WASHINGTON STATE DEPARTMENT OF

Natural Resources

Peter Goldmark - Commissioner of Public Lands

Western Washington Sustainable Harvest Calculation

For forested State Trust Lands
A Report to the
Board of Natural Resources

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April 2014

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www.dnr.wa.gov

Sustainable Harvest Topics

- February and March
  - Reviewed RCW's, Policy
  - 2004 and 2007 calculations
  - Modeling assumptions
  - Review of past decade
- This Month
  - Arrearage

- Arrearage
  1. The condition of being in arrears.
  2. The amount overdue.

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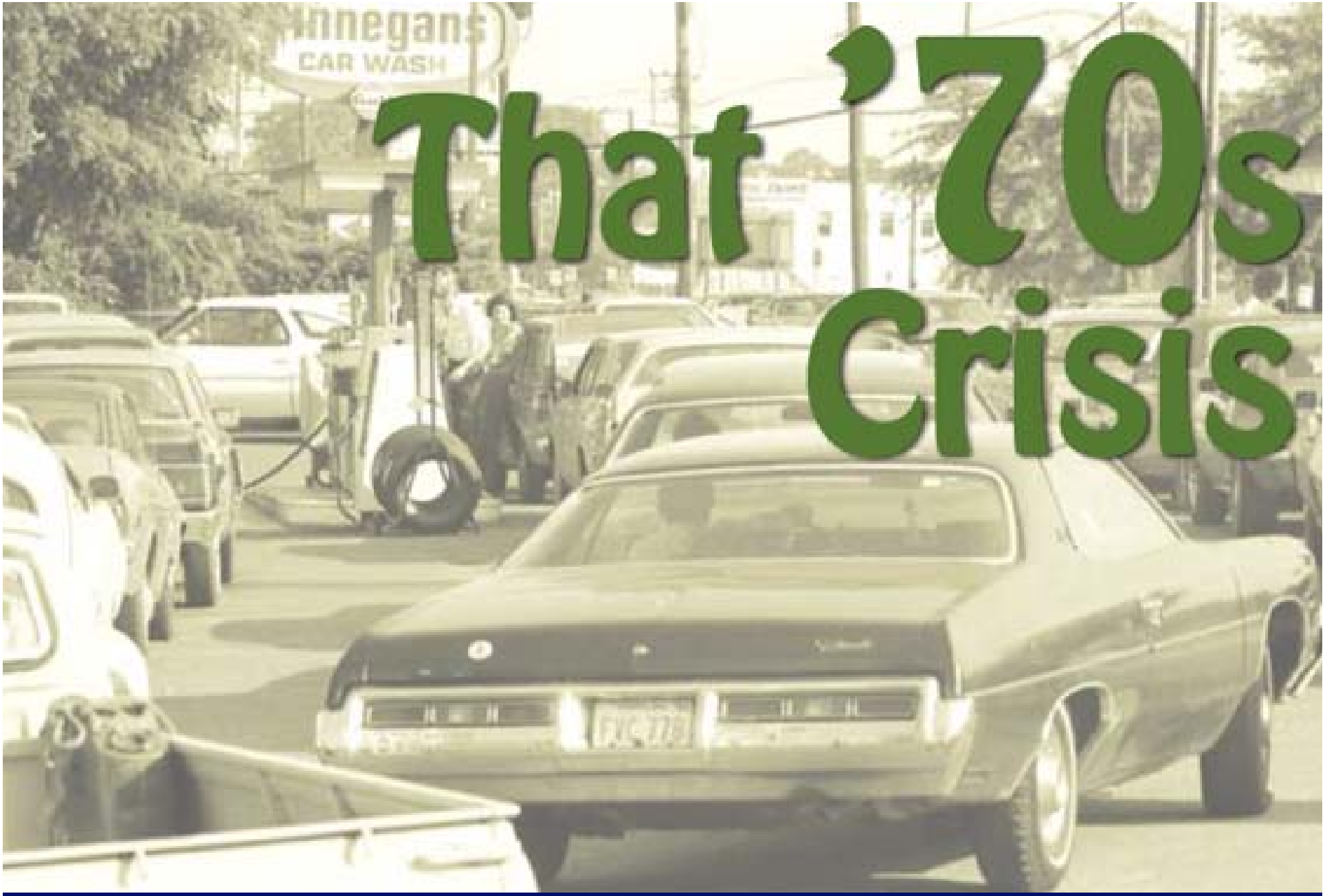
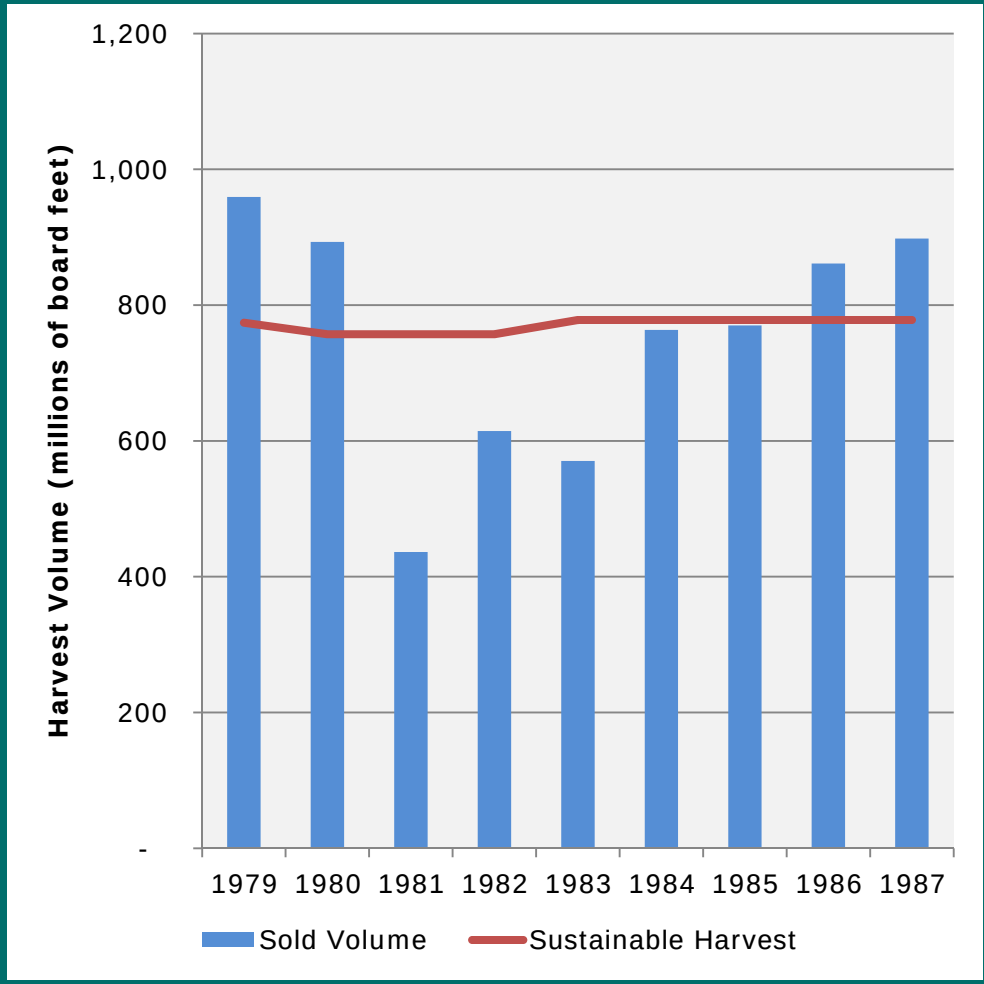

