JACOBSZOON & ASSOCIATES, INC.
natural resource planning & management

Wednesday April 29th, 2020

Re: APN 010-055-27

To whom it may concern,

Tuesday, March 31st, 2020 I conducted a site visit to the above listed property. The habitat is predominately Oak woodland with small areas of brush dominated ecotypes. Approximately 95% of the stand is Blue oak (*Quercus douglasii)* while the remaining 5% is Ghost pine (*Pinus sabiniana)*. The understory consists of various species of manzanita (*Archtostaphylos)* and scrub oak. The slopes are moderate (mostly under 6%) with a southern aspect.

The proposed development sites were surveyed and determined to not be "timberland"; as defined by the California Forest Practice Rules. As requested by the Landowner, i've developed a forest fire prevention plan; aimed at reducing the potential for devastating wildfires within the ownership. The plan is outlined on the following pages.

If you have any questions or concerns, feel free to contact me at the number below.

Sincerely,

Jacob Harrower
RPF # 3070

117 Clara Ave. Ukiah, California 95482
707-485-5544 www.jaforestry.com fax: 707-485-5577

Forest Fire Prevention Plan

Prepared for:

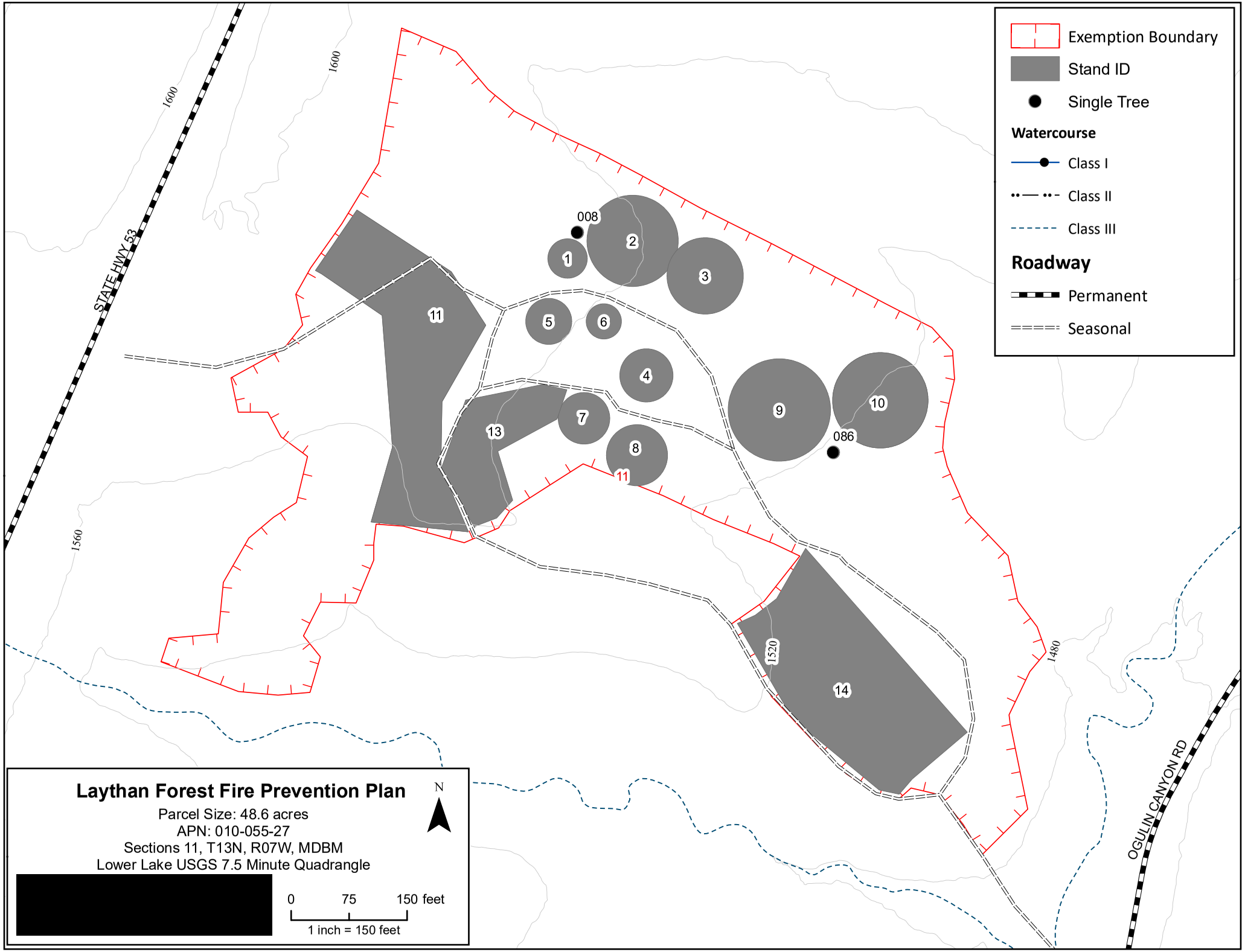
APN 010-055-27

The goal of this plan is to reduce the potential for devastating wildfires through the following methods: Reduce ladder fuels, reduce horizontal/vertical continuity of fuels, and increase tree vigor. By decreasing the total number of trees within the stand, competition for light, water, and nutrients is reduced among the retained individuals. The result is a healthier more drought resistant stand.

During the assessment trees were selected by the RPF for removal by marking a paint stripe at breast height and one at the base of the tree. Trees were selected from all DBH size classes while favoring retaining the largest trees. Oak trees showing signs of stress or infestation were targeted first, followed by poorly formed trees. The following tree characteristics were used to make this determination: visible insect exit holes, presence of mold or fungus, pitching, percent live crown, poor form (i.e. growing sideways, excessive low branches, or an uneven crown). The target spacing was 30-100 feet. This was chosen based on observations of healthy old growth blue oak woodlands. The QMD of the stand post operations will be increased.

