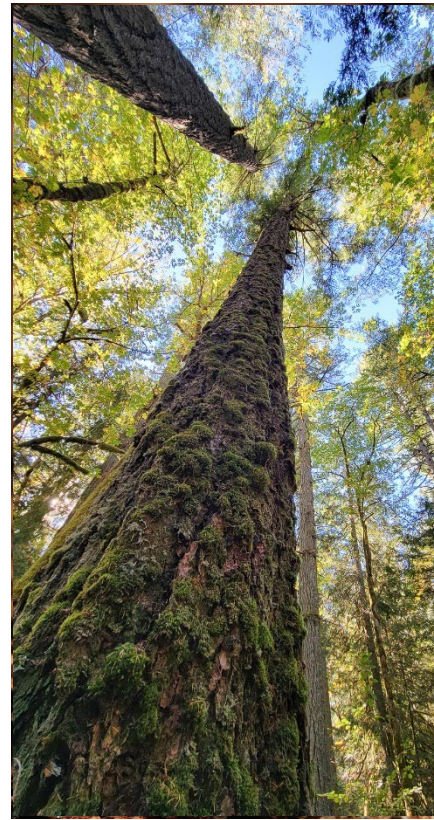
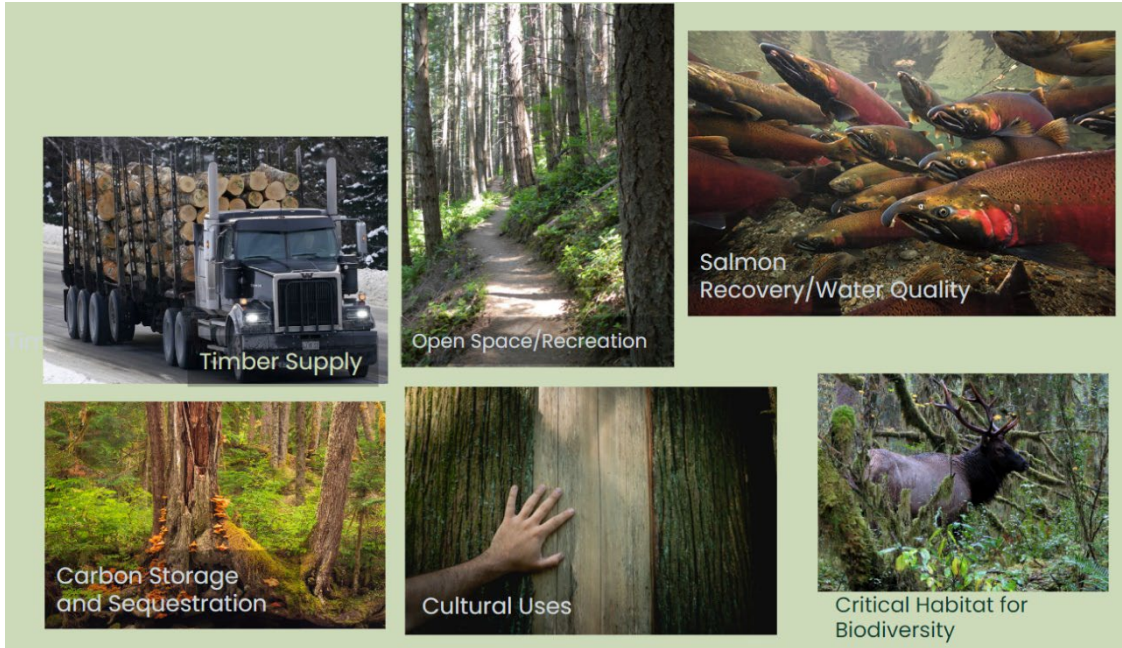


DNR Natural Climate Solutions Program- Opportunities in Clallam County

Dr. Catharine Copass



Forests can and do serve multiple purposes...



