Species: *Usnea longissima* Ach., Methuselah's beard lichen

Photo Source: CalPhotos (2021)

Photo Credits: Top left: Hayley Ross; top right: Scot Loring; bottom: Eric Peterson.

Status

Table 1 summarizes the current status of this species or subspecies/variety by various ranking entities and defines the meaning of the status.

Table 1. Current status of Methuselah's beard lichen

Entity	Status	Status Definition
NatureServe CA[a]	G4, S4	G4: Apparently Secure — Uncommon but not rare; some cause for long-term concern due to declines or other factors. S4: Apparently Secure — Uncommon but not rare in the state; some cause for long-term concern due to declines or other factors.
California Rare Plant Rank[b]	4.2	4: Plants of limited distribution – a watch list. 0.2: Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat) This taxon was added to the *CNPS Inventory of Rare and Endangered Plants of California* in 2014 and has undergone no changes since that year (CNPS 2021).
California State Listing[c]	Not listed	
USDA Forest Service[d]	Survey and Manage Category A	Survey and Manage Category A: Manage all known sites; carry out pre-disturbance surveys; carry out strategic surveys.
USDI FWS[e]	Not listed	
USDI BLM[f]	BLM-S	Sensitive
NatureServe OR[g]	Not listed	
Oregon State Listing[h]	Not listed	
NatureServe NV[i]	Not present	
Nevada State Listing[j]	Not present	

[a] California Natural Diversity Database, California Dept. of Fish & Wildlife [CNDDB 2021, 2021a]
[b] California Native Plant Society [CNPS 2021]
[c] California Department of Fish and Wildlife [CDFW 2021]
[d] US Forest Service Region 5 Forester's List [USDA 2013] and Pacific NW Survey and Manage [USDA & BLM 2014]
[e] US Department of Interior Fish and Wildlife Service [USFWS 2021]
[f] US Department of Interior Bureau of Land Management [BLM 2020]
[g] Oregon Biodiversity Information Center [ORBIC 2019]
[h] Oregon Department of Agriculture [ODA 2018]
[i] Nevada Natural Heritage Program [NNHP 2021]
[j] Nevada Division of Forestry [NDF 2012]
Note: Individual State Heritage Programs (CNDDB, ORBIC, NNHP) represent NatureServe and contain more up-to-date ranks for their state than NatureServe Explorer.

