

Lower priority drop
requests for BMBP surveys.

These two units

@ the top had
some recent fire

Recommendations
for sale unit:

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT
27803 Williams Lane
Fossil, OR 97830

DATE 8-31-17
NTL FOREST Matilla
DISTRICT Pomeray
PROJECT Sunrise
UNIT 55 aka Cager 310
SURVEYOR'S NAME Maria + Willan

drop- healthy mature +
og forest near Asotin Creek.
never logged. don't start!

Subjective evaluation of area:
feels like a healthy, biodiverse forest with lots of space and old/mature diverse trees.
clearly used by lots of wildlife (most of mt)

Roadless area ☒ Never logged ☐ Plantation ☒ Many old growth logs and snags

☒ Old growth/mature forest:

Average tree size in "dbh": 15" +

Examples of large tree diameter: df 38"/gf 35"/lp 15"/es 15"/es 21.5"/pp 34"/

of old growth trees per acre: west: 4 gf 3 es 1 fr ky

east:

☒ Previously logged approx. age of trees highgraded p.p + d.f.

Describe marking to cut: blue flagging + orange paint

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

open areas near stumps

Mixed conifer, specify species and number in descending order of prevalence: ☒ Ponderosa Pine

☐ Juniper ☒ Doug Fir ☒ Western Larch ☒ Grand Fir ☒ Lodgepole Pine ☒ Engleman

Spruce ☒ Subalpine Fir ☐ Yew ☐ Mt. Mahogany ☐ Aspen ☐ Willow ☐ Alder

☐ Shasta Red Fir ☐ Sugar Pine ☐ White Pine ☐ Incense Cedar ☐ other:

Tree seedlings (species, quantity): gf many gf, some df

Quality and type of canopy closure, %: 50% healthy green canopy, multiple ages,

multiple species, some snags, some seedlings in understory

Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe: mixed conifer snags, o.g trees - diverse tree species

throughout the mt

% of defoliation - species and age of trees affected:

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): chipmunk, squirrel midden, brown, gray jay sighting, fresh elk scat, lots of wood pecker foraging, fresh deer scat, cow and elk bones

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: headwaters to n. fork of Asotin Creek

Riparian buffers? Adjacent steep slopes?

Unusual plants?

Plant community types: snailberry, elk sedge, big leaf huckleberry, pinus pine, shrub layer,

Soil type, quality, compaction level(s): tan brown, loamy top soil - ashy clay

Typical plants: wild strawberry, Oregon grape, meadow me, yarrow, amica, service berry, rattlesnake plantain, rocky mountain maple, huckleberry

Steepness of slope/aspect of slope (direction it faces): 19° SE

Landslide risk, describe: potential landslide risk

Density of roads (per sq. mi): 2 1/4 miles

Effects of livestock grazing: _____

Evidence of Animal Damage Control activities: _____

Evidence of bait stations for hunting, hunters' camps: _____

☐ Mining ☐ Herbicide spraying ☐ Gopher trappings/poison ☐ Other: _____

Exotic weeds seen: bull thistle

Recreational use: _____

Describe sale unit overall: northern boundary previously high graded - the rest of the unit has no evidence of previous logging. mixed conifer mature - og and young. lot of animal foraging + browse lush, many moist community indicators

Surrounding area: ☒ contiguous forest ☐ high-graded forest ☐ never logged area ☒ canyon (Casper Canyon)

☐ roadless area(s) ☐ wildlife corridor ☐ meadow ☐ grassland ☒ rocky upland

☐ high desert ☐ seedlings ☐ pine plantation ☐ clear cut ☐ other cut: _____

☒ public land, agency NFS ☐ private land, ownership _____

☒ riparian (specify): North Fork of Astish Creek

☐ area of human habitation

Species seen adjacent to sale unit: _____

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions: Marias Camera

3675 - header

3676 - view into unit - mature + og mixed conifer canopy

1678 - Casper 310 facing unit marker

1678 - PP stump

1679 - foraging on o.g. gf snag

1680 - willow with o.g. gf

1681 - midden city

1682 - no stumps og view

1683 - skeleton (elk)

3684 - og df next to og pp

Recommendations

for sale unit:

DROP

dark riparian zone
steep slope.
Healthy forest.

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT

27803 Williams Lane
Fossil, OR 97830

DATE 8/25/17

NTL FOREST Umatilla

DISTRICT Pomeroy

PROJECT Sunrise

UNIT 66 + adjacent blue bits

SURVEYOR'S NAME Willow, Cooper

Subjective evaluation of area: too steep for logging to be reasonable.
dense a slow but fun going. magical, lush creek.

Roadless area ☐ Never logged ☐ Plantation ☒ Many old growth logs and snags

☒ Old growth/mature forest: OG mostly confined to riparian area

Average tree size in "dbh": 15"

Examples of large tree diameter: 33" GF 29" snag 29.5" DF, 28" PP, 48" GF, 49" GF

of old growth trees per acre: 11 DF 11 snag 1 live log

91 5 live 2 snag 1 log

☒ Previously logged approx. age of trees High

Describe marking to cut: live flagging - orange paint, tag - "Cougar"

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

high graded. large scattered stumps.

☒ Mixed conifer, specify species and number in descending order of prevalence: 18 Ponderosa Pine

Juniper 2 ☒ Doug Fir ☒ Western Larch 1 ☒ Grand Fir ☐ Lodgepole Pine 3 ☒ Engelman

Spruce ☐ Subalpine Fir ☐ Yew ☐ Mt. Mahogany ☐ Aspen ☒ Willow ☒ Alder

Shasta Red Fir ☐ Sugar Pine ☐ White Pine ☐ Incense Cedar ☐ other:

Tree seedlings (species, quantity): many GF some DF

Quality and type of canopy closure, %: 30% patchy mature forest w/ lots of snags

60% younger forest w/ lots of logs

Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist

area, high elevation, describe:

% of defoliation - species and age of trees affected: Mistletoe

some

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): skunk stink, coyote scat, burrows, squirrel middens
great habitat snags

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: intermittent streambed in running N-S in middle unit, marshy roads, flowing. Drainage headwaters, many riparian plants, many downed seeps logs, pools

Riparian buffers? Adjacent steep slopes? No buffer for above, steep slopes on either

Unusual plants?

Plant community types: ~~various~~ twinflower, bigleaf huckleberry, elk sedge, pine grass, prince's pine

Soil type, quality, compaction level(s): rocky, clayey

Typical plants: thimbleberry, yarrow, wild strawberry, fairy everlasting, arnica, meadow rue, rattlesnake plantain,

Steepness of slope/aspect of slope (direction it faces): NE & NW facing, average 30°

✓ Landslide risk, describe: wet, steep.

Density of roads (per sq. mi): 1.5

Effects of livestock grazing: none, couples on road to.

Evidence of Animal Damage Control activities: NA

Evidence of bait stations for hunting, hunters' camps: _____

☐ Mining ☐ Herbicide spraying ☐ Gopher trappings/poison ☐ Other: _____

Exotic weeds seen: Oxide daisy, bull thistle on road in.

Recreational use: sanctos (chip bag adjacent) scablands

Describe sale unit overall: all north slope, ~~flowing~~ creek down middle w/o buffer, High graded w/ enough young & mature trees & lots of logs n snags, high habitat value, recovering from logging well. Healthy. Steep.

Surrounding area: ☒ contiguous forest ☒ high-graded forest ☐ never logged area ☒ canyon

☐ roadless area(s) ☐ wildlife corridor ☐ meadow ☐ grassland ☒ rocky upland

☐ high desert ☒ seedlings ☐ pine plantation ☐ clear cut ☐ other cut: _____

☒ public land, agency N&FS ☐ private land, ownership _____

☒ riparian (specify): Spring (pictured), creek down middle
area of human habitation _____

Species seen adjacent to sale unit: Bear scat, Bear prints

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used. 104 - typical view of NE portion

Photo #s & descriptions: 105 - eastern rocky upland on SE border

Paula's Canon Powershot 106 & 107 - old bdy cutting adjacent mt.

109, 107 fallen OG, forage stump

110, 111 OG snags + logs

112 - downed OG log - wildlife trail

113 - coopers hand - bear scat

114 - coopers w/ 48" GF

115 - willow w/ 49" GF

116 + 117 view up + down dry streambed

118 - pine drop?

119, 120 view up & down where creek gets wet starts flowing

121, 122 view showing downed logs in flowing creek

123 - willow w/ forage

124 - muddy/marshy road

125 -

78 - header & map

79-81 - spring adjacent to unit

82-84 - move of the scene

85 - seepage & pool in unit

86-87 OG log above seep

88-89 flowing stream in middle/north of unit

90 - some scat?

92 - woody debris on NW slope

93 - showing 30° slope

94 - willow measuring 5' GF

95 - willow w/ forage snag

96 - showing downed wood, logs

97 - forage snag cut conks

98 - Bear forage on log

99 - squirrel midden

100 - willow w/ OG snag

101 - showing many small logs

102 - willow w/ OG log

103 - view of slope from small NE portion

recent & fresh Pileated woodpecker foraging, Nuthatch foraging, deer scat, 2 hawks heard - saw 1 - Prairie falcon or Cooper's hawk seg

① We are concerned that this is an incursion into the Asotin Creek Roadless Area
② This sale unit would not be economical to skyline log as it is mostly small trees
③ Suitable marten habitat w/ possible marten burrows
④ Active use by lots of migratory Neotropical songbirds
⑤ Active Pileated woodpecker foraging habitat

Recommendations for sale unit: DROP!!

High quality old growth mixed conifer habitat, never logged, on steep slope above a creek, lots of wildlife

LEAGUE OF WILDERNESS DEFENDERS BLUE MOUNTAINS BIODIVERSITY PROJECT
27803 Williams Lane Fossil, OR 97830

DATE August 30th, 2017
NTL FOREST Umatilla
DISTRICT Pomeroy
PROJECT Sunrise
UNIT 67 - aka Cougar #315
SURVEYOR'S NAME Kevin P.

Subjective evaluation of area: use. Feels very wild, very quiet, calming. This is beautiful intact forest, functioning as it should and supporting diverse wildlife and plants. The Forest Service should be ashamed to be planning to log last pristine forest.

