

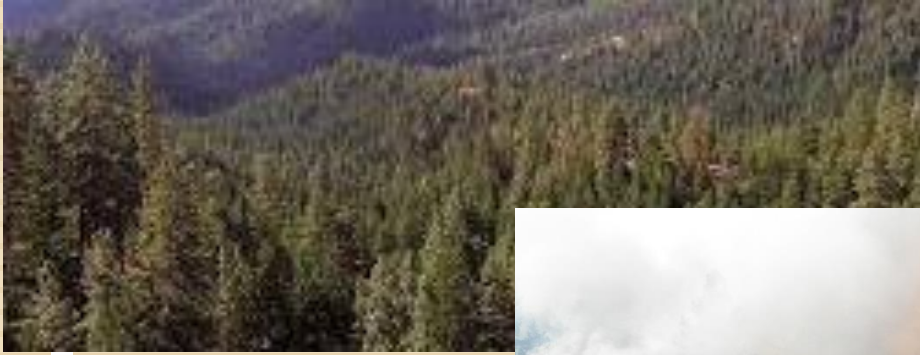
SOME THOUGHTS ON RESTORATION HARVESTING ON THE OKANOOGAN- WENATCHEE NATIONAL FOREST

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Okanogan-Wenatchee National Forest

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A Need for Restoration

A beautiful place, with a fire problem ...

Identified Mechanical Treatment Needs

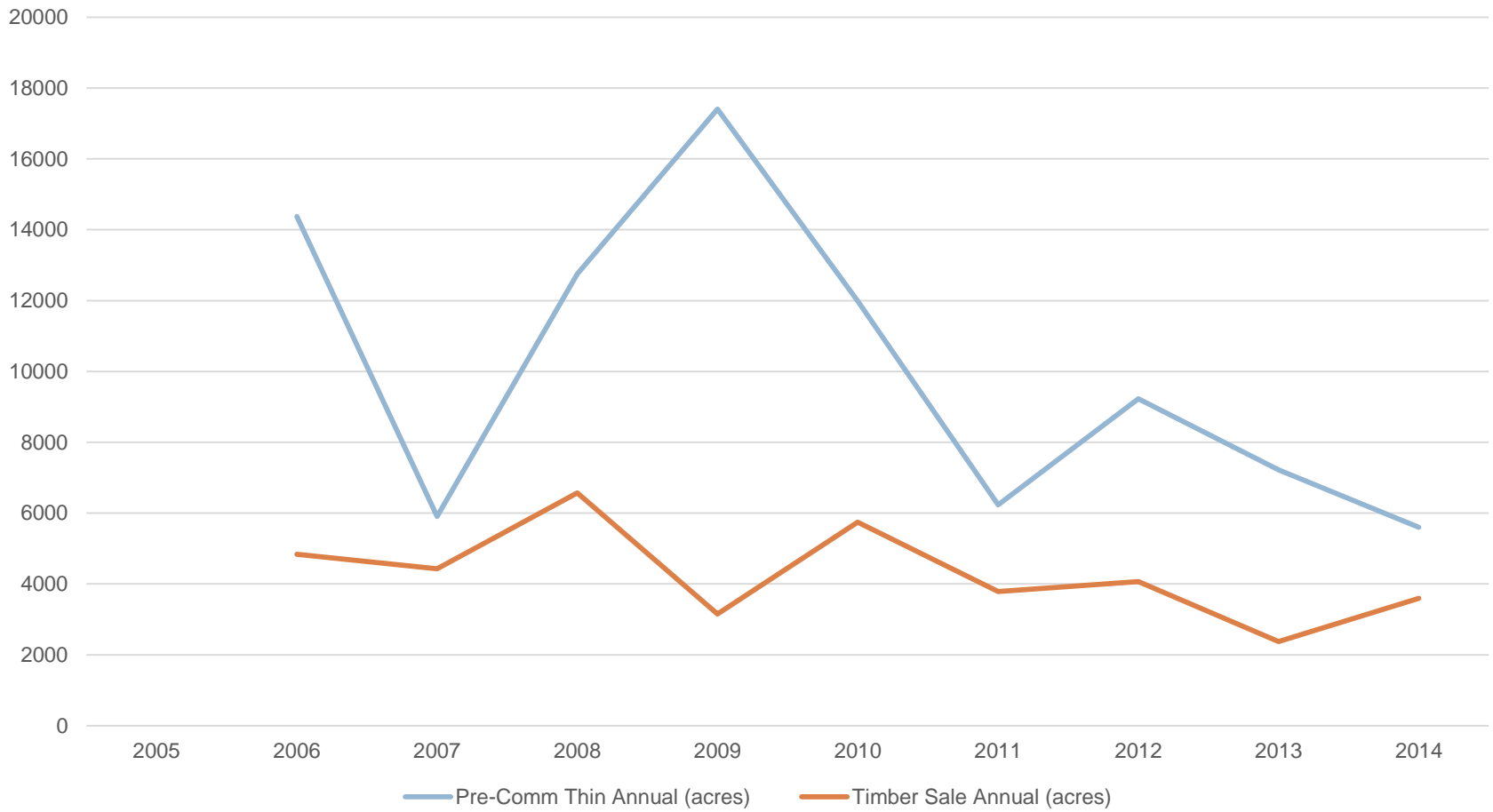
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	All Dist. Rest. Needs*	Proportion of All Disturbance Restoration Needs		
		Uplands <45% Slope	Uplands >45% Slope	Restricted Mgmt.
	ac.	ac.	ac.	ac.
Okanogan Co.	373,000	151,000	39,000	183,000
Chelan Co.	176,000	21,000	21,000	134,000
Kittitas Co.	61,000	17,000	6,000	38,000
Yakima Co.	95,000	24,000	5,000	66,000
Klickitat Co.	2,000	1,000		1,000
Total	707,000	214,000	71,000	422,000

