

Forest-wide Direction (Components): Revision Collaborative Input: TIMBER (Suitability)

Timber Desired Conditions

Silvicultural systems for vegetation treatment reflect the natural disturbance regimes for the site and maintain forest resiliency. Natural disturbance regimes range from stand-replacing events that remove over 80% of the forest canopy and result in even-aged forest stands; to mixed-severity events that leave 20% to 80% of the forest canopy and may result in even-aged, two-storied, or multi-storied stands; to low-severity events that leave 80% or more of the forest canopy, and leave the forest canopy mostly intact. The sustainable flow of commodities from Nez Perce-Clearwater National Forest lands is a result of treatments used to move the current vegetation pattern to a desired vegetation pattern and do not exceed the long-term sustained yield of 97 million cubic feet of timber over 10 years. (This is an average of approximately 50 million board feet annually.)** Products are made available for commercial uses.

*** These numbers are currently the numbers that were developed in the '07 plan evaluation, and will be reviewed and updated as work progresses.)*

Trees in areas suitable for timber production that are dead or dying due to fire, insect outbreaks, or disease are salvaged to recover the economic value for which these areas are managed.

Harvests, including even-aged or two-aged regeneration harvests, reflect the scale of natural disturbances and are designed to reach desired conditions such as size class distribution, species composition, patch size, fuel reduction, and provide checks on the spread of insect outbreaks and disease.

Harvests in the Wildland Urban Interface, whether on lands suitable for timber production or timber harvest, are designed to reduce fuel loads and limit the risk of wildfire affecting the adjacent urban areas.

Lands suitable for timber production are managed to limit wildfire losses to the timber resource.

Timber Objectives

1. Following Plan approval, an average planned sale quantity (PSQ) of 50 million board feet, or approximately 9.7 million cubic feet, of commercial timber may be offered for sale from the total suitable land base on an annual basis. Salvage harvest of trees substantially damaged by fire, windthrow, or other catastrophe, or in imminent danger from insect or disease attack may be harvested over and above this volume.

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2. Within 10 years of Plan approval, fire risk should be reduced on 2000 to 4000 acres in the wildland-urban interface.

Timber Standards

1. Harvest on lands not suitable for timber production are designed to enhance the desired conditions of those lands, and are not designed for the purpose of timber production.
2. Timber will not be harvested on lands where soil, slope, or other watershed conditions may be irreversibly damaged, as identified in project specific findings.

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3. Where clearcutting, seed tree cutting, shelterwood cutting or other cuts designed to regenerate an even-aged or two-age stand of timber are used, an exception to the 40-acre maximum size for openings that may be cut in one harvest operation is as identified in the following table.

Conditions	Maximum Opening Size
<i>Examples:</i>	
Lodgepole pine stands	XXX acres
Ponderosa pine stands	ZZZ acres

The plan maximum size for openings to be cut in one harvest operation shall not apply to the size of openings harvested as a result of natural catastrophic conditions such as fire, insect and disease attack, or windstorm.

These size limits can be exceeded on an individual timber sale basis after 60 days public notice and review by the regional forester.

4. Timber harvest activities shall only be used when there is reasonable assurance of restocking within five years after final regeneration harvest. Restocking level is prescribed in a site specific silvicultural prescription for a project treatment unit and is determined to be adequate depending on the objectives and desired conditions for the plan area. In some instances, such as when lands are harvested to create openings for fuel breaks and vistas or to prevent encroaching trees, it is adequate not to restock.
5. Harvesting systems shall be selected based on their ability to meet desired conditions and not strictly on their ability to provide the greatest dollar return.
6. Even-aged or two-aged prescriptions other than clearcutting (seed tree, shelterwood, etc.) shall be used when appropriate to meet Forest Plan direction.
7. Timber harvest activities shall be reviewed by an interdisciplinary team, including the potential environmental, biological, aesthetic, engineering, and economic impacts on the sale area, as well as the consistency of the sale meeting Forest Plan direction. Harvest activities shall be shaped and blended to the natural terrain to the extent practicable.
8. The quantity of timber that may be sold per decade (except for salvage or sanitation harvesting of timber stands which are substantially damaged by fire, windthrow, or other catastrophe, or which are in imminent danger from insect or disease attack) will be less than or equal to the long-term sustained-yield capacity (LTSYC).
9. Even-aged stands shall generally have reached or surpassed culmination of mean annual increment (95 percent of CMAI, as measured by cubic volume) prior to regeneration harvest, unless the following conditions have been identified during project development:
- When such harvesting would assist in reducing fire risk within the Wildland Urban Interface (WUI) or the Community Protection Zone (CPZ).
 - When harvesting of stands will trend landscapes toward vegetation desired conditions.