✓ Roadless area ✓ Never logged ✓ Plantation ✓ Many old growth logs and snags

✓ Old growth/mature forest: Shady never logged OG/m forest w/ good canopy closure, OG GF, DF, ES & WL, lots of OG logs & snags

Average tree size in "dbh": Highly variable, 29" GF,

Examples of large tree diameter: 32" DF, 31.5" GF, 23" ES, 35" GF, 37.5" GF, 38.5" GF

of old growth trees per acre: 9 live OG GF, 3 OG live DF & 1 OG live ES, w/ OG snags: 6 GF, 2 DF, & 2 WL, x OG logs: 1 GF, 4 DF, 1 WL, 1 ES, & 1 fir. (a rectangular acre through the middle slope of the sale unit)

Previously logged approx. age of trees in SE end of sale unit

Describe marking to cut: None Lower South boundary is boundary flagged

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe: No sign of former logging except a few stumps right at SE boundary

✓ Mixed conifer, specify species and number in descending order of prevalence: Ponderosa Pine
Juniper 2 ✓ Doug Fir 3 ✓ Western Larch 2 ✓ Grand Fir Lodgepole Pine 4 ✓ Engelman Spruce 5 ✓ Subalpine Fir Yew Mt. Mahogany Aspen Willow Alder
Shasta Red Fir Sugar Pine White Pine Incense Cedar other:

Tree seedlings (species, quantity): GF, DF, & some ES in openings, mostly shaded out, w/ saplings

Quality and type of canopy closure, %: about 55% under h & m ES
High enough for extensive Pileated woodpecker foraging

✓ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe: up to 5,300 ft elevation, large OG DFs, large OG DF + GF snags, large OG DF + GF logs, over an intermittent creek drainage w/ steep slopes

% of defoliation - species and age of trees affected: very green and healthy w/ OG logs & snags.

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): an untided warbler, Douglas squirrels, many hornets, a large animal heard, Ruby-crowned Kinglet heard, Redbreasted nuthatch, possible Golden-crowned Kinglet heard, deer & elk trails, loose bark bat habitat, probable yellow-rumped warbler heard, a woodrat nest, fresh bear foraging, round woodpecker nestholes in an OG GF log (was a snag), a hawk heard, deer beds

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: intermittent creek - tributary to Asotin Creek - directly below sale unit to E, SE, & South - mossy rock channel, topographic & conifer shading, no water currently in headwaters end, limited riparian plants, minimal large wood - br. or spotted Coral root (not blooming)

Riparian buffers? Adjacent steep slopes? would need an INTFSH or PACFSH buffer

Unusual plants? 10:01 - an unusual green, banded small lichen or fungus on OG DF bark

Plant community types: Bigleaf huckleberry, Princess Pine, Elk sedge,

Soil type, quality, compaction level(s): mostly clay on lower slope, w/ reddish tan ash layer in sale unit to light tan ash

Typical plants: Arnica, Meadow Rue, moss, Rattlesnake plantain, Violet sp., Sweet Cicely, Swamp gooseberry, Bedstraw sp., W. Columbine, Pyrola picta, Rattlesnake plantain, Phacelia sp., OR grape,

① It was very disturbing to see the southern boundary at this sale even before the E for public review. EIS has come out for this sale

Photos Cont: 11:55 a possible marten burrow (w/ downward tunnel) under a large mGF w/ pen
12:05 - another potential marten burrow under an OG DF snag (12:09) another marten size burrow
12:07 - an OG DF split top snag w/ potential marten burrow at 12:05
12:10 - more extensive fresh Pileated foraging in an OG GF snag, w/ chips

Steepness of slope/aspect of slope (direction it faces): 28° SE slope
13:06-13:07 Chicken of the Woods mushroom? Beautiful!

✓ Landslide risk, describe: Steep unstable slope with little plant cover
Density of roads (per sq. mi):

Effects of livestock grazing: None seen Photos Cont: 12:18 Typical view in middle of sale unit (between W/E ends) w/ almost all small trees, w/ OG snags, little

Evidence of Animal Damage Control activities: None seen 12:34 More fresh ground cover
Evidence of bait stations for hunting, hunters' camps: None seen Pileated foraging in an OG DF snag

12:26 & 12:27 fresh Pileated woodpecker foraging in a GF snag apparently felled by the Pileated!

Mining _____ Herbicide spraying _____ Gopher trappings/poison _____ Other: _____
Exotic weeds seen: None seen 12:31 Looking up the trunk of a 29" dbh OG GF

Recreational use: _____
Describe sale unit overall: The SE end has more OG structure than the middle of the sale unit which is mostly small trees w/ OG snags. Lots of Pileated woodpecker foraging & other wildlife use, continual steep slope over creek, not much ground cover

Surrounding area: ✓ contiguous forest _____ high-graded forest _____ never logged area _____ canyon
_____ roadless area(s) _____ wildlife corridor _____ meadow _____ grassland _____ rocky upland

_____ high desert _____ seedlings _____ pine plantation ✓ clear cut to SE other cut: 42, 181, 73, 74 to S, 34 to W + SW
✓ public land, agency FS _____ private land, ownership None

✓ riparian (specify): a tributary of Astoria Creek below sale unit to SE & SW
area of human habitation None 12:36 a large subalpine fir log w/ clipboard

Species seen adjacent to sale unit: bear scat
Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used. Karen's Canon 9:15 Survey heading

Photo #s & descriptions: 9:28 - Intermittent stream channel below sale unit
9:33 "Cougar #315" boundary marking 9:40 a large DF snag

9:43 - an OG GF snag 9:45 a fork-topped OG GF log 9:50 me next to a 32" dbh DF
9:53 - me leaning against a large OG DF log 10:01 an unusual green banded small lichen or fungus in the grooves of OG DF bark on an OG DF log (could be GF)

10:05 - a 28° SE slope w/ mostly small trees, in sale unit
10:10 - typical view w/ mostly small, NCT-size trees w/ an OG fir log 10:19 a large OG WL log 10:29 me sitting at the base of a 31.5" dbh OG GF

10:37 - me at the base of a 35" dbh OG GF 10:39 a strange red block of wood (?) that was buried under the ground, w/ yellow & white mycelium

10:48 - a big woodrat nest at the base of a 37.5" dbh OG GF 10:54 a large OG DF snag w/ rotten wood
10:58 2 photos: 1) fresh bear foraging in an OG DF log, 2) a round nest hole in an OG GF log w/ nesting material inside

11:02 - an OG GF snag w/ loose bark but habitat & Rocky Mt. maple
11:03 - a tall back lit OG GF snag 11:04 a potential marten rootwad burrow 11:26 a big Douglas squirrel midden w/ OG fir log

11:11 - me sitting at the base of a 38.5" dbh OG GF 11:14 an OG WL snag
11:16 - abundant large down wood w/ 3 OG GF logs (one triple forked at top)

11:20 - 2 stout OG GF snags w/ an OG GF log in foreground
11:29 - 2 photos of fresh Pileated woodpecker foraging in same OG GF snag

11:30 - an OG DF snag 11:45 more recent Pileated foraging in a back-curved snag & 2 fresh Pileated foraging in a fir

11:48 - a mGF compensating for slope movement

Recommendations

for sale unit: **DROP!** ~~Very steep slopes above a creek - if logged, erosion, sediment is irreversible damage will occur. Unit provides shade to the creek - logging would cause temperature to rise~~

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT

27803 Williams Lane
Bassil, OR 97830

DATE 08-25-2017
NTL FOREST Umatilla
DISTRICT Pomeroy
PROJECT Sunset
UNIT 77 South Side
SURVEYOR'S NAME Roscoe + Marsl

Subjective evaluation of area: A beautiful and relatively healthy patch of forest. It confuses us now, anyone could think logging this is a good idea due to steepness & proximity to stream & wildlife present. Irresponsible to even th

Roadless area ☐ Never logged ☐ Plantation ☐ Many old growth logs and snags ☐
☒ Old growth/mature forest: Mixed Conifer
Average tree size in "dbh": Highly Variable
Examples of large tree diameter: 24" GF 30.5" DF 28" GF
of old growth trees per acre: 400 DF 400 GF 7 logs 4 snag

☒ Previously logged approx. age of trees Mature to Old Growth
Describe marking to cut: Blue flagging and Orange Paint
Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe: Large skid trail w/ saplings regrowing, large stumps
☒ Mixed conifer, specify species and number in descending order of prevalence: Ponderosa Pine
Juniper 2 Doug Fir 3 Western Larch 1 Grand Fir 4 Lodgepole Pine 5 Engleman
Spruce Subalpine Fir Yew Mt. Mahogany Aspen Willow Alder
Shasta Red Fir Sugar Pine White Pine Incense Cedar other:
Tree seedlings (species, quantity): Mostly GF, with some DF & LARCHES
Quality and type of canopy closure, %: Variable, 30-35% in open areas
60-70% in naturally dense areas
☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe: Many mature to OG firs, larches, and pines

% of defoliation - species and age of trees affected: Variable - 20% to 80% on some trees

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): Bear Scat, Coyote Scat, Pilzeated Woodpecker forage, Douglas Squirrel, Bear Forage, Deer Scat, Elk scat, Yellow Pine Chipmunk

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: Asatin Creek - too steep to walk to the canyon.

Riparian buffers? Adjacent steep slopes? Incredibly steep drops to creek
Unusual plants? None
Plant community types: Bigleaf Huckleberry, Prince's Pine, Elk sedge

Soil type, quality, compaction level(s): Loose clay & ash soil
Typical plants: Oregon Grape, Wild Strawberry, Lupine, Yarrow, Rocky Mt. Maple, Meadow Rue, Ceanothus, Fireweed, Gooseberry, Aronia, Tarweed, Prairie Everlasting

Steepness of slope/aspect of slope (direction it faces): 38° slope facing

☒ Landslide risk, describe: If logged, VERY LIKELY! Too steep to walk Eastern edge of unit.

Density of roads (per sq. mi): 3.5 roads p/m

Effects of livestock grazing: None

Evidence of Animal Damage Control activities: None

Evidence of bait stations for hunting, hunters' camps: None

☐ Mining ☐ Herbicide spraying ☐ Gopher trappings/poison ☐ Other: _____

Exotic weeds seen: Hawthorn, Canada Thistle

Recreational use: Horse riding and ATV's

Describe sale unit overall: Incredibly steep unit w/ many OG ~~stumps~~ + mature firs, pines, larches. Previously logged but in the process of natural regenerative growth. On the edge of Cougar Canyon.

Surrounding area: ☐ contiguous forest ☐ high-graded forest ☐ never logged area ☒ canyon

☐ roadless area(s) ☒ wildlife corridor ☐ meadow ☐ grassland ☐ rocky upland

☐ high desert ☐ seedlings ☐ pine plantation ☐ clear cut ☐ other cut: _____

☐ public land, agency ☐ private land, ownership

☒ riparian (specify): Creek running through Canyon (Asotin Creek)

area of human habitation

Species seen adjacent to sale unit: Bear scat, Coyote scat, Woodpecker forage

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

16:01 Survey Heading

16:06 Sign within unit prohibiting woodcutting

16:10 unidentified Plant

16:16 Pileated Woodpecker Forage

16:21 Roscoe sitting on OG stump between 2 OG DFS

16:28 Overgrown Skid trail

16:33 Pileated woodpecker forage in snag

16:46 View over Eastern edge of unit - Cougar Canyon - shows steep slope

17:04 View across Cougar Canyon from skid trail - shows steepness

17:05 2

17:12 View from edge of unit across Cougar canyon

GF
||||

DF
|||

Log
||||

Snag
||

Recommendations
for sale unit: 

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT
27803 Williams Lane
Fossil, OR 97830

DATE 8/24/17
NTL FOREST Umatilla
DISTRICT Pomeroy
PROJECT Sunrise
UNIT 80
SURVEYOR'S NAME Paula, Alice,

Subjective evaluation of area: Totally desimated stand with heavy slash
Same signs of regeneration. I have no idea what you intend to get out of this stand
on a commercial level. It seems as though you are uninterested in old trees, because you
don't allow for the time for these trees to reach 2 inches at this elevation.

