

State of the State Lands Report

for Fiscal Years 2020 and 2021



A Presentation to the Board of Natural Resources

April 5, 2022

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Duane Emmons



Agenda



Overview of State Uplands



Business assets



Income statements



Fund balances



• Expenditures and FTEs (Full Time Equivalents)



Trust land transactions

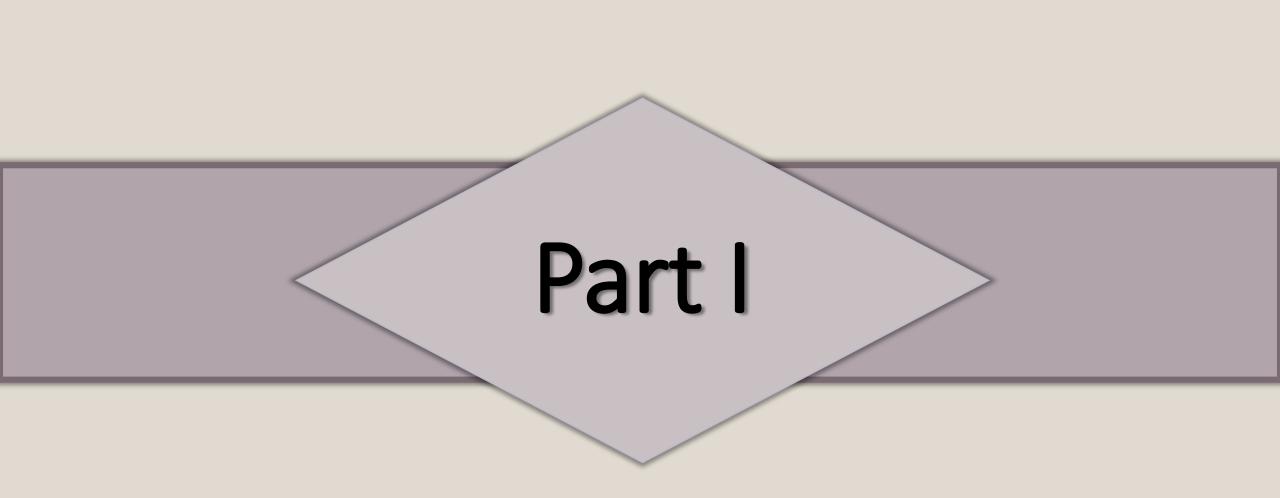


Complementary and supporting programs

Part I











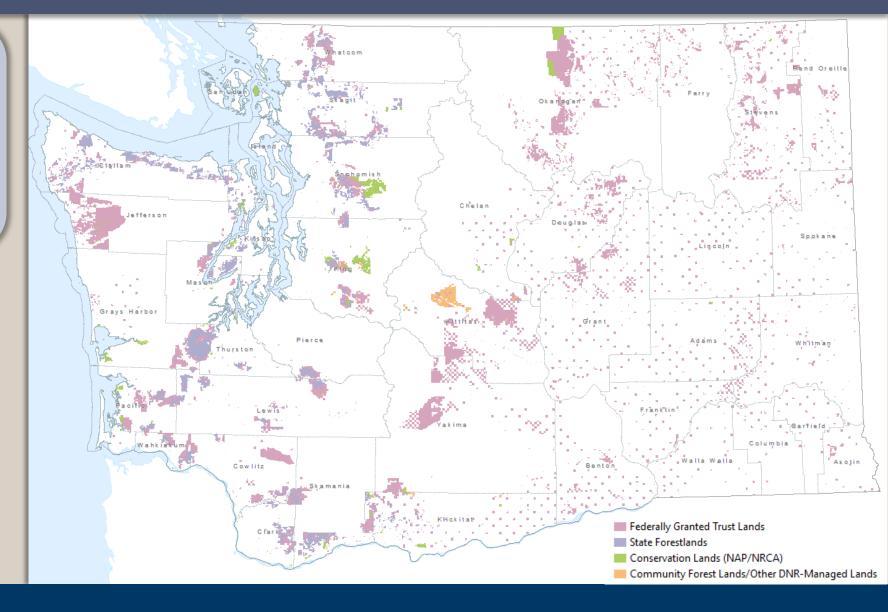
What are State Lands?

3.1 million acres of state-owned uplands that DNR manages to sustainably achieve multiple values and purposes

Economic support of beneficiaries and local communities

Social values and recreation

Ecological health, conservation, and climate mitigation







State Uplands

Product Sales & Leasing















Engineering





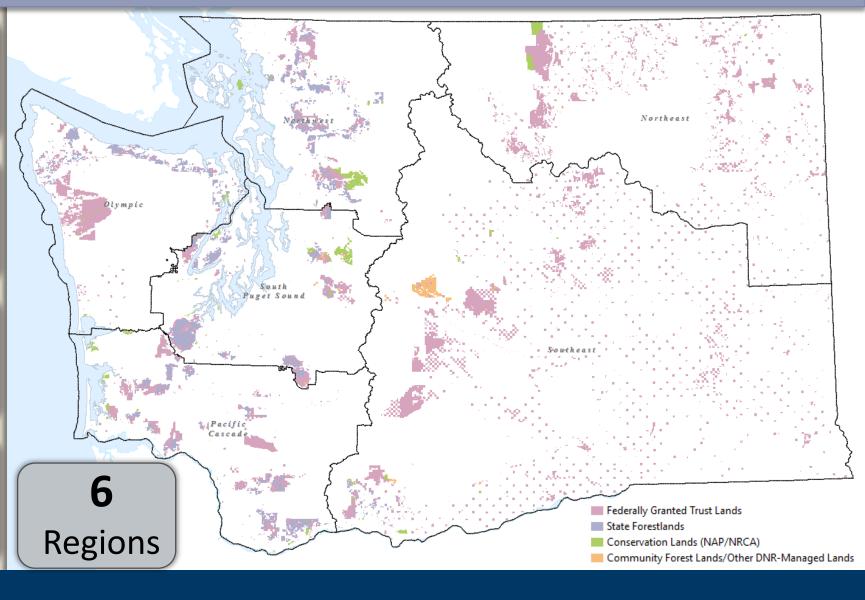


Conservation, Recreation & Transactions









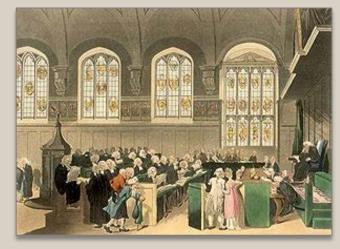




Trust Responsibilities

As manager of state trust lands, DNR has legal fiduciary responsibilities to:

- Generate revenue and other benefits for each trust, in perpetuity
- Preserve the corpus of the trust
- Exercise reasonable care and skill
- Act prudently to reduce the risk of loss for the trusts
- Maintain undivided loyalty to beneficiaries
- Act impartially with respect to current and future beneficiaries





Product Sales & Leasing



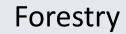




Business Assets Fiscal Years

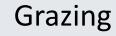


2020 & 2021

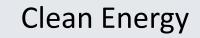








Communication Sites



Mining/Minerals

Rights-of-Way

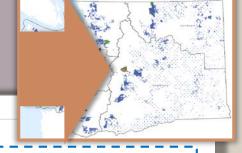
Special Use Leases/Special Forest Products

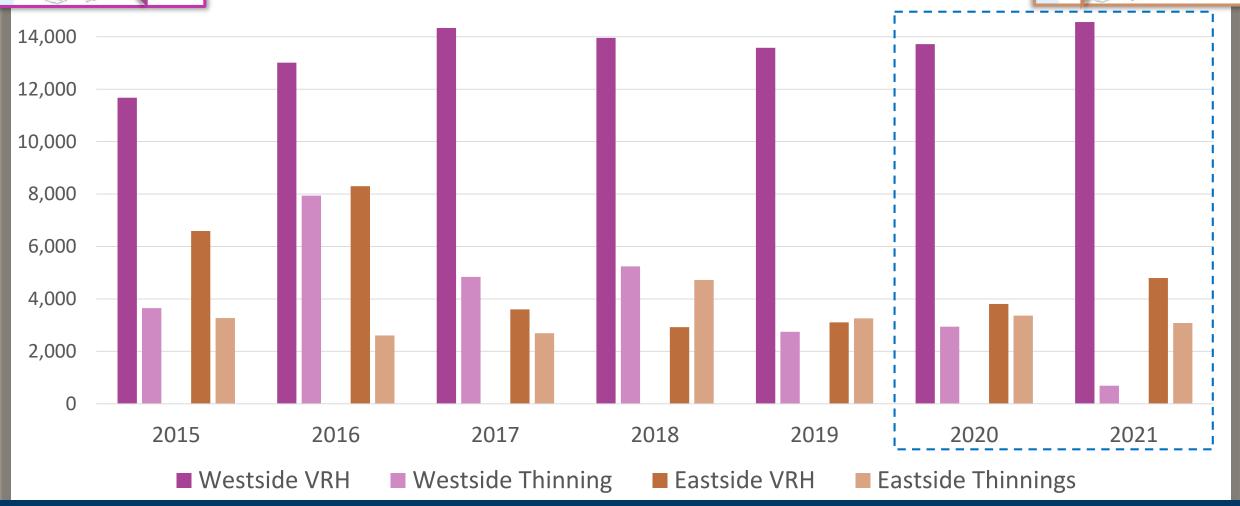




Commercial Treatment Acres

Completed and Sold









Revenue from Timber Sales

(Statewide, rounded, not adjusted for inflation)

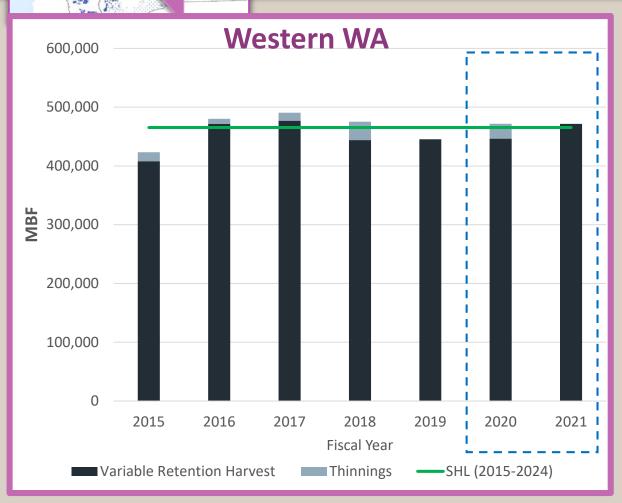


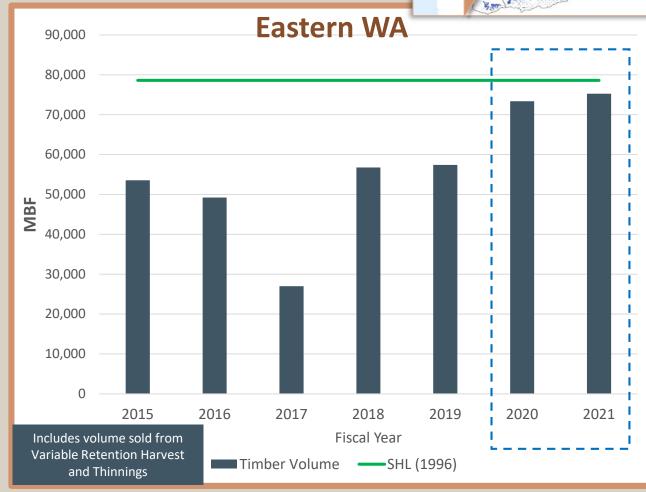


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Forestry Activities

Harvest Volume







Sustainable Harvest Level for the 2015-2024 Planning Decade

Sustainable Harvest Unit (SHU)		Sold and Completed MMBF (FY 2015-2021)	Planning Decade Target MMBF (FY 2015-2024)	Volume Remaining MMBF (FY 2022-2024) to meet SHU Target
Federally Granted Trusts and State Forest Purchase		1,238	1,876	638
Olympic State Forest		452	739	287
Capitol Forest		343	529	186
	Clallam	108	210	102
	Clark	74	48	0*
	Cowlitz	25	23	0*
	Grays Harbor	4	5	1
	Jefferson	32	65	33
	King	44	80	36
	Kitsap	19	12	0*
	Lewis	159	191	32
State Forest Transfer	Mason	79	95	16
	Pacific	46	41	0*
	Pierce	16	29	13
	Skagit	227	259	32
	Skamania	48	101	53
	Snohomish	167	203	0* 0* 1 33 36 0* 32 16 0* 13 32 53 36 0* 31 30 11
	Thurston	31	23	0*
	Wahkiakum	29	59	30
	Whatcom	56	67	11
Total Volume		3,198	4,654	1,456