DNR's expanding toolbox

- Expanded Co-Management
- Carbon Project
- Trust Land Transfer
- Natural Climate Solutions

Natural Climate Solutions Proviso

- \$70,000,00 for purchase of replacement trust lands/exchange for encumbered lands
- 2,000 acres of structurally complex, carbon dense forestlands
- Prior to the transfer, the replacement lands must be identified, and the County must provide its concurrence



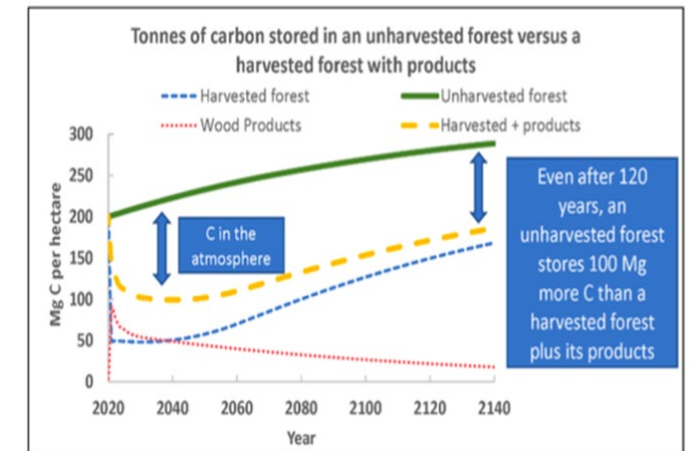
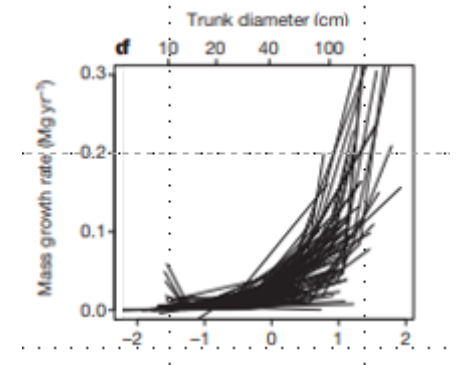
Natural Climate Solutions - Opportunity For County

- Replacement lands are of equal *value*
 - *Additional acres for beneficiary*
 - *Long term benefits*
- Reduces conversion risk
- Conservation benefits



Why Structurally Complex, Carbon Dense Forests Matter:


- Mature forests store AND sequester more carbon¹
 - Tree carbon accumulation increases with tree size
 - Net C storage rates at ecosystem level increase in spite of stand scale saturation
- Accurate accounting shows us that ecosystem carbon loss at time of harvest is not matched through “storage” in harvested wood products²
- Mature forests provide a wealth of other ecosystem services
 - Water, habitat, micro-climate, above and below ground biodiversity, cultural use



1 Stephenson, N. L., Das, A. J., Condit, R., Russo, S. E., Baker, P. J., Beckman, N. G., et al. (2014). [Rate of tree carbon accumulation increases continuously with tree size](#). *Nature* 507, 90–93. doi: 10.1038/nature12914

2 Law B.E, Moomaw, M., Hudburg, T.W, Schlesinger W.H, Stermann. J.D. and Woodwell, G.M (2022). [Creating Strategic Reserves to Protect Forest Carbon and Reduce Biodiversity Losses in the United States](#). *Land* 11(5).721

Definition: Structurally Complex, Carbon Dense Forests



**Identifying
Mature and
Old Forests**
IN WESTERN WASHINGTON
by Robert Van Pelt

WASHINGTON STATE DEPARTMENT OF
Natural Resources
Doug Sutherland - Commissioner of Public Lands