235 trees were selected for removal. It is estimated there are 353 trees present prior to operations. Trees were mapped in work groups 1-14 (Stand ID). Each of these groups are represented on a corresponding table, showing the DBH size class, height, health, and species. See the attached map and table on the following pages.

All slash created during this operation must be treated to prevent a fire hazard. This can be achieved by constructing burn piles, lop and scatter, chipping, or removal. The lop and scatter technique is permissible as long as the resulting slash does not exceed 18” above the level of the ground. All piles are to be burned prior to the beginning of spring 2021. All burning must be conducted in accordance with the local Air Resource Control Board.


Exemption Boundary
Stand ID
Single Tree
Watercourse
Class I
Class II
Class III
Roadway
Permanent
Seasonal
STATE HWY 53
OGULIN CANYON RD
1600
1600
1560
1520
1480
008
086
1
2
3
4
5
6
7
8
9
10
11
11
13
14
Laythan Forest Fire Prevention Plan
Parcel Size: 48.6 acres
APN: 010-055-27
Sections 11, T13N, R07W, MDBM
Lower Lake USGS 7.5 Minute Quadrangle
[redacted]
N
0
75
150 feet
1 inch = 150 feet

QD= blue oak | PP= ponderosa pine

Stand ID	Tree ID	Tree Species	Tree Height (ft)	DBH (in)	Tree Health	Tree Count
001	001	QD	25	5.0	Moderate	1
001	002	QD	25	8.0	Moderate	1
001	003	QD	25	8.0	Moderate	1
001	004	QD	25	7.0	Moderate	4
001	005	QD	25	9.5	Good	1
001	006	QD	15	5.0	Poor	1
001	007	QD	26	10.0	Moderate	1
	008	QD	15	8.0	Moderate	1
002	009	QD	20	8.0	Good	1
002	010	QD	25	12.0	Dead/Dying	1
002	011	QD	20	6.0	Moderate	1
002	012	QD	30	12.0	Dead/Dying	1
002	013	QD	30	9.0	Poor	1
002	014	QD	10	5.0	Poor	2
002	015	QD	20	10.0	Dead/Dying	1
002	016	QD	20	6.0	Moderate	1
002	017	QD	15	6.0	Moderate	1
002	018	QD	15	3.0	Moderate	1
002	019	QD	15	6.0	Moderate	1
002	020	QD	15	5.0	Moderate	1
002	021	QD	20	10.0	Dead/Dying	1
002	022	QD	20	4.0	Poor	1
002	023	QD	20	5.0	Moderate	1
002	024	QD	20	6.0	Moderate	1
002	025	QD	20	5.0	Moderate	3
002	026	QD	20	4.0	Moderate	1