natural resources

Draft - subject to change

Sustainable Harvest Level - Planned Volume - Fiscal Year 2022-2024

Sustainable Harvest Unit (SHU)		Planned, Sold and Completed Volume MMBF (FY 2022-2024)	End of decade MMBF if FY 2022-2024 Volume Met	Over/(Under) Volume MMBF	
Federally Granted Trusts and State Forest Purchase		658	1,896	20	
Olympic State Forest		267	719	(20)	
Capitol Forest		185	528	(1)	
	Clallam	97	205	(5)	
	Clark	3	77	29	
	Cowlitz	0	25	2	
	Grays Harbor	1	6	1	
	Jefferson	31	63	(2)	
	King	16	60	(20)	
	Kitsap	0	19	7	
	Lewis	38	197	6	
State Forest Transfer	Mason	18	96	1	
	Pacific	5	51	10	
	Pierce	9	25	(4)	
	Skagit	36	263	4	
	Skamania	26	73	(28)	
	Snohomish	50	217	14	
	Thurston	-	31	8	
	Wahkiakum	18	47	(12)	
	Whatcom	8	64	(3)	
Total Volume		1,464	4,662	8	

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	Cowlitz	25	23	0*	0	25	29 2 1 (2) (20) 7
	Grays Harbor	4	5	1	1	6	1
	Jefferson	32	65	33	31	63	(2)
	King	44	80	36	16	60	(20)
	Kitsap	19	12	0*	0	19	
	Lewis	159	191	32	38	197	6
State Forest Transfer	Mason	79	95	16	18	96	1
	Pacific	46	41	0*	5	51	10
	Pierce	16	29	13	9	25	(4)
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	Wahkiakum	29	59	30	18	47	6 1 10 (4) 4 (28) 14 8 (12)
	Whatcom	56	67	11	8	64	(3)
Total Volume	DEPARTMENT OF	3,198	4,654	1,456	1,464	4,662	8

dnr.wa.gov

Forestry Challenges and Opportunities

Challenges:

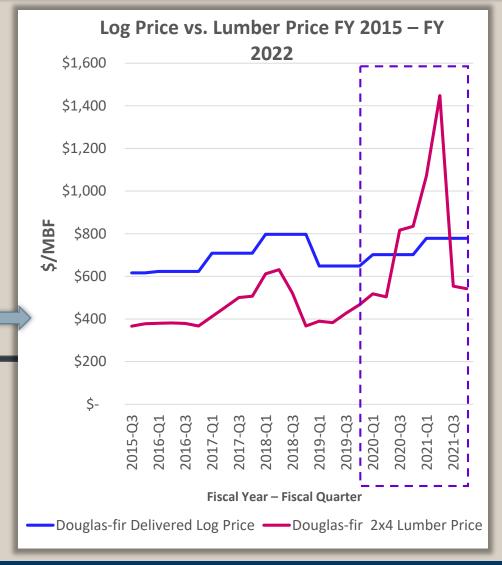


- Harvest level set mid-decade requiring adjustment at Sustainable Harvest Unit level mid-decade (some units over, some units under)
- Staffing vacancies
- Increased public interest in timber sales with older forests and the process has increased staff time and outreach efforts
- Historical high lumber prices but didn't see a corresponding rise in log prices

Opportunities:



- Increased interest in biomass and potential new forest product markets (cedar salvage, hop poles)
- Higher log prices may persist for some time as demand for housing remains high

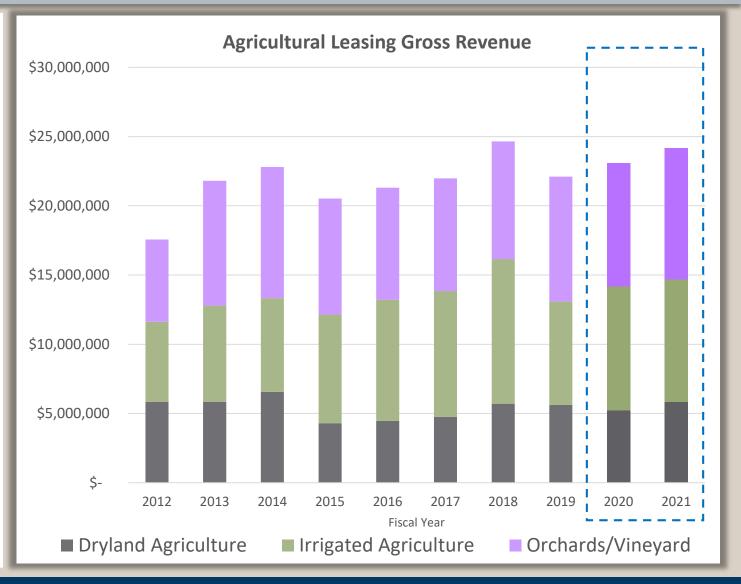




Agricultural Leasing

Agricultural Leasing Data FY 2021

Lease Type	Example crops	Acres	Number of Leases	Gross Revenue (rounded)					
Orchards & Vineyards	Grapes, apples, cherries	31,653	101	\$9,490,000					
Irrigated Agriculture	Onions, potatoes, corn, alfalfa	44,591	128	\$8,843,000					
Dryland Agriculture	Hay, lentils, barley	163,296	615	\$5,843,000					
Tot	al	239,540	844	\$24,177,000					





Agricultural Leasing Program

Challenges:



- 2021 drought negatively affected dryland agricultural revenue
- Pandemic related uncertainty in commodity pricing

Opportunity:



Working to transfer water rights & expand irrigated agricultural lands





Commercial Real Estate

Improved Property Leases

DNR owns the land and structures

Office buildings, retail, warehouses

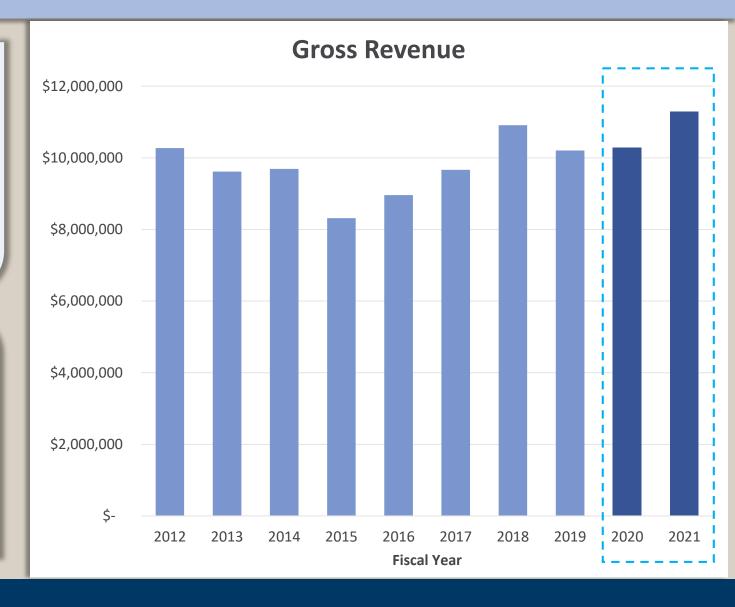
FY 2021: 12 leases

Ground Leases

DNR owns the land; Lessee owns the structures

Parking lots, bank, motel, restaurant, retail

FY 2021: 30 leases





Commercial Real Estate

Strategic guidance on modernizing program

Updates



High building vacancy rate

Advisory committee created

Jones Lang Lasalle contract

Lack of tenant improvement funds to attract new business

Program review, short- & long-term recommendations

Challenges



Opportunities



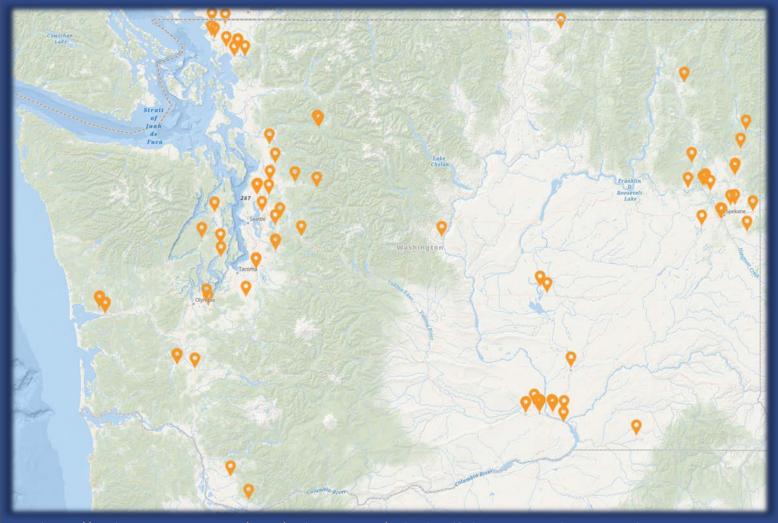
Promoting vacant or underutilized properties

Legislative change the maximum lease term to 99 years





Transition Lands & Urban Lands



https://wadnr.maps.arcgis.com/apps/webappviewer/index.html?id=47c463498d384e659c4b37ac02e840c8

Transition Lands: Areas being managed for natural resources that could yield higher economic return from conversion to a different land use (35 properties, 3,489 acres)

Urban Lands: Properties zoned residential, commercial, or industrial by local governments (40 properties, 3,750 acres)

Challenges:



- Community preference to leaving certain areas undeveloped
- Increased homeless encampments on underutilized/vacant Transition or Urban lands

Opportunity:



 Pursuing/investigating ways to more efficiently transact these properties



Grazing Program

Benefits of the Grazing Program

- Provides critical forage for livestock
- Can reduce fuel loads in high risk wildfire areas
- Lessees help steward the land (noxious weeds and dumping)
- Current highest and best use for land
- Revenue generation for beneficiaries

