

Oak Tree Removal and Replacement Plan

Auto Canna's proposed cannabis cultivation operation will be established in an area of the Project Property characterized as Oak Savannah. In 2015, the Rocky Fire swept through the Project Property, burning so hot that most of the oak trees on the Project Property later died as a result. However, a collection of oak trees along the ridge where Auto Canna's proposed cultivation operation is to be located, survived the Rocky Fire and its aftermath. Auto Canna's proposed cultivation operation will disturb an area of approximately four acres in size, and will result in the removal/disturbance of 66 living oak trees with a DBH of 6 inches or greater. Of the 66 living oak trees to be removed/disturbed, 39 were identified as being recommended for removal when they were assessed during an Oak Habitat Tree Assessment/Inventory performed by a Tree Risk Assessment Qualified/Certified Arborist (meaning that only 27 healthy sound trees will be removed to establish the proposed cultivation operation).

Of the 314 trees inventoried on the Project Property, there were three grey pine *Pinus sabiniana* five black oaks *Quercus kelloggii* and 306 blue oaks *Quercus douglasii*. Of these 161 were found to be diseased, structurally defective, fire damaged and or dying to the extent that they were listed in the inventory as hazardous. To comply with the California Oak Woodlands Conservation Act, Auto Canna, LLC proposes to plant and protect 198 blue oak trees each year for three years, for a total of 594, and establish a 12-acre Oak Habitat Conservation Area. The majority of these trees (400) will be planted on the north side of the ridge between the blue oak forest and the brush, where there is an open area that runs east and west the length of the ridge. The trees that will be planted here will grow into a shaded fuel break. Additionally, 194 blue oak trees will be planted on the south side of the ridge, in areas with many dead, diseased and declining trees.

Auto Canna, LLC has collected and will continue to collect hundreds of acorns from the oak trees of the Project Property. Auto Canna has and will continue to sprout the acorns they collect, cultivating seedlings in 1-gallon nursery pots with potting soil, for planting within the Shaded Fuel Break. Within the Shaded Fuel Break, trees will be planted 10 feet apart in tree shelters protected by three T-posts with hog wire to prevent deer from browsing them. They will be irrigated with a drip irrigation system. The purpose of the close spacing will be to shade out the grasses, forbs and legumes that grow on the ridge and provide fire fuels as they did in the Rocky Fire. Interim fuel management until the trees become established in this area will be accomplished by grazing with goats. Auto Canna will consult with a Qualified Arborist certified by the International Society of Arboriculture each year for seven years, to advise on care and protection of oak trees across the Project Property.

Monitoring and Reporting

Each year in their annual Performance Review Report, Auto Canna will include a section dedicated to their Oak Tree Removal and Replacement Plan. This section will quantify the survival rate of the trees planted in the Shaded Fuel Break, and describe measures taken throughout the year to insure their survival and protection. This section will also include any documentation and/or recommendations provided by their Qualified Arborist that year. Auto Canna will also provide photos demonstrating that they are implementing this Oak Tree Removal and Replacement Plan, and to support their survival metrics.

Auto Canna Arborist Report

May 24, 2021

Prepared for:

Auto Canna, LLC

**21258 Morgan Valley Road
Lower Lake, California 95457**



Blue Oak *Quercus douglasii*, Lake County, California

Prepared by:

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Tree Risk Assessment Qualified

Certified Arborist WE-5344A

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Purpose of Report

The purpose of this report is to develop a plan to develop a thriving business enterprise while bringing the project into full compliance with the State of California Oak Woodlands Conservation Act. In doing this it is the intent of this report to layout a long term management plan whose implementation will preserve existing trees on the property to the greatest extent possible while mitigating the removal of trees that must be removed during development of the proposed cannabis cultivation operation.

General Overview of Forest of on Property

The property runs roughly east and west on a ridge at an elevation of 2800 feet and is approximately a quarter of a mile long. The ridge has areas that are level enough for cultivation as do side ridges that extend north and south from the main ridge with the beginnings of ravines between them. These ravines become increasing steep and deep as they travel down the north and south slopes of the ridge.

The ridge is largely forested with Blue oaks (*Quercus douglasii*), occasional Black oaks *Quercus Kelloggii* and several Grey pines *Pinus sabiniana*. These trees vary in size from younger trees with a diameter at breast height (dbh) of six inches to occasional large over mature trees over 40 inches in diameter. There is great diversity in the spacing and height of the trees with mixtures of closely growing groups of younger trees to large over mature solitary trees. There is no regeneration of any of the three species.

This could be the result of climatic change, periodic fires or the fact that many species of oak are only successful in establishing regeneration in rare years when rainfall and other climatic conditions are favorable to the production and germination of acorns. Pocket gophers *Geomys* sp. are numerous in the forested areas of the ridge. However, there was one cooper's hawk *Accipiter cooperii* who was hard at work on a daily basis trying to rid the forest of the numerous pocket gophers *Geomys* sp. and acorn wood peckers *Melospiza formicivorus*.

An inventory of these trees was performed and 313 trees were logged and relevant data for each tree recorded. Attachment I is a table of the trees that were inventoried with the data that was collected for each tree. Of these 161 were identified as being structurally unsound, dying, diseased and or hazardous. Attachment II is a collection of Tree Disturbance Maps showing the location of each tree, the diameter at breast height of each tree, and the ID# associated with each tree to be removed. These maps provide some indication of the relative size of the trees and their distribution.

The south slope of the property is very steep with ravines that become steeper and deeper towards the bottom of the slope. This plant community is dominated by chamise *Adenostoma fasciculatum*, manzanita *Arctostaphylos manzanita*, mules ear *yerba santa* and a wide variety of

other low growing thick native shrubs common to California chaparral. This area has few trees but is important to deer, song birds and quail. Chamise in particular has a seed that is a food source for wildlife and formerly Native Americans. This eco zone on the property is explosively flammable to the extent that it can produce heat and embers sufficient to cause combustion of trees, plant materials, infrastructure and equipment on the ridge.

The north slope has ravines similar to the south slope but is dominated by larger woody plants that benefit from the cooler and moister north slope. This includes black oak, blue oak, western red bud *Cercis occidentalis*, elderberry *Sambucus cerulean*, buck brush *Ceanothus cuneatus*, ash *Fraxinus sp.* And California bay *Umbellularia California*. While possibly not quite as flammable as the brush on the south slope, this eco zone too grows larger species and produces more fuel per acre over time.

The Rocky Fire

Of major significance to this forest is the Rocky fire that burned through this area in 2015. There must have been a thick stand of native and exotic grasses, forbs, and legumes growing on the forest floor to fuel the flames, because many trees show signs of intense fire and heat damage. This resulted in many trees having a six inch wide girdling scar at ground level that killed the cambium partially or completely around the tree. In many instances this area has damage causing decay at the root collar. Other trees have large fire scars to a height of 20 feet where the cambium was killed and the bark peeled off the tree leaving bare wood.

