

## Appendix D: Treatments by Unit

Table D-1. Alternative 1 - Proposed Action

Unit	RXX	Acres	System	Biomass	Fuels Treatment	Remarks
1	Hand Pile	22	N/A	No	Handpile dead and down/burn piles	Fuel buffer along private. No harvest, retain all live trees.
2	ITM-Thin <sup>1</sup>	30	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak.
3	ITM-Thin	16	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak.
4	ITM-Thin	24	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak. Includes portion of Wilson Point plantation.
5	ITM-Thin	10	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak.
6	ITM-Thin	30	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak. Adjacent to Midas Rock Pit.
7	ITM-Thin	91	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak. Includes "old" Midas blowdown area.
8	ITM-Thin	16	Tractor	Yes	Biomass/(or-mast) <sup>2</sup>	
9	ITM-Thin	51	Helicopter	No	Handpile/burn piles	North of Hall City Cave.
10	Ltm-Thin	34	Tractor (80%) Cable (20%)	Yes	Biomass/(or-mast)	Cable yard 20% of unit-favorable to 30N15.
11	ITM-Thin	20	Helicopter	No	Handpile/burn piles	North of Hall City Cave.
12	ITM-Thin	85	Heli: (80%) Cable: (20%)	No	Handpile/burn piles	Some "Yoder" opportunity adjacent to 30N15.
13	Defer	1	N/A	No	N/A	In-operable
14	ITM-Thin	0	Tractor	Yes	Biomass/(or-mast)	During layout, incorporate into unit #10.
15	ITM-Thin	17	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak. During layout, incorporate into unit #7. Tough to ID private landline boundary on north end (open brushfield).
16	LTM-Thin <sup>3</sup>	57	Tractor (75%) Cable (25%)	No	Biomass/(or-mast)	Unit all adverse to 30N04; re-open existing temp road to landing adjacent to SPI survey corner. Unit 75% ground-operable, 25% cable. May be able to ground-base yard by agreement to private to west.
17	ITM-Thin	37	Cable	No	Handpile activity/ existing fuels/burn piles	Need to re-open existing temp road. Cable yard (Yoder) to temp.

<sup>1</sup> **ITM-Thin:** Individual trees are marked for removal from unit.

<sup>2</sup> **Biomass/(or-mast):** If biomass option is selected, there is no follow-up mastication. If biomass option is not selected, then mastication of fuels must be conducted.

<sup>3</sup> **LTM-Thin:** Leave trees are marked to remain in unit.

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Unit	RXX	Acres	System	Biomass	Fuels Treatment	Remarks
18	LTM-Thin	35	Tractor (75% Cable (25%))	No	Biomass/(or-mast)	Similar to #16. Unit all adverse to 30N04; re-open existing temp road. Unit 75% ground-operable, 25% cable. May be able to ground-base yard by agreement to private to west.
19	LTM-Thin	20	Tractor (90%) Cable (10%)	No	Biomass/(or-mast)	Unit all adverse to 30N04; re-open existing temp road. Unit 90% ground-operable, 10% cable.
20	LTM-Thin	74	Tractor	Yes	Biomass/(or-mast)	Need to re-open two existing temp roads that access unit. Easy adverse below 29N07.
21	LTM-Thin	54	Tractor (90%) Cable (10%)	Yes	Biomass/(or-mast)	Will need to construct landings above 29N07. Estimate 25% adverse skid, 75% favorable skid.
22	LTM-Thin	84	Tractor (90%) Cable (10%)	Yes	Biomass/(or-mast)	Will need to construct landings above 29N07. Estimate 25% adverse skid, 75% favorable skid.
23	LTM-Thin	26	Tractor	Yes	Biomass/(or-mast)	Fairly easy ground-based unit. Old mine shaft in N-top corner, old outhouse/can dump adjacent to existing landing; historic arch site outside bdry on SE corner.
24	Defer	52	N/A	N/A	Defer	Active mining access road, gate, three mine shafts within unit. Access road to Hall City Cave. Stand condition very good-excellent. May be current understory burn opp. No current silv treatment proposed.
25	LTM-Thin	97	Tractor	Yes	Biomass/(or-mast)	Need designated crossing from east spur-ridge to landing.
26	LTM-Thin	109	Tractor	Yes	Biomass/(or-mast)	Re-open existing temp road below 29N07-build new temp "spur" to stay outside Hall City RR. Arch Site (hist) show as CA outside SW corner.
27	LTM-Thin	132	Tractor	No	Biomass/(or-mast)	"Protect meadow" in NE corner. Hist arch site in mid-NE, protect as CA.
28	ITM-Thin	14	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak.
29	LTM-Thin	34	Tractor	Yes	Biomass/(or-mast)	Adjacent to Hall City site. Dense second layer, some adverse.

