Appendix 1 – Alternative 2 and 3 Treatment List

Treatment Abbreviations

Harvest (HRVST)

HFR	Final Removal Cut. Removal of overstory trees within a stand with an immature understory that was the result of a prescribed regeneration cut.
None	No commercial harvest.

Treatment (TRTMNT)

Girdle/Prune/Fell	Girdle, prune, or fall and retain mistletoe infected lodgepole or ponderosa pine overstory trees greater than or equal to 4 inches dbh.
LP_All	Remove all live lodgepole pine overstory trees greater than or equal to 4 inches dbh and less than 21 inches dbh.
LP_DMT	Remove live lodgepole pine overstory trees greater than or equal to 4 inches dbh and less than 21 inches dbh infected with dwarf mistletoe.
LP_Excess	Remove live lodgepole pine overstory trees greater than or equal to 4 inches dbh and less than 21 inches dbh excess to green tree replacement strategy.
LP_PP_DMT	Remove live lodgepole and ponderosa pine overstory trees greater than or equal to 4 inches dbh and less than 21 inches dbh infected with dwarf mistletoe.
LP_PP_Excess	Remove live lodgepole and ponderosa pine overstory trees greater than or equal to 4 inches dbh and less than 21 inches dbh excess to green tree replacement strategy.
PP_DMT	Remove live ponderosa pine overstory trees greater than or equal to 4 inches dbh and less than 21 inches dbh infected with dwarf mistletoe.
PP_Excess	Remove live ponderosa pine overstory trees greater than or equal to 4 inches dbh and less than 21 inches dbh excess to green tree replacement strategy.

Green Tree Replacement Strategy (GTR)

3 TPA	Retain 3 trees per acre greater than or equal to 8 inches dbh or the largest tree available.
Clump inside	Within proposed treatment unit, retain clumps of overstory trees that have no dwarf mistletoe infection.
Clump outside	Outside proposed treatment unit, designate areas for retention to provide green tree replacements.
LP GTR	Retain lodgepole pine overstory trees, with or without dwarf mistletoe, to serve as green tree replacements.
PP/WF GTR	Retain ponderosa pine or white fir overstory trees, with or without dwarf mistletoe, to serve as green tree replacements.
Tree w/o dmt	Retain overstory trees that have no dwarf mistletoe to provide tree replacements.

	Alternative 2 (Proposed Action)				Alternative 3			
Unit	HRVST	TRTMNT	GTR	Acres	HRVST	TRTMNT	GTR	Acres
1					None	Girdle/Prune/Fell	Trees w/o dmt	59
2					None	Girdle/Prune/Fell	Trees w/o dmt	45
3					None	Girdle/Prune/Fell	Trees w/o dmt	85
4					None	Girdle/Prune/Fell	Trees w/o dmt	14
5	HFR	LP_Excess	3 TPA	10	None	Girdle/Prune/Fell	Trees w/o dmt	10
6	HFR	LP_Excess	3 TPA	5	HFR	LP_DMT	Trees w/o dmt	5
7	HFR	LP_Excess	3 TPA	33	HFR	LP_All	PP/WF GTR	33
8					None	Girdle/Prune/Fell	Trees w/o dmt	19
9					None	Girdle/Prune/Fell	Trees w/o dmt	13
10	HFR	LP_PP_Excess	3 TPA	46	None	Girdle/Prune/Fell	Trees w/o dmt	46
11	HFR	LP_Excess	3 TPA	11	HFR	LP_All	PP/WF GTR	11
12	HFR	LP_Excess	3 TPA	90	None	Girdle/Prune/Fell	Trees w/o dmt	90
13	HFR	LP_Excess	3 TPA	72	HFR	LP_Excess	3 TPA	72
14	HFR	LP_Excess	3 TPA	48	None	Girdle/Prune/Fell	Trees w/o dmt	48
15	HFR	LP_Excess	3 TPA	19	HFR	LP_DMT	Trees w/o dmt	19
16					HFR	LP_PP_Excess	3 TPA	25
17	HFR	LP_Excess	3 TPA	32	None	Girdle/Prune/Fell	Trees w/o dmt	32
18					HFR	LP_DMT	Trees w/o dmt	58
19					HFR	LP_All	Clump inside[1]	53
20	HFR	LP_Excess	3 TPA	32	HFR	LP_Excess	3 TPA	32
21	HFR	LP_Excess	3 TPA	35	None	Girdle/Prune/Fell	Trees w/o dmt	35
22					None	Girdle/Prune/Fell	Trees w/o dmt	27
23					None	Girdle/Prune/Fell	Trees w/o dmt	18
24					HFR	LP_PP_Excess	3 TPA	18
25	HFR	LP_Excess	3 TPA	49	HFR	LP_DMT	Trees w/o dmt	49
26	HFR	LP_Excess	3 TPA	48	None	Girdle/Prune/Fell	Trees w/o dmt	48
27					None	Girdle/Prune/Fell	Trees w/o dmt	51
28					None	Girdle/Prune/Fell	Trees w/o dmt	97
29					None	Girdle/Prune/Fell	Trees w/o dmt	4
30	HFR	LP_Excess	3 TPA	84	None	Girdle/Prune/Fell	Trees w/o dmt	84
31	HFR	LP_Excess	3 TPA	21	None	Girdle/Prune/Fell	Trees w/o dmt	21
32	HFR	LP_Excess	3 TPA	75	HFR	LP_All	Clump inside	75
33	HFR	LP_Excess	3 TPA	32	HFR	LP_Excess	3 TPA	32
34					None	Girdle/Prune/Fell	Trees w/o dmt	26
35					None	Girdle/Prune/Fell	Trees w/o dmt	28
36	HFR	LP_Excess	3 TPA	72	HFR	LP_Excess	3 TPA	72
37	HFR	LP_PP_Excess	3 TPA	43	None	Girdle/Prune/Fell	Trees w/o dmt	
38					HFR	LP_PP_DMT	Trees w/o dmt	20
39	HFR	LP_Excess	3 TPA	22	HFR	LP_Excess	3 TPA	22
40					None	Girdle/Prune/Fell	Trees w/o dmt	38

[1] Clumps not mapped. Retain clumps of mistletoe-free overstory (approximately 50% of unit).

