

Impacts of Arrearage on the Sustainable Harvest Calculation

A report to the Board of Natural Resources

presented by

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Purpose

• To compare arrearage scenarios by their relative effects on harvest levels.

The following scenarios are for comparative purposes only. These numbers should only be viewed in the context of this exercise, as further choices around the Sustainable Harvest Calculation will influence final volume levels.



Trust Mandate

As manager of state trust lands, DNR has legal fiduciary responsibilities under the State Constitution 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



RCW 79.10.300

Volume we planned to sell

- Volume we sold

Arrearage

Arrearage

If an arrearage exists, then the department will:

RCW 79.10.330

Conduct an analysis

- Identify greatest return to the trusts
- Offer for sale the arrearage in addition to the sustainable harvest level, if in the best interests of the trusts





Western Washington FY 2005-2014

Volume we planned to sell

- Volume we sold

Arrearage

5,500 MMBF

- 5,038 MMBF

462 MMBF



Arrearage by Sustainable Harvest Unit



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Arrearage by Sustainable Harvest Unit

Only Sustainable Harvest Units in Arrears

702 mmbf

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Choices that had to be made

- Is the arrearage 462 or 702?
- If not rolled in, when should it be offered? 10 years, or less?

Arrearage Options

Why was there an arrearage?

Trust Land	Riparian	Murrelet	Financial
Transfers	Harvests	Conservation	Resources
302 MMBF	346 MMBF	371 MMBF	
transferred	unharvested	in deferred status	

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Arrearage Scenarios

Scenario Harvest Levels

Decade 1 Harvest Level (MMBF) By Arrearage Scenario

	Rolled In	462 MMBF / 1 Year	702 MMBF / 5 Years	462 MMBF / 10 Years
Sustainable Harvest Level	4,644	4,310	4,148	4,310
Arrearage Harvest	0	462	702	462
Total Harvest	4,644	4,773	4,850	4,773

Why these outcomes?

Arrearage explained

Decade 1

Collect Inventory

Calculate Harvest Level

Calculate Harvest Level 3 trees

Implement harvest schedule

Implement harvest schedule 2 of 3 were cut

Implement harvest schedule 2 of 3 were cut, 1 became the arrearage

Arrearage

Decade 2

Arrearage

Collect Inventory

Arrearage

Calculate Harvest Level - Options

Calculate Harvest Level - Options Option 1 – Roll it in

Calculate Harvest Level - Options Option 1 – Roll it in

Calculate Harvest Level - Options Option 1 – Roll it in Sustainable Harvest Level = 4 trees

Calculate Harvest Level - Options Option 2 – Take it out, add it back

Calculate Harvest Level - Options Option 2 – Take it out, add it back

Sustainable Harvest Level (3 trees) + Arrearage (1 tree) = Total Harvest 4 trees

What you <u>can't</u> do is cut 5

What you <u>can't</u> do is cut 5 WRONG 2 3 Arrearage Arrearage arrearage entire inventory

Inter-decadal differences

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Scenario Harvest Levels

Arrearage

Scenario Harvest Volumes (MMBF)

	Decade 1	Decade 2	Decade 3	Total
Rolled In	4,643	4,513	4,657	13,815
462 MMBF / 10 Years	4,773	4,439	4,609	13,821
702 MMBF / 5 Years	4,850	4,362	4,579	13,792
462 MMBF / 1 Year	4,773	4,439	4,609	13,821

By Sustainable Harvest Unit

Decade 1 Harvest Volumes (MMBF/Year)

	2007 Projection	Rolled In	462 MMBF in 10 Years	702 MMBF in 5 Years	462 MMBF in 1 Year
Skamania	5.8	8.0	9.0	9.4	9.0
OESF	52.6	80.7	90.4	94.3	90.4

In Conclusion

This presentation was to compare arrearage scenarios by their relative effects on harvest levels.

The previous scenarios were for comparative purposes only. Those numbers should only be viewed in the context of this exercise, as further choices around the Sustainable Harvest Calculation will influence final volume levels.