That '70s Crisis

Historical Context

- 1981
  - The timber market was in a shambles
- 1982
  - Forest Products Industry Recovery Act
- 1984
  - Skamania vs. State Supreme Court decision
- 1987
  - Arrearage Act passed



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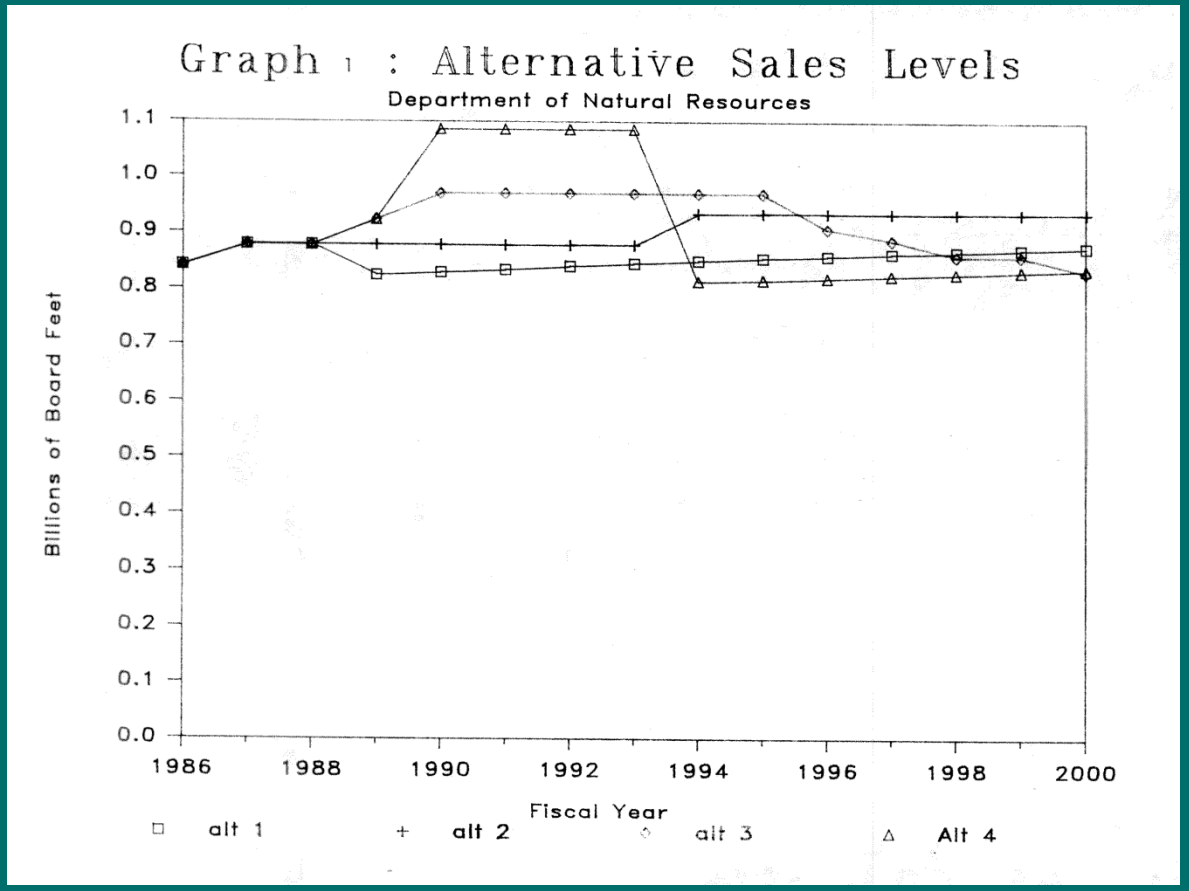
DNR's 1980's Harvest Policies

- Even-flow
- Five sustain-able harvest units
- Old-growth
- Regulatory certainty



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Arrearage

- RCW 79.10.330
  - Arrearages — End of decade.