	Alternative 2 (Proposed Action)				Alternative 3			
Unit	HRVST	TRTMNT	GTR	Acres	HRVST	TRTMNT	GTR	Acres
41	HFR	LP_Excess	3 TPA	44	HFR	LP_All	Clump inside	44
42					None	Girdle/Prune/Fell	Trees w/o dmt	18
43	HFR	LP_Excess	3 TPA	41	HFR	LP_All	PP/WF GTR	41
44					None	Girdle/Prune/Fell	Trees w/o dmt	19
45	HFR	LP_Excess	3 TPA	38	HFR	LP_Excess	3 TPA	38
46					HFR	LP_All	PP/WF GTR	44
47	HFR	LP_Excess	3 TPA	28	HFR	LP_Excess	3 TPA	28
48	HFR	LP_Excess	3 TPA	217	HFR	LP_Excess	3 TPA	217
49					HFR	LP_All	Clump inside	52
50					None	Girdle/Prune/Fell	Trees w/o dmt	27
51	HFR	LP_Excess	3 TPA	37	HFR	LP_All	PP/WF GTR	37
52	HFR	LP_Excess	3 TPA	48	HFR	LP_Excess	3 TPA	48
53					None	Girdle/Prune/Fell	Trees w/o dmt	38
54					HFR	LP_PP_Excess	3 TPA	83
55	HFR	LP_Excess	3 TPA	67	HFR	LP_Excess	3 TPA	67
56	HFR	LP_Excess	3 TPA	15	HFR	LP_Excess	3 TPA	15
57	HFR	LP_Excess	3 TPA	12	HFR	LP_Excess	3 TPA	12
58					HFR	LP_All	PP/WF GTR	71
59					HFR	LP_PP_Excess	3 TPA	34
60	HFR	LP_Excess	3 TPA	26	HFR	LP_Excess	3 TPA	26
61	HFR	LP_Excess	3 TPA	43	HFR	LP_All	PP/WF GTR	45
62	HFR	LP_Excess	3 TPA	56	HFR	LP_Excess	3 TPA	56
63	HFR	LP_Excess	3 TPA	7	HFR	LP_All	Clump outside	7
64					None	Girdle/Prune/Fell	Trees w/o dmt	15
65	HFR	LP_Excess	3 TPA	190	HFR	LP_Excess	3 TPA	190
66	HFR	LP_Excess	3 TPA	39	HFR	LP_Excess	3 TPA	39
67	HFR	LP_PP_Excess	3 TPA	9	HFR	LP_PP_Excess	3 TPA	9
69					None	Girdle/Prune/Fell	Trees w/o dmt	32
70	HFR	LP_PP_Excess	3 TPA	16	HFR	LP_PP_Excess	3 TPA	16
71					HFR	LP_Excess	3 TPA	17
72					HFR	LP_Excess	3 TPA	47
73	HFR	LP_Excess	3 TPA	7	HFR	LP_All	Clump outside	7
74					None	Girdle/Prune/Fell	Trees w/o dmt	65
75	HFR	LP_Excess	3 TPA	53	None	Girdle/Prune/Fell	Trees w/o dmt	53
76	HFR	LP_Excess	3 TPA	25	HFR	LP_Excess	3 TPA	25
77					None	Girdle/Prune/Fell	Trees w/o dmt	37
78	HFR	LP_Excess	3 TPA	55	HFR	LP_All	Clump inside	55
79	HFR	LP_Excess	3 TPA	48	HFR	LP_Excess	3 TPA	48
80	HFR	LP_Excess	3 TPA	48	HFR	LP_Excess	3 TPA	48
81	HFR	LP_Excess	3 TPA	76	HFR	LP_Excess	3 TPA	76
82	HFR	LP_Excess	3 TPA	32	HFR	LP_Excess	3 TPA	32
83	HFR	LP_Excess	3 TPA	56	HFR	LP_Excess	3 TPA	56
84	HFR	LP_Excess	3 TPA	171	HFR	LP_Excess	3 TPA	171

	Alternative 2 (Proposed Action)				Alternative 3			
Unit	HRVST	TRTMNT	GTR	Acres	HRVST	TRTMNT	GTR	Acres
85					None	Girdle/Prune/Fell	Trees w/o dmt	29
86	HFR	LP_Excess	3 TPA	106	HFR	LP_All	Clump inside	106
87	HFR	LP_Excess	3 TPA	20	HFR	LP_Excess	3 TPA	20
88					HFR	LP_Excess	3 TPA	30
89	HFR	LP_Excess	3 TPA	96	None	Girdle/Prune/Fell	Trees w/o dmt	96
90	HFR	LP_Excess	3 TPA	80	None	Girdle/Prune/Fell	Trees w/o dmt	80
91	HFR	LP_Excess	3 TPA	30	HFR	LP_Excess	3 TPA	30
92					HFR	LP_Excess	3 TPA	41
93	HFR	LP_Excess	3 TPA	18	HFR	LP_Excess	3 TPA	18
94	HFR	LP_Excess	3 TPA	46	HFR	LP_Excess	3 TPA	46
95	HFR	LP_Excess	3 TPA	38	HFR	LP_Excess	3 TPA	38
96	HFR	LP_PP_Excess	3 TPA	45	HFR	LP_PP_Excess	3 TPA	45
97	HFR	LP_Excess	3 TPA	11	HFR	LP_All	PP/WF GTR	11
98	HFR	LP_Excess	3 TPA	26	HFR	LP_Excess	3 TPA	26
99					HFR	LP_PP_Excess	3 TPA	38
100	HFR	LP_PP_Excess	3 TPA	182	None	Girdle/Prune/Fell	Trees w/o dmt	182
101					HFR	LP_PP_Excess	3 TPA	21
102	HFR	LP_Excess	3 TPA	17	HFR	LP_All	PP/WF GTR	17
103	HFR	LP_PP_Excess	3 TPA	60	HFR	LP_PP_Excess	3 TPA	60
104	HFR	LP_PP_Excess	3 TPA	16	HFR	LP_PP_Excess	3 TPA	16
105	HFR	LP_Excess	3 TPA	80	None	Girdle/Prune/Fell	Trees w/o dmt	80
106	HFR	LP_Excess	3 TPA	193	HFR	LP_All	Clump inside	193
107	HFR	LP_PP_Excess	3 TPA	74	None	Girdle/Prune/Fell	Trees w/o dmt	74
108					HFR	PP_DMT	LP GTR	24
109					HFR	LP_PP_Excess	3 TPA	6
110	HFR	LP_PP_Excess	3 TPA	33	None	Girdle/Prune/Fell	Trees w/o dmt	33
111					HFR	LP_PP_Excess	3 TPA	23
112					None	Girdle/Prune/Fell	Trees w/o dmt	19
113	HFR	LP_Excess	3 TPA	68	HFR	LP_Excess	3 TPA	68
114					HFR	LP_PP_Excess	3 TPA	12
115					None	Girdle/Prune/Fell	Trees w/o dmt	9
116	HFR	LP_Excess	3 TPA	16	HFR	LP_Excess	3 TPA	16
117					None	Girdle/Prune/Fell	Trees w/o dmt	27
118	HFR	LP_Excess	3 TPA	48	HFR	LP_Excess	3 TPA	48
119	HFR	LP_Excess	3 TPA	5	HFR	LP_Excess	3 TPA	5
120	HFR	LP_Excess	3 TPA	8	HFR	LP_Excess	3 TPA	8
121	HFR	LP_PP_Excess	3 TPA	87	HFR	LP_PP_Excess	3 TPA	87
122	HFR	LP_PP_Excess	3 TPA	50	HFR	LP_PP_Excess	3 TPA	50
123	HFR	LP_Excess	3 TPA	15	HFR	LP_All	PP/WF GTR	15
125	HFR	LP_Excess	3 TPA	31	HFR	LP_Excess	3 TPA	31
126	HFR	LP_Excess	3 TPA	39	HFR	LP_Excess	3 TPA	39
127					None	Girdle/Prune/Fell	Trees w/o dmt	14
128	HFR	LP_Excess	3 TPA	46	HFR	LP_Excess	3 TPA	46