After Clearcutting

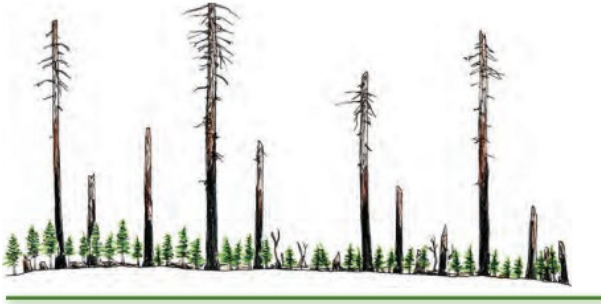


Figure 25
Maturation I: Pre-Euro-American settlement



Figure 27
Maturation II: Pre-Euro-American settlement



Definition: Structurally Complex, Carbon Dense Forests = Maturation 1

- Large Trees
 - Dominant cohort trees at 60-70% of their potential height and >20" dbh
 - Some dominant trees > 30" dbh
- Canopy diversity
 - Range of heights, diameters and species
- Understory diversity
 - Understory recruitment
 - Understory complexity

Figure 25

Maturation I: Pre-Euro-American settlement



Structurally Complex Forests:

- Large Trees
- Canopy diversity
 - Range of heights, diameters and species
- Understory diversity
- Ecosystem legacies
 - Snags, large downed wood



Clallam Operable Mature Forest by Trust

Total Acres of DNR Managed Land by Trust	
DNR Timber Trust Type	Acres
Agricultural School	4,113
Capitol Grant	25,737
Common School and Indemnity	33,299
Escheat	90
Natural Resources Conservation Area	491
Normal School	3,657
Scientific School	607
State Forest Purchase	242
State Forest Transfer	93,068
University - Transferred	421
Grand Total	161,725


Operable Mature Forest Patches by Trust Type	
DNR Trust Type	Acres
Agricultural School	138
Capitol Grant	2,076
Common School and Indemnity	2,877
Normal School	54
Scientific School	49
State Forest Purchase	8
State Forest Transfer	4,747
University - Transferred	39
Grand Total	10,134

Summer 2023 Surveys

Timber Sale	Auction Date
POWER PLANT U1-U5	2023
TCB23	2023
BREAD AND BUTTER	2024
DUNGENESS AND DRAGON	2024
ALLEY CAT	2024
DOC HOLIDAY	2024
PISTOL PETE	2024
PARCHED	2024
PANTS ON FYRE	2024
SALT AND PEPPER	2024
TREE WELL	2024
CHICKEN STICKS	2025
TIGER STRIPES	2025
SHORE THING U1-U4	2028
BIRDS EYE VIEW	2028