    If an arrearage exists at the end of any planning decade, the department shall conduct an analysis of alternatives to determine the course of action regarding the arrearage which provides the greatest return to the trusts based upon economic conditions then existing and forecast, as well as impacts on the environment of harvesting the additional timber. The department shall offer for sale the arrearage in addition to the sustainable harvest level adopted by the board of natural resources for the next planning decade if the analysis determined doing so will provide the greatest return to the trusts.

DRAFT subject to Change

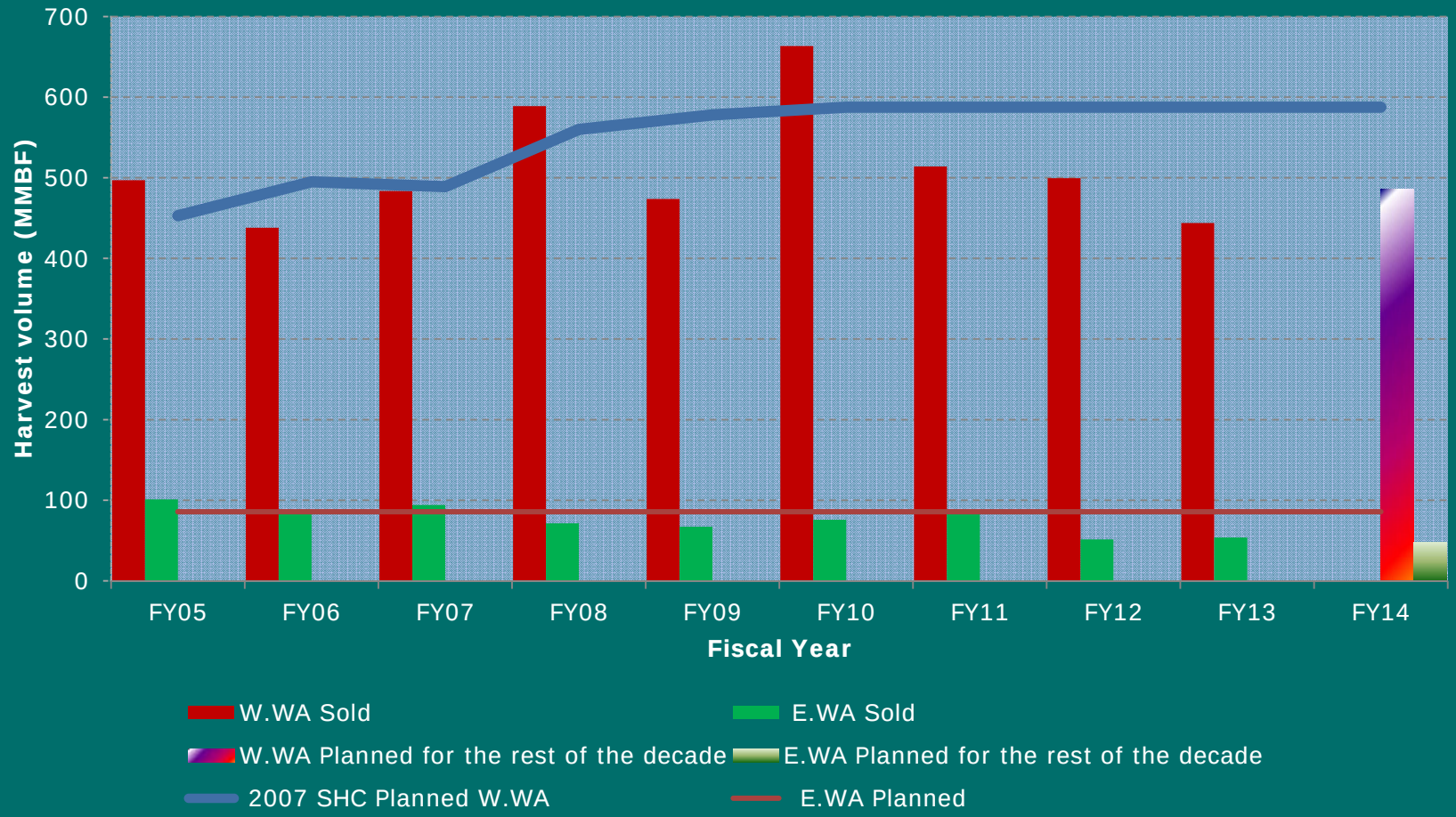
Arrearage as part of the Sustainable Harvest Calculation