	Alternative 2 (Proposed Action)				Alternative 3			
Unit	HRVST	TRTMNT	GTR	Acres	HRVST	TRTMNT	GTR	Acres
129	HFR	LP_PP_Excess	3 TPA	105	HFR	LP_PP_Excess	3 TPA	105
130	HFR	LP_Excess	3 TPA	17	HFR	LP_All	Clump outside	17
131	HFR	LP_Excess	3 TPA	10	HFR	LP_Excess	3 TPA	10
132	HFR	LP_Excess	3 TPA	20	HFR	LP_All	Clump inside	20
133	HFR	LP_Excess	3 TPA	31	HFR	LP_Excess	3 TPA	31
134					None	Girdle/Prune/Fell	Trees w/o dmt	26
135	HFR	LP_Excess	3 TPA	55	HFR	LP_Excess	3 TPA	55
136	HFR	LP_Excess	3 TPA	31	None	Girdle/Prune/Fell	Trees w/o dmt	31
137	HFR	LP_Excess	3 TPA	23	HFR	LP_All	PP/WF GTR	23
138	HFR	LP_Excess	3 TPA	35	HFR	LP_Excess	3 TPA	35
139	HFR	LP_Excess	3 TPA	53	HFR	LP_Excess	3 TPA	53
141					HFR	LP_All	Clump inside	36
142	HFR	LP_Excess	3 TPA	52	HFR	LP_Excess	3 TPA	52
143	HFR	LP_Excess	3 TPA	19	HFR	LP_Excess	3 TPA	19
144	HFR	LP_Excess	3 TPA	95	HFR	LP_Excess	3 TPA	95
145	HFR	LP_Excess	3 TPA	38	HFR	LP_All	PP/WF GTR	38
146	HFR	LP_Excess	3 TPA	44	HFR	LP_Excess	3 TPA	44
147	HFR	LP_Excess	3 TPA	29	HFR	LP_DMT	Trees w/o dmt	29
148	HFR	LP_Excess	3 TPA	39	HFR	LP_Excess	3 TPA	39
149					HFR	LP_DMT	Trees w/o dmt	31
150					HFR	LP_PP_Excess	3 TPA	47
151	HFR	LP_Excess	3 TPA	39	HFR	LP_Excess	3 TPA	39
152	HFR	LP_Excess	3 TPA	8	HFR	LP_Excess	3 TPA	8
153	HFR	LP_Excess	3 TPA	13	HFR	LP_All	PP/WF GTR	13
154					HFR	LP_All	Clump inside	77
155					HFR	LP_Excess	3 TPA	10
156	HFR	LP_Excess	3 TPA	36	HFR	LP_Excess	3 TPA	36
157					None	Girdle/Prune/Fell	Trees w/o dmt	25
158	HFR	PP_Excess	3 TPA	18	None	Girdle/Prune/Fell	Trees w/o dmt	18
159	HFR	LP_Excess	3 TPA	122	HFR	LP_All	Clump inside	122
160	HFR	LP_Excess	3 TPA	50	None	Girdle/Prune/Fell	Trees w/o dmt	50
161	HFR	LP_Excess	3 TPA	17	None	Girdle/Prune/Fell	Trees w/o dmt	17
162	HFR	LP_Excess	3 TPA	44	HFR	LP_Excess	3 TPA	44
163	HFR	LP_PP_Excess	3 TPA	64	HFR	LP_PP_Excess	3 TPA	64
164					HFR	LP_PP_Excess	3 TPA	84
165	HFR	LP_Excess	3 TPA	19	HFR	LP_All	Clump inside	19
166	HFR	LP_Excess	3 TPA	55	HFR	LP_Excess	3 TPA	55
167	HFR	LP_Excess	3 TPA	33	HFR	LP_All	Clump inside	31
168	HFR	LP_Excess	3 TPA	24	HFR	LP_All	PP/WF GTR	26
169					None	Girdle/Prune/Fell	Trees w/o dmt	10
170	HFR	LP_Excess	3 TPA	13	HFR	LP_All	PP/WF GTR	13
171	HFR	LP_Excess	3 TPA	34	HFR	LP_All	Clump inside	34
172					None	Girdle/Prune/Fell	Trees w/o dmt	18

	Alternative 2 (Proposed Action)				Alternative 3			
Unit	HRVST	TRTMNT	GTR	Acres	HRVST	TRTMNT	GTR	Acres
173	HFR	LP_Excess	3 TPA	15	None	Girdle/Prune/Fell	Trees w/o dmt	15
174	HFR	LP_Excess	3 TPA	14	None	Girdle/Prune/Fell	Trees w/o dmt	14
175					HFR	LP_All	Clump outside	10
176	HFR	LP_Excess	3 TPA	16	None	Girdle/Prune/Fell	Trees w/o dmt	16
177	HFR	LP_Excess	3 TPA	60	HFR	LP_Excess	3 TPA	60
178	HFR	LP_Excess	3 TPA	38	HFR	LP_Excess	3 TPA	38
179	HFR	LP_Excess	3 TPA	17	HFR	LP_Excess	3 TPA	17
180	HFR	LP_Excess	3 TPA	14	None	Girdle/Prune/Fell	Trees w/o dmt	14
181	HFR	LP_Excess	3 TPA	39	HFR	LP_Excess	3 TPA	39
182	HFR	LP_Excess	3 TPA	23	HFR	LP_Excess	3 TPA	23
183	HFR	LP_Excess	3 TPA	53	HFR	LP_All	Clump inside	53
184					None	Girdle/Prune/Fell	Trees w/o dmt	16
185	HFR	LP_Excess	3 TPA	35	HFR	LP_All	Clump inside	35
186	HFR	LP_Excess	3 TPA	12	HFR	LP_Excess	3 TPA	12
187	HFR	LP_Excess	3 TPA	27	None	Girdle/Prune/Fell	Trees w/o dmt	
188	HFR	LP_Excess	3 TPA	134	HFR	LP_Excess	3 TPA	134
189	HFR	LP_Excess	3 TPA	31	None	Girdle/Prune/Fell	Trees w/o dmt	31
190	HFR	LP_Excess	3 TPA	42	HFR	LP_Excess	3 TPA	42
191	HFR	LP_PP_Excess	3 TPA	36	HFR	LP_PP_Excess	3 TPA	36
192					None	Girdle/Prune/Fell	Trees w/o dmt	14
193	HFR	LP_Excess	3 TPA	26	HFR	LP_All	Clump inside[2]	26
194	HFR	LP_Excess	3 TPA	13	HFR	LP_Excess	3 TPA	13
195	HFR	LP_Excess	3 TPA	48	HFR	LP_Excess	3 TPA	48
196	HFR	LP_Excess	3 TPA	14	HFR	LP_Excess	3 TPA	14
197	HFR	LP_Excess	3 TPA	36	HFR	LP_All	Clump inside	36
198	HFR	LP_Excess	3 TPA	34	None	Girdle/Prune/Fell	Trees w/o dmt	34
199					None	Girdle/Prune/Fell	Trees w/o dmt	39
200	HFR	LP_Excess	3 TPA	23	HFR	LP_Excess	3 TPA	23
201					HFR	LP_Excess	3 TPA	15
202	HFR	LP_Excess	3 TPA	45	HFR	LP_All	PP/WF GTR	45
203	HFR	LP_Excess	3 TPA	3	HFR	LP_Excess	3 TPA	3
204	HFR	LP_Excess	3 TPA	32	HFR	LP_Excess	3 TPA	32
205	HFR	LP_Excess	3 TPA	7	HFR	LP_Excess	3 TPA	7
206	HFR	LP_Excess	3 TPA	242	HFR	LP_DMT	Trees w/o dmt	242
207					None	Girdle/Prune/Fell	Trees w/o dmt	44
208	HFR	LP_Excess	3 TPA	22	HFR	LP_DMT	Trees w/o dmt	22
209	HFR	LP_Excess	3 TPA	40	None	Girdle/Prune/Fell	Trees w/o dmt	40
210	HFR	LP_Excess	3 TPA	48	HFR	LP_All	PP/WF GTR	48
211					None	Girdle/Prune/Fell	Trees w/o dmt	5
212					None	Girdle/Prune/Fell	Trees w/o dmt	36
213	HFR	LP_Excess	3 TPA	15	HFR	LP_Excess	3 TPA	15