On most trees this wood was case hardened which is a process where the tree brings in chemicals that hardens the wood and preserves it. This wood will last for many years. The tree then tries to callus over the wound which is a process where the bark grows over the wound from the edges. If the tree covers the wound before the case hardening breaks down the structure of the tree is preserved and it will survive for many years. If the case hardening breaks down before the wound heals over a cavity is formed and the structure of the tree is compromised. Some trees are still successful in closing over the cavity and sealing it off. Few trees in this high dry site are growing fast enough to do this successfully.

The crowns of the trees that were also damaged consist of small to large limbs that were not burned but killed by the heat. This varies from complete crown kill to only smaller branches being killed. When this happens the trees nutrient production from photosynthesis in the foliage is reduced as is the trees ability to draw moisture and nutrients up from the roots. This often results in additional crown die back and sprouting of buds from epicormic tissue under the bark. These sprouts draw nutrients away from the crown causing further decline of the crown and the entire tree. The trees then either die or hang on as a scraggly shadow of what it was previously for many years. This is common in this forest.

Many trees in this forest are multi-stem trees with low forks in their structure. Sound forks have a wide U shape at their base and solid wood. Others have a narrow V and consist of two or more stems pressing together with no attachment between the stems above the very bottom of the fork. This results in a condition called “included bark”. These forks are weak and can lead to the tree splitting apart in the fork and one or both stems breaking out. Some trees even have an open crack between the two stems. Fire often got into these cracks or the bottom of the fork making the weak fork even weaker. Most of these trees were designated as hazardous and recommended for removal when collecting data for the inventory.

Another factor in the decline of many of the trees is the presence of fungi in the fire wounds. In most cases this appears to be California Oak Root Rot *Armillaria meliae*. This often causes severe decay and decline of a tree resulting in its death. This disease is treatable but at great expense and is not practical in this application.

Wildlife

Wildlife is abundant in the area and on the property. Black tailed deer *Odocoileus hemionus columbianus*, coyotes *Canis laterans*, pocket gophers, feral pigs *Sus scrofa*, wild turkeys *Meleagris gallopavo*, ravens *Raven disambiguation*, valley quail *Calliperpia californica*, Coppers hawks *Accipiter cooperii*, golden eagles *Meleagris chrysaetos*, Turkey vultures *Buteo vulgaris*, blue birds, *Sialia sialia*, acorn wood peckers and a wide variety of song birds and finches were observed.

There is a diversity of brush, forest, meadows and various sources of water from seeps in ravines to small creeks and ponds. The blue oaks on this property produce an important food source in the acorns that many species utilize. I was surprised to see that there were acorns that were still laying on the ground that had been viable until the dry weather desiccated them. In most areas a majority of the acorns are gone several weeks after they fall to the ground.

At least four of these trees have wood pecker nest cavities in them that may have wood peckers or other birds or possibly mammals such as bats, mice or squirrels nesting in them. Blue birds are cavity nesters and were seen frequently on the property. The large over mature trees are important for this type of use by wildlife because they often have heart rot. This allows wood peckers and other subsequent tenants to easily remove the soft decaying heart wood and make a larger cavity. These trees are hazardous and people, equipment, livestock and pets should not occupy the space beneath their canopies.

Compliance with the California Oak Woodlands Conservation Act

Of the 314 trees in the inventory there were three grey pine *Pinus sabiniana* five black oaks *Quercus kelloggii* and 306 blue oaks *Quercus douglasii*. Of these 161 were found to be diseased, structurally defective, fire damaged and or dying to the extent that they were listed in the inventory as hazardous. Many trees on the ridge that are hazardous can remain in place if people, vehicles, roads and equipment are not expected to be within their fall zone. Attachment II includes aerial photographs that show the location of the cultivation areas and the location of each of the 66 trees that will be removed as these areas are developed. Of these trees 39 were identified as being recommended for removal when they were assessed during the inventory. Therefore only 27 healthy sound trees will be removed to establish the cultivation areas.

To comply with the California Oak Woodlands Conservation Act Auto Canna, LLC proposes to plant and protect 198 blue oak trees each year for three years, for a total of 594. The majority of these trees (400) will be planted on the north side of the ridge between the blue oak forest and the brush, where there is an open area that runs east and west the length of the ridge. The trees that will be planted here will grow into a shaded fuel break. Attachment III shows the location of this fuel break. The remaining trees (194) will be planted on the south side of the ridge, in areas with many dead, diseased and declining trees. This is discussed future below as part of the long term forest management plan.

Long Term forest management plan.

Many trees on the ridge were badly damaged by the Rocky Fire in 2015 yet there are no remnants of brush. Therefore it is apparent that the flames and heat came from fuels produced by burning grasses, forbs and legumes that grew between and to a lesser extent under the trees. The next fire will do even more damage to the remaining trees due to the open cavities and fire wounds where insulating bark has fallen off allowing fire to burn into the trunks, cavities, forks and old wounds on the trees.

To reduce the potential for this type of damage grazing goats will be rotated through the forested areas annually before the fire season. The goats will reduce the fuels and the potential for further fire damage to the trees and assets on the property. This can be accomplished by fencing the ridge into a series of pastures or by using mobile electric single wire fences powered by car batteries to concentrate goats in an area to be grazed. The goats will remain in a pasture until the vegetation is reduced to an acceptable level. They actually remove the vegetation remarkably fast. There are people in the business of providing herds of goats to do this type of vegetation management if Auto Canna determines they do not want to undertake this themselves.

Just north from the area where the shaded fuel break is being established there is a sharp break in the terrain where the north slope drops off into steep terrain to the bottom of the hill. This area is recovering with a diverse variety of hard wood trees and shrubs under the skeletons of the numerous fire killed black oaks. This is already excellent wildlife habitat and will grow into a

mixed species hardwood forest with abundant edge effect from numerous small meadows and motts of brush that were there before the fire. Twelve acres of this area will be designated as an “**Oak Habitat Conservation Area**” and allowed to continue to regrow into a mixed hardwood forest. The location of the Oak Habitat Conservation Area is shown in Attachment III which also shows the location of the shaded fuel break.

Trees in the **shaded fuel break** will be planted 10 feet apart in tree shelters protected by three T-posts with hog wire to prevent deer from browsing them. They will be irrigated with a drip irrigation system. The purpose of the close spacing will be to shade out the grasses, forbs and legumes that grow on the ridge and provide fire fuels as they did in the Rocky Fire. Interim fuel management until the trees become established in this area will be accomplished by grazing with goats, mastication, flail mowing and contact and pre-emergent herbicides if needed, but it is anticipated that this would be accomplished mostly by the goats.