If an arrearage exists....

The Department will analyze options of when to harvest it considering the economics and environmental impacts.

Timber Volume Sold

FY05-FY13 Sold Sales + Projected Sustainable Harvest Targets to End of Planning Decade



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Reported Harvest across Land Classes

	Harvest Volume (MMBF) by Treatment		
Land Classes	Regeneration	Thinnings	Total
GEMS (35%)	3,221 (115%)	108 (18%)	3,328 (98%)
UPLANDS (33%)	956 (65%)	210 (83%)	1,166 (68%)
RIPARIAN (32%)		39 (10%)	39 (10%)
Total	**4,177 (95%)**	**357 (33%)**	**4,533 (82%)**

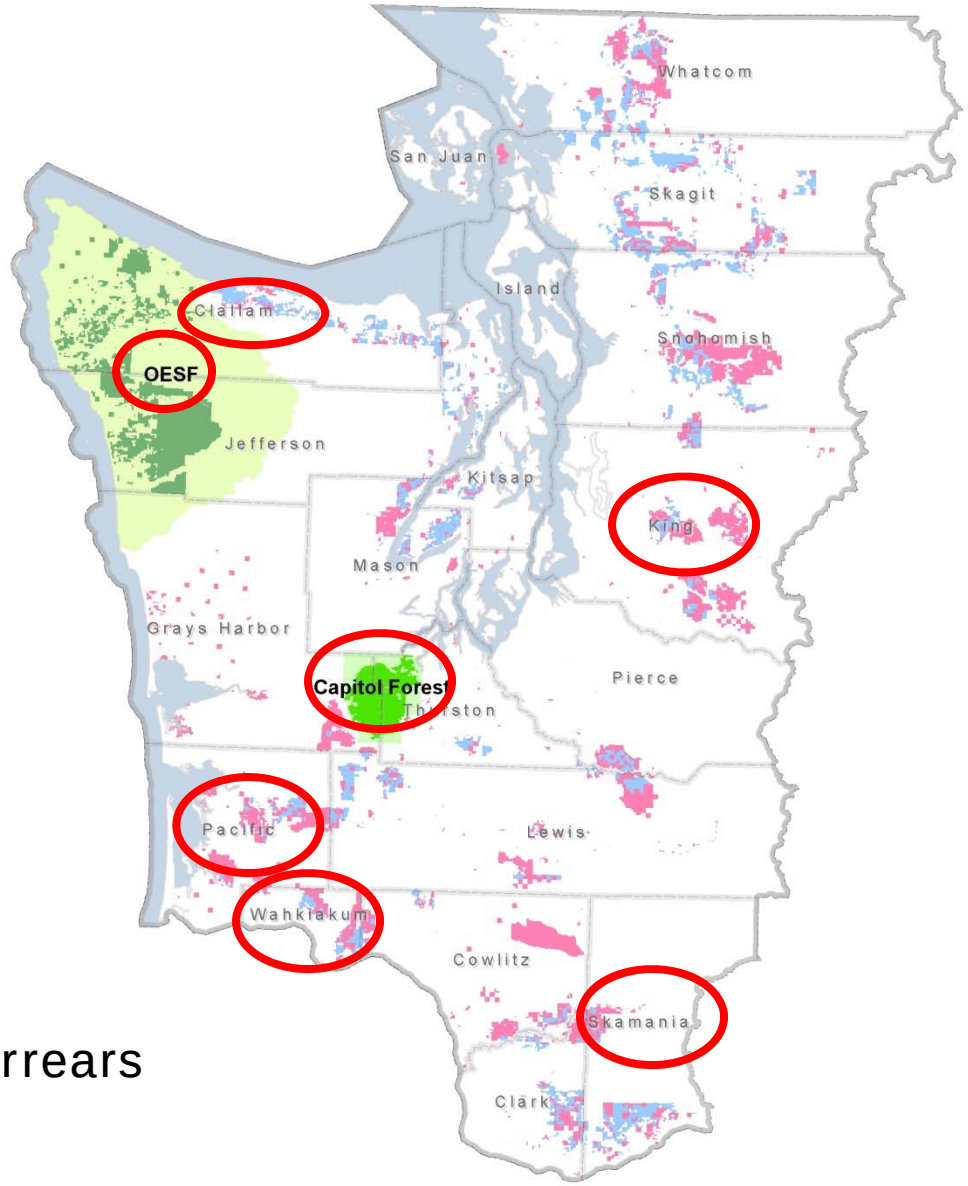
Values equal harvest volume sold after 9 years
Percentage represent the sold harvest volume as a portion of the projected volume from the 2007 sustainable harvest calculation