☐ Roadless area ☐ Never logged ☐ Plantation ☐ Many old growth logs and snags
☐ Old growth/mature forest: _____

Average tree size in "dbh": _____

Examples of large tree diameter: 30 inch Englemann spruce

of old growth trees per acre: ~~20 inch Englemann spruce~~ 11 Englemann

☒ Previously logged approx. age of trees mid-mature ~~and~~ and old growth

Describe marking to cut: Stumps, spindly thickets, paint on stumps

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

Heavily logged/clear cut, desimated, trying hard to regenerate

☒ Mixed conifer, specify species and number in descending order of prevalence: Ponderosa Pine

☐ Juniper ☐ Doug Fir ☒ Western Larch ☐ Grand Fir ☒ Lodgepole Pine ☒ Engleman

☐ Spruce ☐ Subalpine Fir ☐ Yew ☐ Mt. Mahogany ☐ Aspen ☐ Willow ☒ Alder

☐ Shasta Red Fir ☐ Sugar Pine ☐ White Pine ☐ Incense Cedar ☐ other: _____

Tree seedlings (species, quantity): Englemann spruce (dominant) Western Larch, Alder

Quality and type of canopy closure, %: _____

☐ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist
area, high elevation, describe: Charcoal on ground, 2-10° North facing slope, high

elevation, Huckleberry indicative of moisture as ground cover.

% of defoliation - species and age of trees affected: _____

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts,
dens, burrows, beds, hives, etc.): burrows, mtn. Chickadee call

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs,
creeks, rivers, lakes, ponds) describe: _____

Riparian buffers? Adjacent steep slopes? _____

Unusual plants? _____

Plant community types: Big Leaf Huckleberry, prince's pine

Soil type, quality, compaction level(s): clay light brown very compact due to prev. logging

Typical plants: Fireweed, Arnica, currants, Pearly everlasting, Indian paintbrush

Willow, wild Strawberry

Steepness of slope/aspect of slope (direction it faces): Approx. 2-10° facing north

Landslide risk, describe: —

Density of roads (per sq. mi): —

Effects of livestock grazing: —

Evidence of Animal Damage Control activities: —

Evidence of bait stations for hunting, hunters' camps: —

— Mining — Herbicide spraying — Gopher trappings/poison — Other: —

Exotic weeds seen: @ thistle, Daisies

Recreational use: Fire pit adjacent to sale unit

Describe sale unit overall: Heavily logged, better signs of regeneration closer to road, very little OG trees, lots of mature & young seedlings, very open little tree density, stand comprising of mainly young/mature trees

Surrounding area: — contiguous forest — high-graded forest — never logged area — canyon

— roadless area(s) — wildlife corridor — meadow — grassland — rocky upland

— high desert X seedlings — pine plantation X clear cut — other cut: —

— public land, agency — private land, ownership —

— riparian (specify): —

— area of human habitation —

Species seen adjacent to sale unit: Cougar scat

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

1602-1606 signs of previous logging

Paula's iPhone for misc. photos of heavily logged area w/Kara

~~5:40 x 4 clear cuts (some of Kara) opps~~

~~5:47 pm - 5:49 pm (x12) Marshes of OG stump~~

5:56 headed

5:56 Kara w/ typical stand view (same as Kara)

to 6:02 very open, previously logged, nothing left to log

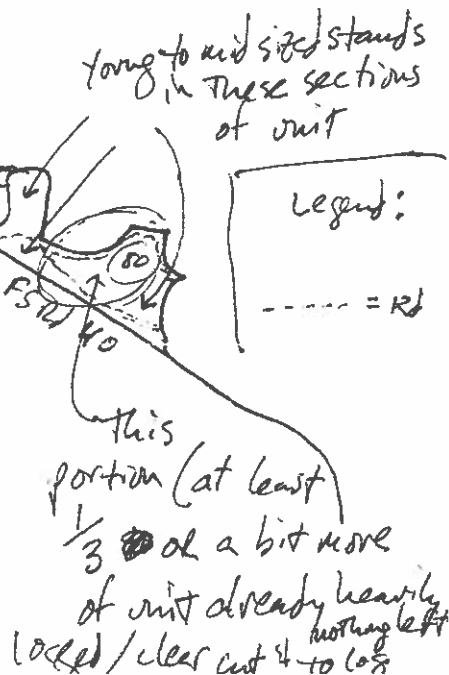
6:05 x 4 Marshes of OG ES + mid sized trees/typical view

6:07 Marshes of OG stump

6:10 x 5 prev logged area w/ in stand in foreground & young to mature stand in background. typical view

6:13 gate adj. to unit 80

6:14 x 4 w. block of unit



Recommendations

for sale unit:

Drop unit:

- uneconomical
- steep slope above creek bed

LEAGUE OF WILDERNESS

DEFENDERS

BLUE MOUNTAINS

BIODIVERSITY PROJECT

27803 Williams Lane

Fossil, OR 97830

DATE

8/25/17

NTL FOREST

Umeville

DISTRICT

Pomeroy

PROJECT

Sunrise

UNIT

82

SURVEYOR'S NAME

Karen

Subjective evaluation of area:

Completely uneconomical to skyline yard; not many mature trees/steep slope, mostly young trees & snags, ~~lots of~~ very open

Roadless area ☒ Never logged

Plantation

Many old growth logs and snags

Old growth/mature forest:

East stringer may not have been commercially logged

root of a steep slope deviates tree

Average tree size in "dbh": mostly young to younger mature

Examples of large tree diameter: 26" Doug fir, 38" Ponderosa Pine, 27" GF, 24" DF

of old growth trees per acre: 37" GF

☒ Previously logged approx. age of trees hard to tell how much it was logged

Describe marking to cut: None

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

mature to old growth stumps

Mixed conifer, specify species and number in descending order of prevalence: ☒ Ponderosa Pine

☒ Juniper ☒ Doug Fir ☒ Western Larch ☒ Grand Fir ☒ Lodgepole Pine ☒ Engelman

Spruce ☒ Subalpine Fir ☒ Yew ☒ Mt. Mahogany ☒ Aspen ☒ Willow ☒ Alder

☒ Shasta Red Fir ☒ Sugar Pine ☒ White Pine ☒ Incense Cedar ☒ other:

Tree seedlings (species, quantity): lots of ES, LP, SF, GF

Quality and type of canopy closure, %: 70 under young & mature gf.

☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe: large old growth fir snag

% of defoliation - species and age of trees affected:

Doug fir mistle toe

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): North road was borrows potential, nut hatch foraging deer scat, pileated woodpecker foraging, black bear scat, skunk, jay bear foraging, elk trail, elk scat, snappers foraging, yellow pine chipmunk sitting, golden mantle ground squirrel, pileated wp call

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: Creek drainage along SE edge on eastern most stream.

Riparian buffers? Adjacent steep slopes? RHCA buffers needed

Unusual plants? None seen

Plant community types: bl huckleberry, elk sedge, prince's pine, grouse huckleberry, snowberry

Soil type, quality, compaction level(s):

Typical plants: ocean spray, sticky cumat, willow, pearly everlasting, yellow arnica, fireweed, sticky star chick, St John's wort, PN buckwheat, leaf lupine, Oregon grape

Steepness of slope/aspect of slope (direction it faces): 30°/SE

☒ Landslide risk, describe: Unstable slope; trees bowed to counterbalance

Density of roads (per sq. mi): Access road hydrologically connected to stream en route to

Effects of livestock grazing: None seen

Evidence of Animal Damage Control activities: None seen

Evidence of bait stations for hunting, hunters' camps: Elk logs (Bow season or poaching 8/25)

☐ Mining ☐ Herbicide spraying ☐ Gopher trappings/poison ☐ Other:

Exotic weeds seen: bull thistle

Recreational use: Mtn Dew can + other litter / ATV closed road visitation

Describe sale unit overall: Mostly young to mature grand fir, w/ ES, DF, & western larch. Not many large trees. 30° slope on east side w/ big openings & w/ snags & downed wood. Wildlife signs: deer, bear, elk

Surrounding area: ☐ contiguous forest ☐ high-graded forest ☐ never logged area ☐ canyon
☐ roadless area(s) ☐ wildlife corridor ☐ meadow ☐ grassland ☒ rocky upland In-between stringers
☐ high desert ☐ seedlings ☐ pine plantation ☒ clear cut ☐ other cut:

☒ public land, agency FS ☒ private land, ownership none

☒ riparian (specify): to southeast, creeke drainage

☒ area of human habitation none

Species seen adjacent to sale unit:

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

15:28	survey leading	16:42	OG-M DF down
15:38	Augustine next to old growth snag	16:46	Adam measuring OG OG GF
15:41	Augustine measuring Doug fir 26"	16:54	bug by snag GF
15:48	Potential root wad borrow	16:56	Adam by DF snag
15:51	Pileated wood pecker foraging	17:01	Far NE end of E stringer
15:52	Bear scat w/ pen		-Almost all snag
15:53	"		
16:10	abundant down logs for marten		
16:10	"		
16:12	2 photos inch worm		
16:15	inch worm on fir log		
16:26	30" Doug fir		
16:31	30° slope & young tree habending w/ soil creep		
16:32	mostly snags & pretty open		
16:34	root rot		
16:40	abundant down wood / few harvestable trees		

Recommendations
for sale unit:

**LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT**
27803 Williams Lane
Fossil, OR 97830

DATE 8/25/17
NTL FOREST Umatilla
DISTRICT Pomeroy
PROJECT Sunrise
UNIT 92/Cougar 319
SURVEYOR'S NAME Sean Laver
Augustine

Subjective evaluation of area:

☐ Roadless area ☐ Never logged ☐ Plantation ☐ Many old growth logs and snags

☐ Old growth/mature forest:

Average tree size in "dbh":

Examples of large tree diameter: 26"ES 21"ES 22"ES

of old growth trees per acre:

☒ Previously logged approx. age of trees

Describe marking to cut:

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

fir stumps

Mixed conifer, specify species and number in descending order of prevalence: ☐ Ponderosa Pine

☐ Juniper ☐ Doug Fir ☒ Western Larch ☒ Grand Fir ☒ Lodgepole Pine ☒ Engelman

Spruce ☐ Subalpine Fir ☐ Yew ☐ Mt. Mahogany ☐ Aspen ☐ Willow ☐ Alder

☐ Shasta Red Fir ☐ Sugar Pine ☐ White Pine ☐ Incense Cedar ☐ other:

Tree seedlings (species, quantity):

Quality and type of canopy closure, %:

☐ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe:

% of defoliation – species and age of trees affected:

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): Martin burrow (potential), Northern Flicker

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe:

Riparian buffers? Adjacent steep slopes?

Unusual plants?