On the south side of the ridge the forest has many trees that are in poor condition and have been designated as “Remove tree/stump” in the inventory.” Many trees have already died and many more are declining rapidly. Oaks are shade tolerant in that they can germinate and grow in full shade. As a general rule trees with large leaves are more shade tolerant than trees with small leaves. The prevalent blue oaks on the ridge have very small leaflets. However, investigation of other blue oak forest/grass land savannas showed that they were germinating in full sun, full shade under the canopies but most frequently along the drip lines at the edge of the crowns. Therefore, 194 trees will be planted in the open areas between the existing trees in full sun, along the drip lines of trees and in the shade where there are large declining trees or motts of thickly growing declining trees. These trees will be planted and irrigated in the same manner as the trees in the shaded fuel break. This will serve to sustain the forest that is not replacing trees naturally and to enhance the other fuel management efforts in an effort to reduce fire damage.

Attachment I

Tree Inventory Data Table
(all Tree Inventory Data provided in
an electronic spreadsheet)

Tree Species	Tree ID	DBH	Height (feet)	Crown Width (feet)	Condition	Longitude	Latitude	To Be Disturbed
QUEDOU	3001	16	35	22	poor	-122.5148915	38.91111244	No
QUEDOU	3002	15	22	8	poor	-122.5149514	38.91113883	No
QUEKEL	3003	27	38	40	excellent	-122.5151775	38.91080637	No
QUEDOU	3004	19	32	18	poor	-122.5150675	38.91086415	No
QUEDOU	3005	20	28	24	poor	-122.514839	38.91071887	No
QUEDOU	3006	24	42	18	poor	-122.5148777	38.91075735	No
QUEDOU	3007	21	34	34	fair	-122.5147968	38.91077905	No
QUEDOU	3008	28	30	20	poor	-122.514742	38.91081095	No
QUEDOU	3009	23	33	47	good	-122.5149945	38.91043814	No
QUEDOU	3010	22	22	33	fair	-122.5150726	38.91046924	No
QUEDOU	3011	34	26	47	excellent	-122.5153962	38.91037025	Yes
QUEDOU	3012	16	33	33	good	-122.5152412	38.91038653	No
QUEDOU	3013	13	31	12	poor	-122.5151484	38.91043929	No
QUEDOU	3014	22	40	27	poor	-122.5151619	38.9104242	No
QUEDOU	3015	20	30	28	fair	-122.5152417	38.91031638	No
QUEDOU	3016	29	38	35	fair	-122.5152077	38.91026602	No
QUEDOU	3017	20	18	24	good	-122.5156155	38.91018722	Yes
QUEDOU	3018	33	40	49	poor	-122.5155821	38.91029852	Yes
QUEDOU	3019	12	41	41	poor	-122.5157843	38.91025299	Yes
QUEDOU	3020	16	36	33	fair	-122.5156853	38.9102194	Yes
QUEDOU	3021	17	27	15	fair	-122.5157339	38.91020154	Yes
QUEDOU	3022	11	23	15	poor	-122.5158645	38.91026765	No
QUEDOU	3023	11	37	16	fair	-122.5158765	38.91026459	No
QUEDOU	3024	10	22	8	poor	-122.5158117	38.91028699	No
QUEDOU	3025	11	38	10	poor	-122.5158109	38.91028175	No
QUEDOU	3026	13	30	9	poor	-122.5158684	38.91028314	No
QUEDOU	3027	13	37	8	poor	-122.5157138	38.91034429	No
QUEDOU	3028	16	20	9	poor	-122.5157813	38.91035545	No
QUEDOU	3029	24	39	23	excellent	-122.5158003	38.91034743	No
QUEDOU	3030	19	32	32	good	-122.5157327	38.91040327	No
QUEDOU	3031	21	30	21	poor	-122.5156447	38.91049585	No
QUEDOU	3032	20	34	18	fair	-122.5157396	38.91043556	No
QUEDOU	3033	9	21	7	poor	-122.515754	38.91048036	No
QUEDOU	3034	16	27	24	fair	-122.5156822	38.91049345	No
QUEDOU	3035	11	37	18	fair	-122.5154243	38.91062914	No
QUEDOU	3036	10	18	9	poor	-122.5156044	38.91046158	No
QUEDOU	3037	12	32	9	fair	-122.5157063	38.91051084	No
QUEDOU	3038	9	18	5	poor	-122.5157607	38.91053466	No
QUEDOU	3039	14	15	23	poor	-122.5156197	38.9104408	No

QUEDOU	3040	14	19	10	poor	-122.5155802	38.91048102	No
QUEDOU	3042	12	26	10	fair	-122.5155028	38.91038022	Yes
QUEDOU	3043	15	23	10	good	-122.5155631	38.91051901	No
QUEDOU	3044	16	33	19	good	-122.5156224	38.91048016	No
QUEDOU	3045	12	30	14	poor	-122.5157185	38.91048014	No
QUEDOU	3046	16	24	18	poor	-122.5158385	38.9104761	No
QUEDOU	3047	16	37	16	fair	-122.51577	38.91023024	Yes
QUEDOU	3048	16	23	9	poor	-122.5157408	38.91029556	No
QUEDOU	3049	11	23	7	poor	-122.5157027	38.91050919	No
QUEDOU	3050	17	23	36	good	-122.517968	38.91184596	No
QUEDOU	3051	16	24	13	fair	-122.515859	38.91062197	No
QUEDOU	3052	12	24	12	poor	-122.5158515	38.9105774	No
QUEDOU	3053	30	39	50	excellent	-122.5157447	38.9104604	No
QUEDOU	3054	20	37	53	good	-122.5157464	38.91059757	No
QUEDOU	3055	16	36	40	poor	-122.5154732	38.91079557	No
QUEDOU	3056	17	28	16	poor	-122.5151864	38.91081597	No
QUEDOU	3057	19	33	36	excellent	-122.5159256	38.91041295	No
QUEDOU	3058	17	29	36	poor	-122.5158387	38.91054038	No
QUEDOU	3063	11	17	51	good	-122.5160512	38.91057795	No
QUEDOU	3059	25	26	42	good	-122.5160944	38.9104426	No
QUEDOU	3060	25	33	54	fair	-122.5161335	38.91048839	No
QUEDOU	3061	25	40	60	good	-122.5159655	38.9101884	No
QUEDOU	3062	14	17	33	poor	-122.5159549	38.91023936	No
QUEDOU	3063	13	21	42	good	-122.5160755	38.91061747	No
QUEDOU	3064	8	24	9	poor	-122.5161179	38.91054411	No
QUEDOU	3065	21	36	42	poor	-122.5160973	38.9106294	No
QUEDOU	3066	17	30	34	poor	-122.5162087	38.9106321	No
QUEDOU	3067	11	24	14	poor	-122.5162798	38.91054993	No
QUEDOU	3068	14	25	30	fair	-122.5162458	38.91057219	No
QUEDOU	3069	7	25	7	poor	-122.5162263	38.91057991	No
QUEDOU	3070	13	29	9	fair	-122.5163324	38.91058345	No
QUEDOU	3071	14	38	30	fair	-122.5163734	38.91063963	No
QUEDOU	3072	28	35	38	fair	-122.5164475	38.91066088	No
QUEDOU	3073	14	22	26	fair	-122.5165717	38.91063703	No
QUEDOU	3074	14	29	26	fair	-122.5165032	38.91065617	No
QUEDOU	3075	17	33	18	good	-122.5167333	38.91083853	No
QUEDOU	3076	12	46	9	fair	-122.511845	38.90457225	No
QUEDOU	3077	10	41	8	fair	-122.5168159	38.91068546	No
QUEDOU	3078	12	44	18	poor	-122.5168558	38.91068017	No
QUEDOU	3079	14	34	17	fair	-122.5167981	38.91059779	No
QUEDOU	3080	30	59	60	poor	-122.5170034	38.91063829	Yes