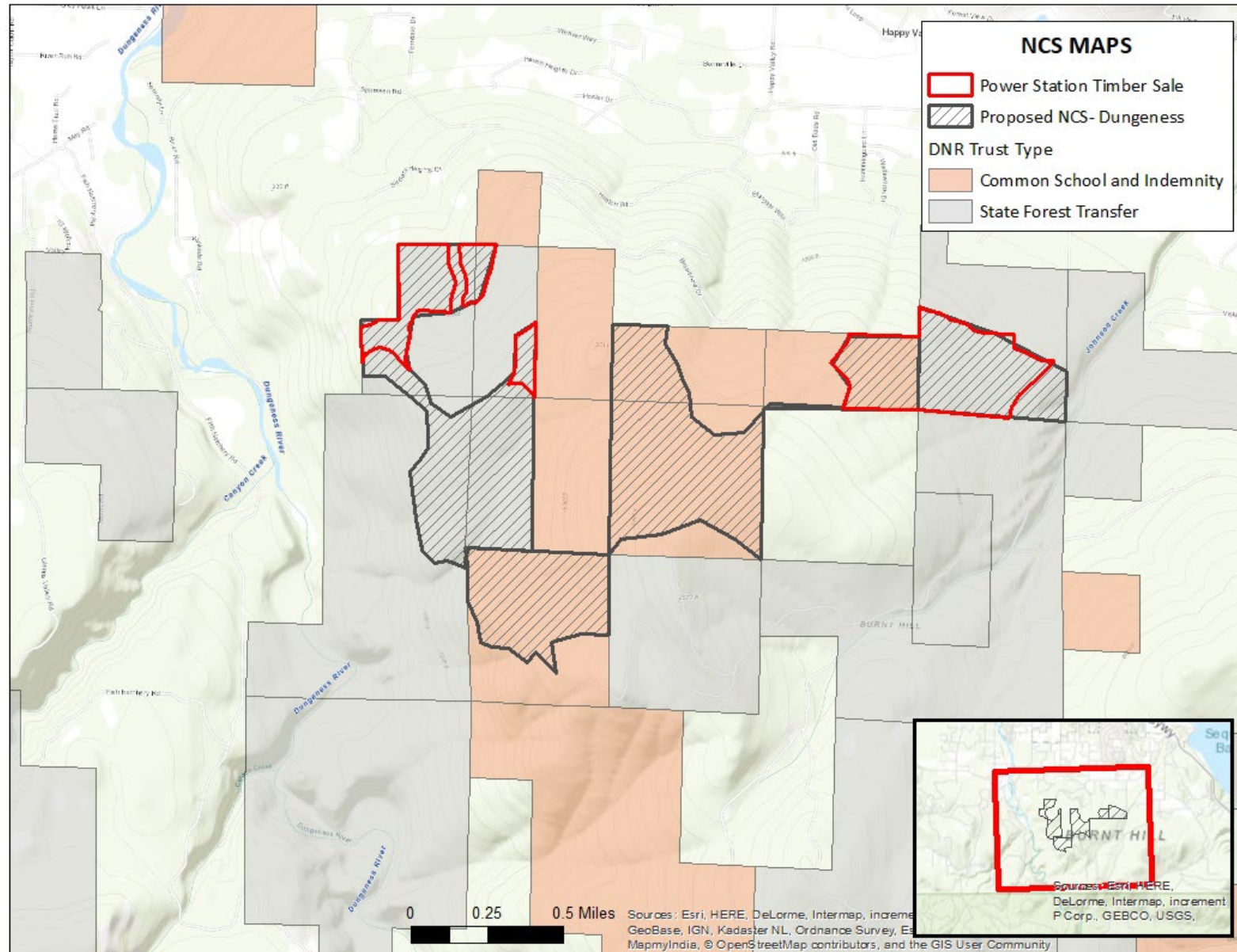
Clallam County |
Mature Forests on State Land
 Natural Climate Solutions Recommendations for the Board of Commissioners
 Compiled by the Center for Responsible Forestry, October 2023