Policy for Sustainable Forests

OF the
20
Sustainable Harvest Units

8 are in arrears

- Federal Granted Trusts and SFP
- OESF
-Capitol
- Clallam
- King
- Pacific
-Skamania
Wahkiakum



In arrears

Sustainable Harvest Units Potentially in Arrears

Values in million of board feet

Sustainable Harvest Units	Sustain-able Harvest Target	Sold Volume	Potential Arrear-age Volume
Federally Granted lands & SFB Purchase	2,485	2,109	376
Olympic Experimental State Forest	575	332	243
Capitol Forest	490	433	57
Clallam County State Forest Transfer	185	158	27
King County State Forest Transfer	88	71	17
Pacific County State Forest Transfer	95	86	9
Skamania County State Forest Transfer	60	35	25
Wahkiakum County State Forest Transfer	75	56	19
Total	4,053	3,280	772


Riparian

Adjustment of Riparian Volume

Values in million of board feet

Sustainable Harvest Units	Sustainable Harvest Target	Sold Volume	Riparian Volume	Potential Arrearage Volume
	a	*b*	*c*	*=a-b-c*
Fed. Grants & SFB	2,485	2,109	91	285
OESF	575	332	189	55
Capitol Forest	490	433	16	40
Clallam	185	158	1	26
King	88	71	0	17
Pacific	95	86	4	4
Skamania	60	35	3	22
Wahkiakum	75	56	2	17
Total	4,053	3,280	307	466


Marbled
murrelet

Adjustment for Marbled Murrelet Area

Values in million of board feet

Sustainable Harvest Units	Sustainable Harvest Target	Sold Volume	Riparian Volume	Marbled Murrelet Areas	Potential Arrearage Volume
	a	*b*	*c*	*d*	*=a-b-c-d*
Fed. Grants & SFB	2,485	2,109	91	223	61
OESF	575	332	189	50	5
Capitol Forest	490	433	16	34	7
Clallam	185	158	1	38	-12
King	88	71	0	0	17
Pacific	95	86	4	12	-7
Skamania	60	35	3		22
Wahkiakum	75	56	2	14	3
Total	**4,053**	**3,280**	**307**	**371**	**95**