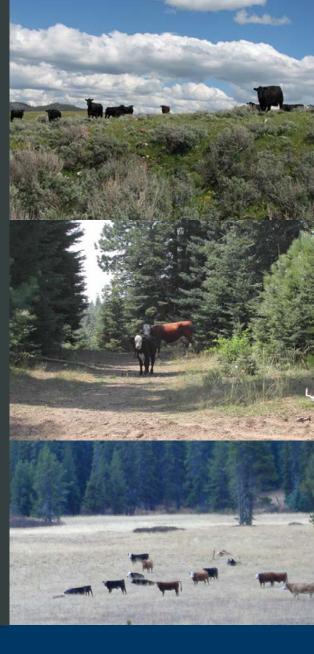
Leases: *Exclusive use* of a specific area

(760 leases over ~542,000 acres)

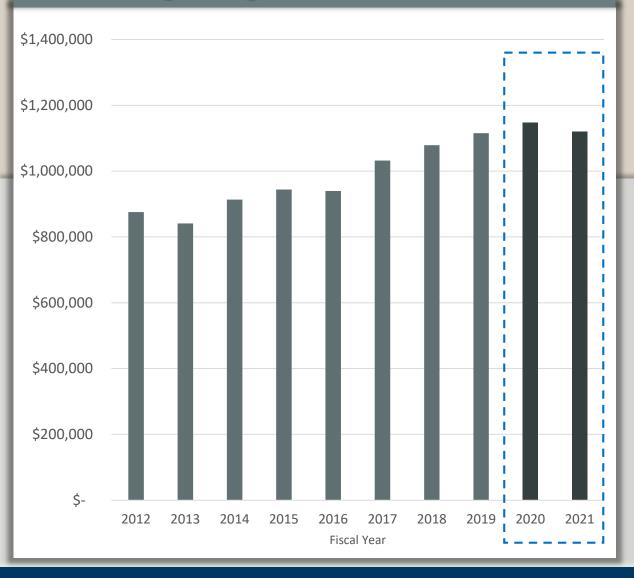
or

Permits: *Non-exclusive use* over a broad geographic area in locations of intermingled land ownership

(42 permits over ~335,000 acres)



Grazing Program Gross Revenue



Challenges:



- Drought and wildfire affected forage levels in some areas
- Deferments of lands -> loss of revenue during recovery

Opportunities:



- Actively working with other landowners to coordinate replacement forage lands when there are deferrals from wildfire or drought
- Partnering with other agencies on long-term solutions
 - E.g. Shrub-steppe proviso work group



Communication Sites

106 Sites | 439 Leases

25 sites: Mix of DNR-owned and Tenant-owned structures

76 sites: Tenant-owned structures

5 sites: Under development/no infrastructure

- Radio/TV/Microwave (non-cellular)
- Cellular & Broadband (Wireless telecommunications)



Communication Sites

Update:

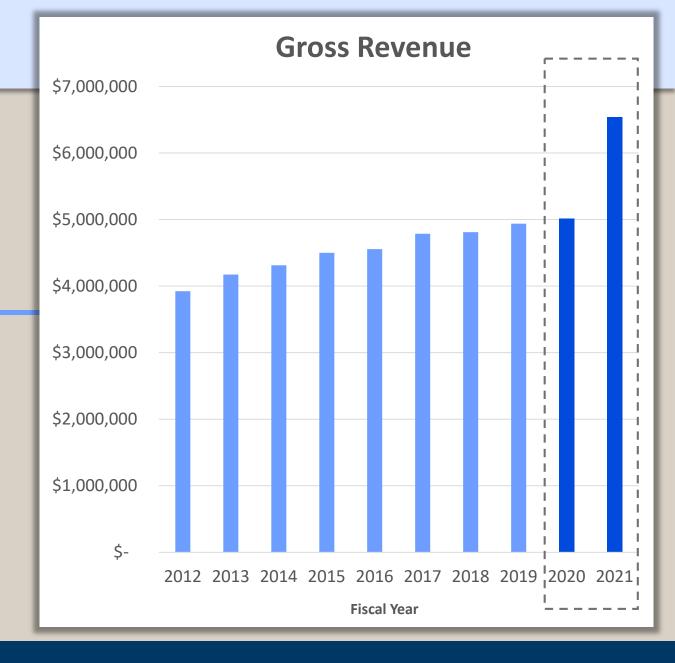


 Caught up on all expired leases and captured
 ~\$700,000 in back rent for beneficiaries

Opportunities:



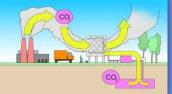
- Received \$2m in capital funding to improved rural broadband infrastructure
- Working with amateur radios users to properly and legally operate on state lands



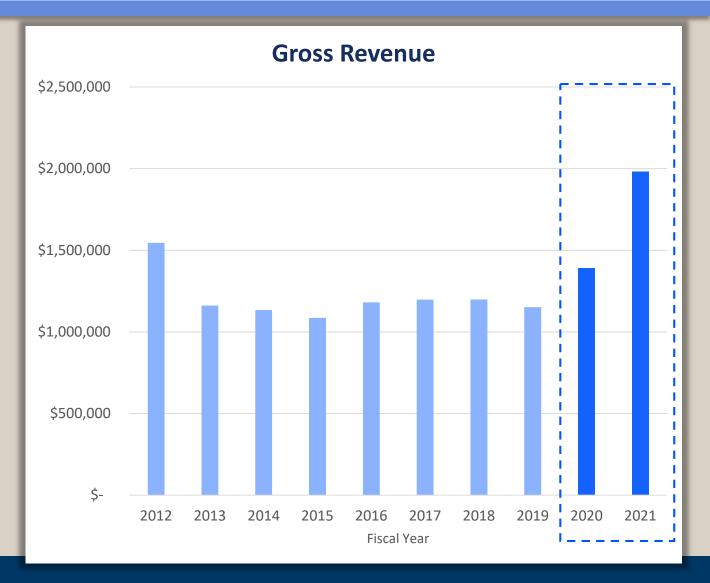
Clean Energy







- Wind Power
 (21 leases | 118 turbines | 216 MW)
- Solar Power
 (3 leases in pre-development 1,364 acres)
- Geothermal (Mapping areas of untapped potential)
- Biomass
 (Potential opportunities available in conjunction with timber harvests)
- Other Projects



Clean Energy

Updates:

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- Focus on tribal engagement
- Recognition from National Association of State Trust Land Managers for Clean Energy Strategy
- First solar lease is moving towards the development phase

Challenge:



Solar development is a multi-year process

• Development moratoriums in two eastern Washington counties

Opportunities:



- Collaborating with other DNR programs: Biofuels (Timber), Clean energy locations in transmission corridors (Rights-of way), Geothermal potential (Mining/Minerals)
- Mapping tool under development for sites with renewable energy potential



Mining & Minerals











Surface Contracts

Public or private companies who extract rock resources for roads or other construction

9 contracts, 975 acres in FY 2021

Subsurface Leases

Mineral extraction or prospecting

12 leases, 3,848 acres in FY 2021





Reclamation earthwork completed for gravel pit in SW Washington - replanting scheduled for Spring 2022

Challenge:



A large portion of current program revenue is from one aggregate site. Operations will end within upcoming decade, resulting in steep revenue decline for program





\$1,600,000 \$1,400,000 \$1,200,000 \$1,000,000 \$800,000 \$600,000 \$400,000 \$200,000 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 **Fiscal Year**

Rights-of-Way

This program grants rights-of-way over state trust lands and works with adjacent landowners to acquire access to state trust lands:

- Road use permits
- Land use licenses
 - Easements

U	po	da	te	:
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 Granted easements to U.S. Forest Service, first time in a decade

Challenge:



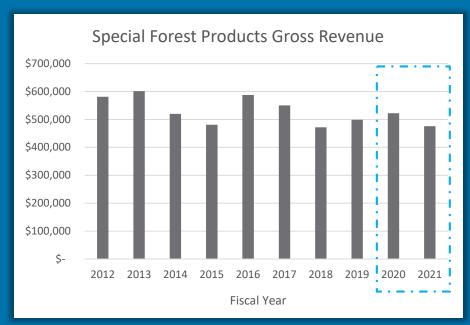
 DNR is statutorily required to grant some access that costs more to administer than is generated

Opportunity:



 Working on administrative cost recovery for these agreements





Special Forest Products

Leases/permits that allow commercial gathering of forest products such as salal, brush, sword ferns, mushrooms, and boughs in DNR-managed forests

FY 2021 Number of leases/permits/sales = 97

Update:

5

Adapted to a mail-order brush permit process due to office closures – improving efficiency, timeliness, and ease to purchasers

Challenge:

~

Only 3 regions with limited staff capacity to offer this program



Special Use Leases

(non-commercial property leases)

Examples of current leases: government services, commercial recreation, colleges

FY 2021 Number of leases – 323

Update:

5

Finalizing lease amendment to return unused portion of Fircrest Campus back to DNR for other opportunities

Challenge:

2

Some properties leased at no cost (legislatively directed)











Income Statements

Management Funds

Fund Balances



FY 2020 Income Statements

Other Assets includes Clean Energy, Mining/Minerals, Special Forest Products, Special Use Leases & Rights-of-Way

	Overall Revenue and Expenditures by Business Asset											
			Overali Kev	en	ue and Exp	_		_	siness Asset		*	
			Forestry		Agriculture	Со	mmercial Leases	C	Communication Sites	0	ther Assets	Grand Total
Gros	ss Revenue	\$	202,672,319	\$	23,953,984	\$	10,283,120	\$	4,931,075	\$	5,136,071	\$ 246,976,568
	Direct	\$	(49,317,272)	\$	(1,619,840)	\$	(536,369)	\$	(887,270)	\$	(2,332,253)	\$ (54,693,003)
Expenditures	Indirect	\$	(14,071,594)	\$	(858,238)	\$	(163,460)	\$	(274,108)	\$	(826,999)	\$ (16,194,400)
	Total Expenditures	\$	(63,388,866)	\$	(2,478,078)	\$	(699,829)	\$	(1,161,379)	\$	(3,159,251)	\$ (70,887,403)
ı	Income	\$	139,283,453	\$	21,475,906	\$	9,583,291	\$	3,769,696	\$	1,976,819	\$ 176,089,165
Trust Beneficiaries Distribution by Business Asset												
			Forestry		Agriculture	Со	mmercial Leases	С	Communication Sites	0	ther Assets	Grand Total
Gros	ss Revenue	\$	202,672,319	\$	23,953,984	\$	10,283,120	\$	4,931,075	\$	5,136,071	\$ 246,976,568
Trust	Distribution	\$	136,970,270	\$	16,653,729	\$	7,095,986	\$	3,414,342	\$	3,452,844	\$ 167,587,170
1	venue Distributed to Trusts		68%		70%		69%		69%		67%	68%
	DN	IR N	Management	Fu	nds Revenue	e ar	nd Expenditur	res	by Business Asse	t		
			Forestry		Agriculture	Cor	mmercial Leases	Co	communication Sites	Ot	ther Assets	Grand Total
(RMCA/FDA/F	HRA) Funds Revenue	\$	65,702,049	\$	7,300,255	\$	3,187,134	\$	1,516,733	\$	1,683,227	\$ 79,389,398
	Direct	\$	(49,317,272)	\$	(1,619,840)	\$	(536,369)	\$	(887,270)	\$	(2,332,253)	\$ (54,693,003)
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DNR FU	unds Income	\$	2,313,183	\$	4,822,176	\$	2,487,305	\$	355,354	\$	(1,476,024)	\$ 8,501,994