Unit	RXX	Acres	System	Biomass	Fuels Treatment	Remarks
30	LTM-Thin	95	Tractor (80%) Cable (20%)	No	Biomass/(or-mast)	Some adverse. Need temp off 30N01 for cable access. Some of existing temp to be used for skidding only, not for truck access (reference SRC).
31	ITM-Thin	36	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak.
32	LTM-Thin	30	Tractor	No	Biomass/(or-mast)	Good biomass opp. Improve 30N29B for haul.
33	LTM-Thin	95	Tractor (75%) Cable (25%)	Yes	Biomass/(or-mast)	Similar to #16. Unit all adverse to temps off 29N10; re-open existing temp roads. Unit 75% ground-operable, 25% cable. May be able to ground-base yard by agreement to private to south.
34	N/A	27	N/A	No	Mastication <sup>4</sup>	Wilson Point plantation.
35	LTM-Thin	60	Tractor	Yes	Biomass/(or-mast)	Near NSO nest tree.
36	LTM-Thin	17	Tractor	No	Biomass/(or-mast)	Some light-moderate adverse yarding to 29N65.
37	LTM-Thin	17	Tractor	Yes	Biomass/(or-mast)	Some moderate-tough adverse yarding to 29N10.
38	Defer	18	N/A	N/A	Defer	Slumpy/springy.
39	Hand Pile	5	N/A	No	Handpile dead and down/burn piles	Within Hall City Creek i.g.
40	N/A	14	N/A	No	Mastication	Wilson Point plantation.
41	N/A	3	N/A	No	Mastication	Wilson Point plantation.

**Table D-2. Alternative 1 Harvest Method Acres**

Helicopter (H)	139 Acres
Tractor (T)	1,266 Acres
Cable (C)	142 Acres
No harvest (plantations and fuels-only units)	71 Acres
<b>Total</b>	<b>1,618 Acres</b>

**Table D-3. Alternative 1 Site Prep/Fuels Reduction Acres**

Tractor Jackpot Pile (TJP)/Burn Piles (BP)	268 Acres
Hand Pile (HP)/Burn Piles (BP)	220 Acres
Biomass or Masticate	1,086 Acres
Masticate	44 Acres
<b>Total</b>	<b>1,618 Acres</b>

<sup>4</sup> **Mast:** Mastication of fuels must be conducted in unit.

Table D-4. Alternative 3 – 18-inch Diameter Cap

Unit	RXX	Acres	System	Biomass	Fuels Treatment	Remarks
1	Hand Pile	22	N/A	No	Handpile dead and down/burn piles	Fuel buffer along private. No harvest, retain all live trees.
2	ITM-Thin <sup>5</sup>	30	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak.
3	ITM-Thin	16	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak.
4	ITM-Thin	24	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak. Includes portion of Wilson Point plantation.
5	ITM-Thin	10	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak.
6	ITM-Thin	30	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak. Adjacent to Midas Rock Pit.
7	ITM-Thin	91	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak. Includes "old" Midas blowdown area.
8	ITM-Thin	16	Tractor	Yes	Biomass/(or-mast) <sup>6</sup>	
9	Defer	51	Helicopter	No	Handpile/Burn Piles	North of Hall City Cave.
10	LTM-Thin	34	Tractor (80%) Cable (20%)	Yes	Biomass/(or-mast)	Cable Yard 20% of unit-favorable to 30N15.
11	Defer	20	Helicopter	No	Handpile/Burn Piles	North of Hall City Cave.
12	Defer	85	Heli: (80%) Cable: (20%)	No	Handpile/Burn Piles	Some "Yoder" Opportunity Adjacent to 30N15.
13	Defer	1	N/A	No	N/A	In-operable
14	ITM-Thin	0	Tractor	Yes	Biomass/(or-mast)	During layout, incorporate into unit #10.
15	ITM-Thin	17	Tractor	No	Tractor jackpot pile/burn piles	Shaded Fuelbreak. During layout, incorporate into Unit #7. Tough to ID private landline boundary on north end (open brushfield).
16	LTM-Thin <sup>7</sup>	57	Tractor (75%) Cable (25%)	No	Biomass/(or-mast)	Unit all adverse to 30N04; Re-open existing temp road to landing adjacent to SPI survey corner. Unit 75% ground-operable, 25% cable. May be able to ground-base yard by agreement to private to west.
17	ITM-Thin	37	Cable	No	Handpile Activity/ Existing Fuels/Burn Piles	Need to re-open existing temp road. Cable yard (Yoder) to temp.

<sup>5</sup> **ITM-Thin:** Individual trees are marked for removal from unit.

<sup>6</sup> **Biomass/(or-mast):** If biomass option is selected, there is no follow-up mastication. If biomass option is not selected, then mastication of fuels must be conducted.