QUEDOU	3081	9	37	4	fair	-122.5170661	38.91060669	Yes
QUEDOU	3082	14	52	18	poor	-122.5171546	38.91058249	Yes
QUEDOU	3083	16	40	54	poor	-122.5171638	38.91061877	Yes
QUEDOU	3084	21	65	36	good	-122.5171083	38.91044237	No
QUEDOU	3085	11	50	21	fair	-122.5167244	38.91055457	No
QUEDOU	3086	17	30	31	fair	-122.5167722	38.9105448	Yes
QUEDOU	3087	12	31	28	poor	-122.516876	38.9105143	Yes
QUEDOU	3088	22	48	33	fair	-122.5167987	38.91049194	Yes
QUEDOU	3089	16	45	33	fair	-122.5166946	38.91062561	No
QUEDOU	3090	10	31	18	fair	-122.5166125	38.91054209	No
QUEDOU	3091	12	29	19	poor	-122.516578	38.91059344	No
QUEDOU	3092	13	34	29	poor	-122.5165284	38.91055021	No
QUEDOU	3093	16	49	52	excellent	-122.5164522	38.91056167	No
QUEDOU	3093	16	49	41	excellent	-122.516406	38.91054608	No
QUEDOU	3096	34	43	40	poor	-122.516527	38.91057999	No
QUEDOU	3099	10	28	21	poor	-122.5162038	38.91021519	No
QUEDOU	3100	13	49	39	poor	-122.5161088	38.91011748	No
QUEDOU	3101	15	47	48	good	-122.5161372	38.91020719	No
QUEDOU	3102	16	38	30	poor	-122.5162816	38.91016393	No
QUEDOU	3103	20	59	38	excellent	-122.5160173	38.91021496	No
QUEDOU	3104	15	47	42	fair	-122.5161866	38.9101139	No
QUEDOU	3105	23	35	48	poor	-122.516032	38.91003499	No
QUEDOU	3106	21	33	39	excellent	-122.5160972	38.91016019	No
QUEDOU	3107	14	30	5	poor	-122.5159004	38.91022447	No
QUEDOU	3108	13	8	5	poor	-122.5159998	38.91003165	No
QUEDOU	3062	18	35	31	poor	-122.515807	38.91019711	No
QUEDOU	3109	20	49	33	poor	-122.5157516	38.91017738	Yes
QUEDOU	3110	16	24	22	poor	-122.519568	38.91130747	No
QUEDOU	3111	9	29	5	fair	-122.515565	38.91000664	No
QUEDOU	3113	23	39	42	good	-122.5153508	38.91010659	No
QUEDOU	3114	13	43	21	fair	-122.5156058	38.90999477	No
QUEDOU	3115	11	31	33	good	-122.5156364	38.90999522	No
QUEDOU	3117	12	48	21	good	-122.5155447	38.90992215	No
QUEDOU	3119	18	39	18	fair	-122.5155242	38.90986971	No
QUEDOU	3120	14	37	13	fair	-122.5154342	38.90987252	No
QUEDOU	3121	14	28	39	poor	-122.5153945	38.90986556	No
QUEDOU	3122	10	24	23	poor	-122.5154737	38.90981202	No
QUEDOU	3116	9	20	19	excellent	-122.5155794	38.90990752	No
QUEDOU	3123	13	45	14	fair	-122.5153245	38.90983326	No
QUEDOU	3124	15	57	33	fair	-122.5153342	38.90982415	No
QUEDOU	3125	14	41	30	good	-122.5154226	38.90978802	No

QUEDOU	3126	15	45	18	poor	-122.5153444	38.90985303	No
QUEDOU	3127	11	42	22	poor	-122.5153556	38.9097505	No
QUEDOU	3129	13	40	24	poor	-122.5153845	38.90975633	No
QUEDOU	3130	15	40	26	poor	-122.5153701	38.90966273	No
QUEDOU	3131	15	38	23	fair	-122.5153092	38.90965731	No
QUEDOU	3133	10	13	10	poor	-122.5154256	38.90959285	No
QUEDOU	3134	12	28	18	poor	-122.515422	38.90957158	No
QUEDOU	3135	12	26	14	poor	-122.5154297	38.90946475	No
QUEDOU	3136	11	47	13	good	-122.5170186	38.91065912	Yes
QUEDOU	3137	9	36	9		-122.516957	38.91069273	No
QUEDOU	3138	21	45	12	poor	-122.5170218	38.91070808	No
QUEDOU	3141	7	29	4	poor	-122.5170951	38.91067274	Yes
QUEDOU	3142	10	28	15	poor	-122.5172111	38.91063522	Yes
QUEDOU	3143	11	50	16	poor	-122.517051	38.91067239	Yes
QUEDOU	3144	16	43	23	poor	-122.5170881	38.91094005	No
QUEDOU	3145	13	35	26	fair	-122.5171336	38.91068488	Yes
QUEDOU	3146	13	45	13	poor	-122.5171233	38.91059801	Yes
QUEDOU	3147	12	48	13	poor	-122.517236	38.91071846	Yes
QUEDOU	3148	11	31	9	poor	-122.5171715	38.91057688	Yes
QUEDOU	3149	15	42	24	fair	-122.5172099	38.91055133	Yes
QUEDOU	3150	15	41	29	good	-122.5172008	38.91052499	No
QUEDOU	3151	20	50	38	poor	-122.5172412	38.91053502	No
QUEDOU	3152	12	40	25	poor	-122.5171547	38.9104177	No
QUEDOU	3153	18	51	44	poor	-122.5172258	38.91034163	No
QUEDOU	3154	17	39	31	good	-122.5172514	38.91031548	No
QUEDOU	3155	19	37	36	poor	-122.5172948	38.91030918	No
QUEDOU	3156	17	40	38	fair	-122.5172599	38.91034017	No
QUEDOU	3157	18	26	30	fair	-122.5172777	38.9103312	No
QUEDOU	3158	19	36	27	good	-122.5166877	38.91014733	No
QUEDOU	3159	11	30	42	fair	-122.5170318	38.91033582	No
QUEDOU	3160	11	59	8	fair	-122.5170202	38.9106387	Yes
QUEDOU	3161	14	50	28	fair	-122.5168816	38.91067324	No
QUEDOU	3162	8	29	10	fair	-122.5168398	38.91072287	No
QUEDOU	3163	17	36	33	poor	-122.5167757	38.91076711	No
QUEDOU	3164	10	42	8	poor	-122.5166578	38.91076066	No
QUEDOU	3165	9	32	9	poor	-122.5168593	38.91077334	No
QUEDOU	3167	17	37	28	fair	-122.5166926	38.91099053	No
QUEDOU	3166	19	48	22	poor	-122.5169943	38.91113279	No
QUEDOU	3168	15	40	43	poor	-122.5168417	38.9109739	No
QUEDOU	3169	15	39	12	poor	-122.5184451	38.9116979	No
QUEDOU	3170	17	34	43	poor	-122.5169152	38.91094919	No