31

FY 2021 Income Statements

Other Assets includes Clean Energy, Mining/Minerals, Special Forest Products, Special Use Leases & Rights-of-Way

Direct \$ (47,438,036) \$ (3,882,165) \$ (567,540) \$ (847,845) \$ (2,140,991) \$ (54,876,577) \$ (166,163) \$ (282,497) \$ (773,140) \$ (15,564,848) \$ (2,140,991) \$ (54,876,577) \$ (166,163) \$ (282,497) \$ (773,140) \$ (15,564,848) \$ (2,914,131) \$ (70,441,424) \$ (100 me) \$ 124,146,221 \$ 20,267,138 \$ 10,545,233 \$ 5,321,459 \$ 4,377,478 \$ 164,657,53 \$ \$ (10,545,233) \$ (10,545,245) \$ (10,545,233) \$ (10,545,234) \$ (10,545,233) \$ (1	Occasion Decreased Service and State of the Decrease Acces												
Signature Sign				Overall F	(ev	enue and Ex	pen	iditures by Bus	sine	ess Asset		₩	
Direct \$ (47,438,036) \$ (3,882,165) \$ (567,540) \$ (847,845) \$ (2,140,991) \$ (54,876,577) \$ (166,163) \$ (282,497) \$ (773,140) \$ (15,564,848) \$ (13,495,473) \$ (847,574) \$ (166,163) \$ (282,497) \$ (773,140) \$ (15,564,848) \$ (10,00000000000000000000000000000000000				Forestry		Agriculture	Co	mmercial Leases	Co	ommunication Sites	0	ther Assets	Grand Total
Expenditures Indirect \$ (13,495,473) \$ (847,574) \$ (166,163) \$ (282,497) \$ (773,140) \$ (15,564,848) \$ (60,933,509) \$ (4,729,740) \$ (733,702) \$ (1,130,343) \$ (2,914,131) \$ (70,441,424) \$ (10,0000) \$ (1,130,343) \$ (2,914,131) \$ (70,441,424) \$ (10,0000) \$ (1,130,343) \$ (Gros	ss Revenue	\$	185,079,730	\$	24,996,878	\$	11,278,935	\$	6,451,802	\$	7,291,609	\$ 235,098,954
Total Expenditures \$ (60,933,509) \$ (4,729,740) \$ (733,702) \$ (1,130,343) \$ (2,914,131) \$ (70,441,424		Direct	\$	(47,438,036)	\$	(3,882,165)	\$	(567,540)	\$	(847,845)	\$	(2,140,991)	\$ (54,876,577)
Trust Beneficiaries Distribution by Business Asset Forestry Agriculture Commercial Leases Communication Sites Communicat	Expenditures	Indirect	\$	(13,495,473)	\$	(847,574)	\$	(166,163)	\$	(282,497)	\$	(773,140)	\$ (15,564,848)
Trust Beneficiaries Distribution by Business Asset Gross Revenue \$ 185,079,730 \$ 24,996,878 \$ 11,278,935 \$ 6,451,802 \$ 7,291,609 \$ 235,098,95 Trust Distribution \$ 118,544,890 \$ 17,380,200 \$ 7,783,098 \$ 4,469,286 \$ 5,050,152 \$ 153,227,626 % of Gross Revenue Distributed to Trusts 64% 70% 69% 69% 69% 69% 659 DNR Management Funds Revenue and Expenditures by Business Asset EXPENDITURE Forestry Agriculture Commercial Leases Communication Sites Other Assets Grand Total (RMCA/FDA/FHRA) Funds Revenue \$ 66,534,840 \$ 7,616,678 \$ 3,495,837 \$ 1,982,516 \$ 2,241,458 \$ 81,871,32 Expenditures Direct \$ (47,438,036) \$ (3,882,165.44) \$ (567,539.56) \$ (847,845) \$ (2,140,991) \$ (54,876,577) Expenditures Indirect \$ (13,495,473) \$ (847,574) \$ (166,163) \$ (282,497) \$ (773,140) \$ (15,564,848)		Total Expenditures	\$	(60,933,509)	\$	(4,729,740)	\$	(733,702)	\$	(1,130,343)	\$	(2,914,131)	\$ (70,441,424)
Forestry Agriculture Commercial Leases Communication Sites Other Assets Grand Total	l	ncome	\$	124,146,221	\$	20,267,138	\$	10,545,233	\$	5,321,459	\$	4,377,478	\$ 164,657,530
Gross Revenue \$ 185,079,730 \$ 24,996,878 \$ 11,278,935 \$ 6,451,802 \$ 7,291,609 \$ 235,098,955 Trust Distribution \$ 118,544,890 \$ 17,380,200 \$ 7,783,098 \$ 4,469,286 \$ 5,050,152 \$ 153,227,626 % of Gross Revenue Distributed to Trusts	Trust Beneficiaries Distribution by Business Asset												
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Trusts	Trust	Distribution	\$	118,544,890	\$	17,380,200	\$	7,783,098	\$	4,469,286	\$	5,050,152	\$ 153,227,626
Forestry Agriculture Commercial Leases Communication Sites Other Assets Grand Total				64%		70%		69%		69%		69%	65%
(RMCA/FDA/FHRA) Funds Revenue \$ 66,534,840 \$ 7,616,678 \$ 3,495,837 \$ 1,982,516 \$ 2,241,458 \$ 81,871,325 Direct \$ (47,438,036) \$ (3,882,165.44) \$ (567,539.56) \$ (847,845) \$ (2,140,991) \$ (54,876,577) Expenditures Indirect \$ (13,495,473) \$ (847,574) \$ (166,163) \$ (282,497) \$ (773,140) \$ (15,564,848)		DN	IR I	Managemen	t F	unds Revent	ue a	nd Expenditur	es	by Business Asse	t		
Direct \$ (47,438,036) \$ (3,882,165.44) \$ (567,539.56) \$ (847,845) \$ (2,140,991) \$ (54,876,577) \$ (166,163) \$ (282,497) \$ (773,140) \$ (15,564,848)				Forestry		Agriculture	Co	mmercial Leases	Co	ommunication Sites	0	ther Assets	Grand Total
Expenditures Indirect \$ (13,495,473) \$ (847,574) \$ (166,163) \$ (282,497) \$ (773,140) \$ (15,564,848)	(RMCA/FDA/F	HRA) Funds Revenue	\$	66,534,840	\$	7,616,678	\$	3,495,837	\$	1,982,516	\$	2,241,458	\$ 81,871,329
		Direct	\$	(47,438,036)	\$ (3,882,165.44)	\$	(567,539.56)	\$	(847,845)	\$	(2,140,991)	\$ (54,876,577)
Total Expenditures \$ (60,933,509) \$ (4,729,740) \$ (733,702) \$ (1,130,343) \$ (2,914,131) \$ (70,441,424	Expenditures	Indirect	\$	(13,495,473)	\$	(847,574)	\$	(166,163)	\$	(282,497)	\$	(773,140)	\$ (15,564,848)
		Total Expenditures	\$	(60,933,509)	\$	(4,729,740)	\$	(733,702)	\$	(1,130,343)	\$	(2,914,131)	\$ (70,441,424)
DNR Funds Income \$ 5,601,331 \$ 2,886,939 \$ 2,762,135 \$ 852,173 \$ (672,673) \$ 11,429,90			\$	5,601,331	\$	2,886,939	\$	2,762,135	\$	852,173	\$	(672,673)	\$ 11,429,904

Forestry Income Statements

FY 2020

Overall Revenue and Expenditures for Forestry

		Ma	nagement Funds	Forest Health
Gross Revenue			187,679,218	\$ 14,993,101
	Direct	\$	(38,206,296)	\$ (11,110,976)
Expenditures	Indirect	\$	(12,353,761)	\$ (1,717,833)
	Total Expenditures	\$	(50,560,057)	\$ (12,828,809)
Income		\$	137,119,161	\$ 2,164,292

Trust Panaficiaries Distribution for Egreetry

irust beneficiaries distribution for Forestry									
	Management Funds	Forest Health							
Gross Revenue	\$ 187,739,218	\$ 14,933,101							
Trust Distribution	\$ 136,970,270	\$ 0							
% of Gross Revenue Distributed to Trusts	73%	0%							

FY 2021

Overall Revenue and Expenditures for Forestry

o totali notolide dila Experialidi do los los costi								
		Mar	nagement Funds		Forest Health			
Gro	ss Revenue	\$	166,712,389	\$	18,367,341			
	Direct	\$	(38,652,951)	\$	(8,785,085)			
Expenditures	Indirect	\$	(11,813,676)	\$	(1,681,797)			
	Total Expenditures	\$	(50,466,627)	\$	(10,466,882)			
Asset Income			116,245,762	\$	7,900,459			

Trust Beneficiaries Distribution for Forestry

	Management Funds	Forest Health
Gross Revenue	\$ 166,712,389	\$ 18,367,341
Trust Distribution	\$ 118,544,890	\$ 0
% of Gross Revenue Distributed to	71%	0%

DNR Management Funds Revenue and Expenditures for Forestry

		Ma	anagement Funds	Forest Health
Funds	Net Revenue	\$	50,708,948	\$ 9,331,469
	Direct		(38,206,296)	\$ (5,449,345)
Expenditures	Indirect	\$	(12,353,761)	\$ (1,717,833)
	Total Expenditures		(50,560,057)	\$ (7,167,178)
DNR Funds Income			148,891	\$ 2,164,291

DNR Management Funds Revenue and Expenditures for Forestry

			IVI	anagement Funds	Forest Health
	Funds Net Revenue		\$	48,167,499	\$ 18,367,341
	Expenditures	Direct	\$	(38,652,951)	\$ (8,785,085)
		Indirect	\$	(11,813,676)	\$ (1,681,797)
		Total Expenditures	\$	(50,466,627)	\$ (10,466,882)
	DNR Funds Income		\$	(2.299.128)	\$ 7.900.459



Data from 2/17/2022 – All numbers rounded

Management Funds

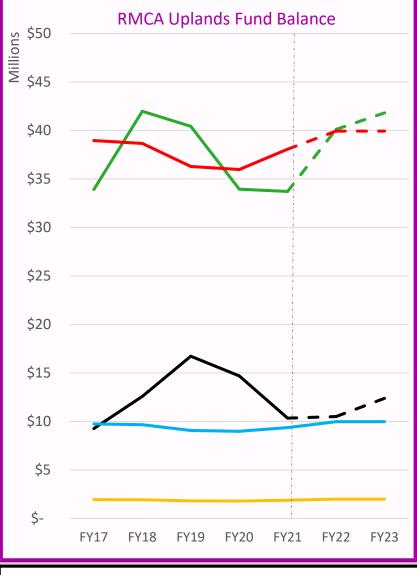
Revenue from the management rate that fund:

- Resource Management Cost Account (RMCA) RCW 79.64.020
- Forest Development Account (FDA) RCW 79.64.100
- Net revenue into the Forest Health Revolving Account RCW 79.64.130
 - Net revenue for this account is gross timber sale receipts minus contract harvester payments
 - DNR retains all revenue from State Lands Forest Health activities to conduct additional forest health activities and distributes unobligated funds to the trust beneficiaries as required by RCW 76.64.130

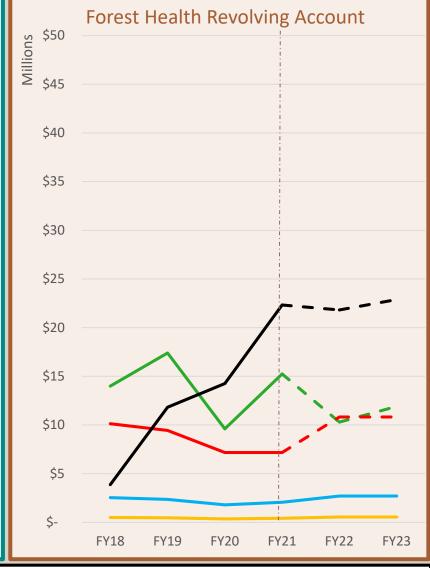
DNR does NOT retain a management rate for the Agriculture College Trust Management Account, but receives a direct appropriation from the legislature per RCW 79.64.095











—Revenue —Expenditures —Ending Fund Balance —5% Minimun Fund Balance —3-Month Minimum Fund Balance





Terminology & Notes

Gross Revenue: Total revenue from the business asset prior to management rate or trust distribution

Direct Expenditures: State Uplands operating expenses for direct support of the management of the business asset

Indirect Expenditures: Agency overhead for activities supporting State Uplands FTEs and resources such as Human Resources, Information Technology, Finance, etc.