QD= blue oak | PP= ponderosa pine

Stand ID	Tree ID	Tree Species	Tree Height (ft)	DBH (in)	Tree Health	Tree Count
002	027	QD	20	10.0	Moderate	1
002	028	QD	15	10.0	Dead/Dying	1
002	029	GP	80	22.0	Dead/Dying	1
002	030	QD	20	6.0	Moderate	2
003	031	QD	20	7.0	Moderate	2
003	032	QD	20	8.0	Poor	1
003	033	QD	20	10.5	Moderate	1
003	034	QD	15	7.0	Moderate	1
003	035	QD	15	7.0	Moderate	1
003	036	QD	30	9.0	Moderate	1
003	037	QD	25	10.0	Poor	2
003	038	QD	26	6.0	Moderate	1
003	039	QD	20	10.0	Moderate	1
003	040	QD	20	10.0	Moderate	2
003	041	QD	20	10.0	Moderate	1
004	042	QD	20	12.0	Moderate	1
004	043	QD	20	12.0	Poor	1
004	044	QD	20	9.0	Poor	1
005	045	QD	20	11.0	Moderate	1
006	046	QD	20	6.0	Moderate	3
006	047	QD	20	9.0	Moderate	1
007	048	QD	20	7.0	Poor	1
007	049	QD	20	8.0	Poor	1
007	050	QD	20	7.0	Poor	1
007	051	QD	15	7.0	Poor	1
007	052	QD	20	8.0	Moderate	1

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Stand ID	Tree ID	Tree Species	Tree Height (ft)	DBH (in)	Tree Health	Tree Count
008	053	QD	20	7.0	Poor	19
008	054	QD	20	8.0	Moderate	4
008	055	QD	20	9.0	Moderate	1
009	056	QD	15	5.0	Poor	1
009	057	QD	25	11.0	Good	1
009	058	QD	20	10.0	Dead/Dying	1
009	059	QD	25	8.0	Moderate	2
009	060	QD	4	15.0	Dead/Dying	1
009	061	QD	20	10.0	Poor	1
009	062	QD	20	12.0	Moderate	1
009	063	QD	20	7.0	Poor	1
009	064	QD	20	12.0	Moderate	1
009	065	QD	15	6.0	Moderate	1
009	066	QD	10	9.0	Dead/Dying	1
009	067	QD	15	6.0	Moderate	1
009	068	QD	15	6.0	Moderate	1
009	069	QD	15	5.0	Dead/Dying	1
009	070	QD	15	4.0	Poor	1
009	071	QD	15	4.0	Moderate	1
009	072	QD	15	6.0	Poor	1
009	073	QD	15	12.0	Dead/Dying	1
009	074	QD	25	9.0	Poor	1
009	075	QD	25	8.0	Moderate	1
009	076	QD	15	2.0	Poor	1
009	077	QD	20	6.0	Poor	3
009	078	QD	20	9.0	Poor	1

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Stand ID	Tree ID	Tree Species	Tree Height (ft)	DBH (in)	Tree Health	Tree Count
009	079	QD	20	10.0	Moderate	1
009	080	QD	20	10.0	Poor	1
009	081	QD	20	6.0	Poor	1
010	082	QD	20	5.0	Moderate	1
010	083	QD	20	9.0	Moderate	1
010	084	QD	20	12.0	Moderate	1
010	085	QD	25	10.0	Good	2
010	086	QD	30	26.0	Dead/Dying	1
011	087	QD	15	6.0	Poor	6
011	088	QD	15	8.0	Dead/Dying	1
011	089	QD	15	8.0	Good	1
011	090	QD	15	10.0	Moderate	1
011	091	QD	15	6.0	Poor	2
011	092	QD	20	10.0	Moderate	1
011	093	GP	15	6.0	Good	1
011	094	QD	15	7.0	Moderate	1
011	095	QD	20	9.0	Good	1
011	096	QD	20	9.0	Poor	1
011	097	QD	20	11.0	Moderate	1
013	098	QD	25	11.0	Moderate	1
013	099	QD	20	9.0	Moderate	1
013	100	QD	20	9.0	Moderate	1
013	101	QD	20	7.0	Poor	1
013	102	QD	15	5.0	Poor	1
013	103	QD	15	8.0	Poor	1
013	104	QD	25	10.0	Poor	1