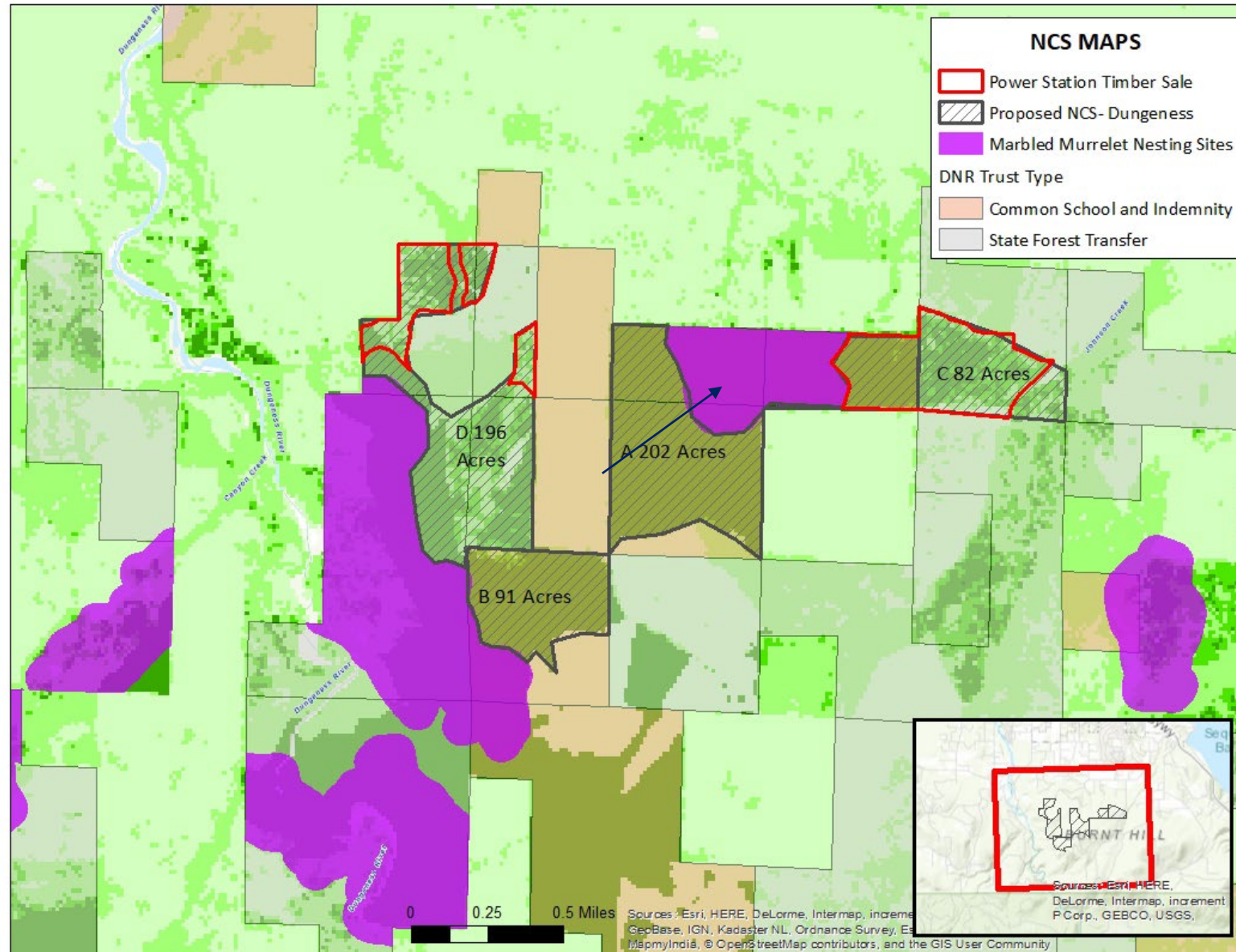
Mature forests in Western Washington are rapidly disappearing, as the Department of Natural Resources (DNR) auctions them off on a monthly basis to the highest bidding timber company. The Center for Responsible Forestry (CRF) advocates for the creation of a new mature forest conservation policy on lands managed by DNR and works with counties to participate in current conservation programs. This report is a work in progress. Our goal is to provide the most up to date information on planned DNR timber sales and current management practices, but this is subject to change as DNR frequently modifies future harvest plans.