Trust Beneficiaries Distribution: The amount of the gross revenue that is distributed to the trust beneficiaries from the business asset

Note: Revenues reported from Business Assets in this report may differ from DNR's Annual Report for various reasons including, but not limited to, the methods for reporting the Contract Harvest Revolving Account activity, grouping of business assets, inclusion of business assets in this update, and tracking of revenue for the Agricultural College Trust Management Account.



State of the State Lands Report

for Fiscal Years 2020 and 2021

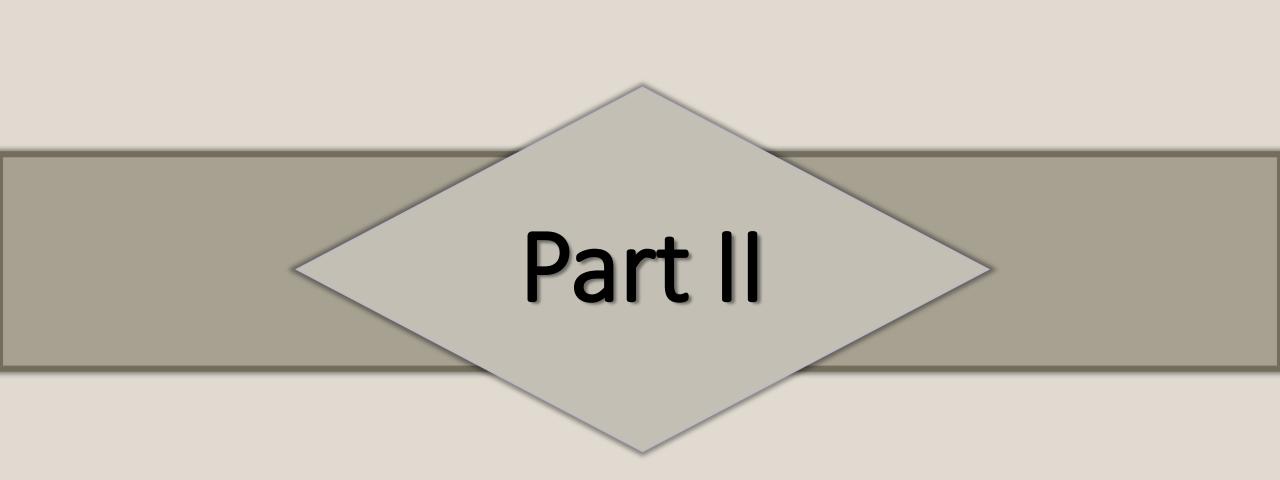


A Presentation to the Board of Natural Resources – Part II

May 3, 2022

Angus Brodie
Calvin Ohlson-Kiehn
Dale Mix
Laurie Benson













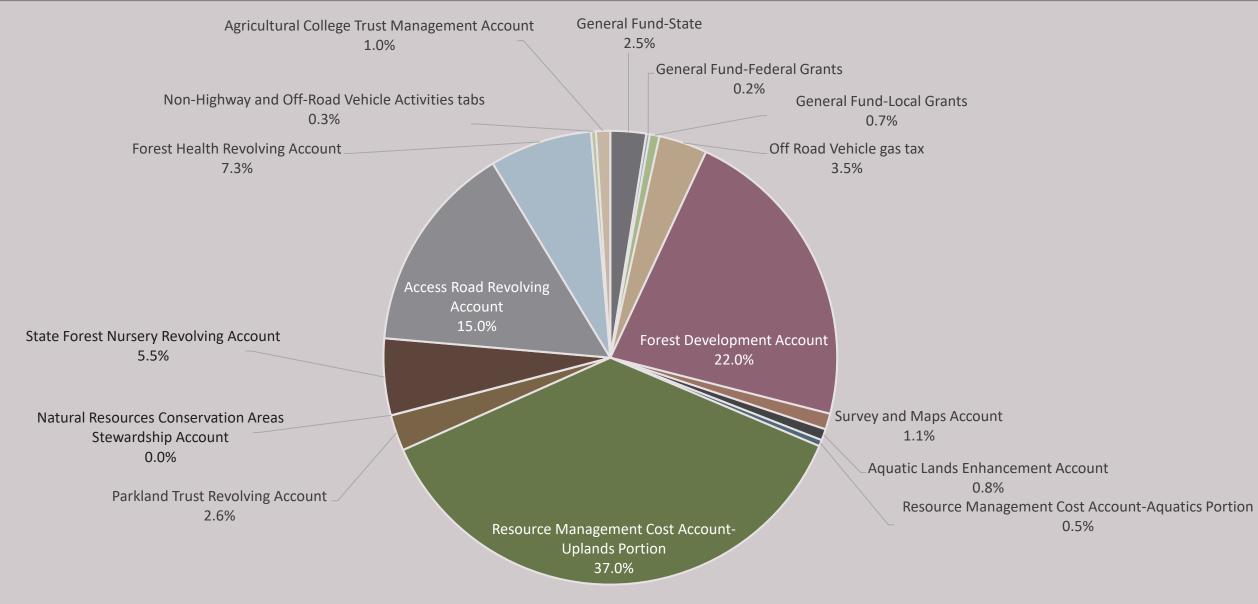


Operating Budget Expenditures & FTEs





Operating Fund Sources for all Uplands Programs FY 2021



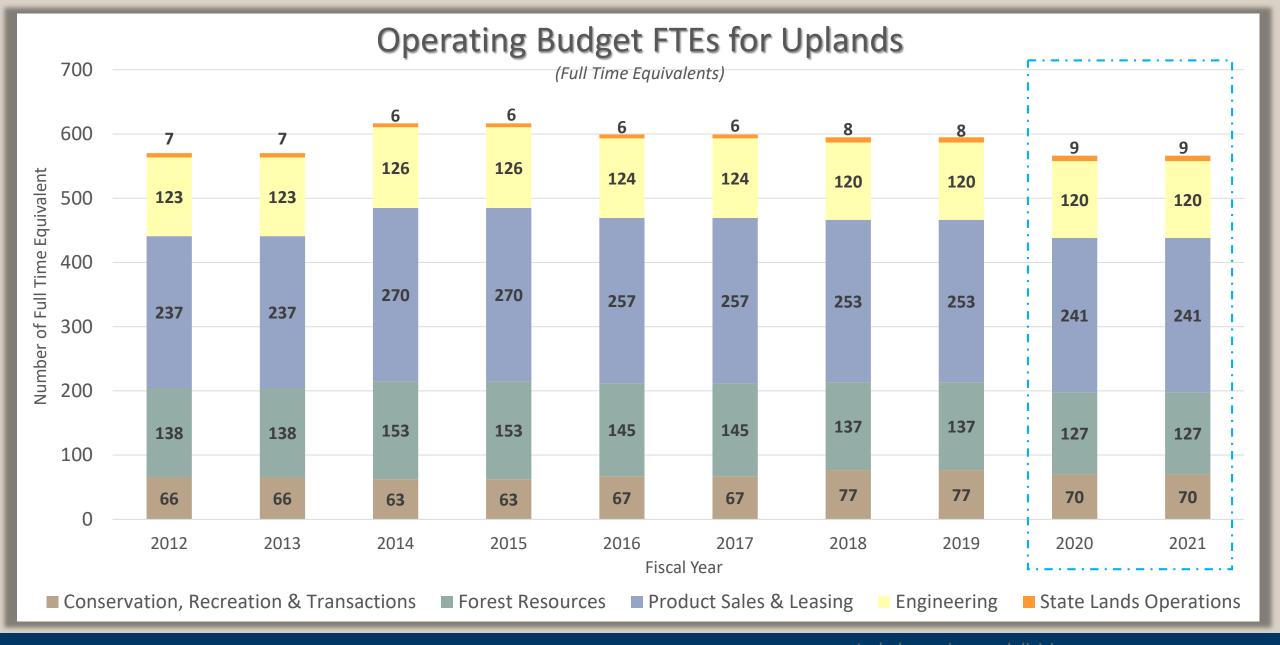


Uplands Operating Expenditures

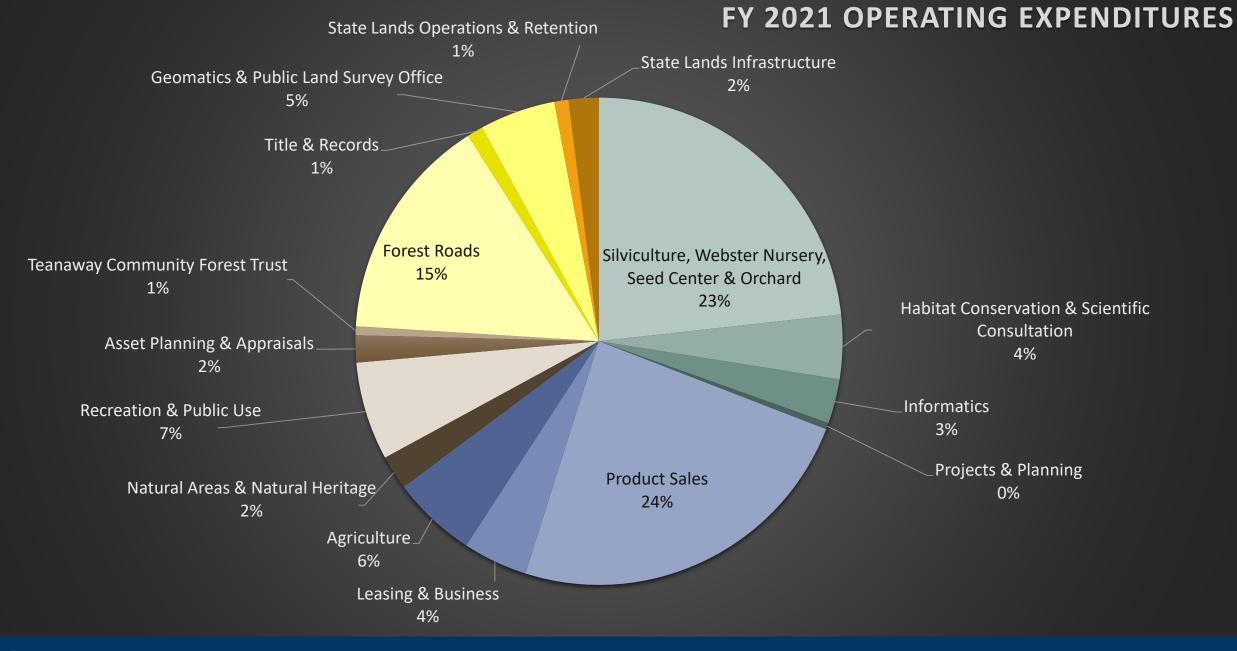
		0 1					
		FY 2020 FTEs	FY2	2020 Expenses	FY 2021 FTE	FY2	021 Expenses
	Silviculture, Webster Nursery, Seed Orchard & Seed Center	74	\$	15,279,886	74	\$	17,634,390
Forest Resources	Habitat Conservation & Scientific Consultation	30	\$	3,274,000	30	\$	3,237,725
Forest Resources	Informatics	18	\$	2,221,863	18	\$	2,233,851
	Projects & Planning	5	\$	564,524	5	\$	323,992
	Forest Resources Total	127	\$	21,340,273	127	\$	23,429,958
	Product Sales	188	\$	18,832,254	188	\$	18,211,616
Product Sales & Leasing	Leasing & Business	31	\$	3,300,506	31	\$	3,258,423
	Agriculture	22	\$	1,988,374	22	\$	4,264,586
	Product Sales & Leasing Total	241	\$	24,121,134	241	\$	25,734,625
Caracamatica	Natural Areas & Natural Heritage	16	\$	1,732,348	16	\$	1,718,404
Conservation, Recreation	Recreation& Public Use	39	\$	4,278,494	39	\$	4,950,300
& Transactions	Asset Planning & Appraisals	13	\$	1,709,569	13	\$	1,364,942
G Truttoustroits	Teanaway Community Forest Trust	2	\$	431,339	2	\$	445,226
Conservation, Recreation & Transactions Total		70	\$	8,151,750	70	\$	8,478,872
	Forest Roads	73	\$	10,007,986	73	\$	11,378,334
Engineering	Title & Records	11	\$	784,831	11	\$	797,601
	Geomatics & Public Land Survey Office	36	\$	3,799,782	36	\$	3,815,044
Engineering Total		120	\$	14,592,599	120	\$	15,990,979
State Lands Operations	SL Operations & Retention	9	\$	780,638	9	\$	715,157
State Lanus Operations	SL Infrastructure	0	\$	1,838,816	0	\$	1,515,531
State Lands Operations Total		9	\$	2,619,454	9	\$	2,230,688
Uplands Total		567	\$	70,825,210	567	\$	75,865,122

FY 2021: Region & Division FTEs and Operating Expenditures

		Region FTEs	Region Expenses	Division FTEs	Division Expenses
Forest Resources	Silviculture, Webster Nursery, Seed Orchard & Seed Center	31	\$ 10,785,851	43	\$ 6,848,539
	Habitat Conservation & Scientific Consultation	7	\$ 735,856	23	\$ 2,501,869
	Informatics	0	\$ 22,742	18	\$ 2,211,110
	Projects & Planning	0	\$ -	5	\$ 323,992
Forest Resources Total		38	\$ 11,544,449	89	\$ 11,885,510
Product Sales & Leasing	Product Sales	177	\$ 16,542,824	11	\$ 1,668,791
	Leasing & Business	13	\$ 1,239,282	18	\$ 2,019,141
Leasing	Agriculture	16	\$ 1,323,873	6	\$ 2,940,712
Product Sales & Leasing Total		206	\$ 19,105,979	35	\$ 6,628,644
0	Natural Areas & Natural Heritage	5	\$ 530,902	11	\$ 1,187,502
Conservation, Recreation & Transactions	Recreation& Public Use	30	\$ 3,930,304	9	\$ 1,019,996