QUEDOU	3171	17	37	32	poor	-122.5168129	38.91092501	No
QUEDOU	3172	19	47	51	fair	-122.5169147	38.91083166	No
QUEDOU	3173	12	42	28	good	-122.517038	38.91077086	No
QUEDOU	3174	19	23	25	excellent	-122.5170976	38.9107974	No
QUEDOU	3175	14	43	30	fair	-122.5169821	38.91074656	No
QUEDOU	3176	14	38	42	poor	-122.5171701	38.91073718	Yes
QUEDOU	3177	14	44	33	good	-122.5171992	38.91066588	Yes
QUEDOU	3178	9	24	26	fair	-122.5172299	38.91068269	Yes
QUEDOU	3179	21	37	45	poor	-122.5173442	38.91069798	Yes
QUEDOU	3180	14	32	25	poor	-122.5172854	38.91058725	Yes
QUEDOU	3181	24	18	18	poor	-122.5173735	38.91057552	No
QUEDOU	3182	17	42	27	poor	-122.5174423	38.91065361	No
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QUEDOU	3191	16	33	10	fair	-122.5170264	38.91007839	No
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QUEDOU	3193	18	47	24	poor	-122.5171407	38.91004243	No
QUEDOU	3194	12	44	8	poor	-122.5170066	38.9101753	No
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QUEDOU	3196	23	45	35	poor	-122.5170586	38.91009731	No
QUEDOU	3197	25	37	58	excellent	-122.5171785	38.9102065	No
QUEDOU	3198	14	31	24	poor	-122.517212	38.91024337	No
QUEDOU	3199	16	38	26	good	-122.5173415	38.91031817	No
QUEDOU	3200	24	40	34	poor	-122.5174362	38.91024914	No
QUEDOU	3063	13	21	42	good	-122.5161022	38.91056016	No
QUEDOU	3603	13	38	18	fair	-122.5172451	38.91078716	Yes
QUEDOU	3604	10	21	23	poor	-122.5171104	38.91071583	Yes
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QUEDOU	3606	24	41	34	fair	-122.5170591	38.91091933	No
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QUEDOU	3608	10	47	10	fair	-122.5170839	38.91093335	No
QUEDOU	3608	8	38	8	poor	-122.5171426	38.91091459	No
QUEDOU	3609	9	34	34	poor	-122.5171069	38.91093363	No
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QUEDOU	3611	28	45	26	poor	-122.5171448	38.9109714	No