<sup>7</sup> **LTM-Thin:** Leave trees are marked to remain in unit.

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Unit	RXX	Acres	System	Biomass	Fuels Treatment	Remarks
18	LTM-Thin	35	Tractor (75%) Cable (25%)	No	Biomass/(or-mast)	Similar to #16. Unit all adverse to 30N04; re-open existing temp road. Unit 75% ground-operable, 25% cable. May be able to ground-base yard by agreement to private to west.
19	LTM-Thin	20	Tractor (90%) Cable (10%)	No	Biomass/(or-mast)	Unit all adverse to 30N04; re-open existing temp road. Unit 90% ground-operable, 10% cable.
20	LTM-Thin	74	Tractor	Yes	Biomass/(or-mast)	Need to re-open two existing temp roads that access unit. Easy adverse below 29N07.
21	LTM-Thin	54	Tractor (90%) Cable (10%)	Yes	Biomass/(or-mast)	Will need to construct landings above 29N07. Estimate 25% adverse skid, 75% favorable skid.
22	LTM-Thin	84	Tractor (90%) Cable (10%)	Yes	Biomass/(or-mast)	Will need to construct landings above 29N07. Estimate 25% adverse skid, 75% favorable skid.
23	LTM-Thin	26	Tractor	Yes	Biomass/(or-mast)	Fairly easy ground-based unit. Old mine shaft in n-top corner, old outhouse/can dump adjacent to existing landing; historic arch site outside bdry on SE corner.
24	Defer	52	N/A	N/A	Defer	Active mining access road, gate, three mine shafts within unit. Access road to Hall City Cave. Stand condition very good-excellent. May be current understory burn opp. No current silv treatment proposed.
25	LTM-Thin	97	Tractor	Yes	Biomass/(or-mast)	Need designated crossing from east spur-ridge to landing.
26	LTM-Thin	109	Tractor	Yes	Biomass/(or-mast)	Re-open existing temp road below 29N07-build new temp "spur" to stay outside Hall City RR. Arch site (hist) show as CA outside SW corner.
27	LTM-Thin	132	Tractor	No	Biomass/(or-mast)	"Protect meadow" in NE corner. Hist arch site in mid-ne, protect as CA.
28	ITM-Thin	14	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak.
29	LTM-Thin	34	Tractor	Yes	Biomass/(or-mast)	Adjacent to Hall City site. Dense second layer, some adverse.

Unit	RXX	Acres	System	Biomass	Fuels Treatment	Remarks
30	LTM-Thin	95	Tractor (80%) Cable (20%)	No	Biomass/(or-mast)	Some adverse. Need temp off 30N01 for cable access. Some of existing temp to be used for skidding only, not for truck access (reference SRC).
31	ITM-Thin	36	Tractor	No	Tractor jackpot pile/burn piles	Shaded fuelbreak.
32	LTM-Thin	30	Tractor	No	Biomass/(or-mast)	Good biomass opp. Improve 30N29b for haul.
33	LTM-Thin	95	Tractor (75%) Cable (25%)	Yes	Biomass/(or-mast)	Similar to #16. Unit all adverse to temps off 29N10; re-open existing temp roads. Unit 75% ground-operable, 25% cable. May be able to ground-base yard by agreement to private to south.
34	N/A	27	N/A	No	Mastication <sup>8</sup>	Wilson point plantation.
35	LTM-Thin	60	Tractor	Yes	Biomass/(or-mast)	Near NSO nest tree.
36	LTM-Thin	17	Tractor	No	Biomass/(or-mast)	Some light-moderate adverse yarding to 29N65.
37	LTM-Thin	17	Tractor	Yes	Biomass/(or-mast)	Some moderate-tough adverse yarding to 29N10.
38	Defer	18	N/A	N/A	Defer	Slumpy/springy.
39	Hand Pile	5	N/A	No	Handpile dead and down/burn piles	Fuel buffer next to private. No harvest, retain all live trees.
40	N/A	14	N/A	No	Mastication	Wilson point plantation.
41	N/A	3	N/A	No	Mastication	Wilson point plantation.

**D-5. Alternative 3 Harvest Method Acres**

Helicopter (H)	0 Acres
Tractor (T)	1,266 Acres
Cable (C)	125 Acres
No harvest (plantations and fuels-only units)	71 Acres
<b>Total</b>	<b>1,462 Acres</b>

**Table D-6. Alternative 3 Site Prep/Fuels Reduction Acres**

Tractor Jackpot Pile (TJP)/Burn Piles (BP)	268 Acres
Hand Pile (HP)/Burn Piles (BP)	64 Acres
Biomass or Masticate	1,086 Acres
Masticate	44 Acres
<b>Total</b>	<b>1,462 Acres</b>

<sup>8</sup> **MAST**: Mastication of fuels must be conducted in unit.