	Asset Planning & Appraisals	1	\$ 191,460	12	\$ 1,173,482
Transactions	Teanaway Community Forest Trust	2	\$ 442,582	0	\$ 2,643
Conservation, Recreation & Transactions Total		38	\$ 5,095,248	32	\$ 3,383,623
	Forest Roads	63	\$ 9,737,857	10	\$ 1,640,476
Engineering	Title & Records	0	\$ -	11	\$ 797,601
	Geomatics & Public Land Survey Office	10	\$ 1,095,894	26	\$ 2,719,150
Engineering Total		73	\$ 10,833,751	47	\$ 5,157,227
State Lands Operations	SL Operations & Retention	0	\$ 47,598	9	\$ 667,558
	SL Infrastructure	0	\$ 90,465	0	\$ 1,425,065
State Lands Operations Total		0	\$ 138,063	9	\$ 2,092,623
Uplands Total		355	\$ 46,717,490	212	\$ 29,147,627





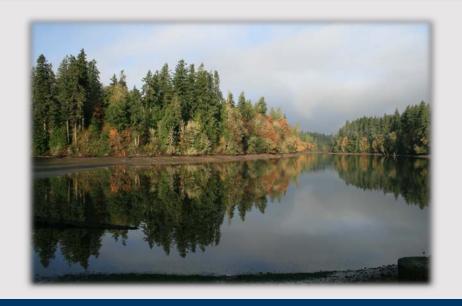






Trust Land Transactions

DNR utilizes a variety of land transaction mechanisms to meet DNR's fiduciary obligations, as well as ecological and social goals, through strategically repositioning land assets and enhancing the trust land portfolio



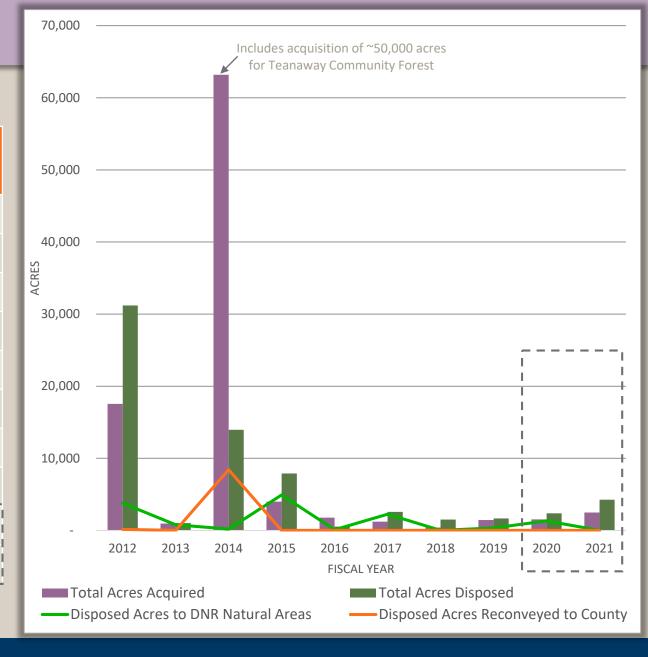


Trust Land Transactions: FY 2012-2021

Fiscal Year	Acquired Trust Land Total Acres	Disposed Trust Land Total Acres	
2012	17,549	31,204	
2013	955	1,015	
2014	63,203	13,963	
2015	3,983	7,891	
2016	1,770	527	
2017	1,215	2,582	
2018	407	1,515	
2019	1,447	1,670	
2020	1,523	2,361	
2021	2,493	4,258	

Fiscal Year	Disposed Trust Land Acres to DNR Natural Areas	Disposed Trust Land Acres Reconveyed to County				
2012	3,777	150				
2013	788	-				
2014	191	8,420				
2015	5,467	-				
2016	160	-				
2017	2,249	-				
2018	-	-				
2019	331	-				
2020	1,328	-				
2021	-					

Exchanged acres are included in acquired and disposed totals





Updates on Selected Complementary & Supporting Upland Programs







- Reforestation Operations
- Forest Health and Silviculture
- Habitat Conservation Plan Monitoring
- Road Management
- Photogrammetry
- Conservation
- Recreation







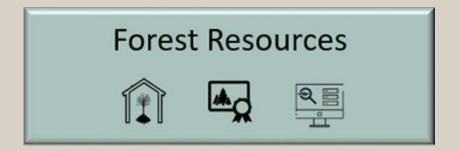






Reforestation Operations

Webster Forest Nursery, The Seed Center, Meridian Seed Orchard and Region Field Work





Webster Nursery:

Sowing and growing of seedlings for reforestation of DNR-managed lands, and other public and private forestlands



The Seed Center:

Collection and processing of forest tree cones and seed storage



Research and cultivation of robust and desirable seeds



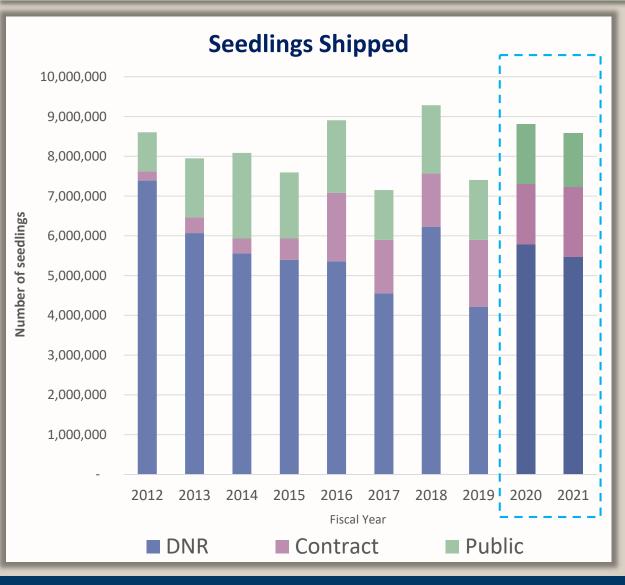






Reforestation Operation Updates





Webster Nursery:



High production rate while ensuring safe working environment



- No COVID-19 infections in the facility
- Earliest harvest completion in a decade



Above average pace of transplanting







Reforestation Operation Updates:





Updating critical infrastructure

- Improvements to nursery irrigation wells now at full capacity
- Upgraded and maintained existing buildings and equipment
- Obtained funding for new seed processing center design and new seedling cooler

Working with USFS to improve federal seed orchards and collaborate on production and research efforts

Studying seed adaptation & migration to address climate change

- Planting 5 sites every year throughout region for broad and robust data
- Inform choices to adapt to climate change for seeds, cones, and trees
- Partnerships with multiple organizations on the implementation and research





Forest Health and Silviculture





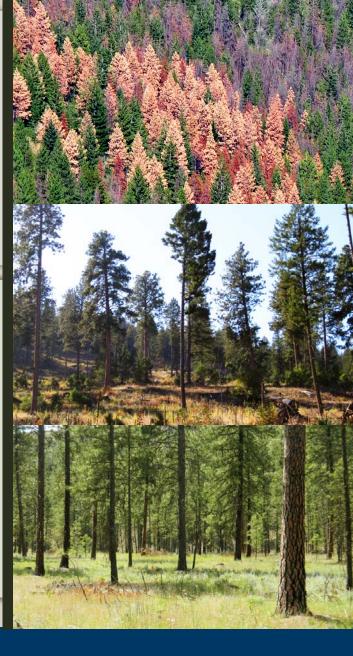
What do we mean by Forest Health?