Land Transactions

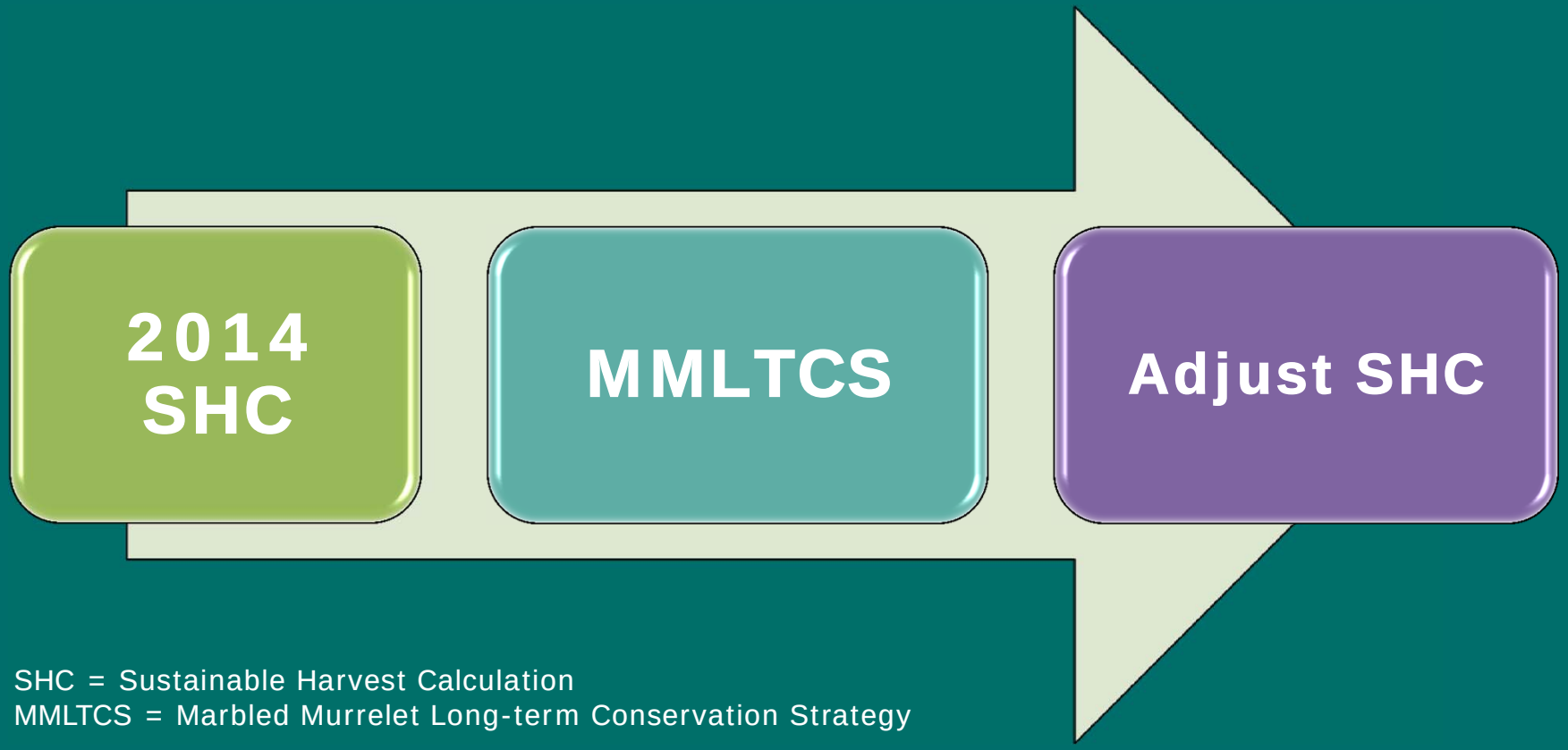
- Over time, transactions result in disposal of mature forests and acquisition of young forests