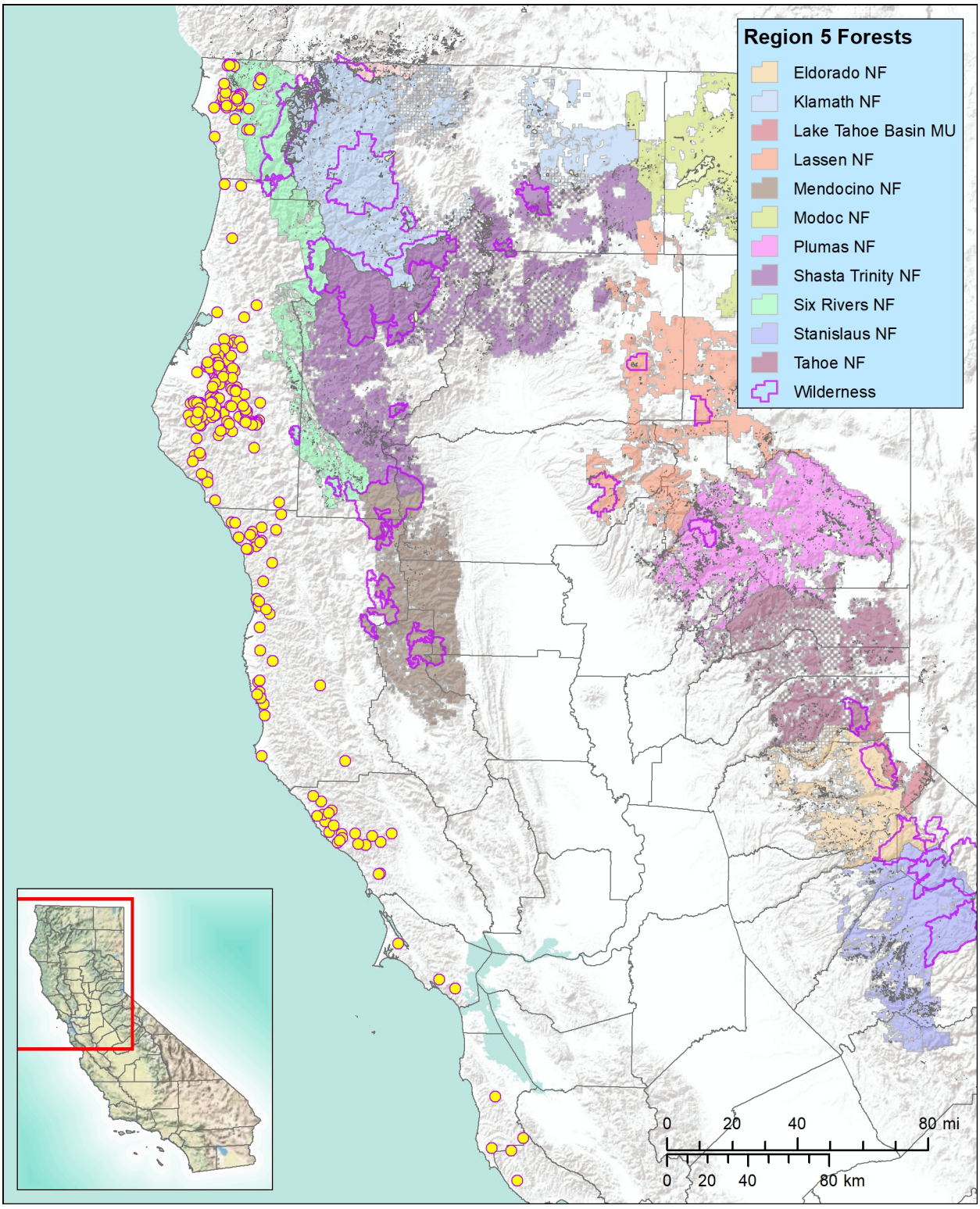
Distribution, abundance, and population trend on the planning unit[1]

Table 2 summarizes the distribution and frequency of this species or subspecies/variety within National Forest System Lands in California. Table 4 in Appendix 1 lists all known occurrences of this species or subspecies/variety within California. Individual occurrences are defined as sites that contain an individual, population, or groups of populations of the plant that are located more than 1/4 (0.25) of a mile apart from each other as defined by the CNDDB.

Table 2. Known occurrence frequency of Methuselah's beard lichen within the planning area (NRIS, CNDDB, Calflora/CCH databases)

National Forest System (NFS) lands in California	Record #s (from Table 4)	CNDDB EOs	Non-CNDDB Records	Recent (seen in past 20 years)	Historical (not seen in past 20 years)	Most Recent Obs. Date	Total Records on NFS lands
Six Rivers:	139, 196, 197, 198, 199, 200, 201, 202, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 222, 223, 224, 225, 226, 227, 228, 229, 231, 249, 250	8	23	31	0	28-Jul-2020	31
Totals:	N/A	8	23	31	0	N/A	31

[1] 1909.12 Chapter 10, Section 12.53, components 2, 3, and 4.



Sources: *Distribution*: Calflora 2021, CNDDB 2021, CNALH 2021, iNaturalist 2021, NRIS 2021. *Baselayers*: 2013 National Geographic Society, i-cubed, Esri, Garmin, NOAA, NPS, USGS.

Methuselah's beard lichen was last updated in the CNDDB on 4 October 2007 (CNDDB 2021), and therefore all Calflora, CNALH, and/or NRIS records prior to this date are assumed to have already been reviewed and entered into the CNDDB for this plant. Accordingly, only records from Calflora, CCH, and/or NRIS reported after this date have been reviewed for potential new or updated occurrence information and are included in Table 4 in Appendix 1 as applicable. The total number of occurrences for Methuselah's beard lichen were estimated using GIS tools and methods described by Green and Sims (2018).