[2] Clumps not mapped. Retain clumps of mistletoe-free overstory (approximately 30% of unit).

	Alternative 2 (Proposed Action)				Alternative 3			
Unit	HRVST	TRTMNT	GTR	Acres	HRVST	TRTMNT	GTR	Acres
214	HFR	LP_Excess	3 TPA	10	HFR	LP_Excess	3 TPA	10
215	HFR	LP_Excess	3 TPA	26	None	Girdle/Prune/Fell	Trees w/o dmt	26
216	HFR	LP_Excess	3 TPA	14	None	Girdle/Prune/Fell	Trees w/o dmt	14
217	HFR	LP_PP_Excess	3 TPA	48	HFR	LP_PP_Excess	3 TPA	48
218	HFR	LP_Excess	3 TPA	51	HFR	LP_DMT	Trees w/o dmt	51
219	HFR	LP_Excess	3 TPA	19	None	Girdle/Prune/Fell	Trees w/o dmt	19
220	HFR	LP_Excess	3 TPA	38	None	Girdle/Prune/Fell	Trees w/o dmt	38
221	HFR	LP_Excess	3 TPA	32	HFR	LP_Excess	3 TPA	32
222	HFR	LP_Excess	3 TPA	24	None	Girdle/Prune/Fell	Trees w/o dmt	24
223	HFR	LP_Excess	3 TPA	38	None	Girdle/Prune/Fell	Trees w/o dmt	
224					None	Girdle/Prune/Fell	Trees w/o dmt	57
225	HFR	LP_Excess	3 TPA	12	HFR	LP_DMT	Trees w/o dmt	12
226	HFR	LP_Excess	3 TPA	39	None	Girdle/Prune/Fell	Trees w/o dmt	39
227	HFR	LP_Excess	3 TPA	15	HFR	LP_Excess	3 TPA	15
228	HFR	LP_Excess	3 TPA	13	HFR	LP_Excess	3 TPA	13
229	HFR	LP_Excess	3 TPA	19	HFR	LP_Excess	3 TPA	19
230	HFR	LP_Excess	3 TPA	24	HFR	LP_Excess	3 TPA	24
231	HFR	LP_Excess	3 TPA	45	HFR	LP_Excess	3 TPA	45
232	HFR	LP_Excess	3 TPA	40	HFR	LP_Excess	3 TPA	40
233					None	Girdle/Prune/Fell	Trees w/o dmt	22
234	HFR	LP_Excess	3 TPA	10	HFR	LP_Excess	3 TPA	10
235					None	Girdle/Prune/Fell	Trees w/o dmt	104
236					None	Girdle/Prune/Fell	Trees w/o dmt	47
237					HFR	LP_PP_Excess	3 TPA	119
238	HFR	LP_Excess	3 TPA	10	None	Girdle/Prune/Fell	Trees w/o dmt	10
239	HFR	LP_Excess	3 TPA	14	None	Girdle/Prune/Fell	Trees w/o dmt	14
240	HFR	LP_Excess	3 TPA	34	HFR	LP_All	Clump inside	34
241	HFR	LP_Excess	3 TPA	21	HFR	LP_Excess	3 TPA	21
242	HFR	LP_Excess	3 TPA	41	HFR	LP_Excess	3 TPA	41
243	HFR	LP_Excess	3 TPA	28	HFR	LP_DMT	Trees w/o dmt	28
244					None	Girdle/Prune/Fell	Trees w/o dmt	64
245	HFR	LP_Excess	3 TPA	39	HFR	LP_Excess	3 TPA	39
246					None	Girdle/Prune/Fell	Trees w/o dmt	130
247	HFR	LP_Excess	3 TPA	28	HFR	LP_Excess	3 TPA	28
248	HFR	LP_Excess	3 TPA	25	HFR	LP_Excess	3 TPA	25
249	HFR	LP_Excess	3 TPA	44	HFR	LP_All	Clump outside	44
250	HFR	LP_Excess	3 TPA	27	HFR	LP_All	Clump inside	27
252					None	Girdle/Prune/Fell	Trees w/o dmt	26
253					None	Girdle/Prune/Fell	Trees w/o dmt	34
254	HFR	LP_Excess	3 TPA	44	HFR	LP_Excess	3 TPA	44
255	HFR	LP_Excess	3 TPA	9	HFR	LP_All	Clump inside	9
256	HFR	LP_Excess	3 TPA	6	HFR	LP_Excess	3 TPA	6
257					HFR	LP_PP_Excess	3 TPA	56