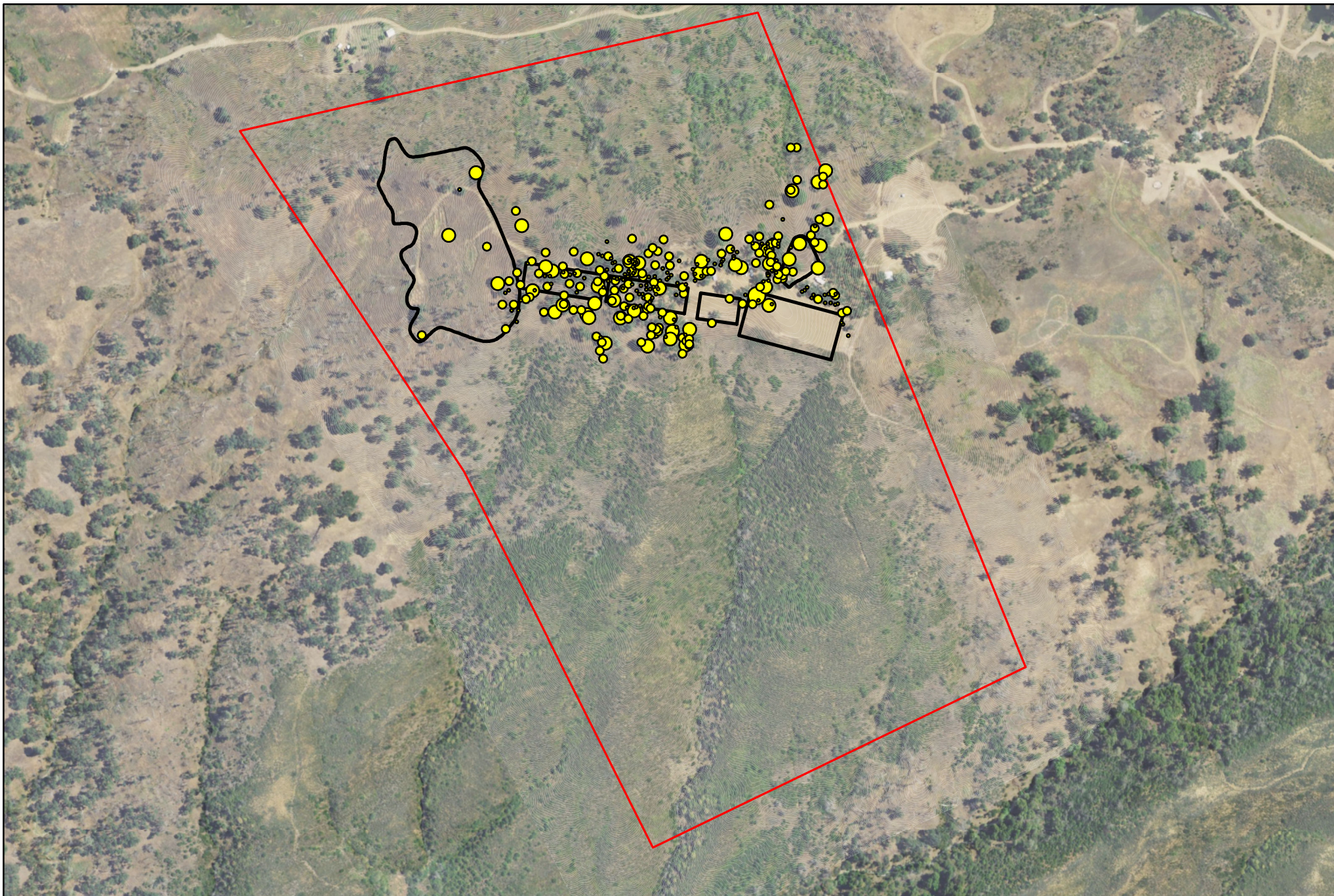
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QUEDOU	3615	22	43	35	poor	-122.5171512	38.91086177	No
QUEDOU	3616	16	35	25	good	-122.5171708	38.91088658	No
QUEDOU	3617	8	22	5	poor	-122.517169	38.91086524	No
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QUEDOU	3621	9	22	8	poor	-122.5171999	38.910856	No
QUEDOU	3622	6	24	5	poor	-122.5172426	38.9108657	No
QUEDOU	3623	15	25	24	poor	-122.5172796	38.91080317	Yes
QUEDOU	3624	8	32	4	poor	-122.5173601	38.91089266	Yes
QUEDOU	3625	11	40	14	poor	-122.5173311	38.91088768	Yes
QUEDOU	3626	16	47	27	fair	-122.517387	38.91088454	Yes
QUEDOU	3627	9	41	14	fair	-122.5173063	38.91085884	Yes
QUEDOU	3628	12	39	12	good	-122.5173554	38.91079707	Yes
QUEDOU	3629	22	43	12	good	-122.5172887	38.91096386	No
QUEDOU	3630	10	38	12	poor	-122.5174086	38.91100425	No
QUEDOU	3631	8	25	6	poor	-122.5172886	38.91102886	No
QUEDOU	3632	12	44	21	good	-122.5173156	38.91103177	No
QUEDOU	3633	12	25	15	fair	-122.5173063	38.9110719	No
QUEDOU	3634	15	43	38	fair	-122.5174786	38.91103181	No
QUEDOU	3635	12	27	0	poor	-122.5173601	38.91060085	No
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QUEDOU	3637	14	25	12	poor	-122.5174234	38.91063387	No
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QUEDOU	3640	15	17	16	poor	-122.5172919	38.91037431	No
QUEDOU	3641	22	35	33	good	-122.5174758	38.91030702	No
QUEDOU	3644	18	38	15	fair	-122.5173521	38.91078954	Yes
QUEDOU	3645	11	22	10	poor	-122.5174354	38.91091013	Yes
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QUEDOU	3650	6	23	10	poor	-122.5173832	38.91091355	Yes
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QUEDOU	3652	20	38	26	poor	-122.5174669	38.91096825	No
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QUEDOU	3656	21	34	33	fair	-122.5176286	38.91128518	No
QUEDOU	3657	18	30	22	poor	-122.5179098	38.91140164	No
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QUEDOU	3668	8	26	9	poor	-122.5178418	38.91052069	No
QUEDOU	3669	20	37	23	poor	-122.5178782	38.91054642	No
QUEDOU	3670	18	32	23	fair	-122.5175322	38.91074925	Yes
QUEDOU	3671	8	31	12	poor	-122.517204	38.91089914	No
QUEDOU	3672	17	30	33	poor	-122.5174485	38.91081643	Yes
QUEDOU	3673	28	37	25	poor	-122.5175101	38.91074109	Yes
QUEDOU	3674	13	41	20	poor	-122.5175412	38.91088557	No
QUEDOU	3675	26	43	39	good	-122.5175827	38.91092019	Yes
QUEDOU	3676	21	45	38	good	-122.5175718	38.9108561	No
QUEDOU	3677	27	51	42	poor	-122.5178489	38.9107202	No
QUEDOU	3678	18	31	23	poor	-122.5179573	38.91084658	No
QUEDOU	3679	16	39	55	poor	-122.517879	38.91081026	No
QUEDOU	3680	25	44	39	poor	-122.5177119	38.91080345	No
QUEDOU	3682	22	36	35	fair	-122.5178169	38.91122015	No
QUEDOU	3683	22	34	41	poor	-122.5175631	38.91095754	Yes
QUEDOU	3684	14	25	23	poor	-122.5176723	38.91103973	Yes
QUEDOU	3685	19	34	31	poor	-122.5177637	38.91099552	Yes
QUEDOU	3686	20	47	39	fair	-122.5180194	38.91093213	No
QUEDOU	3687	24	45	39	poor	-122.5180304	38.9109263	No
QUEDOU	3688	34	42	52	poor	-122.518149	38.91091029	No
QUEDOU	3689	22	49	33	poor	-122.5182553	38.91095666	No
QUEDOU	3690	18	38	34	poor	-122.5180781	38.91113667	Yes
QUEDOU	3691	19	36	28	fair	-122.5178488	38.91106297	Yes
QUEDOU	3692	17	38	22	fair	-122.5177148	38.91110762	Yes
QUEDOU	3693	14	33	15	poor	-122.5177443	38.91111598	Yes
QUEDOU	3694	12	35	14	poor	-122.5177941	38.91112826	Yes
QUEDOU	3695	8	27	6	poor	-122.5178292	38.91096443	Yes
QUEDOU	3696	10	32	14	poor	-122.5180471	38.91122525	Yes
QUEDOU	3697	10	28	32	fair	-122.517845	38.91117416	Yes
QUEDOU	3698	18	34	24	poor	-122.5178444	38.91115628	Yes

QUEDOU	3699	20	20	35	poor	-122.5179648	38.91099507	No
QUEDOU	3700	9	27	22	poor	-122.5180298	38.91113751	Yes
QUEDOU	3701	13	39	18	good	-122.5179953	38.9112048	Yes
QUEDOU	3702	34	51	24	excellent	-122.5179452	38.9112319	Yes
QUEDOU	3703	34	49	45	poor	-122.5179856	38.91129328	Yes
QUEDOU	3704	17	48	17	poor	-122.5180881	38.91127167	Yes
QUEDOU	3705	19	43	24	poor	-122.5180919	38.91139258	No
QUEDOU	3706	8	16	24	good	-122.5181455	38.91139657	Yes
QUEDOU	3707	18	40	24	excellent	-122.5182969	38.91136928	No
QUEDOU	3708	27	32	34	poor	-122.5149081	38.91283423	No
QUEDOU	3709	9	21	10	poor	-122.5182217	38.91116195	Yes
QUEDOU	3710	23	28	38	poor	-122.5185437	38.91137199	No
QUEDOU	3711	12	29	28	poor	-122.5185196	38.91126974	No
QUEDOU	3712	26	44	19	poor	-122.518246	38.91116854	No
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QUEDOU	3714	16	34	26	good	-122.5183572	38.91113403	No
QUEDOU	3715	18	37	33	poor	-122.5183087	38.91113284	No
QUEDOU	3716	16	39	14	poor	-122.5183335	38.91126372	No
QUEDOU	3717	17	35	18	good	-122.5184194	38.91133977	No
QUEDOU	3718	19	29	18	poor	-122.518614	38.91119141	No
QUEDOU	3719	12	42	39	poor	-122.5184724	38.911274	No
QUEDOU	3720	12	30	17	poor	-122.518556	38.91110822	No
QUEDOU	3721	12	31	19	poor	-122.5184934	38.91107876	No
QUEDOU	3722	17	34	27	poor	-122.5185074	38.91114329	Yes
QUEDOU	3723	13	26	16	poor	-122.5185701	38.91099928	No
QUEDOU	3724	18	46	12	poor	-122.5187165	38.91099438	No
QUEKEL	3725	32	56	47	good	-122.5160602	38.91076451	No
QUEDOU	3726	20	48	42	poor	-122.516378	38.91025771	No