Within California, Methuselah's beard lichen has a coastal distribution that includes the Klamath Ranges (KR), North Coast (NCo), Outer North Coast Ranges (NCoRO), and San Francisco Bay (SnFrB) bioregions; it has been found in Del Norte, Humboldt, Mendocino, Sonoma, Marin, Santa Clara, and Santa Cruz counties (Table 4). The species extends approximately 32 miles inland in Humboldt County (record #221), but it is usually found closer to the coast, especially as one reaches the southernmost portion of its historical distribution in Marin, San Mateo and Santa Cruz counties (Table 4, Carlberg 2017 pers. comm.). Outside of California, Methuselah's beard lichen is found worldwide in temperate regions. In North America, it is found in the Pacific Northwest, British Columbia, Alaska, the Rocky Mountains, the Great Lakes Region, and the northeastern U.S.; it is also found (although it is uncommon) in a few southern U.S. states, such as Texas, Florida, Alabama, and South Carolina (CNALH 2021).

Thirty-one of the 254 California records are located on U.S. National Forest lands, all on the Six Rivers National Forest. None are located in Wilderness Area. The other records are located on National Park land (three records), Bureau of Land Management lands (12 records), State Park lands (15 records), California Department of Forestry land (1 record), California Department of Fish and Wildlife lands (12 records), locally managed open space lands (seven records), privately owned lands (148 records), and the balance (25 records) are of unknown ownership. The majority of the records on privately owned lands are on lands managed for timber production (137 records). Forty-eight of the records are historical (not seen for more than 20 years) or have an unknown observation date. A majority of the recent records were observed between 2001 to 2003 on lands managed for timber.

There is no standardized method for estimating the population size of most lichens, including Methuselah's beard lichen (Derr et al. 2002, Carlberg 2021 pers. comm.). Populations have been censused for 122 of the 254 location records included in Table 4. In the case of 40 of those records, lichen counts are reported as the number of "individuals," while in 82 records, the number of trees/shrubs with lichen cover are reported. Most population estimates based on number of individuals report very few lichens, with 12 reports of 1 individual, 12 reports of two to five individuals, nine reports of eight to 15 individuals, four reports of 20 to 50 individuals, and one report of 100 individuals. There were also reports of 12 "stands" and two colonies. In terms of population estimates based on the number of trees colonized, there were 17 reports of one tree, 26 reports of two to five trees, 12 reports of six to 10 trees, 17 reports of 11 to 50 trees, one report of 94 trees, and one report of 232 trees.

The remaining eight tree reports included repeat observations of the number of trees colonized over a number of years (usually a fairly short time span). In four cases, there was a decrease in the number of trees reported. At record #56, five trees were observed in the year 2000, while in

2002, only one tree was observed. At record #70, two to four trees with high cover were observed in 2000 and only two trees in 2003. At record #80, 100 trees were observed in 2001 and 96 trees in 2002. At record #113, more than 35 trees were seen in 2001 and 20 in 2002. In three cases, the number of trees increased over time. At record 84, four trees were seen in 2001 and 60 in 2002. At record #139, five to 12 trees were seen in 2003, while 15 trees were seen in 2018. At record #194, one tree was observed in 2002 and five trees in 2003. At record #196, numerous visits between 2002 and 2018, not always at the same exact location, have yielded tree counts of one to 100 individuals and four to 10 trees. These data on changes in abundance over time do not reveal any general trends.

It is likely that some of the five southernmost location records of Methuselah's beard lichen have been extirpated. Record #1 from San Mateo County was a population known from a single tree which fell in ca. 2000 (CNDDB 2021). Record #2, also from San Mateo County, has not been seen for over 100 years. Records #240, #241, and #250, all observations or specimens from San Mateo and Santa Cruz counties, may have been extirpated in the 2020 CZU Lightning Complex fire.

Brief description of natural history and key ecological functions[2]

Methuselah's beard lichen is a fruticose, epiphytic lichen that forms long (sometimes > 3 m), silvery-green, pendulous strands with a mostly unbranched main axis and numerous short, perpendicular side branches and fibrils (Peterson 2005). The thallus (lichen body) drapes itself over tree and shrub branches; this species does not usually attach to its hosts via a holdfast (Peterson 2005). In California, this species has been found at highest density in the "coast redwood zone" (coastal fog zone) in north coast coniferous forest and broadleaved upland forest (CNDDB 2021, CNPS 2021). It has been documented growing on a variety of species, including *Sequoia sempervirens*, *Pseudotsuga menziesii*, *Pinus* spp., *Abies grandis*, *Acer macrophyllum*, *Umbellularia californica*, *Arbutus menziesii, Quercus* spp., *Notholithocarpus densiflorus*, *Vaccinium ovatum*, *Rhododendron macrophyllum*, and, rarely, *Arctostaphylos* spp. and *Malus* sp.; it has been observed at elevations of 30 to 1465 m. The most common host tree mentioned by observers is *Pseudotsuga menziesii* (CNDDB 2021, CNALH 2021). Although this species was thought to be a riparian species within old growth and late successional conifer stands, it is now known that it can grow and be locally abundant in younger or more open stands where there is sufficient moisture and suitable trees for colonization (Derr et al. 2002, Keon and Muir 2002). Methuselah's beard lichen, like all lichens, becomes dormant when dry and grows and photosynthesizes when moist/wet. Therefore, its growth and productivity is linked to moisture in its environment (Naesborg 2021 pers. comm.).