Source: Haugo & Robertson

Harvest/PCT Acres by Year

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Time Required to Treat Acres in Need

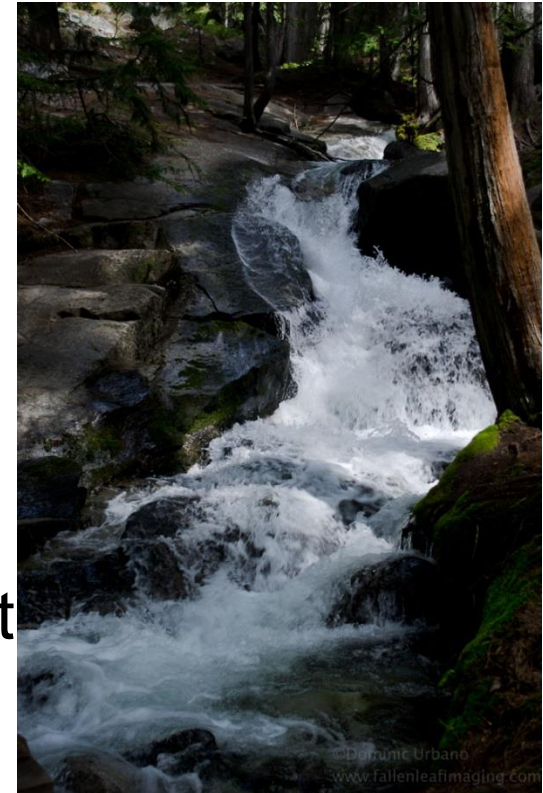
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- Uplands < 45% Slope: 50 years
- Uplands > 45% Slope: 17 years
- Total: 66 years

What Could We Realistically Expect

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- No one really expects all of the land identified as in need of restoration will be treated in the short run or likely in the long run
 - ▣ Ecological Issues
 - ▣ Access Issues
 - ▣ USFS Staffing/Funding levels
 - ▣ Some of it will likely burn
 - ▣ Social Concerns
 - ▣ Insufficient volume/acre for harvest



What Could We Realistically Expect

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- Lets Consider a Ten Year Horizon
 - ▣ Mechanical Treatment at current levels:
42,850 acres
 - ▣ Mechanical Treatment at Twice Current Levels:
85,700 acres
 - ▣ Mechanical Treatment at Triple Current Levels:
128,550 acres

285,000 acres of unrestricted land in need of treatment

Minimum Harvest Volume Assumptions

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- 3 to 5MBF/A on Tractor Ground
- 5 to 7 MBF/A on Cable Ground



Tractor vs Cable Ground

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- Total Tractor Ground: 214,000 Acres
- Total Cable Ground: 71,000 Acres
- Assumption: 40% Tractor/60% Cable over the next ten years
- Following the Goal of doubling the number of acres treated over the ten years this translates to:
 - 34,280 Acres of land treated with $< 45\%$ slope
 - 51,420 Acres of land treated with $> 45\%$ slope

Projected Harvest Volumes

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- Low (3MBF -- 5MBF/A): 35,995 MBF/Year
- Medium (4MBF -- 6MBF/A): 44,564 MBF/Year
- High (5MBF -- 7MBF/A): 53,134 MBF/Year



Stumpage Value From Sales

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- Low (3MBF -- 5MBF/A): \$2.9 million/Year
- Medium (4MBF -- 6MBF/A): \$3.6 Million/Year
- High (5MBF -- 7MBF/A): \$4.2 Million/Year



Impact on the Local Economy

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- Jobs per Million Dollars of Output (Direct Effect)
 - ▣ Forestry and Logging – 9.87
 - ▣ Wood Products Manufacturing – 10.15

- Total Employment per Direct Job (Indirect Effect)
 - ▣ Forestry and Logging – 3.1
 - ▣ Wood Products Manufacturing – 3.14

- Additional jobs as a result other restoration activities

Source: Beyers & Lin

Where do the Proceeds Go?



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- Stumpage Revenue from USFS Timbers Sales go to the US Treasury
- Timber sales do contribute directly to the local economy through direct and indirect employment
- Federal Funds for Schools
- Restoration reduces fire risk resulting additional benefits
- But what if we could retain the stumpage proceeds locally?

Stewardship Contracting

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- Agencies are not required to return these receipts to the Department of the Treasury's general fund, but the agencies report their net amounts to the Treasury
- Stewardship contracting authority allows the agencies to retain for use on future stewardship projects any money received under a contract or agreement
 - Examples: reduce fuels, create wildlife habitat, restore streamside habitat, elimination of roads or control invasive plants
- Stewardship Agreements may last up to 10 years
- May not be used for planning

Stewardship Contracting Barriers

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- Two different types of contracts
 - ▣ Timber Contracts
 - ▣ Service Contact
- Lack of familiarity – Stewardship Contracts are relatively new
- Retained funds cannot be used for planning
- May negatively impact school funding resulting from traditional timber sales

Stewardship Contracting Pluses

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- Involves the public in the planning process
- Is often put forth by local stakeholders
- Involves the public in the monitoring process

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Discussion