Plant community types: big leaf huckleberry, grouse huckleberry,
princes pine

Soil type, quality, compaction level(s):

Typical plants: Pearly, Aster, lousewort, fireweed, willow, arnica,
burnet

Steepness of slope/aspect of slope (direction it faces): _____

Landslide risk, describe: _____

Density of roads (per sq. mi): _____

Effects of livestock grazing: _____

Evidence of Animal Damage Control activities: _____

Evidence of bait stations for hunting, hunters' camps: _____

Mining _____ Herbicide spraying _____ Gopher trappings/poison _____ Other: _____

Exotic weeds seen: _____

Recreational use: _____

Describe sale unit overall: _____

Surrounding area: _____ contiguous forest _____ high-graded forest _____ never logged area _____ canyon

roadless area(s) _____ wildlife corridor _____ meadow _____ grassland _____ rocky upland

high desert _____ seedlings _____ pine plantation _____ clear cut _____ other cut: _____

public land, agency _____ private land, ownership _____

riparian (specify): _____

area of human habitation _____

Species seen adjacent to sale unit: _____

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

12:03 header

12:03 gate

12:36 what sale is this? Current marker for #80

12:38 unid plant

12:38 unid plant

13:09 cougar 319

13:18 Adam w/ Englemann Spruce - 21" ES

13:19 Typical view

13:21 Adam measuring ES 22"

13:24 Potential Mink ^{root} ~~road~~ and burrow

13:25 ibid

15:13 bitter cherry

Recommendations
for sale unit: Leave it
alone + return in 100
years to assess

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT
27803 Williams Lane
Fossil, OR 97830

DATE 8-24-17
NTL FOREST Umatilla
DISTRICT Pomeroy
PROJECT Surprise
UNIT 83 (disconnected NW sec bt 81+80)
SURVEYOR'S NAME Kara, Marsha
Paula, Alice

Subjective evaluation of area: open w/ mostly young + a few mid-
sized trees, surrounded by miles of clear cut

☐ Roadless area ☐ Never logged ☐ Plantation ☐ Many old growth logs and snags
☐ Old growth/mature forest:

Average tree size in "dbh": Small-mid, mostly smaller

Examples of large tree diameter: ES b/t 16-20

of old growth trees per acre:

☒ Previously logged approx. age of trees very large OG fir stamp ^{or larch}

Describe marking to cut:

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

☐ Mixed conifer, specify species and number in descending order of prevalence: Ponderosa Pine

☐ Juniper ☐ Doug Fir ☒ Western Larch ☐ Grand Fir ☒ Lodgepole Pine ☒ Engleman

☐ Spruce ☐ Subalpine Fir ☐ Yew ☐ Mt. Mahogany ☐ Aspen ☐ Willow ☐ Alder

☐ Shasta Red Fir ☐ Sugar Pine ☐ White Pine ☐ Incense Cedar ☒ other: silver fir

Tree seedlings (species, quantity): lots of silver fir seedlings

Quality and type of canopy closure, %: 10-30%, very open canopy

☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist
area, high elevation, describe:

% of defoliation - species and age of trees affected: 15-20% mostly larch, fir, + ES, across
sizes sm-med

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts,
dens, burrows, beds, hives, etc.): ~~black bear, cougar, bobcat, lynx, wolf, coyote, marten, fisher, weasel, mink, badger, skunk, raccoon, porcupine, beaver, muskrat, otter, mink, fisher, weasel, mink, badger, skunk, raccoon, porcupine, beaver, muskrat, otter~~

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs,
creeks, rivers, lakes, ponds) describe:

Riparian buffers? Adjacent steep slopes?

Unusual plants?

Plant community types: big leaf hickberry, prince's pine

Soil type, quality, compaction level(s): heavy clay, compacted

Typical plants: arica, ribes, goose berry, early ericoid, wild strawberry

Steepness of slope/aspect of slope (direction it faces): 2-6°, N

 Landslide risk, describe:

Density of roads (per sq. mi):

Effects of livestock grazing:

Evidence of Animal Damage Control activities:

Evidence of bait stations for hunting, hunters' camps:

 Mining Herbicide spraying Gopher trappings/poison Other:

Exotic weeds seen: thistle + hawk weed adjacent

Recreational use:

Describe sale unit overall: so few mid-mature size trees don't know what commercial value even exists for this sale unless you plan to take only remaining larger trees mostly sapling + young trees

Surrounding area: contiguous forest high-graded forest never logged area canyon

 roadless area(s) wildlife corridor meadow grassland rocky upland

 high desert seedlings pine plantation ☒ clear cut ☒ other cut:

 public land, agency private land, ownership

 riparian (specify):

 area of human habitation

Species seen adjacent to sale unit: cougar, coyote + bear scat,

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

Paula's phone 5:40 pm x 4 clear cuts (same of Kara)
5:40 Marsha w/ DG stump adj to units 80, 83, & 81
5:47-5:49 pm (x12) 9

Recommendations
for sale unit: Drop,
due to riparian
area.

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT
27803 Williams Lane
Fossil, OR 97830

DATE 8/26/17
NTL FOREST Umatilla
DISTRICT Pomeroy
PROJECT Survey
UNIT 83
SURVEYOR'S NAME Augustine
Adam

Subjective evaluation of area: Valuable Martin habitat. Unit includes
seasonal runoff drainage. Mostly GF & ES. Lots of
evidence of agitated woodpecker presence (foraging).

☐ Roadless area ☐ Never logged ☐ Plantation ☐ Many old growth logs and snags

☐ Old growth/mature forest:

Average tree size in "dbh": 12"

Examples of large tree diameter: 37" WL, 20" WL, 20" ES, 21" LP, 20" GF, 34" DF

of old growth trees per acre:

☒ Previously logged approx. age of trees

Describe marking to cut:

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

Stumps (fir)

☐ Mixed conifer, specify species and number in descending order of prevalence: ☐ Ponderosa Pine

☐ Juniper ☒ Doug Fir ☒ Western Larch ☒ Grand Fir ☒ Lodgepole Pine ☒ Engelman

Spruce ☒ Subalpine Fir ☐ Yew ☐ Mt. Mahogany ☐ Aspen ☐ Willow ☐ Alder

☐ Shasta Red Fir ☐ Sugar Pine ☐ White Pine ☐ Incense Cedar ☐ other:

Tree seedlings (species, quantity): numerous ES, some WL, LP

Quality and type of canopy closure, %: mostly open ES & snags 30%, denser ES

& GF: 60%

☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe: high elevation, partially north facing

% of defoliation - species and age of trees affected:

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): agitated woodpecker foraging, possible sap sucker
foraging, Douglas squirrel, chipmunk w/ white stripe, rocky mtn chickadee call
small woodpecker foraging, deer trail, deer marking on tree

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: seasonal runoff drainage

Riparian buffers? Adjacent steep slopes? both

Unusual plants?

Plant community types: bl huckleberry, grass huckleberry, prince pine, elk
sedge, pine grass

Soil type, quality, compaction level(s): ashy/light tan to loamy (by drainage)

Typical plants: slippery elm, foxtail, arnica, mtn ash, western edumond
bulrush, plenty evergreen firwood, overcast, rocky mtn maple
plastic huckleberry, small yellow flowers, some moss, yellow

Steepness of slope/aspect of slope (direction it faces): 15/20 degree East facing

Landslide risk, describe: n/a

Density of roads (per sq. mi): 3.75

Effects of livestock grazing: n/a

Evidence of Animal Damage Control activities: n/a

Evidence of bait stations for hunting, hunters' camps: n/a

Mining ☐ Herbicide spraying ☐ Gopher trappings/poison ☐ Other: ☐

Exotic weeds seen: N/A

Recreational use: N/A

Describe sale unit overall: Sapling & mature OS LP W/L PF & GF interspersed throughout sale relatively open cover w/ ample snags & downed logs. Steep slopes are shallow to moderate pitch. Sale includes seasonal runoff drainage.

Surrounding area: ☒ contiguous forest ☐ high-graded forest ☐ never logged area ☐ canyon

☐ roadless area(s) ☐ wildlife corridor ☐ meadow ☒ grassland ☐ rocky upland

☐ high desert ☐ seedlings ☐ pine plantation ☒ clear cut ☐ other cut: ☐

☒ public land, agency F.S. ☐ private land, ownership n/a

☐ riparian (specify): seasonal runoff

☐ area of human habitation n/a

Species seen adjacent to sale unit:

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

15:57 survey heading

16:01 appetited w. p. foraging on downed fir

16:03 Augustine w/ fir stump evidence of logging

16:10 possible sapsucker foraging

16:12 appetited foraging on snag

16:15 Augustine measures a western larch

16:18 typical view

16:23 Augustine measures ES

16:25 appetited foraging

16:31 Augustine measures lodgepole

16:38 typical view

16:44 Augustine measures G. F.

16:49 cool ~~forest~~ day

16:50 small woodpecker foraging on snag

16:56 typical view

16:57 Augustine measures large doug fir

17:05 Adjacent clear cut

unstamped 1: riparian area - creek drainage

unstamped 2: Ibid

unstamped 3: Augustine measuring large spruce

Recommendations

for sale unit: ④ DROP!!

LEAGUE OF WILDERNESS

DEFENDERS

BLUE MOUNTAINS

BIODIVERSITY PROJECT

27803 Williams Lane

Fossil, OR 97830

DATE August 26th, 2017

NTL FOREST Umatilla

DISTRICT Pomeroy

PROJECT Sunrise

UNIT 86 (Cougar #322)

SURVEYOR'S NAME Karen C.

Subjective evaluation of area: Excellent marten habitat w/ abundant down logs & good canopy closure. We are strongly opposed to logging never logged forest & suitable marten source habitat. Beautiful secluded old growth habitat. We oppose logging old

Roadless area ☒ (Never logged)

Plantation

Many old growth logs and snags

growth & large trees

☒ Old growth/mature forest:

mostly trees < 14" dbh but w/ some OG live ES & OG logs + trees

Average tree size in "dbh": Variable, 29.2" ES, 22.5" ES, 25.7" ES, 34.8" ES

Examples of large tree diameter: 24" ES, 27" WL, 19" Subalpine fir, 26.3" ES, 23.5" ES, 31.3" ES

of old growth trees per acre: 11 live OG Englemann spruce, OG snags - 1 WL, 1 ES, & 1 LP,

& 2 OG logs: 4 OG fir, 3 OG ES

Previously logged approx. age of trees

Describe marking to cut: None

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

No sign of past logging

☒ Mixed conifer, specify species and number in descending order of prevalence: Ponderosa Pine

Juniper ☒ Doug Fir ³ ☒ Western Larch Grand Fir ☒ Lodgepole Pine ² ☒ Engelman

Spruce ² ☒ Subalpine Fir Yew Mt. Mahogany Aspen ☒ Willow Alder

Shasta Red Fir Sugar Pine White Pine Incense Cedar other: Rocky Mt. maple

Tree seedlings (species, quantity): Mostly ES & LP w/ some WL & Subalpine fir

Quality and type of canopy closure, %: about 60% under in ES & a little Subalpine fir, some DF

☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist

area, high elevation, describe: WL up to 27" dbh, an OG Subalpine fir log, ES up to 24" dbh, 26.3"

moist hollow, moist PAG, large OG ES & fir logs, OG WL snags, 31" dbh

% of defoliation - species and age of trees affected: Mostly green except for OG WL snags

& some OG ES & in Subalpine fir snags

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts,

dens, burrows, beds, hives, etc.): Douglas squirrel, a probable owl or Cooper's hawk w/ banded

sapsucker foraging, bear scat, N. Flicker heard, Elk scat, deer scat, tail,

fresh Pileated woodpecker foraging.