	Alternative 2 (Proposed Action)				Alternative 3			
Unit	HRVST	TRTMNT	GTR	Acres	HRVST	TRTMNT	GTR	Acres
258					HFR	LP_Excess	3 TPA	127
259	HFR	LP_Excess	3 TPA	34	None	Girdle/Prune/Fell	Trees w/o dmt	34
260					HFR	LP_PP_Excess	3 TPA	93
261	HFR	LP_Excess	3 TPA	11	HFR	LP_Excess	3 TPA	11
262	HFR	LP_Excess	3 TPA	10	HFR	LP_All	Clump inside	10
263					None	Girdle/Prune/Fell	Trees w/o dmt	15
264	HFR	LP_Excess	3 TPA	64	HFR	LP_All	PP/WF GTR	64
265	HFR	LP_Excess	3 TPA	86	HFR	LP_Excess	3 TPA	86
266	HFR	LP_Excess	3 TPA	14	HFR	LP_Excess	3 TPA	14
267	HFR	LP_Excess	3 TPA	21	HFR	LP_All	Clump inside	21
269					None	Girdle/Prune/Fell	Trees w/o dmt	33
270					HFR	LP_Excess	3 TPA	35
271	HFR	LP_Excess	3 TPA	22	HFR	LP_All	PP/WF GTR	22
272					None	Girdle/Prune/Fell	Trees w/o dmt	40
273					None	Girdle/Prune/Fell	Trees w/o dmt	70
274					HFR	LP_DMT	Trees w/o dmt	15
275	HFR	LP_Excess	3 TPA	6	None	Girdle/Prune/Fell	Trees w/o dmt	6
276	HFR	LP_Excess	3 TPA	28	HFR	LP_All	Clump outside	28
277	HFR	LP_Excess	3 TPA	24	None	Girdle/Prune/Fell	Trees w/o dmt	24
278					HFR	LP_All	Clump outside	16
279					HFR	LP_PP_Excess	3 TPA	10
280	HFR	LP_Excess	3 TPA	5	None	Girdle/Prune/Fell	Trees w/o dmt	5
281					None	Girdle/Prune/Fell	Trees w/o dmt	31
282	HFR	LP_Excess	3 TPA	32	HFR	LP_All	PP/WF GTR	32
283	HFR	LP_PP_Excess	3 TPA	31	HFR	LP_PP_Excess	3 TPA	39
284					HFR	LP_Excess	3 TPA	9
285	HFR	LP_Excess	3 TPA	3	HFR	LP_Excess	3 TPA	3
286	HFR	LP_PP_Excess	3 TPA	74	HFR	LP_PP_Excess	3 TPA	74
287					None	Girdle/Prune/Fell	Trees w/o dmt	37
288	HFR	LP_Excess	3 TPA	15	HFR	LP_Excess	3 TPA	15
290	HFR	LP_Excess	3 TPA	30	HFR	LP_Excess	3 TPA	30
291	HFR	LP_Excess	3 TPA	14	HFR	LP_Excess	3 TPA	14
292	HFR	LP_Excess	3 TPA	29	HFR	LP_Excess	3 TPA	29
293	HFR	LP_Excess	3 TPA	27	HFR	LP_Excess	3 TPA	27
294	HFR	LP_Excess	3 TPA	24	HFR	LP_Excess	3 TPA	24
295	HFR	LP_Excess	3 TPA	108	None	Girdle/Prune/Fell	Trees w/o dmt	108
296	HFR	LP_PP_Excess	3 TPA	71	None	Girdle/Prune/Fell	Trees w/o dmt	71
297					None	Girdle/Prune/Fell	Trees w/o dmt	50
298	HFR	LP_Excess	3 TPA	9	HFR	LP_All	Clump outside	9

Appendix 2 - Estimates of Detrimental Soil Disturbance from Mechanical Treatments by Activity Areas (Units) and Action Alternatives.

EA Unit/Stand Number	Proposed Activity HFR = Final Removal Cut		Treated Acres	Unit Acres	Percent Treated	Existing Detrimental Soil Conditions (%)	Estimated Detrimental Soil Conditions After Treatment (%)		Estimated Detrimental Soil Conditions After Restoration (%/Acres)			
	Alt 2	Alt 3					Alt 2	Alt 3	Alt 2		Alt 3	
5	HFR		10	10	100%	17%	24%	17%	17%	0.7	17%	0.0
6	HFR	HFR	5	5	100%	23%	30%	30%	20%	0.5	20%	0.5
7	HFR	HFR	33	33	100%	14%	21%	21%	20%	0.3	20%	0.3
10	HFR		46	46	100%	24%	31%	24%	24%	5.1	24%	0.0
11	HFR	HFR	11	11	100%	17%	24%	24%	17%	0.7	17%	0.7
12	HFR		90	90	100%	29%	36%	29%	27%	14.4	29%	0.0
13	HFR	HFR	72	72	100%	29%	36%	36%	27%	6.0	27%	6.0
14	HFR		48	48	100%	16%	23%	16%	16%	3.3	16%	0.0
15	HFR	HFR	19	19	100%	8%	15%	15%	15%	0.0	15%	0.0
16		HFR	27	27	100%	30%	30%	37%	30%	0.0	28%	2.4
17	HFR		32	32	100%	13%	20%	13%	20%	0.0	13%	0.0
18		HFR	58	58	100%	24%	24%	31%	24%	0.0	22%	5.2
19		HFR	27	53	50%	23%	23%	26%	23%	0.0	20%	3.2
20	HFR	HFR	32	32	100%	13%	20%	20%	20%	0.0	20%	0.0
21	HFR		35	35	100%	15%	22%	15%	20%	0.7	15%	0.0
24		HFR	18	18	100%	30%	30%	37%	30%	0.0	25%	2.2
25	HFR	HFR	49	49	100%	25%	32%	32%	23%	4.4	23%	4.4
26	HFR		48	48	100%	29%	36%	29%	27%	4.3	29%	0.0
30	HFR		84	84	100%	8%	15%	8%	15%	0.0	8%	0.0
31	HFR		21	21	100%	13%	20%	13%	20%	0.0	13%	0.0
32	HFR	HFR	75	75	100%	13%	14%	14%	14%	0.0	14%	0.0
33	HFR	HFR	32	32	100%	13%	20%	20%	20%	0.0	20%	0.0
36	HFR	HFR	71	71	100%	13%	20%	20%	20%	0.0	20%	0.0
37	HFR		43	43	100%	24%	31%	24%	22%	3.8	24%	0.0
38		HFR	20	20	100%	30%	30%	37%	30%	0.0	28%	1.8
39	HFR	HFR	22	22	100%	29%	36%	36%	27%	2.0	27%	2.0
41	HFR	HFR	15	44	34%	29%	31%	31%	29%	0.8	29%	0.8
43	HFR	HFR	41	41	100%	14%	21%	21%	20%	0.4	20%	0.4
45	HFR	HFR	38	38	100%	29%	36%	36%	27%	3.4	27%	3.4
46		HFR	44	44	100%	23%	23%	30%	23%	0.0	23%	3.1
47	HFR	HFR	28	28	100%	25%	32%	32%	23%	2.6	23%	2.6
48	HFR	HFR	217	217	100%	17%	24%	24%	20%	8.7	20%	8.7
49		HFR	29	52	56%	30%	30%	34%	30%	0.0	28%	3.1
51	HFR	HFR	37	37	100%	14%	21%	21%	17%	1.5	17%	1.5
52	HFR	HFR	48	48	100%	30%	37%	37%	28%	4.4	28%	4.4
54		HFR	83	83	100%	24%	24%	31%	24%	0.0	24%	5.8
55	HFR	HFR	67	67	100%	30%	37%	37%	28%	6.0	28%	6.0
56	HFR	HFR	15	15	100%	16%	23%	23%	16%	1.1	16%	1.1
57	HFR	HFR	12	12	100%	21%	28%	28%	20%	1.0	20%	1.0
58		HFR	71	71	100%	17%	17%	24%	17%	0.0	20%	2.8
59		HFR	34	34	100%	30%	30%	37%	30%	0.0	28%	3.1