For more information, contact olympic@crf.org
Photos by forest2sea.com

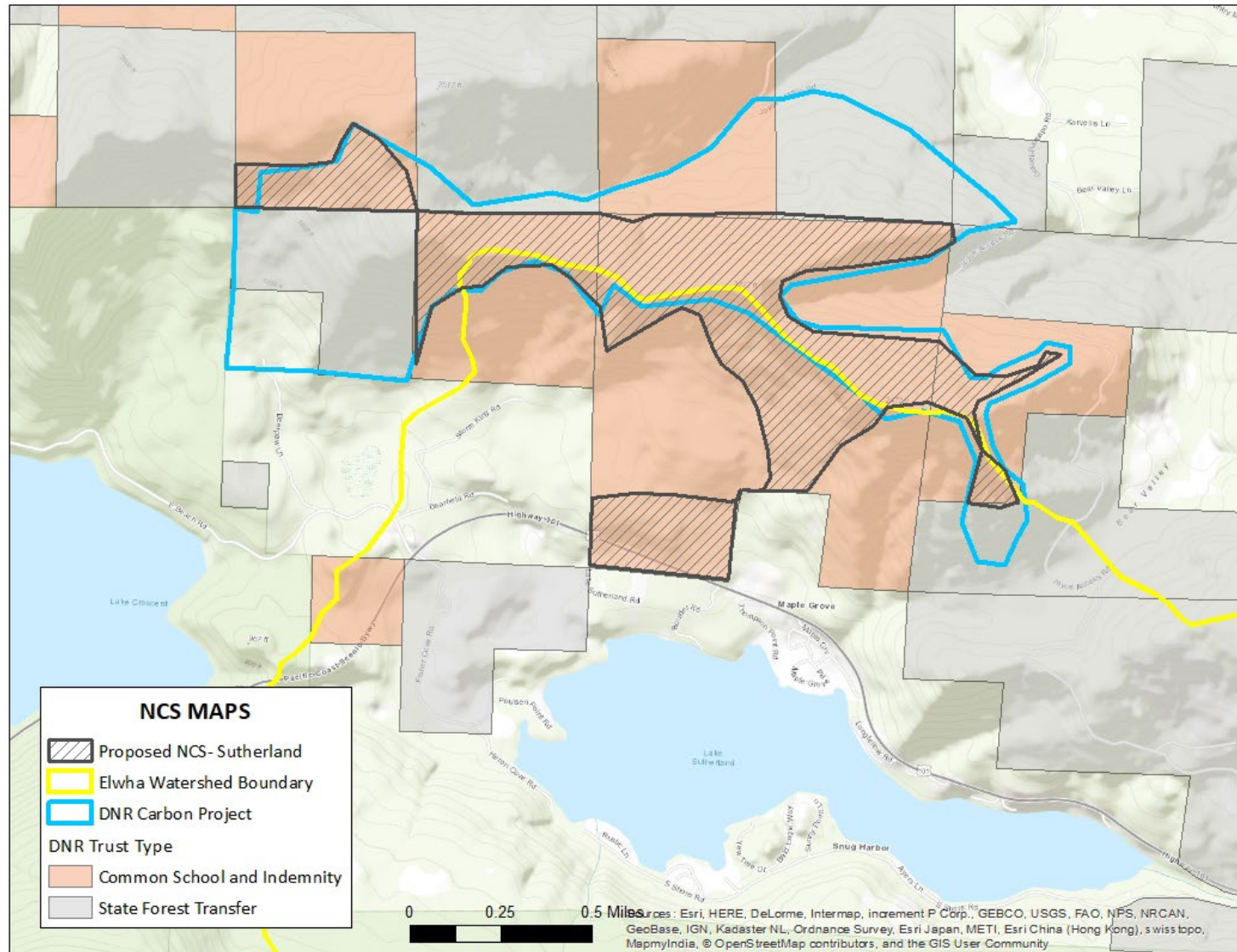
Dungeness Proposal