Sustainable Harvest Calculation

Timeline

Timeline – the longer term

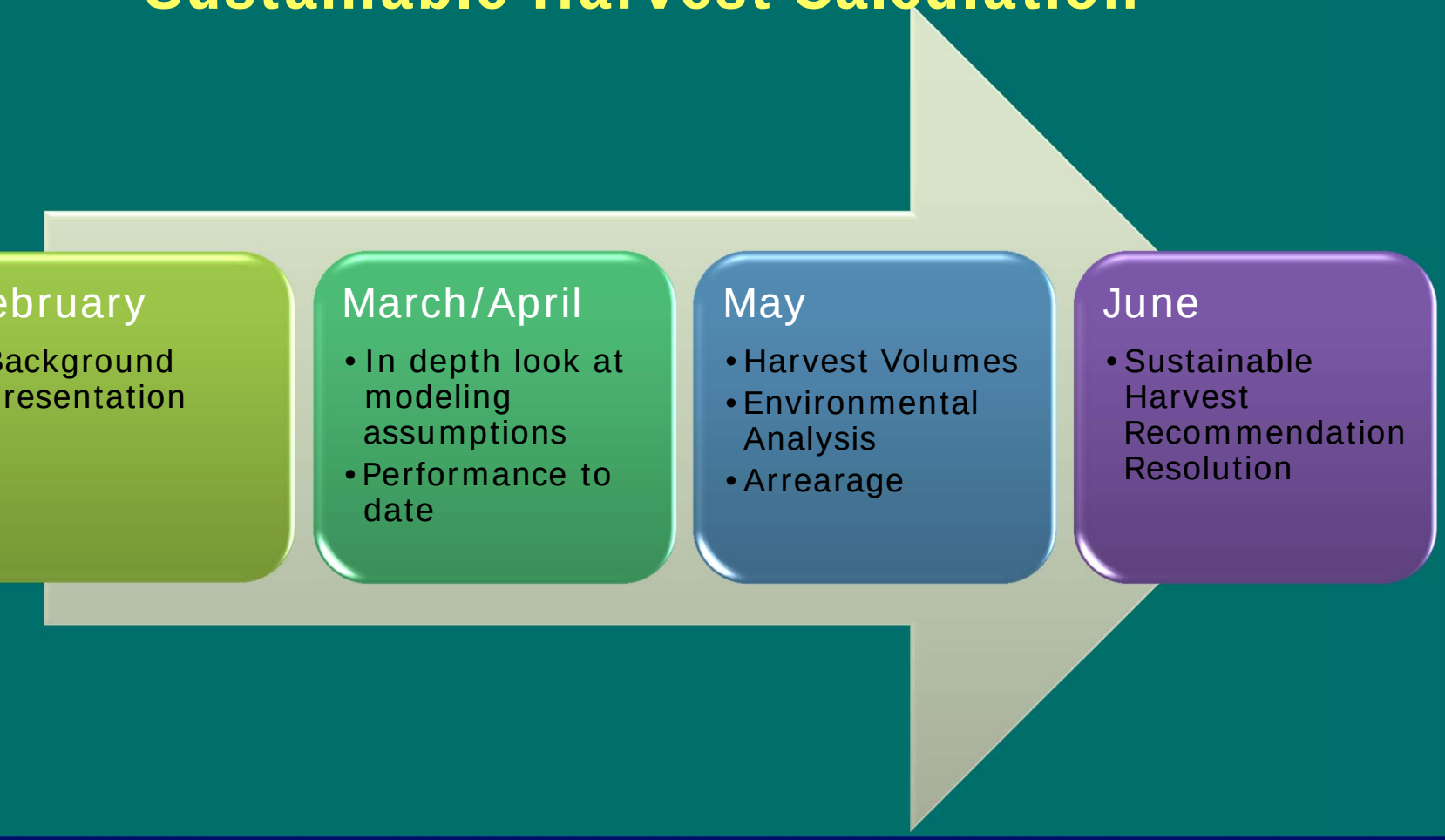
Major State Lands Planning Projects



SHC = Sustainable Harvest Calculation
MMLTCS = Marbled Murrelet Long-term Conservation Strategy

Timeline – Short Term

Sustainable Harvest Calculation



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