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- When harvest is thinning, stand improvement, or uneven-aged systems that do not regenerate even-aged or two-aged stands.
- When harvest is for sanitation or salvage of timber stands substantially damaged by fire, wind-throw or other catastrophe, or which are in imminent danger from insect or disease attack.
- When harvest is on lands not suited for timber production and the type and frequency of harvest is due to the need to protect multiple use values other than timber production.

Timber Guidelines

None identified.

Timber Suitability

Exhibit 01 Timber Production Suitability Classification

Land Classification Category	Acres
1. Total National Forest System lands	3,940,058
2. Lands not suited for timber production due to legal availability or technical considerations (sections 61.11 – designated wilderness, proposed wilderness, research natural areas, proposed wilderness, Lolo Trail NHT; 61.13 - landslide-prone lands; 61.14 – not able to reforest - none identified; and 61.15 - non-forest).	1,852,485
3. Lands that may be suited for timber production (line 1 minus line 2)	2,087,573
4. Lands suited for timber production (sec. 62.2).	810,093
5. Lands not suited for timber production because timber production is not compatible with the desired conditions and objectives established by the plan (sec. 61.12 –Idaho Roadless Rule designated roadless areas, riparian conservation areas) (line 3 minus line 4)	1,277,480
6. Total lands not suited for timber production (sec. 61.1). (line 2 plus line 5)	3,129,965

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	Desired Future Condition: Commonality	Commonality	
	STD.KKL.a Include Economics	✓ X 2	Economics is an integral part of the Spectrum model that is used to determine harvest levels.
	Objectives: Commonality		
	Standards: Commonality		
	Guidelines: Commonality		
	Suitability: Commonality		
	General Comments: Commonality		
	GEN.Common.a Drop #'s until Spectrum validated GEN.Common.b (Need to) Understand Model Constraints GEN.Common.c (Need to use) Consistent Metrics (MMBF vs cubic) GEN.Common.d (Sale Quantity: Consider as)Floor not Ceiling GEN.Common.e Salvage Timely GEN.Common.f Validate WUI acres (higher?) GEN.Common.g Road/Infrastructure within Green (mapped)	✓ X 4 ✓ X 3 ✓ X 3 ✓ X 4 ✓ X 4 ✓ X 3 ✓ X 2	a. The next version you see should have the new Spectrum numbers in it. b. Along with running the Spectrum model, we will develop a white paper that describes the model, the constraints, the alternatives considered, and the outputs. c. We will fix this. d. The planning rule requires that the PSQ and

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				<p>TSPQ be planned quantities, based what is a sustainable level of harvest. Higher levels of harvest would not be sustainable.</p> <p>e. Salvage schedules are dependent on project-specific NEPA analyses. The FP allows for salvage, specifically encourages salvage on the suitable land base, but cannot make the site-specific decision.</p> <p>f. WUI and CPZ (in Idaho Roadless Rule lands) will be verified before re-running Spectrum.</p> <p>g. I'm not sure what this means.</p>
Working Group Input				
Desired Future Condition		Working Group		
DFC.Oro1&Boi.a	Q? 50 mill. Where di this come from?	Orofino	1	a. This number came from the Spectrum runs for the '07 plan.
DFC.Oro1&Boi.b	Discuss adequate staff to meet objectives	w/Boise		
DFC.Oro1&Boi.c	Keep consistent metrics-cubic vs bd feet	Satellite		