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Stand ID	Tree ID	Tree Species	Tree Height (ft)	DBH (in)	Tree Health	Tree Count
013	105	QD	20	6.0	Poor	3
013	106	QD	20	7.0	Poor	1
013	107	QD	20	9.0	Poor	1
013	108	QD	20	11.0	Dead/Dying	1
013	109	QD	25	13.0	Moderate	1
013	110	QD	25	10.0	Good	1
013	111	QD	20	9.0	Moderate	1
014	112	QD	20	16.0	Poor	1
014	113	QD	20	7.0	Poor	1
014	114	QD	20	10.0	Moderate	1
014	115	QD	10	7.0	Dead/Dying	1
014	116	QD	20	7.0	Poor	1
014	117	QD	10	4.0	Dead/Dying	1
014	118	QD	25	10.0	Poor	1
014	119	QD	25	11.0	Poor	1
014	120	QD	15	7.0	Poor	2
014	121	QD	20	7.0	Poor	1
014	122	QD	20	6.0	Poor	1
014	123	QD	20	8.0	Poor	1
014	124	QD	20	5.0	Poor	1
014	125	QD	20	4.0	Dead/Dying	2
014	126	QD	20	5.0	Poor	21
014	127	QD	20	7.0	Poor	1
014	128	QD	20	7.0	Poor	1
014	129	QD	20	8.0	Poor	1
014	130	QD	20	7.0	Poor	1

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Stand ID	Tree ID	Tree Species	Tree Height (ft)	DBH (in)	Tree Health	Tree Count
014	131	QD	20	7.0	Poor	1
014	132	QD	20	9.0	Poor	1
014	133	QD	20	10.0	Poor	1
014	134	QD	20	10.0	Poor	1
014	135	QD	30	14.0	Moderate	1
014	136	QD	10	4.0	Poor	1
014	137	QD	25	11.0	Moderate	1
014	138	QD	25	11.0	Good	1
014	139	QD	20	8.0	Dead/Dying	1
014	140	QD	20	7.0	Dead/Dying	1
014	141	QD	20	6.0	Dead/Dying	1
014	142	QD	20	8.0	Dead/Dying	1
014	143	QD	20	8.0	Dead/Dying	1
014	144	QD	15	6.0	Dead/Dying	1
014	145	QD	20	8.0	Dead/Dying	1
014	146	QD	25	8.0	Poor	1
014	147	QD	20	6.0	Dead/Dying	1
014	148	QD	15	4.0	Dead/Dying	1
014	149	QD	15	6.0	Poor	1
014	150	QD	20	7.0	Poor	1
014	151	QD	25	10.0	Poor	1
014	152	QD	25	11.0	Poor	1
014	153	QD	25	11.0	Poor	1
014	154	QD	25	12.0	Poor	1
014	155	QD	15	9.0	Dead/Dying	1
014	156	QD	15	5.0	Dead/Dying	2

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Stand ID	Tree ID	Tree Species	Tree Height (ft)	DBH (in)	Tree Health	Tree Count
014	157	QD	15	6.0	Poor	1
014	158	QD	20	11.0	Poor	1
014	159	QD	20	10.0	Poor	1
014	160	QD	20	8.0	Poor	1
014	161	QD	20	5.0	Poor	1
014	162	QD	20	7.0	Poor	1
014	163	QD	20	7.0	Poor	1
014	164	QD	20	9.0	Poor	1
014	165	QD	20	6.0	Poor	1
014	166	QD	20	9.0	Poor	1
014	167	QD	20	9.0	Poor	1