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs,

creeks, rivers, lakes, ponds) describe: None seen

Riparian buffers? Adjacent steep slopes?

Unusual plants? Cott's foot? (19/13)

Plant community types: Grouse huckleberry, Snowberry, Big leaf huckleberry,

Soil type, quality, compaction level(s): light tan ash

Typical plants: Penstemon sp., harrow, Mugwort, Ceanothus, Fireweed, Arnica, Burnot,

Pearly Everlasting, wild Strawberry, Blueberry sp., Pathfinder, Violet sp.,

W. Columbine, Phacelia, Golden rod, Swamp gooseberry, Nettles, Usnea sp.,

Steepness of slope/aspect of slope (direction it faces): mild slope w/ N aspect & moist hollow

Landslide risk, describe: N/A

Density of roads (per sq. mi):

Effects of livestock grazing: None seen

Evidence of Animal Damage Control activities: None seen

Evidence of bait stations for hunting, hunters' camps:

Mining ☐ Herbicide spraying ☐ Gopher trappings/poison ☐ Other:

Exotic weeds seen:

Recreational use: Very beautiful & w/ ATV trail adjacent, so likely recreational use.

Describe sale unit overall:

Surrounding area: ☒ contiguous forest ☐ high-graded forest ☐ never logged area ☐ canyon

☐ roadless area(s) ☐ wildlife corridor ☐ meadow ☐ grassland ☐ rocky upland

☐ high desert ☐ seedlings ☐ pine plantation ☐ clear cut ☐ other cut:

☒ public land, agency FS ☐ private land, ownership None

riparian (specify):

area of human habitation None

Species seen adjacent to sale unit:

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used. Karen's Canon 13:58 Surrey heading

Photo #s & descriptions: 16:04 - 2 photos of Thuyberry

16:07 - OG + m WL + ES overstory (16:17) me w/ a 27" dbh OG WL

16:20 - an OG Subalpine fir log (16:25) typical view - never logged OG ES/WL/Subalpine fir forest

16:33 - me w/ a 26.3" dbh OGES (16:37) Sapsucker foraging on a Subalpine fir snag

16:41 - a potential martin rootwad burrow

16:45 - Sale unit boundary sign - facing into sale unit 86 (16:47) another OG Subalpine fir log

16:48 - another possible martin rootwad burrow

16:52 - top of 31" dbh OGES (16:54) dbh tape on same 31" ES (16:56) Karen w/ same 36" ES

16:58 - roost holes in a hollow m fir snag (17:01) a large OG ES log w/ 13" long clipboard

17:06 - 4 OG ES & Subalpine fir forest w/ openings, typical view

17:10 - an OG WL snag w/ m Subalpine fir on left & a large OG ES on right

17:13 - unident plant - Coltsfoot? (17:17) me hugging a 31.3" dbh OGES

17:19 - me hugging a 29" dbh OG ES w/ distinctive incurved trunk (17:34) fresh Pileated foraging in an OG LP snag

17:25 - me sitting on a large OG ES log (17:29) an OG ES snag

17:35 - an OG WL snag (17:43) an OG fir log w/ 13" clipboard

17:46 - me sitting on the root of a 34" dbh OG ES

OG Count:
OG ES - 4, 14, 11, 1

OG snags - 4 OG WL, 1 OG ES, 1 OG LP,
OG logs - 3 OG ES, 1 OG fir, 1 OG fir, 1 OG fir,

Recommendations

for sale unit: Drop:

carrying from previous logging, riparian areas, wildlife presence, old growth stands. Needs time.

LEAGUE OF WILDERNESS
DEFENDERS

BLUE MOUNTAINS
BIODIVERSITY PROJECT

27803 Williams Lane

Fossil, OR 97830

DATE 8/30/17

NTL FOREST Umatilla

DISTRICT Pomeroy

PROJECT Survivor

UNIT 94

SURVEYOR'S NAME Widow

*(36" GF)
(38" GF)
(33" ES)*

Subjective evaluation of area: This large unit has a little bit of everything. A few old growth WL groves, old growth GF groves, a seasonal runoff drainage, a pond, recovering forest (past logging), clear signs of wildlife presence. Very diverse & beautiful!

(37" GF)

☐ Roadless area ☐ Never logged ☐ Plantation ☐ Many old growth logs and snags

☒ Old growth/mature forest: WL & GF

(40" ES)

Average tree size in "dbh": Southern half mature or near mature. Separation small. Northern half

Examples of large tree diameter: 21" WL, 28" WL, 21" ES, 29" GF, 29" ES, 36" ES, 35" WL

(37.5" GF)

of old growth trees per acre: 14 WL, 12 WL snag, 1 ES

(34" GF)

☒ Previously logged approx. age of trees

Describe marking to cut: blue markings on SAH (many) & on DF, pink flagging in area

marking on WL

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

fir stumps, dark metal cable

☐ Mixed conifer, specify species and number in descending order of prevalence: ☐ Ponderosa Pine

☐ Juniper ☒ Doug Fir ☒ Western Larch ☒ Grand Fir ☐ Lodgepole Pine ☒ Engelman

☐ Spruce ☒ Subalpine Fir ☐ Yew ☐ Mt. Mahogany ☐ Aspen ☐ Willow ☐ Alder

☐ Shasta Red Fir ☐ Sugar Pine ☐ White Pine ☐ Incense Cedar ☐ other: _____

Tree seedlings (species, quantity): GF, WL, DF, ES, LP

Quality and type of canopy closure, %: 50% w/ GF, WL & SAF

☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe: _____

% of defoliation - species and age of trees affected: some defoliation - mostly affecting GF

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): Elk scat, northern flicker, deer scat, Douglas squirrel, woodpecker foraging, coyote scat, deer trails, bear scat (worm!), mocking jay, deer markings on young LF, deer bed, upturned woodpecker foraging on fir snag

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: Seasonal runoff drainage, pond

Riparian buffers? Adjacent steep slopes? _____

Unusual plants? _____

Plant community types: BL huckle berry, grouse huckle berry, Prince's pine, elk sedge, twin flower

Soil type, quality, compaction level(s): ashy / tan clay

Typical plants: Aspen, wild strawberry, partly everbearing pine drop, currant, yarrow, rattlesnake plantain, paintbrush, thimbleberry, blueberry, cone flower, Oregon grape, service berry, wild rose

Steepness of slope/aspect of slope (direction it faces): flat, some 15° NW facing slopes

Landslide risk, describe: _____

Density of roads (per sq. mi): 3.5

Effects of livestock grazing: n/a

Evidence of Animal Damage Control activities: n/a

Evidence of bait stations for hunting, hunters' camps: n/a

Mining _____ Herbicide spraying _____ Gopher trappings/poison _____ Other: _____

Exotic weeds seen: bull thistle

Recreational use: _____

Describe sale unit overall: Southern portion: mix of young forest & mature / OG WLs GF PF ES & SAF.

Biologically diverse w/ healthy understory. Recovering from logging. Western portion: few to no mature trees. Northern portion: many old growth GF & marsh. Evidence of fire throughout

Surrounding area: ☒ contiguous forest _____ high-graded forest _____ never logged area _____ canyon

_____ roadless area(s) _____ wildlife corridor _____ meadow _____ grassland ☒ rocky upland

_____ high desert _____ seedlings ☒ pine plantation _____ clear cut _____ other cut: _____

☒ public land, agency FS _____ private land, ownership n/a

_____ riparian (specify): _____

_____ area of human habitation _____

Species seen adjacent to sale unit: _____

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

- | | |
|---------------------------------------|--------------------------------------|
| 30 header | 350 apple lined wood pecker foraging |
| 31 blue markings on SAF | on fir snag |
| 32 Adam on OG fir stump | |
| 33 OG grove of WL | 351 37" GF w/ blue paint & Widow |
| 334 Adam w ES | 352 huge apple lined wood pecker |
| 35 ibid | foraging on fir snag |
| 36 deer markings on Young LF | |
| 37 ibid | |
| 38 pond | |
| 339 ibid | |
| 340 mushroom? | |
| 341 ibid | |
| 342 burned stump w/ Black huckleberry | |
| 343 proof of fire | |
| 344 defoliated SAF & GF | |
| 345 unidentified burrow | |
| 346 Adam measuring 35" WL | |
| 347 ibid | |
| 348 widow measuring GF | |
| 349 fresh cut GF w/ 40" GF | |

Typical plants: wild strawberry, currant, buckthorn, western columbine & ~~Rue~~ Rue, swamp goldenberry, rattlesnake plantain, current elderberry, goldenrod, Rocky mtn maple, aster ocean spray, lupine, heart leaf arnica, oregon grape

Steepness of slope/aspect of slope (direction it faces): Flat

Landslide risk, describe: _____

Density of roads (per sq. mi): _____

Effects of livestock grazing: None seen

Evidence of Animal Damage Control activities: None seen

Evidence of bait stations for hunting, hunters' camps: None seen

Mining _____ Herbicide spraying _____ Gopher trappings/poison _____ Other: _____

Exotic weeds seen: Candolle thistle

Recreational use: Beer can

Describe sale unit overall: Dense young growth w/ one old growth grove

Surrounding area: _____ contiguous forest _____ high-graded forest _____ never logged area _____ canyon

_____ roadless area(s) _____ wildlife corridor ☒ meadow _____ grassland _____ rocky upland

_____ high desert _____ seedlings _____ pine plantation _____ clear cut _____ other cut: _____

_____ public land, agency _____ private land, ownership _____

_____ riparian (specify): _____

_____ area of human habitation _____

Species seen adjacent to sale unit: _____

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

- | | |
|---|----------------------------------|
| 3:12 - survey header | 3:57 - Twin Flower |
| 3:12 - PP stump | 4:10 - Open area
typical view |
| 3:15 - Fire scars on WL | |
| 3:16 - skid trail on
soil | 4:30 - Fire scars
on ES |
| 3:22 - sapsucker foraging
on old growth snag | 4:31 - Fire scar on
OG BGF |
| 3:24 - Possible marten
burrowing | 4:48 - Fresh Bear
forage |
| 3:24 - Two close up pictures
of burrows on same
fallen tree | |
| 3:28 - Pileated foraging | |
| 3:29 - 3" BS at Roscoe | |
| 3:52 - Typical view:
lots of snags &
down logs - some
old growth | |

Recommendations
for sale unit: Drop-
unlogged, incredibly steep
slope towards a river

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT
27803 Williams Lane
Fossil, OR 97830

DATE 08-26-2017
NTL FOREST Umatilla
DISTRICT Pomeroy
PROJECT Sunshine
UNIT 102
SURVEYOR'S NAME Roscoe, Cooper, Will

Subjective evaluation of area:

Roadless area ☒ Never logged ☐ Plantation ☐ Many old growth logs and snags
☒ Old growth/mature forest:

Average tree size in "dbh": Extremely variable

Examples of large tree diameter: 27" PP 24" PP 28" GF 33" GF 29" ES

of old growth trees per acre: 3 OG DF 4 OG ES 6 OG GF 4 Snags 6 Logs

Previously logged approx. age of trees N/A

Describe marking to cut: None

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

old logging rd. on west side of unit

Mixed conifer, specify species and number in descending order of prevalence: 3 Ponderosa Pine

Juniper 2 Doug Fir Western Larch 1 Grand Fir Lodgepole Pine 4 Engelman

Spruce Subalpine Fir Yew Mt. Mahogany Aspen Willow Alder

Shasta Red Fir Sugar Pine White Pine Incense Cedar other:

Tree seedlings (species, quantity): DF, PP, GF - Sparse but very healthy

Quality and type of canopy closure, %: 70% in denser areas - 40% in Natural openings

☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe: East facing slope w/ mixed density. Incredibly moist, with lots of twinflower

% of defoliation - species and age of trees affected: 20-40% OG Fir

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): Mountain Chickadee, Elk Scat, Red Breasted Nuthatch Call
Sapsucker forage, Deer Scat, Doug Squirrel forage, Pileated forage
Bear forage

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: Drainage to the East - very moist.