Methuselah's beard lichen has historically been included in the genus *Usnea*, in the family Parmeliaceae. *Usnea* is a large and cosmopolitan genus of macrolichens consisting of several hundred taxa (Randlane et al. 2009). An important distinguishing feature of the genus as traditionally recognized is an elastic, cartilaginous chord of solid tissue running longitudinally throughout the thallus; the fruticose thallus and the presence of the elastic central chord (seen by stretching a branch) was used to separate *Usnea* from all other lichen genera (CNALH 2021). However, phylogenetic work by Articus (2004) suggests that four species of *Usnea*,

[2] Basis for other 1909.12 Chapter 10, Section 12.53 components.

including *Usnea longissima*, should be placed in the genus *Dolichousnea* as defined by a suite of technical characters, including having a pendent thallus often lacking a holdfast, a positive (blue) iodine reaction in the central chord, and a thick hypothecium (hyphal tissue below the upper surface). Usage of this new genus and classification is lagging (Randlane et al. 2009, NRCS 2021, Tropicos 2021) but is accepted in important North American lichen references (Esslinger 2018, CNALH 2021). The very long, pendent thallus with mostly unbranched central axis found in Methuselah's beard lichen is rare in other lichen species in California; the positive iodine reaction of the central chord is diagnostic for the species (Peterson 2005). Inexperienced lichenologists may confuse it with other fruticose, epiphytic lichens that grow in the same habitat, such as pendent, but branched, *Usnea* species (that lack the positive iodine reaction) or with lace lichen (*Ramalina menziesii*), which has a strap-shaped, dissected thallus structure (Derr et al. 2002, Peterson 2005).

Apothecia (sexual spore-producing reproductive structures) and soredia (asexual dispersal structures) are rare in Methuselah's beard lichen in California (Doell and Wright 2000, Derr et al. 2002, Peterson 2005, Carlberg 2017 pers. comm.). Only one California population with soredia has been documented (record #18, CNDDB 2021). Dispersal of Methuselah's beard lichen is usually by fragmentation. Large fragments break off the thallus and blow onto other branches of the same or neighboring trees, or they fall to the ground (Keon and Muir 2002). Because of the size of the fragments, they do not disperse large distances, and this species is thought to be dispersal-limited (Derr et al 2002, Keon and Muir 2002). Therefore, the presence of a tree with a high density of lichen thalli is an important source for colonizing nearby areas. It is likely that many populations in moist, cool, old-growth forest habitat are remnants that have persisted over time; these forests are important refugia that preserve this species and allow the "seeding" of new areas (Keon and Muir 2002).

Fire effects on lichens are poorly studied (Peterson and Ikeda 2017). Large, hot fires that destroy the tree canopy will kill this species. However, as Methuselah's beard lichen has been exposed to natural fire regimes in California for long periods of time, it is possible that low-heat fire, especially if it does not reach the tree canopy, is not a major problem for the species (Peterson and Ikeda 2017). This may be especially true if the fire occurs when the species is dormant during dry environmental conditions (Peterson and Ikeda 2017, Naesborg 2021 pers. comm.). Conversely, when lichens are hydrated and not dormant, even smoke can have detrimental effects – effects similar to the well-documented decline of sensitive lichen populations due to air pollution (Geiser and Neitlich 2007, Peterson and Ikeda 2017).