Attachment II

Tree Disturbance Maps



Tree Disturbance Map

21258 Morgan Valley Rd
Lower Lake, CA 95457
APN: 012-069-57



Parcel boundary
Area of disturbance

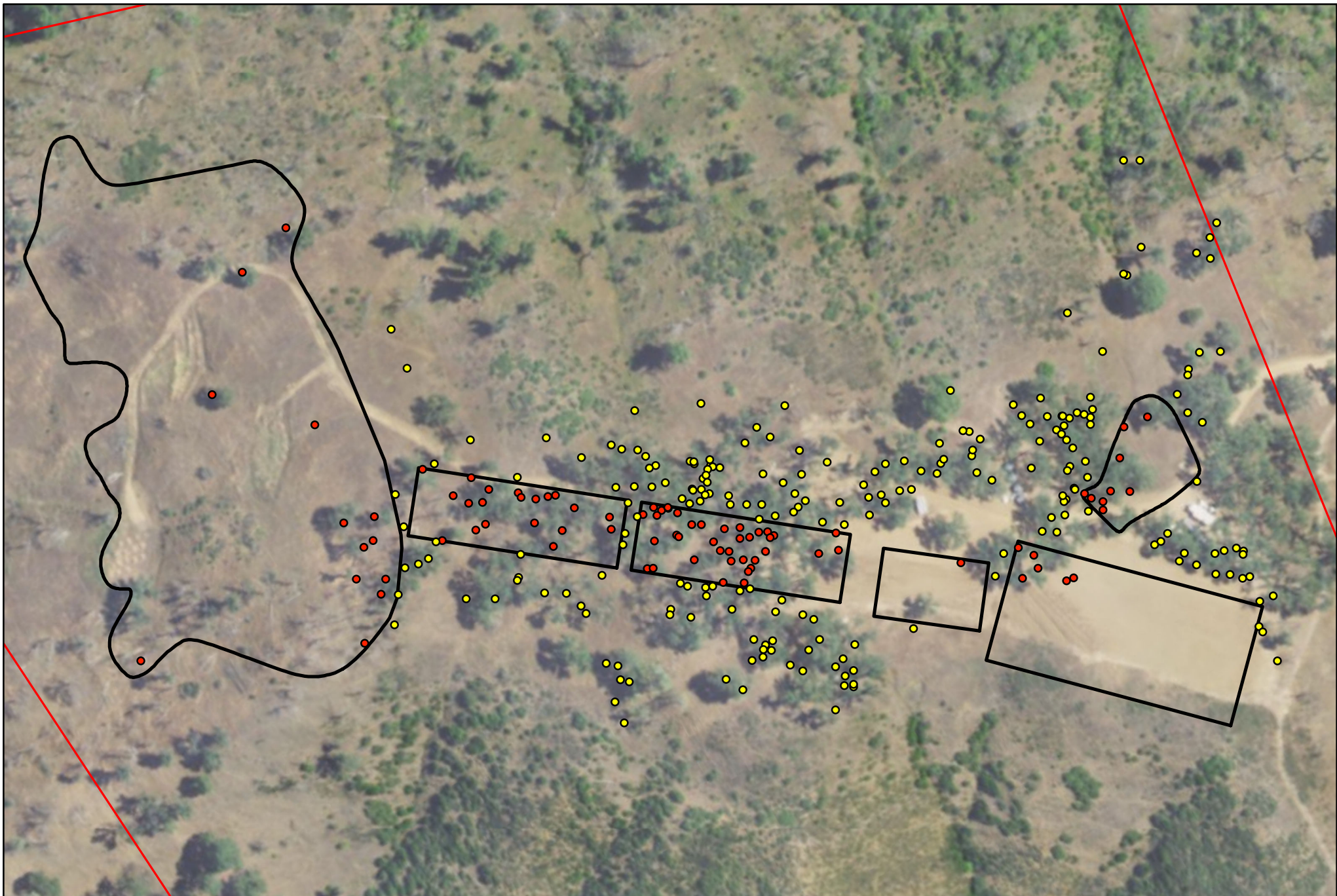
DBH (inches)