"The condition of a forest being sound in ecological function, sustainable, resilient, and resistant to insects, diseases, fires and other disturbances, and having the capacity to meet landowner objectives" (RCW 76.06.020)

How does DNR achieve and/or maintain Forest Health?

Through forest health treatments:

"... actions taken by the department to restore forest health, including, but not limited to, sub-landscape assessment and project planning, site preparation, reforestation, mechanical treatments including timber harvest, road realignment for fire protection and aquatic improvements, and prescribed burning" (RCW 79.10.520)



Forest Health & Silviculture Treatments

Commercial Treatments:



Treatments that generate revenue from forest products removed

Examples:

- Variable Retention Harvest (VRH)
- Commercial Thinnings
- Uneven-aged Management

Non-Commercial Treatments:



Treatments that produce little or no valuable products to offset cost of treatments, yet move the stand to a more desirable future condition

Examples:

- Site preparation
- Reforestation (hand-planting)
- Vegetation management
- Pre-commercial thinning (PCT)

What is Silviculture?

The art and science of controlling the establishment, growth, composition, health, and quality of forests and woodlands to meet diverse needs



Updates:



- New State Lands Forest Health Program Manager
- Salvage operations have begun
- Planned increase in forest health treatments over previous biennium

Challenges:

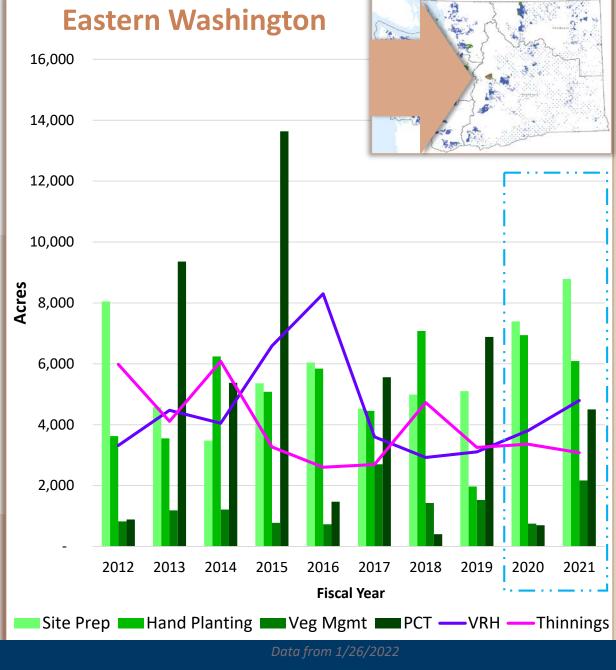


- Significant wildfire season this biennium reduced staff time dedicated to forest health-related work
- Salvage operations are time sensitive and can impact planned harvest schedule

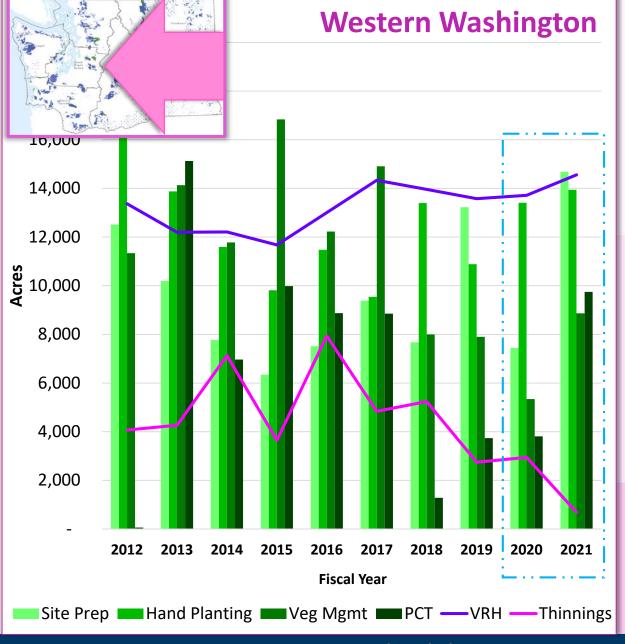
Opportunities:



 Developing burn plans for prescribed burning in spring 2022







- New silviculture scientist hired
- Received outside funding:
 - Arbor Day Grants in FY 2020 & 2021 (\$169 and \$467K) for special projects
 - HB 1168 Forest Action Plan objectives

Challenges:

Updates:



- Backlog of silviculture needs
- Need for long-term silviculture funding
- COVID-19 related labor availability and costs

Opportunities:



 Legislative funding request in 2023 for silviculture (\$3.9M)



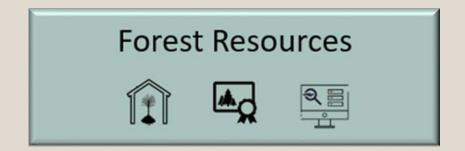






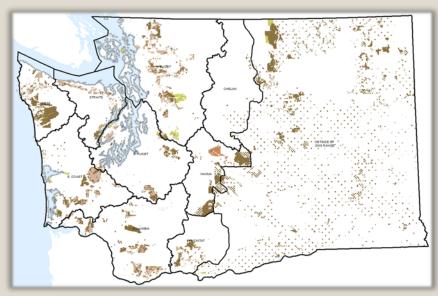


Habitat Conservation Plan Update





Habitat Conservation Plan (HCP)



HCP Planning Units

~825,000 acres of conservation statewide under the HCP

Long-term management plan required for an Incidental Take Permit

Strategies in the HCP



- Northern Spotted Owl
- Marbled Murrelet
- Riparian
- Uncommon Habitats









Brief Overview of the HCP Strategies

Northern Spotted Owl

Provides habitat that makes a significant contribution for:

- Demographic support
- Species distribution
- Dispersal

Provides nesting habitat across the landscape

Riparian

- Maintains or restores salmonid freshwater habitat
- Contributes to the conservation of other aquatic and riparian obligate species



Marbled Murrelet

- Maintains occupied sites
- Increases habitat capacity and promotes development of high-quality habitat
- Meters harvest of released habitat for the first decade to maintain current capacity

Uncommon Habitats

For species that rely on uncommon habitats or habitat elements

- Talus
- Caves
- Cliffs
- Oak Woodlands

- Balds
- Mineral Springs
- Large structurally unique trees
- Snags



HCP Research, Monitoring, and Reporting

Implementation monitoring

Determines whether the strategies are being implemented as written (also known as compliance monitoring)

Example projects:

- Uncommon habitats
- Large, structurally unique trees and snags
- Road crossings over streams

Effectiveness monitoring

Determines if implementation has resulted in the expected habitat conditions

Example project:

 Northern Spotted Owl Habitat Effectiveness Monitoring

Validation monitoring

Evaluates the habitat conditions and the effect on the fish and wildlife populations

Example project:

Riparian Validation
 Monitoring Program



The HCP Annual Report is a summary of management activities completed on DNR lands managed under the HCP, monitoring and research efforts, and conservation strategy progress

https://www.dnr.wa.gov/programs-and-services/forest-resources/habitat-conservation/monitoring-and-reporting



Olympic Experimental State Forest (OESF) Type-3 Watersheds **Snorkel Reach**

Looking at habitat conditions in streams and the effect on Salmonids

Riparian monitoring is an ongoing program for the HCP

Riparian Validation Monitoring in the OESF

Type 3 Streams – 50 streams throughout OESF

(Smallest fish-bearing streams)

Key findings:

Component #1

#2

- Overabundance of mid-successional forest with dense canopies
- Decreases instream wood and blocks sun to streams
- Limits trout and salmon recovery
- Next steps Examine current and alternative management with T3 watershed experiment

Clearwater River - 12 kilometer section

Type 1 Stream – (classified as "Shoreline of the state")

• Key findings: Component

Low structural complexity due to decreased wood and history of landslides

 Next steps - Working with the Quinault 'lead entity' to prioritize future restoration activities

> Snorkel and habitat surveys



Electrofishing and habitat surveys











DNR-Managed Roads and Photogrammetry





DNR Roads Management

Over 14,000 miles of usable, maintained roads on DNR-managed lands

DNR-managed roads are primarily built and maintained by timber harvests

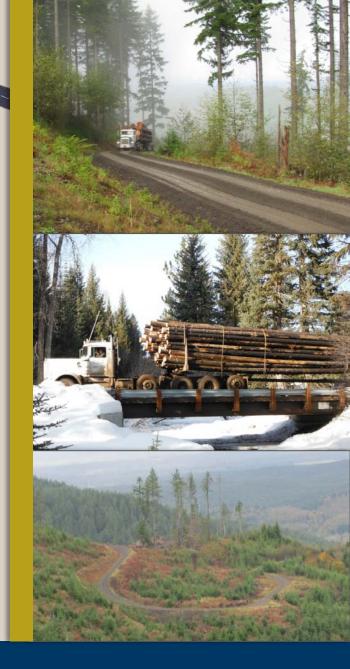
The roads provide multiple benefits for forest management and public access

FY 2020: 12 bridges were installed (new or replaced)

FY 2021: 15 bridges were installed (new or replaced)

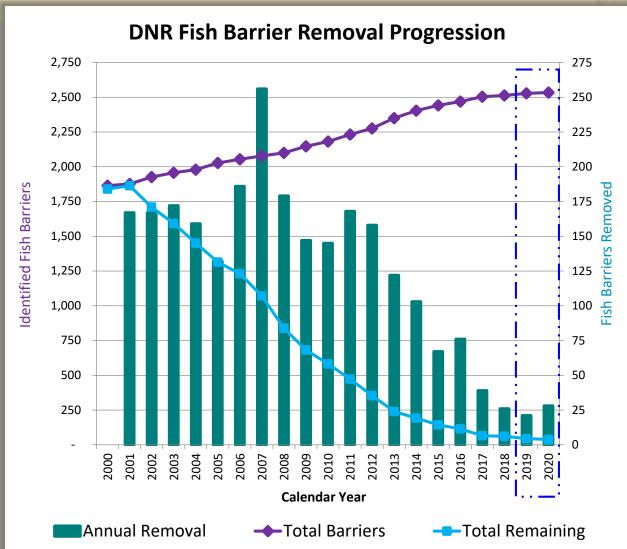


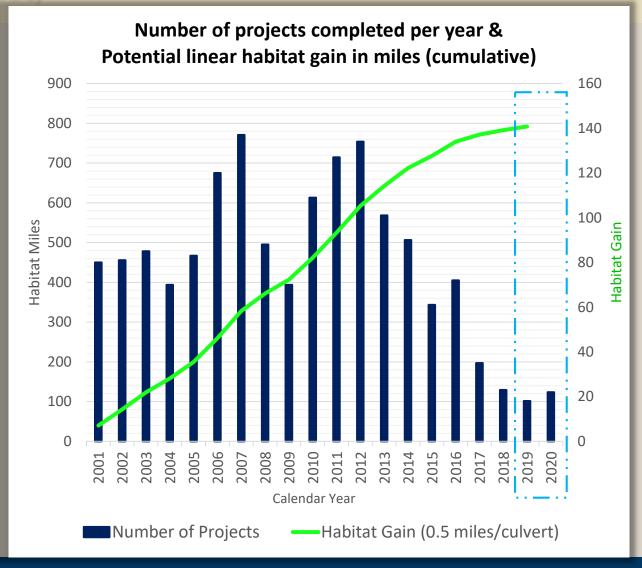
In some areas roads may be gated and locked for public safety, road damage mitigation, or natural resource protection