EA Unit/Stand Number	Proposed Activity HFR = Final Removal Cut		Treated Acres	Unit Acres	Percent Treated	Existing Detrimental Soil Conditions (%)	Estimated Detrimental Soil Conditions After Treatment (%)		Estimated Detrimental Soil Conditions After Restoration (%/Acres)			
	Alt 2	Alt 3					Alt 2	Alt 3	Alt 2		Alt 3	
60	HFR	HFR	26	26	100%	23%	30%	30%	20%	2.6	20%	2.6
61	HFR	HFR	45	45	100%	19%	26%	26%	19%	3.1	19%	3.1
62	HFR	HFR	56	56	100%	30%	37%	37%	28%	5.0	28%	5.0
63	HFR	HFR	7	7	100%	30%	37%	37%	28%	0.6	28%	0.6
65	HFR	HFR	190	190	100%	17%	24%	24%	20%	7.6	20%	7.6
66	HFR	HFR	39	39	100%	30%	37%	37%	28%	3.5	28%	3.5
67	HFR	HFR	9	9	100%	26%	33%	33%	24%	0.8	24%	0.8
70	HFR	HFR	16	16	100%	13%	20%	20%	20%	0.0	20%	0.0
71		HFR	17	17	100%	31%	31%	38%	31%	0.0	30%	1.4
72		HFR	47	47	100%	23%	23%	30%	23%	0.0	23%	3.3
73	HFR	HFR	7	7	100%	8%	15%	15%	15%	0.0	15%	0.0
75	HFR		53	53	100%	30%	37%	30%	28%	4.8	30%	0.0
76	HFR	HFR	25	25	100%	13%	20%	20%	20%	0.0	20%	0.0
78	HFR	HFR	47	55	85%	19%	25%	25%	19%	3.3	19%	3.3
79	HFR	HFR	48	48	100%	19%	26%	26%	19%	3.4	19%	3.4
80	HFR	HFR	48	48	100%	18%	25%	25%	18%	3.4	18%	3.4
81	HFR	HFR	76	76	100%	14%	21%	21%	19%	1.6	19%	1.6
82	HFR	HFR	32	32	100%	24%	31%	31%	22%	2.9	22%	2.9
83	HFR	HFR	56	56	100%	25%	32%	32%	23%	5.0	23%	5.0
84	HFR	HFR	171	171	100%	30%	37%	37%	30%	12.0	30%	12.0
86	HFR	HFR	77	106	73%	8%	13%	13%	13%	0.0	13%	0.0
87	HFR	HFR	20	20	100%	20%	27%	27%	20%	1.4	20%	1.4
88		HFR	30	30	100%	24%	24%	31%	24%	0.0	22%	2.7
89	HFR		96	96	100%	13%	20%	13%	20%	0.0	13%	0.0
90	HFR		80	80	100%	13%	20%	13%	20%	0.0	13%	0.0
91	HFR	HFR	30	30	100%	24%	31%	31%	22%	2.7	22%	2.7
92		HFR	41	41	100%	31%	31%	38%	31%	0.0	30%	3.3
93	HFR	HFR	18	18	100%	20%	27%	27%	19%	1.5	19%	1.5
94	HFR	HFR	46	46	100%	15%	22%	22%	15%	3.2	15%	3.2
95	HFR	HFR	38	38	100%	30%	37%	37%	28%	3.5	28%	3.5
96	HFR	HFR	45	45	100%	18%	25%	25%	20%	2.3	20%	2.3
97	HFR	HFR	11	11	100%	27%	34%	34%	20%	1.5	20%	1.5
98	HFR	HFR	26	26	100%	20%	27%	27%	20%	1.8	20%	1.8
99		HFR	38	38	100%	24%	24%	31%	24%	0.0	22%	3.4
100	HFR		182	182	100%	13%	20%	13%	20%	0.0	13%	0.0
101		HFR	21	21	100%	32%	32%	39%	32%	0.0	32%	1.5
102	HFR	HFR	17	17	100%	24%	31%	31%	20%	1.9	20%	1.9
103	HFR	HFR	60	60	100%	25%	32%	32%	23%	5.4	23%	5.4
104	HFR	HFR	16	16	100%	9%	16%	16%	16%	0.0	16%	0.0
105	HFR		80	80	100%	14%	21%	14%	19%	1.6	14%	0.0
106	HFR	HFR	171	193	89%	9%	15%	15%	15%	0.0	15%	0.0
107	HFR		74	74	100%	24%	31%	24%	22%	6.6	24%	0.0
108		HFR	24	24	100%	29%	29%	36%	29%	0.0	27%	2.1
109		HFR	6	6	100%	29%	29%	36%	29%	0.0	20%	1.0
110	HFR		33	33	100%	13%	20%	13%	20%	0.0	13%	0.0

EA Unit/Stand Number	Proposed Activity HFR = Final Removal Cut		Treated Acres	Unit Acres	Percent Treated	Existing Detrimental Soil Conditions (%)	Estimated Detrimental Soil Conditions After Treatment (%)		Estimated Detrimental Soil Conditions After Restoration (%/Acres)			
	Alt 2	Alt 3					Alt 2	Alt 3	Alt 2		Alt 3	
111		HFR	23	23	100%	31%	31%	38%	31%	0.0	30%	1.8
113	HFR	HFR	68	68	100%	30%	37%	37%	29%	5.5	29%	5.5
114		HFR	12	12	100%	30%	30%	37%	30%	0.0	25%	1.4
116	HFR	HFR	16	16	100%	23%	30%	30%	20%	1.6	20%	1.6
118	HFR	HFR	48	48	100%	26%	33%	33%	24%	4.3	24%	4.3
119	HFR	HFR	5	5	100%	35%	42%	42%	20%	1.1	20%	1.1
120	HFR	HFR	8	8	100%	23%	30%	30%	20%	0.8	20%	0.8
121	HFR	HFR	87	87	100%	25%	32%	32%	25%	6.0	25%	6.0
122	HFR	HFR	50	50	100%	25%	32%	32%	23%	4.5	23%	4.5
123	HFR	HFR	15	15	100%	25%	32%	32%	20%	1.8	20%	1.8
125	HFR	HFR	31	31	100%	8%	15%	15%	15%	0.0	15%	0.0
126	HFR	HFR	39	39	100%	14%	21%	21%	15%	2.3	15%	2.3
128	HFR	HFR	46	46	100%	15%	22%	22%	17%	2.3	17%	2.3
129	HFR	HFR	105	105	100%	13%	20%	20%	20%	0.0	20%	0.0
130	HFR	HFR	17	17	100%	27%	34%	34%	25%	1.5	25%	1.5
131	HFR	HFR	10	10	100%	29%	36%	36%	25%	1.1	25%	1.1
132	HFR	HFR	15	20	75%	9%	14%	14%	14%	0.0	14%	0.0
133	HFR	HFR	31	31	100%	29%	36%	36%	27%	2.8	27%	2.8
135	HFR	HFR	55	55	100%	15%	22%	22%	20%	1.0	20%	1.0
136	HFR		31	31	100%	29%	36%	29%	27%	2.8	29%	0.0
137	HFR	HFR	23	23	100%	25%	32%	32%	23%	2.1	23%	2.1
138	HFR	HFR	35	35	100%	24%	31%	31%	22%	3.2	22%	3.2
139	HFR	HFR	53	53	100%	15%	22%	22%	20%	1.1	20%	1.1
141		HFR	15	36	42%	25%	25%	28%	25%	0.0	23%	1.8
142	HFR	HFR	52	52	100%	25%	32%	32%	23%	4.6	23%	4.6
143	HFR	HFR	19	19	100%	14%	21%	21%	18%	0.6	18%	0.6
144	HFR	HFR	95	95	100%	14%	21%	21%	20%	1.0	20%	1.0
145	HFR	HFR	38	38	100%	15%	22%	22%	18%	1.6	18%	1.6
146	HFR	HFR	44	44	100%	14%	21%	21%	18%	1.3	18%	1.3
147	HFR	HFR	29	29	100%	30%	37%	37%	28%	2.6	28%	2.6
148	HFR	HFR	39	39	100%	29%	36%	36%	28%	3.1	28%	3.1
149		HFR	33	33	100%	31%	31%	38%	31%	0.0	30%	2.6
150		HFR	47	47	100%	24%	24%	31%	24%	0.0	23%	3.8
151	HFR	HFR	39	39	100%	13%	20%	20%	20%	0.0	20%	0.0
152	HFR	HFR	8	8	100%	13%	20%	20%	20%	0.0	20%	0.0
153	HFR	HFR	13	13	100%	13%	20%	20%	20%	0.0	20%	0.0
154		HFR	73	77	95%	23%	23%	30%	23%	0.0	23%	5.4
155		HFR	10	10	100%	31%	31%	38%	31%	0.0	25%	1.3
156	HFR	HFR	36	36	100%	15%	22%	22%	18%	1.4	18%	1.4
158	HFR		18	18	100%	13%	20%	13%	20%	0.0	13%	0.0
159	HFR	HFR	17	122	14%	14%	15%	15%	15%	0.0	15%	0.0
160	HFR		50	50	100%	32%	39%	32%	30%	4.5	32%	0.0
161	HFR		17	17	100%	14%	21%	14%	14%	1.2	14%	0.0
162	HFR	HFR	44	44	100%	29%	36%	36%	27%	3.9	27%	3.9
163	HFR	HFR	64	64	100%	30%	37%	37%	28%	5.8	28%	5.8