- 6 - 14
- 14 - 22
- 22 - 36
- 36 - 297

0 200 400 Feet



Parcel boundary provided
by Lake County
Map date: 5/21/21



Tree Disturbance Map

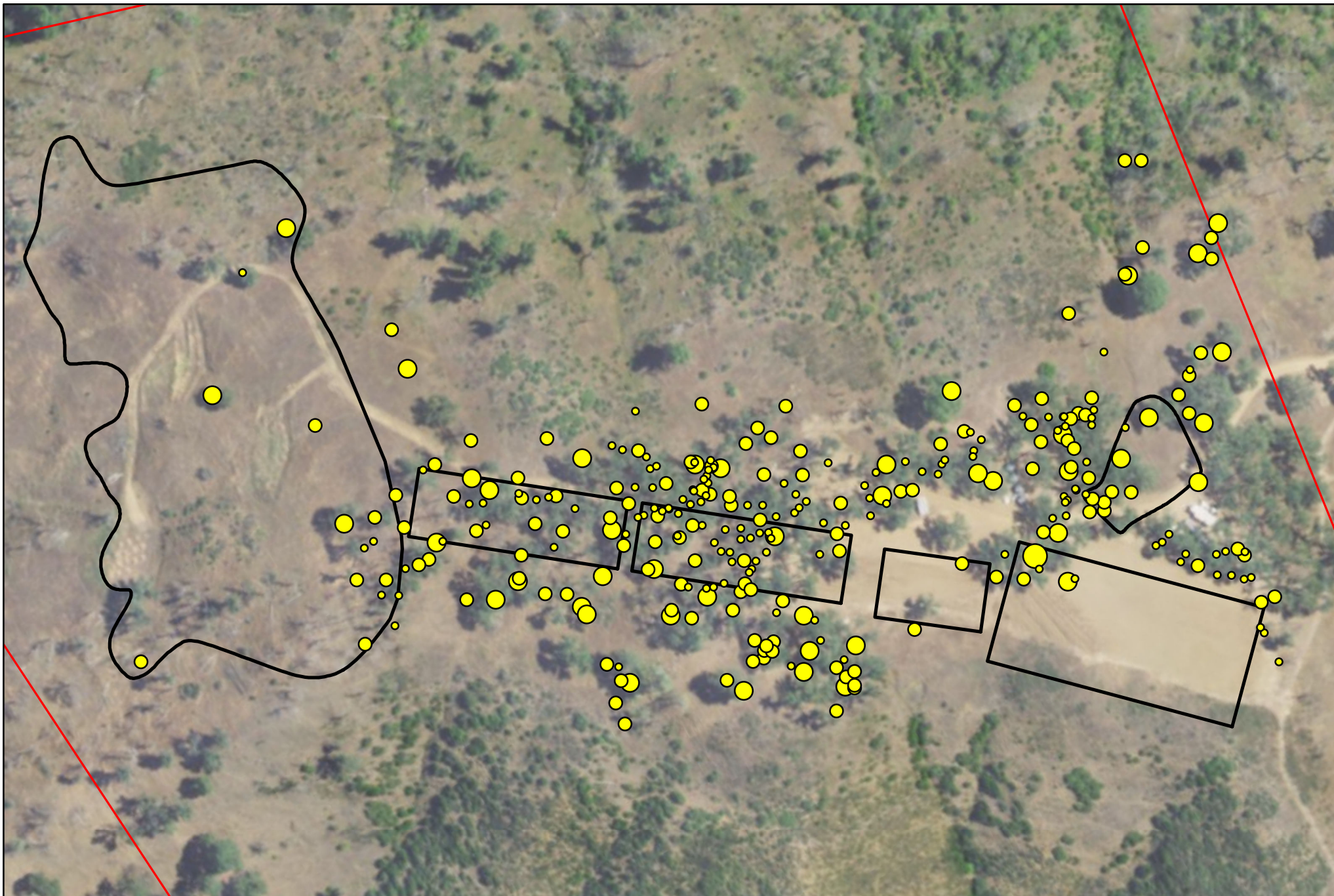
21258 Morgan Valley Rd
Lower Lake, CA 95457
APN: 012-069-57

-  Parcel boundary
-  Area of disturbance
- Disturbed trees**
 -  No
 -  Yes

0 200 400 Feet



Parcel boundary provided
by Lake County
Map date: 5/21/21



Tree Disturbance Map

21258 Morgan Valley Rd
Lower Lake, CA 95457
APN: 012-069-57



Parcel boundary
Area of disturbance

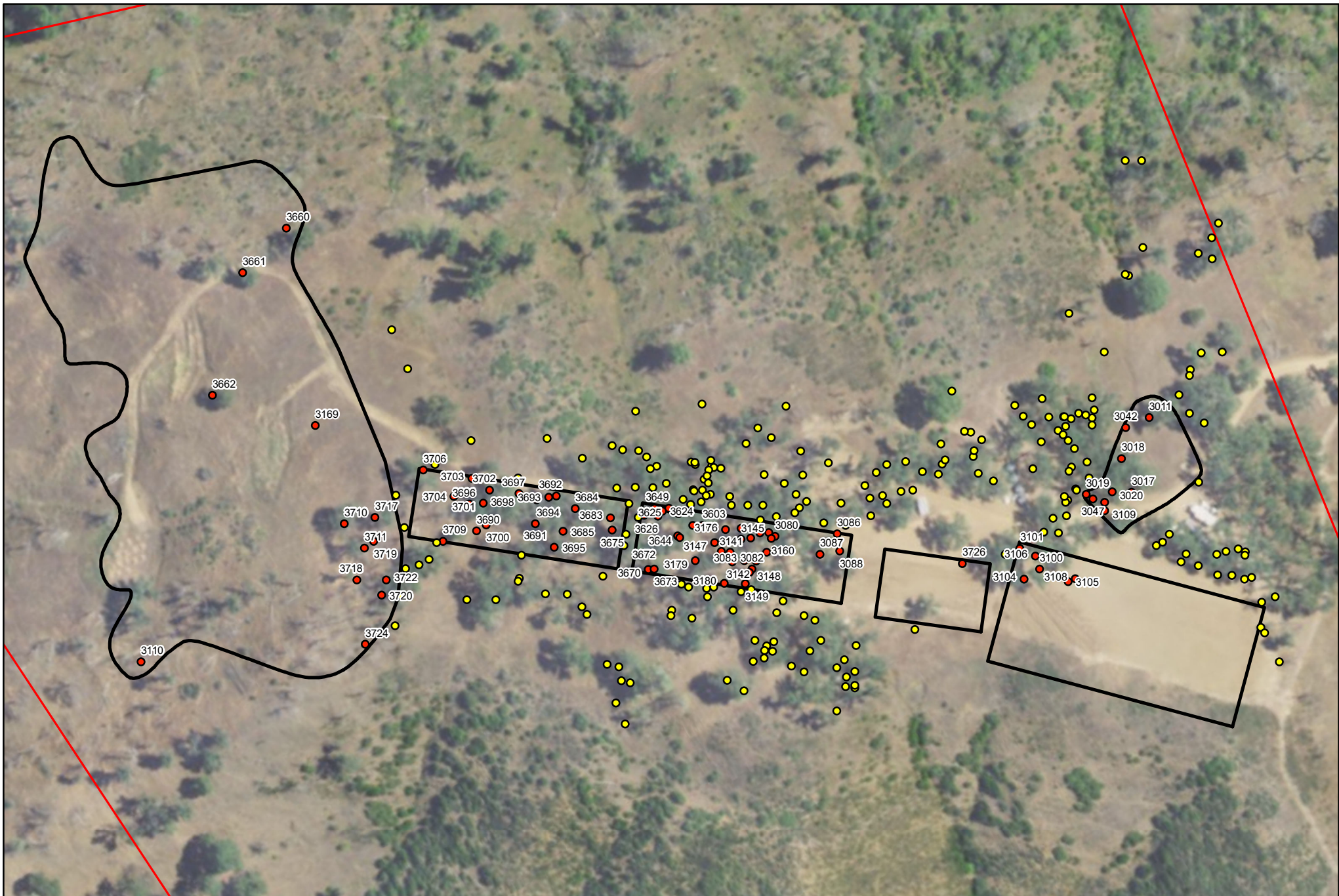
DBH (inches)

- 6 - 14
- 14 - 22
- 22 - 36
- 36 - 297

0 200 400 Feet



Parcel boundary provided
by Lake County
Map date: 5/21/21



Tree Disturbance Map

21258 Morgan Valley Rd
Lower Lake, CA 95457
APN: 012-069-57

-  Parcel boundary
-  Area of disturbance

0 200 400 Feet



Parcel boundary provided
by Lake County
Map date: 5/21/21

Attachment III

Proposed Conditions Site Plan (including Shaded Fuel
Break and 12-Acre Oak Habitat Conservation Area)