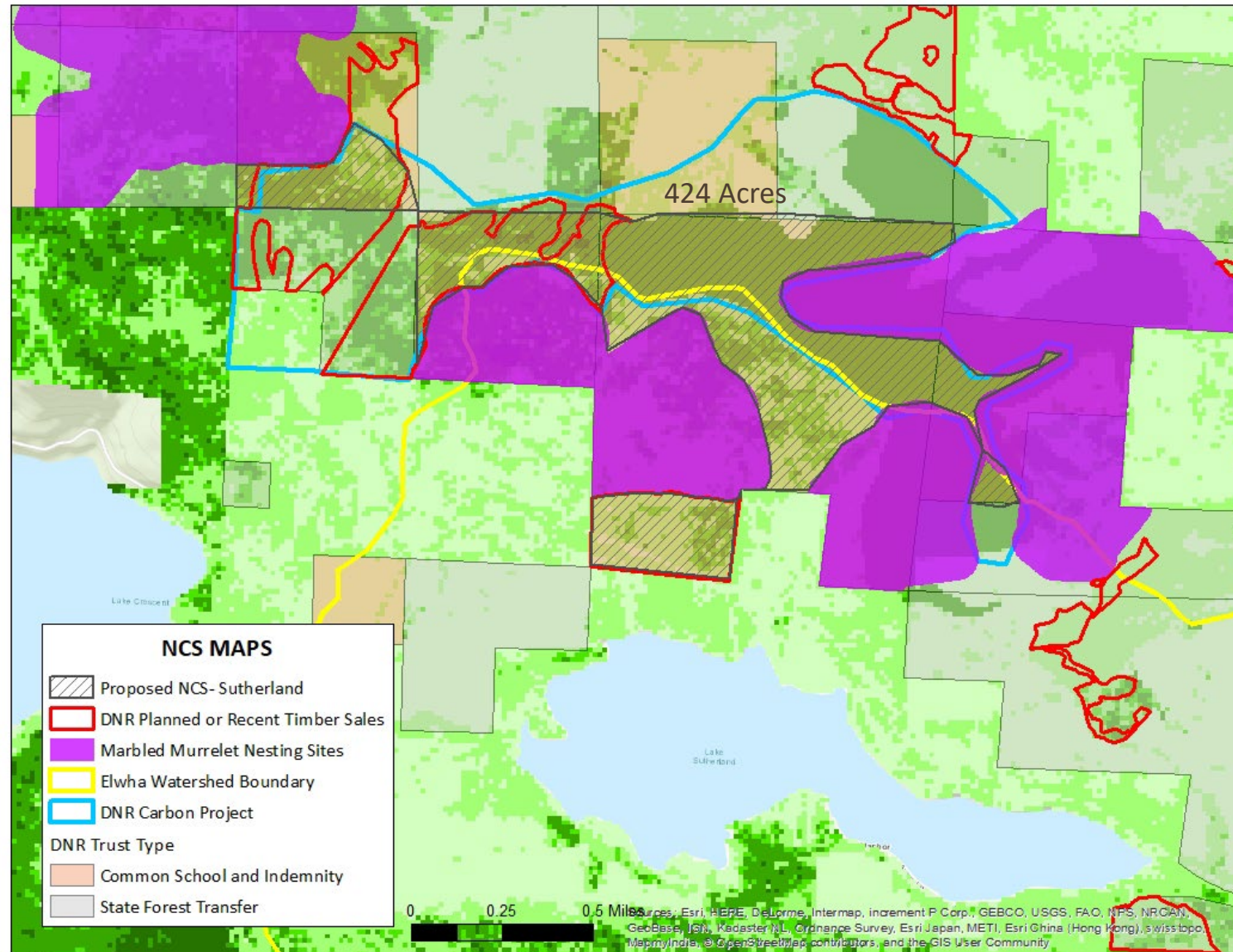
Dungeness Proposal



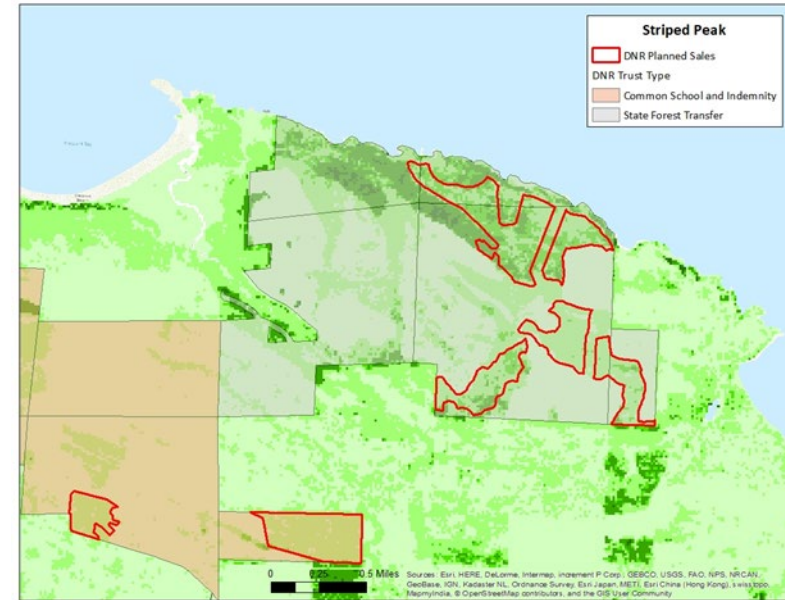
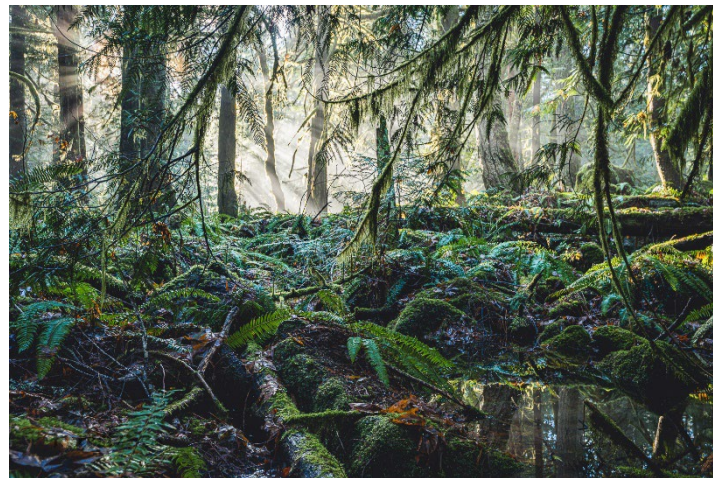