Medium to large cobble

Riparian buffers? Adjacent steep slopes? Steep west facing slope adjacent

Unusual plants? None

Plant community types: Snowberry, Elk Sedge, Pinegrass, Prince's Pine, Twinflower

Soil type, quality, compaction level(s): Semi-compact clay

Typical plants: Oregon Grape, Yarrow, Rocky Mountain Maple, Hawkweed,
Cianthis, Wild Strawberry, Meadow Rue, Sword Fern, Rattlesnake Plantain,
Rose

Steepness of slope/aspect of slope (direction it faces): 37° slope facing ~~East~~ East

☒ Landslide risk, describe: YES - incredibly steep

Density of roads (per sq. mi): _____

Effects of livestock grazing: None

Evidence of Animal Damage Control activities: None

Evidence of bait stations for hunting, hunters' camps: None

☐ Mining ☐ Herbicide spraying ☐ Gopher trappings/poison ☐ Other: _____

Exotic weeds seen: Canada Thistle

Recreational use: None

Describe sale unit overall: Extremely steep unit w/ East facing slope.

Leads down to drainage stream to Asotin Creek. Mixed

conifers ranging from sapling to OG. Lots of down wood

Surrounding area: ☐ contiguous forest ☐ high-graded forest ☐ never logged area ☐ canyon

☐ roadless area(s) ☐ wildlife corridor ☐ meadow ☐ grassland ☒ rocky upland

☐ high desert ☐ seedlings ☐ pine plantation ☐ clear cut ☐ other cut: _____

☐ public land, agency ☐ private land, ownership

☒ riparian (specify): Seasonal creek on southern end / ~~Asotin (N. side) on N. side~~
Eastern end

Species seen adjacent to sale unit: None

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

162 - Survey header

163 - OG PP log

164 - ~~164~~ NE drainage - typical shot, very woody

165 - Snag on slope w/ burrow 3 pilzated woodpecker forage

166 - Close up of previous snag

167 - 2 OG snags

168 - Sapsucker forage on Down log

169 - Willow with 29° ES

170 - Seasonal creek on S. End - meandering w/ large cobble

171 - Bear forage

DF III ES III PP GF IIII

Snag III Log IIII

*PUWO

Recommendations
for sale unit:
RETAIN MATURE & OG
CONIFER - THIN
YOUNGER FIR. RETAIN
150 FT. CRACK BUFFER
Subjective evaluation of area:

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT
27803 Williams Lane
Fossil, OR 97830

DATE AUG. 28 2017
NTL FOREST UMATILLA
DISTRICT POMEROY
PROJECT SUNRISE
UNIT 112
SURVEYOR'S NAME CLARK ADAM
BILL (DOC)

☐ Roadless area ☐ Never logged ☐ Plantation ☐ Many ~~old growth~~ logs and snags

☒ Old growth/mature forest:

Average tree size in "dbh": 8-16" W/ OG COMPONENT ON LOWER SLOPE

Examples of large tree diameter: 28" GF, 21" DF, 31" ES

of old growth trees per acre: VERY FEW, LESS THAN 1/ACRE, INCREASE IN OLD GROWTH IN LOWER 3RD OF UNIT: 3 PP, 6 GF, 2 DF LIVE, 4 FIR SNAGS, 1 PP SNAG, 4 FIR LOGS

Previously logged approx. age of trees NO STUMPS SEEN

Describe marking to cut:

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

☒ Mixed conifer, specify species and number in descending order of prevalence: Ponderosa Pine
Juniper 2 Doug Fir Western Larch 1 Grand Fir Lodgepole Pine 3 Engelman
Spruce 4 Subalpine Fir Yew Mt. Mahogany Aspen Willow Alder
Shasta Red Fir Sugar Pine White Pine Incense Cedar other:

Tree seedlings (species, quantity): PREDOMINATELY GRAND FIR

Quality and type of canopy closure, %: 60, CANOPY SPARSE, NEEDLE CANITLAW

☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist
area, high elevation, describe: PREDOMINATELY YOUNG OLD GROWTH * 10/ACRE 1.2
LONGER 3RD

% of defoliation - species and age of trees affected: MISTLETOE, DISEASE FROM FUNGUS,
SHADING, HEAVY BLOWDOWN

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/feeding, roosts,
dens, burrows, beds, hives, etc.): WILSON'S PHOEBASTRY, PILEATED WOODPECKER, HEAVY
FORAGING, COBBLE

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs,
creeks, rivers, lakes, ponds) describe: PERENNA CRACK BELOW UNIT

Riparian buffers? Adjacent steep slopes?

Unusual plants? THISTLE CUCKER

Plant community types: PRINCES PINE, BIG LEAF HUCKLEBERRY

Soil type, quality, compaction level(s): LIGHT TAN ASHY LOOSE, ROCKY

Typical plants: YARROW, CUPRANT, GOOSEBERRY, PATHFINDER, FATTISHING PLANTAIN
ARNICA, WILDOUSE, MOUNTAIN

Steepness of slope/aspect of slope (direction it faces): 30% NNW & N

☒ Landslide risk, describe: steep very loose soil

Density of roads (per sq. mi): 2 miles / mile²

Effects of livestock grazing: NONE

Evidence of Animal Damage Control activities: —

Evidence of bait stations for hunting, hunters' camps: —

No Mining No Herbicide spraying No Gopher trappings/poison Other: —

Exotic weeds seen: THISTLE, CLEVER

Recreational use: NOT SEEN, ELK USE HIGH

Describe sale unit overall: CROWDED MOSTLY YOUNGER CONIFER STAND
SPARSE GROUND COVER STEEP LOOSE ASHY SOIL, SURROUNDED
BY PLANTATION

Surrounding area: — contiguous forest — high-graded forest — never logged area — canyon

— roadless area(s) — wildlife corridor — meadow — grassland — rocky upland

— high desert — seedlings ☒ pine plantation ☒ clear cut — other cut: —

— public land, agency — private land, ownership —

☒ riparian (specify): PERENNIAL STREAM BELOW

— area of human habitation —

Species seen adjacent to sale unit: —

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

450 - PHOTO HEADER - PAULAS CANON

451 - 28" OG ground

452 - mushroom squirrel cache

453 - Woodpecker forage in fir snag

454 - dained wood mid slope

455 - 15" SUMMIT BTIF. typical in stand

456 - 27" OG DF

457 - OG DF w/ old fire scar/heart rot

458 - typical view of young conifer & dained wood

459 - Flowing Seepage in unit

460 - 37" ENGELMANN

461 - PANDORA PAINT ON ORANGE STRIPE

Recommendations

for sale unit: Drop to

LEAGUE OF WILDERNESS

DEFENDERS

BLUE MOUNTAINS

BIODIVERSITY PROJECT

27803 Williams Lane

Fossil, OR 97830

DATE

NTL FOREST

DISTRICT

PROJECT

UNIT

SURVEYOR'S NAME

2/28/17

Umstilla

Ponderosa

Surprise

113

Clark

Subjective evaluation of area: Fire scarring, most likely a fire swept
the area. Most OG trees have scarring, & as a result of fire soil
is loose. Mix of dense & open slopes.

☒ Roadless area ☒ Never logged ☐ Plantation ☐ Many old growth logs and snags

☒ Old growth/mature forest:

Average tree size in "dbh": Highly variable

Examples of large tree diameter: PP 44" PP 36" DF 31" GF 15" GF 33"

of old growth trees per acre: 9 PP, 1 DF, 4 fir snags, 3/4 PP snags, 4 fir logs, 1

Previously logged approx. age of trees

Describe marking to cut:

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

Mixed conifer, specify species and number in descending order of prevalence: ☒ Ponderosa Pine

☒ Juniper ☒ Doug Fir ☐ Western Larch ☒ Grand Fir ☐ Lodgepole Pine ☒ Engleman

Spruce ☐ Subalpine Fir ☐ Yew ☐ Mt. Mahogany ☐ Aspen ☐ Willow ☐ Alder

Shasta Red Fir ☐ Sugar Pine ☐ White Pine ☐ Incense Cedar other: Rocky mtn. Maple

Tree seedlings (species, quantity): fir seedlings predominant

Quality and type of canopy closure, %: 80% w/ PP, WL, & Fir, & S

☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe:

% of defoliation - species and age of trees affected: wild cherry on DF

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): deer scat, spotted woodpecker foraging, foraging on log
squirrel call, small burrows, elk tracks, elk scat, pygmy nutcracker
woodpecker roost on OG GF, bear scat, coyote scat

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: perennial stream adjacent, seepage/spring
near road wad

Riparian buffers? Adjacent steep slopes? Creek downhill of steep, loose slopes

Unusual plants?

Plant community types: pinegrass, elk sedge, snawberry, Bl huckleberry

Soil type, quality, compaction level(s): ashy tan clay

Typical plants: mahogany, tin cherry, yarrow, currant, wild strawberry
service berry, pine drop, lupine, subre fln, wild rose, violet
pathfinder, rubber tree, plantain

Steepness of slope/aspect of slope (direction it faces): 37° on WNW slope

☒ Landslide risk, describe: loose open, steep slopes

Density of roads (per sq. mi): 1.5 miles

Effects of livestock grazing: n/a

Evidence of Animal Damage Control activities: n/a

Evidence of bait stations for hunting, hunters' camps: n/a

☐ Mining ☐ Herbicide spraying ☐ Gopher trappings/poison ☐ Other: _____

Exotic weeds seen: thistle

Recreational use: n/a

Describe sale unit overall: Old growth PP w/ some OG fir on steep dry, loose slopes. Some snags & logs on western half.