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	<p>DFC.Oro1&Boi.d Want healthy productive forest—not driven by #--this wording isn't addressed. Want more flexible #'s consider acres rather than volume</p> <p>DFC.Oro1&Boi.e White pine restoration—in restoration?</p> <p>DFC.Oro1&Boi.f Openings-include in descriptions for "healthy" terminology don't limit</p> <p>DFC.Oro1&Boi.g Concern about # for sustained yield a bulge/departues as a means to meet healthy goals; to desired veg pattern to not exceed reasonable the long term <u>sustained yield</u> "remove #"</p> <p>DFC.Oro1&Boi.h 5 yield reflects timber output and convert to acres to get to healthy conditions and timber will come out of it rather than driving it</p> <p>DFC.Oro1&Boi.i "sustained" component key to community economics- min #?</p> <p>DFC.Oro1&Boi.j Prioritize treatment to stands with healt issues 1st</p> <p>DFC.Oro1&Boi.k Acres linked to sustainable forest products vs commercial timber</p>		<p>b. Adequate staffing is a part of the budget constraint within Spectrum. There will a run made without budget constraints, which will show forest capability if provided with a fully funded budget.</p> <p>c. Will do.</p> <p>d. The healthy, productive forest was addressed in the desired conditions for vegetation, and was expressed as % of acres. The timber assessment and plan components address how those desired conditions for vegetation translate to volumes of timber produced.</p> <p>e. WP restoration is addressed in the Vegetation section.</p> <p>f. FP desired conditions and standards for opening sizes have to be</p>

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			<p>included here if the forest wants to modify the standard 40 acre opening limit.</p> <ul style="list-style-type: none"> g. A departure from non-declining even flow of timber outputs can be considered as an alternative. That is a good suggestion. h. The acres are described in the Vegetation section. This section (Timber) is meant to translate those acres to estimated timber volumes. i. The FP sets up the framework that allows harvest and sets an upper bound. Individual project analyses determine how much timber is actually offered for sale. j. Prioritizing treatment areas is also the role of project planning. The

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			<p>Vegetation section sets the sideboards for project area selection by describing a healthy forest. Wherever the forest deviates from that description, a project/treatment opportunity exists.</p> <p>k. I'm not sure what this one means.</p>
	<p>DFC.Oro2&MPLL.a #1) ..through a minimum sustained yield of 97 million... (Para #1)</p>	<p>Orofino 2 & MPLL</p>	<p>a. The sustained yield will be determined through Spectrum runs.</p>
	<p>DFC.Gvil1&2.a Timber DC need/are dependant on terrestrial DC. Need to relook@ Ter DC and consider adjusting DC by area TimSuit/TimHarv</p> <p>DFC.Gvil1&2.b Fire salvage should occur on lands suitable for TimProd (green) timely. Note need for possible legislative remedy (see para 3 DC)</p> <p>DFC.Gvil1&2.c Consider adding an economic-related DC to biological DCs</p> <p>DFC.Gvil1&2.d TimHarv is tool to achieve Terr DC. TimHarv has economic by-products</p> <p>DFC.Gvil1&2.e Assure road/infrastructure DCS address need for access in suitable TimProd lands (green)</p> <p>DFC.Gvil1&2.f Concern for continued under accomplishing</p>	<p>Grangeville 1 & 2</p>	<p>a. We are looking at ways to adjust the Vegetation DCs for the suitable land base.</p> <p>b. Salvage schedules are dependent on project-specific NEPA analyses. The FP allows for salvage, specifically encourages salvage on the suitable land base, but cannot make the site-specific decision.</p> <p>c. An economic DC</p>

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			<p>would go in the Timber section. We may be able to add one after re-running Spectrum.</p> <p>d. True.</p> <p>e. This coordination will be done over the summer between IDT members.</p> <p>f.</p>
	<p>DFC.KKL.a Check the 50 MMBF PSQ #; account for dying trees; account for increased growth/production after harvest</p> <p>DFC.KKL.b Adjacent lands IDL/private have higher harvest rates</p> <p>DFC.KKL.c Check spectrum model for unnecessary constraints</p> <p>DFC.KKL.d All salvage volume is in addition to the PSQ annual volume</p> <p>DFC.KKL.e Is 500 MMBF = 97 mcf? OK (check)</p> <p>DFC.KKL.f Revise wording in desired cond to be consistent with objectives...annual rate vs decade rates</p>	<p>Kamiah/Kookia w/ Missoula Satellite</p>	<p>a. Some salvage is included. Increased growth of regenerated stands is included in the yield tables.</p> <p>b. Adjacent lands have different management objectives.</p> <p>c. The Spectrum model will specifically look at each constraint, and how it affects the outputs.</p> <p>d. Yes.</p> <p>e. Ok</p> <p>f. The decade rates were written that way to allow for variation from year to year, as long as the decade's harvest did not</p>