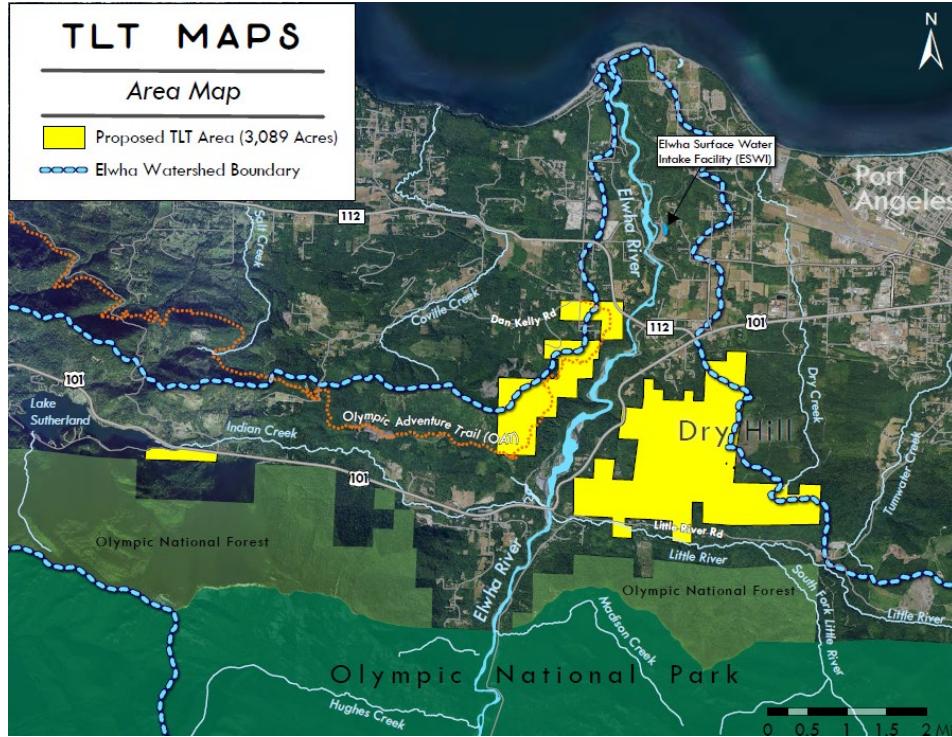
Sutherland Proposal



Sutherland Proposal



Other opportunities and next steps





Thank you!

Questions- Comments