Overview of ecological conditions for recovery, conservation, and viability[3] including Threats and Risk Factors

In California, this species has been found in areas with cool, coastal influence in the Klamath Ranges, North Coast, Outer North Coast Ranges, and San Francisco Bay bioregions from Del Norte to Santa Cruz counties. Of the 254 occurrence records listed in Table 4, 152 have occurrence quality ranks: 14 are ranked excellent, 34 good, 57 fair, and 47 poor. Reasons for a "poor" ranking include timber harvest activities that threaten the tree host, unfavorable or isolated habitat, and/or the low number of lichen thalli seen. A number of observers mentioned

[3] 1909.12 Chapter 10, Section 12.53, components 7, 9, 10, 11 and 12, as appropriate.

that, although Methuselah's beard lichen was present in low numbers, they did not find a nearby source tree "festooned" with high numbers of thalli. Threats listed by observers of Methuselah's beard lichen include road use/maintenance, timber harvest activities, development (vineyard conversion or road construction), and fire (Carlberg 2017 pers. comm., CNDDB 2021).

Methuselah's beard lichen was thought to be critically endangered in California in the 1990s, with only 21 verified extant populations, all located north of the Bay Area (Doell and Wright 2000, Doell 2004, Peterson 2005). This was cause for alarm, because the species had already dramatically declined in Europe (Peterson 2005). By 1996, the species was added as a Category A species to the Federal Survey and Manage list of the Northwest Forest Plan (Derr et al. 2002, Doell 2004, USDA and BLM 2014), and between 2000 and 2004, the species was tracked in the CNDDB as a Species of Conservation Concern (Doell 2004, CNDDB 2021). In 2014, Methuselah's beard lichen was placed on California Rare Plant Rank 4, a watch list that is not tracked at the occurrence level in the CNDDB (Sims et al. 2014). There are currently 206 Element Occurrences in the CNDDB for this species, all added prior to 2005 (CNDDB 2021), and there are 287 survey forms for this species that have been received by the CNDDB since that time that may represent 50 or more new occurrences (Green 2021 pers. comm.). Therefore, the actual number of occurrence records for this species may exceed 300. However, many location records are based on observations of small numbers of thalli, rather than source trees with abundant thalli.

Overall, 137 of the occurrence records in Table 4 are located on private lands managed for timber. Timber harvests have the potential to remove host trees. In addition, they can have detrimental effects on remaining lichen thalli through changes in microhabitat, such as moisture and light level, which in turn can affect survivorship and dispersal. It is now recommended that timber harvest plans include surveys for Methuselah's beard lichen and that source trees with abundant thalli be preserved to seed new populations (Derr et al. 2002, Keon and Muir 2002). Thalli can be recruited into marginal, high light environments if a source population is nearby, although mortality can be high (Keon and Muir 2002, Carlberg 2017 pers. comm.). Therefore, although there is still concern about the effects of timber harvests on the abundance of this species (Carlberg 2017 pers. comm.), there is also hope that the new guidelines will mitigate the long-term effects to some degree (Doell 2004, Peterson 2005).

Another important long-term threat to Methuselah's beard lichen is climate change, which may cause decreased coastal summer fog while increasing temperatures and fire incidence (Fried et al. 2004, Torregrosa et al. 2014). Methuselah's beard lichen is a boreal species that persists at the coastal edge of California in the "redwood belt," most likely due to cooler summer temperatures and summer fog (Doell and Wright 2000, Carlberg 2017 pers. comm.). Although this species may normally be able to withstand cool ground fires during its dormant phase, hot crown fires will destroy the thalli. Therefore, it is possible that some or all of the recently observed populations in San Mateo and Santa Cruz counties were extirpated in the CZU Lightning Complex Fire (Naesborg 2021 pers. comm.). If so, concerns about climate change affecting the southernmost extent of this species' California distribution were well-founded. It is also worth noting that increased smoke and air pollution in California during this species' non-dormant periods may also have an overall detrimental effect on its range.

Taxonomy[4]

Table 3 summarizes this species or subspecies/variety's name status in key literature.

Table 3. Name status of Methuselah's beard lichen	
Entity	**Name Status**
CNDDB and CNPS	*Usnea longissima* Ach.
Tucker (2014)	*Usnea longissima* Ach.
Esslinger (2018)	*Dolichousnea longissima* (Ach.) Articus
CNALH (2021)	*Dolichousnea longissima* (Ach.) Articus
USDA NRCS[a] PLANTS	*Usnea longissima* Ach.
[a] Natural Resources Conservation Service [NRCS 2021]	

Synonymy: *Dolichousnea longissima* (Ach.) Articus (Articus 2004). This name not yet recognized in Tropicos (2021).