Surrounding area: ☐ contiguous forest ☐ high graded forest ☐ never logged area ☐ canyon

☐ roadless area(s) ☐ wildlife corridor ☐ meadow ☒ grassland ☐ rocky upland

☐ high desert ☐ seedlings ☐ ~~pine~~ plantation ☒ clear cut ☐ other cut: _____

☒ public land, agency F.S. ☐ private land, ownership n/a

☒ riparian (specify): perennial stream to the west (downhill)

area of human habitation n/a

Species seen adjacent to sale unit: n/a

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

1:35 Survey header

1:36 PP snag

1:37 PP w/ fire scarring

1:38 woodpecker foraging on snags

1:39 bird

1:40 foraging on fir log

1:41 burrows in PP snag

1:42 snags & small meadow in middle of unit

1:43 pine drop

1:44 PP snag w/ nice grain

1:45 OG GF

1:46 seepage near road w/ spring

1:47 woodpecker roost on GF (ol growth)

1:48 fire scarring on OG PP

Swamp geese, many seen everywhere

Steepness of slope/aspect of slope (direction it faces): 30° East facing (SE)

West section of unit is 22° w/E facing

✓ Landslide risk, describe: Steep slopes, ashly soils

Density of roads (per sq. mi):

Effects of livestock grazing: some cow paths

Evidence of Animal Damage Control activities: —

Evidence of bait stations for hunting, hunters' camps: —

— Mining — Herbicide spraying — Gopher trappings/poison Other: —

Exotic weeds seen: Bull thistle

Recreational use: —

Describe sale unit overall: variable density & species dominant - very open on NE-creek (March 18)
along the SW boundary - more moist mixed conifer + density further west becomes
more moist - mixed conifer + dense healthy canopy w/ perennial creek + seepages

Surrounding area: ✓ contiguous forest ✓ high-graded forest ✓ never logged area — canyon

✓ roadless area(s) — wildlife corridor — meadow — grassland ✓ rocky upland

— high desert — seedlings — pine plantation — clear cut — other cut:

✓ public land, agency USFS — private land, ownership —

— riparian (specify): —

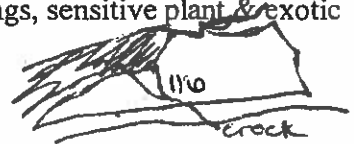
— area of human habitation —

Species seen adjacent to sale unit: —

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

Paulas Canon



468 Survey Header

469 Steep slope w/ clearcut in background (30° slope)

470 view of open dry young mixed conifer rocky steep slopes

471 Maria + Olipp

472 view of rocky steep sparse unlogged open patch, - above flowing creek

473 small burrow adjacent to roadless area in background.

474 view of mature + old DF + GF on steep slopes + cliffs on SE edge of unit

475 foraging on old fir snag

476 30% GF with Maria

477 live GF w/ blue markings

478 old fir snag w/ blue markings

479 old fir + ESpruce creek side

480 foraging in old log

481 40% GF + ESpruce grove - dense/moist - unlogged w/ spruce + pine interspersed

482 edge of NW of unit previously logged

483 snags w/ markings to cut on mature DF

Recommendations
for sale unit:

DROP
never logged

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT

27803 Williams Lane
Fossil, OR 97830

DATE 8/29/17

NTL FOREST Unaffiliated

DISTRICT Pomeroy

PROJECT Sunrise

UNIT 118

SURVEYOR'S NAME Maria Adam

Subjective evaluation of area: Some old growth mature trees, but mostly younger trees (12" & smaller). A fire most likely swept the unit.

GF #4

☐ Roadless area ☐ Never logged ☐ Plantation ☐ Many old growth logs and snags

☐ Old growth/mature forest:

Average tree size in "dbh": 12"

Examples of large tree diameter: 35" GF, LP 16", 50.5" GF, LP 15", 32" DF

of old growth trees per acre: 5 GF, 1 DF

☒ Previously logged approx. age of trees

Describe marking to cut:

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

☐ Mixed conifer, specify species and number in descending order of prevalence: Ponderosa Pine

Juniper ² ☒ Doug Fir ³ ☒ Western Larch ¹ ☒ Grand Fir ⁴ ☒ Lodgepole Pine ³ ☒ Engleman

Spruce ☐ Subalpine Fir ☐ Yew ☐ Mt. Mahogany ☐ Aspen ☐ Willow ☐ Alder

Shasta Red Fir ☐ Sugar Pine ☐ White Pine ☐ Incense Cedar ☐ other: ☐

Tree seedlings (species, quantity): GF, DF, LP

Quality and type of canopy closure, %: 60% GF & CS

☐ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe:

% of defoliation - species and age of trees affected: Some ~~deciduous~~ willows brown

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): woodpecker foraging, Doug squirrel, turnflower, elk scat, bear scat, common raven

Riparian area in or adjacent to area/unit(s), (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: n/a

Riparian buffers? Adjacent steep slopes? n/a

Unusual plants?

Plant community types: BL Hackberry, prince's pine

Soil type, quality, compaction level(s): thick duff over brown clay

Typical plants: grasses, rattlesnake plantain, meadow rue, violets, swamp yucca

Steepness of slope/aspect of slope (direction it faces): 10° NW facing in Western half,
20° N facing in eastern

Landslide risk, describe: n/a

Density of roads (per sq. mi): ~~1 mile~~ 1 mile

Effects of livestock grazing: n/a

Evidence of Animal Damage Control activities: n/a

Evidence of bait stations for hunting, hunters' camps: n/a

☐ Mining ☐ Herbicide spraying ☐ Gopher trappings/poison ☐ Other: _____

Exotic weeds seen: Ball thistle

Recreational use: n/a

Describe sale unit overall: Sparse understory, lot of downed wood, mostly
younger trees w/ some old growth GF.

Surrounding area: ☒ contiguous forest ☐ high-graded forest ☐ never logged area ☐ canyon

☐ roadless area(s) ☐ wildlife corridor ☐ meadow ☐ grassland ☐ rocky upland

☐ high desert ☐ seedlings ☐ pine plantation ☐ clear cut ☐ other cut: _____

☒ public land, agency E.S. ☐ private land, ownership WA

☐ riparian (specify): n/a

☐ area of human habitation n/a

Species seen adjacent to sale unit: _____

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions:

- 486 Survey leader
- 487 GF snags
- 488 View of young dense GF
- 489 Squirrel cached mushroom
- 490 50.5" GF w/ young firs
- 491 Downed wood
- 492 Aspen w/ GF 50.5"
- 493 Aspen w/ GF
- 494 Woodpecker foraging on WL
- 495 Steeper slope on eastern half of unit w/ down logs
- 496 healthy green canopy mixed conifer

* The Sunrise sale units seem to be what was not selected for logging in the past for
* Suitable martin subnivian foraging habitat ^{good reasons - mostly small trees or}

Never
Logged

Recommendations

for sale unit: * DROP

LEAGUE OF WILDERNESS

DEFENDERS

BLUE MOUNTAINS

BIODIVERSITY PROJECT

27803 Williams Lane

Fossil, OR 97830

DATE August 31st, 2017

NTL FOREST Lumatilla

DISTRICT Pomeroy

PROJECT Sunrise

UNIT 121

SURVEYOR'S NAME Karen C

mostly
snags &
logs, &
often on
steep slopes

Good wildlife old growth
habitat w/ lots of OS snags
& logs, some OS like ES & WL.
Healthy, fairly open, w/ fresh
Pileated foraging.

Subjective evaluation of area:

This apparently never logged stand has great old growth
structure for wildlife, but it's mostly snag & log habitat, so much more valuable
to wildlife than for the timber industry, which is typical for this sale. Beautiful
forest

Roadless area ☒ (Never logged) Plantation ☒ Many old growth logs and snags

☒ Old growth/mature forest:

Average tree size in "dbh":

Examples of large tree diameter: 27" ES, 26.5" ES, 31" ES, 31" WL, 30" ES, 32" ES, 28" WL, 45" D

of old growth trees per acre: 6 # live OG ES, 1 live OG WL, w/ OG snags: 6 OG ES snags & 2

Subalpine fir snags, & OG logs: 7 ES, 4 WL, & 3 Subalpine fir OG logs.

☒ Previously logged approx. age of trees at periphery (edges) of sale unit

Describe marking to cut: old orange mark to leave on an OG WL

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

on edges of sale unit only

Mixed conifer, specify species and number in descending order of prevalence: Ponderosa Pine

Juniper ☒ Doug Fir ☒ Western Larch ☒ Grand Fir ☒ Lodgepole Pine ☒ Engleman

Spruce ☒ Subalpine Fir ☒ Yew ☒ Mt. Mahogany ☒ Aspen ☒ Willow ☒ Alder

Shasta Red Fir ☒ Sugar Pine ☒ White Pine ☒ Incense Cedar ☒ other:

Tree seedlings (species, quantity): a lot of ES & Subalpine fir seedlings - More DF + GF seedlings

Quality and type of canopy closure, %: about 25-30% under 1 OG WL, 1 M ES & 1 M Subalpine fir
& young ES.

☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist

area, high elevation, describe: large OG live ES & WL, large OG ES, WL, & Subalpine fir
snags & logs, about 5,900 ft elevation, above a tributary stream to Astoria Creek

% of defoliation - species and age of trees affected:

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts,

dens, burrows, beds, hives, etc.): highly suitable root wad burrows for martin - eg. 13:48-13:49

fresh & older Pileated woodpecker foraging, Ravens, Bobcat or Lynx scat,

Sapsucker foraging, Douglas squirrel, Stellers Jays, fresh bear foraging (15:28)

60% a grouse seen,

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs,

creeks, rivers, lakes, ponds) describe: above the mi a tributary to the Middle Branch
of Astoria Creek

Riparian buffers? Adjacent steep slopes?

No buffer is mapped between units 122 & 121, which means the stream needs
to be buffered by at least 150 ft.

Unusual plants?