EA Unit/Stand Number	Proposed Activity HFR = Final Removal Cut		Treated Acres	Unit Acres	Percent Treated	Existing Detrimental Soil Conditions (%)	Estimated Detrimental Soil Conditions After Treatment (%)		Estimated Detrimental Soil Conditions After Restoration (%/Acres)			
	Alt 2	Alt 3					Alt 2	Alt 3	Alt 2		Alt 3	
164		HFR	84	84	100%	23%	23%	30%	23%	0.0	23%	5.9
165	HFR	HFR	13	19	68%	30%	35%	35%	28%	1.4	28%	1.4
166	HFR	HFR	55	55	100%	14%	21%	21%	19%	1.1	19%	1.1
167	HFR	HFR	21	33	64%	13%	17%	17%	17%	0.0	17%	0.0
168	HFR	HFR	26	26	100%	14%	21%	21%	15%	1.6	15%	1.6
170	HFR	HFR	13	13	100%	16%	23%	23%	16%	0.9	16%	0.9
171	HFR		1	34	3%	14%	14%	14%	14%	0.0	14%	0.0
173	HFR		15	15	100%	30%	37%	30%	25%	1.8	30%	0.0
174	HFR		28	28	100%	14%	21%	14%	18%	0.9	14%	0.0
175		HFR	10	10	100%	26%	26%	33%	26%	0.0	23%	1.0
176	HFR		16	16	100%	24%	31%	24%	22%	1.5	24%	0.0
177	HFR	HFR	60	60	100%	16%	23%	23%	18%	3.0	18%	3.0
178	HFR	HFR	38	38	100%	25%	32%	32%	23%	3.5	23%	3.5
179	HFR	HFR	17	17	100%	29%	36%	36%	25%	1.8	25%	1.8
180	HFR		14	14	100%	24%	31%	24%	22%	1.2	24%	0.0
181	HFR	HFR	39	39	100%	13%	20%	20%	20%	0.0	20%	0.0
182	HFR	HFR	23	23	100%	32%	39%	39%	30%	2.1	30%	2.1
183	HFR	HFR	26	53	49%	14%	17%	17%	17%	0.0	17%	0.0
185	HFR	HFR	6	35	17%	24%	25%	25%	23%	0.7	23%	0.7
186	HFR	HFR	12	12	100%	13%	20%	20%	20%	0.0	20%	0.0
187	HFR		27	27	100%	13%	20%	13%	20%	0.0	13%	0.0
188	HFR	HFR	134	134	100%	14%	21%	21%	20%	1.3	20%	1.3
189	HFR		31	31	100%	14%	21%	14%	18%	0.9	14%	0.0
190	HFR	HFR	42	42	100%	25%	32%	32%	23%	3.7	23%	3.7
191	HFR	HFR	36	36	100%	14%	21%	21%	18%	1.1	18%	1.1
193	HFR	HFR	18	26	69%	13%	18%	18%	18%	0.0	18%	0.0
194	HFR	HFR	13	13	100%	30%	37%	37%	25%	1.5	25%	1.5
195	HFR	HFR	48	48	100%	29%	36%	36%	27%	4.3	27%	4.3
196	HFR	HFR	14	14	100%	31%	38%	38%	25%	1.8	25%	1.8
197	HFR	HFR	9	36	25%	14%	16%	16%	16%	0.0	16%	0.0
198	HFR		34	34	100%	13%	20%	13%	20%	0.0	13%	0.0
200	HFR	HFR	23	23	100%	30%	37%	37%	28%	2.1	28%	2.1
201		HFR	15	15	100%	30%	30%	37%	30%	0.0	25%	1.8
202	HFR	HFR	45	45	100%	9%	16%	16%	16%	0.0	16%	0.0
203	HFR	HFR	3	3	100%	23%	30%	30%	15%	0.4	15%	0.4
204	HFR	HFR	32	32	100%	29%	36%	36%	27%	2.9	27%	2.9
205	HFR	HFR	7	7	100%	26%	33%	33%	24%	0.6	24%	0.6
206	HFR	HFR	242	242	100%	25%	32%	32%	25%	16.9	25%	16.9
208	HFR	HFR	22	22	100%	13%	20%	20%	20%	0.0	20%	0.0
209	HFR		40	40	100%	14%	21%	14%	18%	1.2	14%	0.0
210	HFR	HFR	48	48	100%	29%	36%	36%	27%	4.3	27%	4.3
213	HFR	HFR	15	15	100%	13%	20%	20%	20%	0.0	20%	0.0
214	HFR	HFR	10	10	100%	29%	36%	36%	25%	1.1	25%	1.1
215	HFR		26	26	100%	15%	22%	15%	18%	1.0	15%	0.0
216	HFR		14	14	100%	17%	24%	17%	17%	1.0	17%	0.0

