approx. Unit Acres

Unit 1: 20.6
 Unit 2: 16.2
 Unit 3: 9.9
 Unit 4: 79.6
 Unit 5A: 7.7
 Unit 5B: 0.1
 Unit 5C: 8.1
 Unit 5D: 0.0 (LTA)
 ROW1: 3.8



All State Unless Otherwise Noted

Variable Retention Harvest	Leave Tree Area <1/4-acre	Wetland Mgt Zone
County Road	Rock Pit	Stream Type 1
Existing Roads	No Entry Zone	Stream Type 3
Required Pre-Haul Maintenance	Wetlands - Non-forested	Stream Type 4
Required Construction	Non-Tradeable Leave Clump	Stream Type 5
Optional Construction	Leave Tree Area	Stream Break
Streams	Riparian Mgt Zone	
Bridge	Forested Wetland, 2024	

Prepared By: hbl490





Modification Date: hbl490 10/26/2023







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Snohomish County
Grant Creek
Proposed Forest Transfer

-  Proposed Sites
-  Grant Creek Proposed Boundary
-  Structural Maturity (92 acres)
-  Riparian Management Zone

- Trust Beneficiaries
-  Agricultural School (WSU)
 -  Common School and Indemnity
 -  State Forest Board Purchase
 -  State Forest Board Transfer

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**Snohomish County
Grant Creek
Proposed Forest Transfer**

- | | |
|--------------------------------|-----------------------------|
| Proposed Sites | Agricultural School (WSU) |
| Grant Creek Proposed Boundary | Common School and Indemnity |
| Structural Maturity (92 acres) | State Forest Board Purchase |
| Riparian Management Zone | State Forest Board Transfer |

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