Plant community types: Elk sedge, Big leaf huckleberry, Grouse huckleberry

Soil type, quality, compaction

level(s): reddish light brown - mostly clay

Typical plants: Pearly Everlasting, Penstemon, wild strawberry, harrow, Fireweed,

Mugwort, Meadow Rue, Arnica, CA False Hellebore, Swamp gooseberry,

Sticky Currant, Monkshood (tall), Cow Parsnip, Pedicularis, Nettles

UG Count:
AG ES-441
AG WL-1

Effects of livestock grazing: None seen

activities: None seen

Evidence of bait stations for hunting, hunters' camps:

Exotic weeds seen: *None seen*

Recreational use: big truck driving over the road berm last time here

Describe sale unit overall:

✓ public land, agency *PS* private land, ownership *None*

✓ riparian (specify): to south; tributary to middle branch of Asotin Creek

area of human habitation *None*

Species seen adjacent to sale unit: Ruby Crowned Kinglet & N. Flicker heard, Juncos

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used. *Yosemite Canyon 1:20 Survey heading*

Photo #s & descriptions:

13:41 - an OG ES snap w/ y-MES = 26.5" dbh a m Subalpine fir snap
13:48-13:49 - four highly suitable rootwad burrows for martin w/ pen for scale
under (1+2) an OG ES log x (3+4) a large OG WL log in (13:52) w/ smaller log & ES seedlings
13:54 - abundant large elevated logs for martin subnivean foraging
14:00 - me sitting at the base of a 31" dbh OG ES 14:07 - me hugging a 31" OG WL
14:10 - an OG ES snap w/ 2 OG ES logs (14:12) recent & older P. leated foraging in a m Subalpine fir snap
14:18 - me hugging a 30" dbh OG ES (14:20) fresh P. leated foraging in same Subalpine fir snap as 14:12
14:25 - an OG Subalpine fir snap w/ 13" long clipboard (14:26) the associated OG Subalpine fir log w/ clipboard
14:32-14:33 Fireweed blossoms
14:36 - a womanly curved OG Subalpine fir snap
14:43 - me sitting next to a 32" dbh OG ES (14:44) me squatting in front of an OG ES log
15:02 - fresh P. leated foraging in a young Subalpine fir (15:03) a tall OG ES
15:06 - 2 tall OG WL - larger one = 28" dbh, & a tall OG ES (15:27) more Sapsucker to OG
15:12 - Sapsucker foraging on a m WL
15:23 - typical view in E. end w/ opening & m WL, DF, LP, & ES foraging in another OG WL
15:28 - fresh bear foraging in a Subalpine fir snap
15:32 - mostly WL overstory, E. end

Recommendations
for sale unit:

DROP
-steep
-unlogged

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT
27803 Williams Lane
Fossil, OR 97830

DATE 8/31/17
NTL FOREST Matilla
DISTRICT Pomeroy
PROJECT Sunrise
UNIT 138
SURVEYOR'S NAME Marna W. How

Subjective evaluation of area:

Too Steep. Doing a good job recovering after a stand replacement(?) forest
recovering well. Very young - mixed aged moist forest

___ Roadless area ___ Never logged ___ Plantation ___ Many old growth logs and snags
___ Old growth/mature forest:

Average tree size in "dbh": 8"-10"

Examples of large tree diameter: ~~ES~~ ES 9 1/2" LP 7" 10 1/2" NL 17" DF 23 1/2" NL 25 1/2" NL

of old growth trees per acre: unable to access most of unit - may have old stand below cliff

___ Previously logged approx. age of trees

Describe marking to cut: X

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

✓ Mixed conifer, specify species and number in descending order of prevalence: ___ Ponderosa Pine
___ Juniper 4 ✓ Doug Fir 4 ✓ Western Larch ___ Grand Fir 3 ✓ Lodgepole Pine 2 ✓ Engelman
Spruce 1 ✓ Subalpine Fir ___ Yew ___ Mt. Mahogany ___ Aspen ___ Willow ___ Alder
___ Shasta Red Fir ___ Sugar Pine ___ White Pine ___ Incense Cedar ___ other: ___

Tree seedlings (species, quantity): many SA Fir and ES.

Quality and type of canopy closure, %: 25% healthy 60% becoming more open

✓ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist area, high elevation, describe: seems to have burned and be regenerating.

% of defoliation - species and age of trees affected: some defoliation of young fir due to density not unusual or unhealthy

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts, dens, burrows, beds, hives, etc.): Cougar scat chipmunk Elk scat baby deer skull mtn chickadee sawtooth nuthatch deer tracks, small buildings
sapsucker foraging + other woodpecker foraging on snags (fir snags)
dark eyed juncos

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs, creeks, rivers, lakes, ponds) describe: Above a creek - no distinct drainage in unit

Riparian buffers? Adjacent steep slopes? buffers flanking creek

Unusual plants?

Plant community types: grass huckleberry, big leaf huckleberry

Soil type, quality, compaction level(s): Ashy clay light brown

Typical plants: rattlesnake plantain, mtn Ash, arnica, wintergreen, perhaps

Steepness of slope/aspect of slope (direction it faces): 30-80° NNE facing

✓ Landslide risk, describe: Very steep Ashy soils

Density of roads (per sq. mi): 1/2 mile

Effects of livestock grazing: _____

Evidence of Animal Damage Control activities: _____

Evidence of bait stations for hunting, hunters' camps: _____

— Mining — Herbicide spraying — Gopher trappings/poison Other: —

Exotic weeds seen: _____

Recreational use: —

Describe sale unit overall: steep, unlogged young stand of moist mixed conifers
previously burned variable canopy closure, both stumps only on

southern boundary next to a pine plantation surrounded on south by

Surrounding area: ☒ contiguous forest ☒ high-graded forest ☐ never logged area ☐ canyon

☒ roadless area(s) ☐ wildlife corridor ☐ meadow ☐ grassland ☐ rocky upland

☐ high desert ☐ seedlings ☒ pine plantation ☐ clear cut ☐ other cut: _____

☒ public land, agency USFS ☐ private land, ownership _____

☒ riparian (specify): Above middle branch of N Fork Aspin Creek

☐ area of human habitation _____

Species seen adjacent to sale unit: Pileated Woodpecker

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used. Manas Camera

Photo #s & descriptions:

3685 header of Survey

3686-7. cougar scat in unit

3688. Defoliated young stand of SA Fir + Larch + ES

3689. looking down into 80° slope - where y → mature mixed conifer

3685 - Typical view showing 40° slope + dense young forest

3686. View showing slope of 80° - looking at trees able to thrive on cliff

3687. Old Fir Log w/ Maria for scale

3688 typical view of SA Fir grove with mature W Larch

Attending to the roadless area (should be part of roadless plan)

Recommendations
for sale unit:

drop because patchy tree
density and steep slope
toward river.

LEAGUE OF WILDERNESS
DEFENDERS
BLUE MOUNTAINS
BIODIVERSITY PROJECT
27803 Williams Lane
Fossil, OR 97830

DATE 8/24/17
NTL FOREST Umatilla
DISTRICT Pomeroy
PROJECT Sunrise
UNIT 232
SURVEYOR'S NAME Couper + Willow

Subjective evaluation of area:

confusing and unpredictable, rugged, pleasant and interesting. each section between
drainages and drainages themselves, felt very different from each other. very patchy and variable
with what to expect.

Roadless area ☐ Never logged ☐ Plantation ☒ Many old growth logs and snags

☒ Old growth/mature forest: og df, og pp

Average tree size in "dbh": 15" +

Examples of large tree diameter: gf 29" / df 26" / gf 25" / df 20" / pp 52" / pp 45" / pp 40" / df 27" / pp 39" / pp 41"

of old growth trees per acre:

5df 3pp 3df logs 2df snags 1pp snag

☐ Previously logged approx. age of trees

Describe marking to cut: blue flagging, orange spray paint

Former logging sign (skid trails, stumps, lack of regen., dense overstocked spindly thickets), describe:

dammed cut logs

☐ Mixed conifer, specify species and number in descending order of prevalence: ☒ Ponderosa Pine

☐ Juniper ☒ Doug Fir ☐ Western Larch ☒ Grand Fir ☐ Lodgepole Pine ☐ Engleman

Spruce ☐ Subalpine Fir ☐ Yew ☐ Mt. Mahogany ☐ Aspen ☐ Willow ☐ Alder

☐ Shasta Red Fir ☐ Sugar Pine ☐ White Pine ☐ Incense Cedar ☐ other:

Tree seedlings (species, quantity): gf, df, pp most - least present

Quality and type of canopy closure, %: 80% in drainage

☒ Historically natural mixed-conifer site: old growth mixed-conifer, fire scars, north slope, moist
area, high elevation, describe:

% of defoliation - species and age of trees affected: mostly loc

Species evident using area for habitat/forage (scat, tracks, sightings, calls, foraging/nesting, roosts,
dens, burrows, beds, hives, etc.): squirrel midden, pileated woodpecker foraging, deer scat,
deer trails,

Riparian area in or adjacent to area/unit(s) (springs, seeps, drainage headwaters, seasonal runoffs,
creeks, rivers, lakes, ponds) describe: drainage very green and dense; lots of dammed logs

Riparian buffers? Adjacent steep slopes?

Unusual plants?

Plant community types: ponderosa pine, trident maple, elk sedge, pine grass, snowberry,
sagebrush (trident)

Soil type, quality, compaction level(s): brown loamy to clay soil

Typical plants: wild rose, big leaf huckleberry, service berry, meadow rue, Oregon grape,
wild strawberry, vetch, rocky mountain maple, aspen

Steepness of slope/aspect of slope (direction it faces): 28° facing South

☒ Landslide risk, describe: steep, patchy and rocky

Density of roads (per sq. mi): _____

Effects of livestock grazing: _____

Evidence of Animal Damage Control activities: na

Evidence of bait stations for hunting, hunters' camps: na

☐ Mining ☐ Herbicide spraying ☐ Gopher trappings/poison ☐ Other: _____

Exotic weeds seen: thistle, mullein

Recreational use: _____

Describe sale unit overall: overall patchy in terms of both tree density and dry/moist sections. drainage area dense with seedlings and damaged wood.

Surrounding area: ☐ contiguous forest ☐ high-graded forest ☐ never logged area ☐ canyon

☐ roadless area(s) ☐ wildlife corridor ☐ meadow ☐ grassland ☒ rocky upland

☐ high desert ☐ seedlings ☐ pine plantation ☐ clear cut ☐ other cut: _____

☒ public land, agency FS ☐ private land, ownership _____

☐ riparian (specify): _____

☐ area of human habitation _____

Species seen adjacent to sale unit: _____

Photo guidelines: unusual plants/animals, wildlife, old growth canopy-dependent species evidence, nest holes, foraging, burrows, canopy in green sales, riparian areas without buffers, relative severity of burn if fire salvage sale, old growth grove, cattle damage, cumulative impacts of former logging, healthy mixed-conifer, etc.. Minimize number of photos. Draw map of unit & show differences in different areas e.g. Location of old growth, riparian areas, significant wildlife sightings, sensitive plant & exotic weed locations. Identify camera used.

Photo #s & descriptions: Pamla Sony Cyber-shot

54: Survey sheet header

55: Cooper w/ 29" gf

56: Cooper measuring df 26"

57: damaged debris not portion of unit

58-59: Cooper measuring 25" gf

60: old timber sale boundary

61-62: Cooper measuring 40" gf snag

63: Cooper measuring 25" df

64-65: Cooper measuring 29" pp 52"

66-67: Cooper measuring 45" df/pp combo

68: Cooper measuring 43" snag

69: Cooper measuring 40" pp 29"

70: snags and damaged wood going south into the unit in a drainage

71: Cooper w/ hand inside df snag wood pecker foraging

72: Willow measuring 27" df; also image of slope

73-74: Cooper measuring 39" 29" pp. also demonstrates slope

75-76: Cooper measuring 71" 29" pp. also demonstrates slope

77: no unit; dry tarred sage brush ridge-top looking up N. slope