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			exceed the TSPQ/PSQ.
Objectives			
OBJ.Oro1&Boi.a	Landscape assessment to achieve desired future conditions	Orofino 1 w/Boise Satellite	a. How the forest chooses to implement this new plan has not been decided yet. b. Salvage schedules are dependent on project-specific NEPA analyses. The FP allows for salvage, specifically encourages salvage on the suitable land base, but cannot make the site-specific decision. c. WUI/CPZ acres are calculated from mapped locations.
OBJ.Oro1&Boi.b	Desired conditions-trees <u>shall</u> be harvested in a timely manner – (those with dead/dying etc) for product recovery		
OBJ.Oro1&Boi.c	Increase WUI acres-suggest 10,000?+ how much is slotted on Forest		
OBJ.Oro2&MPLL.a	#1 following plan approval, ...a minimum average...	Orofino 2 & MPLL	a. PSQ and TSPQ are ceilings, by definition.
OBJ.Gvll1&2.a	Remove all refs to #s until models run and validated	Grangeville 1 & 2	a. The next version you see will have the updated Spectrum numbers in it. b.
OBJ.Gvll1&2.b	What % of WUI acres is 2-4K?		
OBJ.KKL.a	Add: within 10 years, harvest xx acres in lands available for timber harvest (not timber production) that are needed to treat for other	Kamiah/Koo skia w/	a. Harvest on lands suitable for timber harvest

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	resource objectives, (to expedite moving stands to desired conditions)	Missoula Satellite	is done to meet the needs of a resource other than timber/vegetation.
	Standards		
	STD.Oro1&Boi.a Concern that natural event could cause even more damage than harvest would; STD.Oro1&Boi.b #2 timber not harvested on lands where...slope, watershed, etc. (this is based on hypothetical.-so why can't include hypothetical fire impacts.)	Orofino 1 w/Boise Satellite	a. This is a possibility. b. This is not hypothetical. Our soils inventory identifies lands that are landslide-prone, based on site specific inventory work and experience.
		Orofino 2 & Potlatch, Moscow, Lapwai, Lewiston	
	STD.GVLL1&2.a 1-no comment STD.GVLL1&2.b 2-no comment STD.GVLL1&2.c 3-exceeding 40 acres is likely to be common to meet Terr DCs/OBJ (patch size HRV) STD.GVLL1&2.d 4-7 no comment STD.GVLL1&2.e 8 re-evaluate need for departure from (TSVC) to achieve DC STD.GVLL1&2.f 9 consider adding component in Terr regarding potential need for harvest prior to CMAI	Grangeville 1 & 2	c. Agreed. e. This can be considered as an alternative during NEPA analysis of the proposed plan. f. This would be tied to the departure option.
	STD.KKL.a #2: timber will not be harvested "in such a manner" on lands...	Kamiah/Koo	a. Okay.

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	(reword to clarify that the intent is to protect resources, NOT restrict all timber harvest) STD.KKL.b #4 salvage logging will preclude the regeneration requirements	skia w/ Missoula Satellite	b. Salvage logging is not precluded on lands that have been identified as not able to be regenerated. Salvage logging on other lands does not preclude the need to regenerate lands that ARE suitable for timber harvest/production.
	Guidelines		
	GDL.Oro1&Boi.a	Orofino 1 w/Boise Satellite	
	GDL.Oro2&MPLL.a	Orofino 2 & MPLL	
	GDL.Gvll1&2.a Target should be floor not ceiling but don't incentivize over-production	Grangeville 1	a. The planning rule requires that the PSQ and TSPQ be planned quantities, based what is a sustainable level of harvest. Higher levels of harvest would not be sustainable.
	GDL.KKL.a None	Kamiah/Koo skia w/ Missoula Satellite	

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	Suitability		
		Orofino 1 w/Boise Satellite	
		Orofino 2 & Potlatch, Moscow, Lapwai, Lewiston	
	SUI.Gvil2.a N/A	Grangeville 1&2	
		Kamiah/Koo skia w/ Missoula Satellite	
	COMMENTS	Orofino 1 & Boise	
	Group would like to see: 1. Predictable supply of timber 2. Reduction of gridlock 3. Ability to be flexible in responding to land mgmt. needs	Orofino 2 & Potlatch, Moscow, Lapwai, Lewiston	
	Desire to better understand spectrum and data in/out	Grangeville 1&2	