EA Unit/Stand Number	Proposed Activity HFR = Final Removal Cut		Treated Acres	Unit Acres	Percent Treated	Existing Detrimental Soil Conditions (%)	Estimated Detrimental Soil Conditions After Treatment (%)		Estimated Detrimental Soil Conditions After Restoration (%/Acres)			
	Alt 2	Alt 3					Alt 2	Alt 3	Alt 2		Alt 3	
217	HFR	HFR	48	48	100%	30%	37%	37%	28%	4.4	28%	4.4
218	HFR	HFR	51	51	100%	29%	36%	36%	27%	4.6	27%	4.6
219	HFR		19	19	100%	22%	29%	22%	20%	1.7	22%	0.0
220	HFR		38	38	100%	15%	22%	15%	18%	1.6	15%	0.0
221	HFR	HFR	32	32	100%	14%	21%	21%	18%	0.9	18%	0.9
222	HFR		24	24	100%	15%	22%	15%	20%	0.5	15%	0.0
223	HFR		38	38	100%	14%	21%	14%	18%	1.2	14%	0.0
225	HFR	HFR	12	12	100%	13%	20%	20%	20%	0.0	20%	0.0
226	HFR		39	39	100%	15%	22%	15%	18%	1.6	15%	0.0
227	HFR	HFR	15	15	100%	29%	36%	36%	27%	1.4	27%	1.4
228	HFR	HFR	13	13	100%	17%	24%	24%	17%	0.9	17%	0.9
229	HFR	HFR	19	19	100%	15%	22%	22%	15%	1.3	15%	1.3
230	HFR	HFR	24	24	100%	29%	36%	36%	27%	2.1	27%	2.1
231	HFR	HFR	45	45	100%	13%	20%	20%	20%	0.0	20%	0.0
232	HFR	HFR	40	40	100%	30%	37%	37%	28%	3.6	28%	3.6
234	HFR	HFR	10	10	100%	19%	26%	26%	19%	0.7	19%	0.7
237		HFR	119	119	100%	23%	23%	30%	23%	0.0	23%	8.3
238	HFR		10	10	100%	9%	16%	9%	16%	0.0	9%	0.0
239	HFR		14	14	100%	10%	17%	10%	17%	0.0	10%	0.0
240	HFR	HFR	28	34	82%	9%	16%	16%	16%	0.0	16%	0.0
241	HFR	HFR	21	21	100%	8%	15%	15%	15%	0.0	15%	0.0
242	HFR	HFR	41	41	100%	29%	36%	36%	28%	3.3	28%	3.3
243	HFR	HFR	28	28	100%	29%	36%	36%	27%	2.5	27%	2.5
245	HFR	HFR	39	39	100%	33%	40%	40%	31%	3.5	31%	3.5
247	HFR	HFR	28	28	100%	14%	21%	21%	18%	0.9	18%	0.9
248	HFR	HFR	25	25	100%	29%	36%	36%	27%	2.2	27%	2.2
249	HFR	HFR	44	44	100%	17%	24%	24%	19%	2.2	19%	2.2
250	HFR	HFR	8	27	30%	17%	19%	19%	19%	0.0	19%	0.0
254	HFR	HFR	44	44	100%	14%	21%	21%	17%	1.7	17%	1.7
255	HFR	HFR	6	9	67%	29%	34%	34%	25%	0.8	25%	0.8
256	HFR	HFR	6	6	100%	29%	36%	36%	25%	0.7	25%	0.7
257		HFR	56	56	100%	23%	23%	30%	23%	0.0	23%	3.9
258		HFR	127	127	100%	29%	29%	36%	29%	0.0	29%	8.9
259	HFR	HFR	34	34	100%	25%	32%	32%	23%	3.1	23%	3.1
260		HFR	93	93	100%	23%	23%	30%	23%	0.0	23%	6.5
261	HFR	HFR	11	11	100%	9%	16%	16%	16%	0.0	16%	0.0
262	HFR	HFR	10	10	100%	15%	22%	22%	15%	0.7	15%	0.7
264	HFR	HFR	64	64	100%	14%	21%	21%	17%	2.5	17%	2.5
265	HFR	HFR	86	86	100%	14%	21%	21%	20%	0.9	20%	0.9
266	HFR	HFR	14	14	100%	24%	31%	31%	22%	1.2	22%	1.2
267	HFR	HFR	8	21	38%	8%	11%	11%	11%	0.0	11%	0.0
270		HFR	35	35	100%	29%	29%	36%	29%	0.0	29%	2.4
271	HFR	HFR	22	22	100%	9%	16%	16%	16%	0.0	16%	0.0
274		HFR	15	15	100%	29%	29%	36%	29%	0.0	26%	1.5
275	HFR		6	6	100%	19%	26%	19%	19%	0.5	19%	0.0

EA Unit/Stand Number	Proposed Activity HFR = Final Removal Cut		Treated Acres	Unit Acres	Percent Treated	Existing Detrimental Soil Conditions (%)	Estimated Detrimental Soil Conditions After Treatment (%)		Estimated Detrimental Soil Conditions After Restoration (%/Acres)			
	Alt 2	Alt 3					Alt 2	Alt 3	Alt 2		Alt 3	
276	HFR	HFR	28	28	100%	16%	23%	23%	19%	1.1	19%	1.1
277	HFR		24	24	100%	23%	30%	23%	21%	2.2	23%	0.0
278		HFR	16	16	100%	29%	29%	36%	29%	0.0	27%	1.5
279		HFR	10	10	100%	23%	23%	30%	23%	0.0	20%	1.0
280	HFR		5	5	100%	19%	26%	19%	19%	0.3	19%	0.0
282	HFR	HFR	32	32	100%	10%	17%	17%	17%	0.0	17%	0.0
283	HFR	HFR	39	39	100%	31%	38%	38%	30%	3.1	30%	3.1
284		HFR	9	9	100%	17%	17%	24%	17%	0.0	17%	0.7
285	HFR	HFR	3	3	100%	13%	20%	20%	20%	0.0	20%	0.0
286	HFR	HFR	74	74	100%	26%	33%	33%	26%	3.0	26%	3.0
288	HFR	HFR	15	15	100%	29%	36%	36%	25%	1.6	25%	1.6
290	HFR	HFR	30	30	100%	13%	20%	20%	20%	0.0	20%	0.0
291	HFR	HFR	14	14	100%	13%	20%	20%	20%	0.0	20%	0.0
292	HFR	HFR	29	29	100%	13%	20%	20%	20%	0.0	20%	0.0
293	HFR	HFR	27	27	100%	13%	20%	20%	20%	0.0	20%	0.0
294	HFR	HFR	24	24	100%	14%	21%	21%	18%	0.7	18%	0.7
295	HFR		108	108	100%	8%	15%	8%	15%	0.0	8%	0.0
296	HFR		71	71	100%	30%	37%	30%	30%	5.0	30%	0.0
298	HFR	HFR	9	9	100%	26%	33%	33%	23%	0.9	23%	0.9

Appendix 3 – Current and Foreseeable Projects

The effects of the following projects were considered in the analysis of cumulative effects.

Miscellaneous Post-Sale Project. Hand- felling of small diameter trees. Uses ground based equipment to accomplish vegetation management objectives.

Ponderosa pine release Project.

Rim Personal Use Woodcutting Area. In the northeastern portion of the project area.

Road Closures. Approximately 45.3 miles of road closures associated with Decisions supported by the following Environmental Assessments: Topso (1991), Woof (1994), Emerald (1996), Prairie Dog (1996), and Central (1999).

Edge Timber Sale. No overlap with Long Prairie units. NEPA analysis documented in the Central EA. Old "Troll Firewood Units." Treatment consists of removing dead/down trees.

Gem Timber Sale. No overlap with Long Prairie units. NEPA analysis documented in the Emerald EA. Treatment consists of removing overstory trees.

Howlet Fuels CE for Natural Fuels Treatment. No overlap with Long Prairie units. NEPA analysis ongoing. Proposed treatments include underburning, mowing of shrubs, and potentially some removal of lodgepole pine.