Road Maintenance and Abandonment Plans

(RMAPs)







Photogrammetry

The science of using aerial imagery to create geospatial products



Orthophotos (GIS)



Historical Aerial Imagery Archive



By using overlapping images, a stereo model can perform 3-D measurements such as calculate the height of tree or the volume of gravel removed from a pit



Digital Aerial Photogrammetry



Digital Aerial Photogrammetry

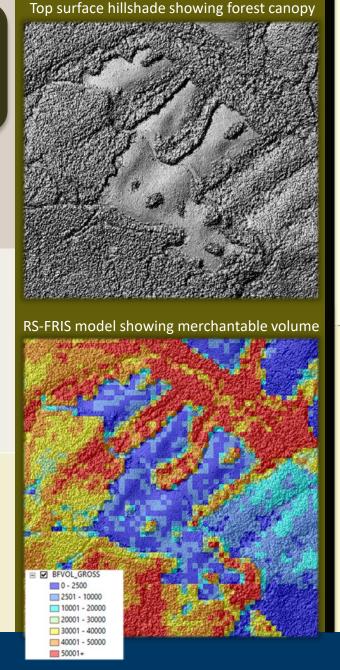
High-resolution 3-D model of the forest

Core of DNR's inventory: RS-FRIS

Process and analyze DAP to build models and predict about 40 different forest inventory attributes such as tree diameter, timber volume, carbon, and trees per acre

Examples of uses:

- Timber sales planning
- Wildlife habitat mapping
- Sustainable Harvest Calculation input



Challenges:



 Washington's rugged terrain and heavy forest cover requires advance flight planning, proper camera systems, and advanced photogrammetric experience

Converting historic aerial film to digital

Opportunities:



- Share expertise with external state and federal agencies, as well as vendors who collect aerial imagery
- Developed work flow process to perform aerial triangulation with no initial GPS data





Conservation and Recreation

Conservation, Recreation & Transactions









Natural Areas Program

Conserving Washington's native species and ecosystems, today and for future generations

Natural Area Preserves:

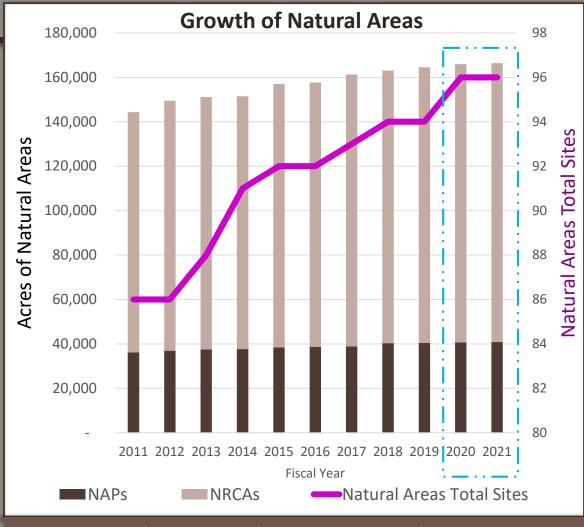
Protect best remaining examples of ecological communities including rare plant and animal habitat





Natural Resources Conservation Areas:

Protect outstanding examples of native ecosystems, habitat for endangered, threatened and sensitive plants and animals, and scenic landscapes



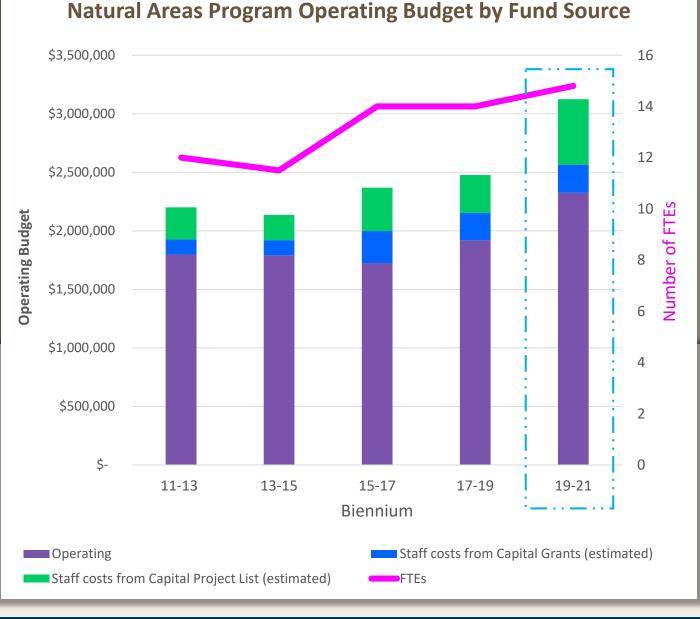
Natural Areas provide important contributions to DNR's Habitat Conservation Plan obligations as well as provide habitat for ~44 other federally listed or 'special-status' animal and plant species





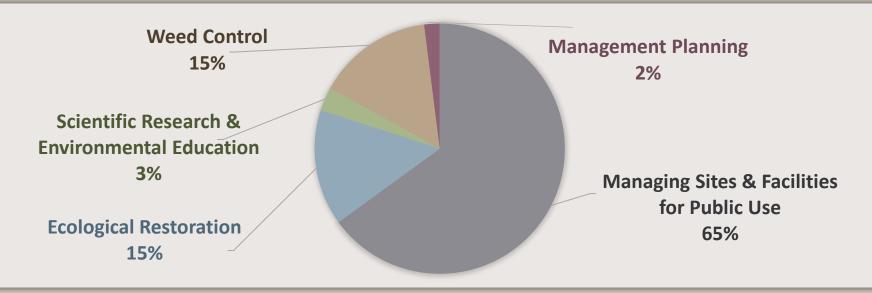
'Operating' funds include a mixture of federal, state, and local operating grants

Capital Grants and Capital Project List funds are estimated staff costs only, and do not include purchased items





Natural Areas Program Activities



FY 2020 & 2021 Program Highlights:

- Newly installed or renovated public amenities at several sites (Point Doughty NAP, Merrill Lake NRCA, Morning Star NRCA, Lummi Island NRCA)
- Confirmation of habitat use by threatened or sensitive species (Sandhill cranes at Trout Lake NAP & Slender-billed nuthatch at Lacamas Prairie NAP)
- Progress or completion of ecological restoration projects (Woodard Bay NRCA, Elk River NRCA, Davis Canyon NAP, Riverside Breaks NAP, Methow Rapids NAP)

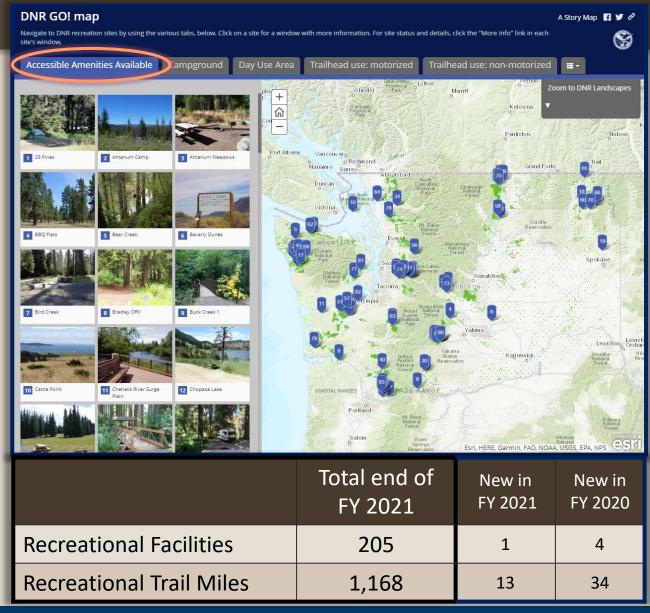




www.dnr.wa.gov/go

Recreation Program







Recreation on state trust lands is additional to and compatible with trust management activities

Multiple Use Concept (RCW 79.10.100-140)

Recreation in Working Forests

Example: Capitol State Forest



56,000+ MBF for FY 2020

58,000+ MBF for FY 2021



167 miles of Recreational Trails



17 Recreational Facilities



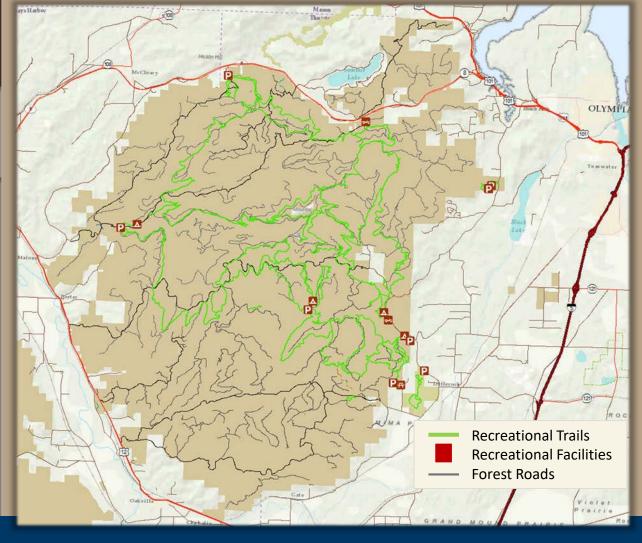
600+ miles of Forest Roads

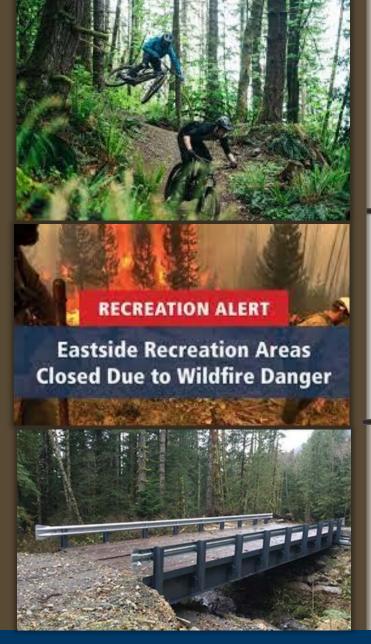
500,000+ Recreational Visitors Annually

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

Capitol State Forest

West and southwest of Olympia, WA ~110,000 acres





Updates



- Partnered with WDFW, Parks, and RCO to commission a use study
- Became a founding member of the Recreate Responsibly Coalition
- Completed numerous trail, trailhead and campground statewide

Challenges



- Statewide recreational closures due to COVID
- Eastside recreational closures due to extreme wildfire risk
- Decreased funding during increased recreational use

Opportunities



- Engaging in initial outreach with tribes and recreation users on Statewide Recreation Plan
- Continuing to partner with Timber Sales Program on projects and trust land outreach in recreational areas