Consortium of North American Lichen Herbaria Link (CNALH 2021): https://lichenportal.org/cnalh/taxa/index.php?taxon=Usnea+longissima&formsubmit=Search+Terms

Type locality: "Habitat arboreum ramos in sylvis Lusatiae" [tree branches in wooded areas of what is now Germany] (*Mosig 14-1*, H-ACH) (Acharias 1810, Articus 2004, JSTOR 2021).

Key literature

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Author(s) and Date:

Ellen A. Dean, California Native Plant Society, Associate Rare Plant Botanist, 16 April 2021; revised 30 September 2021.

Reviewer(s) and Date:

Aaron E. Sims, California Native Plant Society, Rare Plant Program Director, 22 September 2021.

Formatting: Form is set up as 508 compliant. Please use the "styles" if further formatting is necessary.

Purpose: This is to maintain the best available science on a species that could be used by the Forest Service in a variety of functions. Specifically, there would be additional steps and evaluations to determine whether or not this species would be considered a Species of Conservation Concern under the 2012 Planning Rule or a Sensitive Species under the 1982 Planning Rule.

Appendix 1: Known Occurrences

Table 4. Known Occurrences of Methuselah's beard lichen within California (NRIS, CNDDB, Calflora/CCH databases).

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.

Rec. #	Locality	County	Quad	Ref. (Source)	Date Last Obs'd	Population Info	Threats	Land Mgr.	Elev. (ft.)
1	SHINGLE MILL RESERVE, OIL (CREEK) RD, OFF OF HWY 9, HEADWATERS OF OIL CREEK. EXACT LOCATION UNKNOWN; MAPPED AS BEST GUESS TO INCLUDE SHINGLE MILL ROAD BY CNDDB.	San Mateo	Big Basin (3712222)	CNDDB, Jan. 2021 (EO 1)	4-Nov-1995	EXTIRPATED. SOURCE CITES 'OIL RD' WHICH COULD NOT BE LOCATED. THIS WAS THE MOST SOUTHERLY USNEA LONGISSIMA RECORD. USNEA WAS DRAPED AROUND A DEAD OR DYING DOUGLAS-FIR TREE. IN ABOUT 2000, TREE CRASED TO THE GROUND AND POPULATION BECAME EXTIRPATED.		Shingle Mill Reserve/ PVT	2040
2	PURISSIMA (PURISIMA) CREEK, WEST SLOPE EAST OF HALF MOON BAY. MAPPED BASED ON INFORMATION PROVIDED BY R. PRESTON.	San Mateo	Woodside (3712243)	CNDDB, Jan. 2021 (EO 2)	1910XXXX	POSSIBLY EXTIRPATED. DOELL NOTES THAT THERE HAVE BEEN NO RECENT REPORTS OF USNEA SOUTH OF SONOMA COUNTY IN RECENT TIMES.		The Nature Conservancy Middle Santa Clara River.	590

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
2	Purissima (Purisima) Creek.	San Mateo	Woodside (3712243)	CNALH Apr. 2021 (L 80090, COLO, NCU601 912, MIN, NEB226 016)	24-Jul-1903	On Sequoia sempervirens.		The Nature Conservan cy Middle Santa Clara River.	579
3	COLEMAN VALLEY RD, 9.6 KM E OF HWY 1. MAPPED BASED ON UTM COORDINATES PROVIDED BY WRIGHT.	Sonoma	Camp Meeker (3812248)	CNDDB, Jan. 2021 (EO 3)	21-Feb-2004	UNKNOWN NUMBER OF LICHENS OBSERVED BY WRIGHT. ALSO SEEN HERE IN 2004 BY PRESTON. IN 2004, SEEN IN LARGE FRAXINUS, AT MARGIN OF MEADOW AND NORTH COAST CONIFEROUS FOREST.		UNKNOW N	800

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
4	ARMSTRONG REDWOODS SP, AUSTIN CREEK SRA, NEAR BOUNDARY. TWO SIGHTINGS MAPPED TOGETHER AS BEST GUESS TO INCLUDE NE 1/4 OF NE 1/4 SEC 18 AND AREA 0.3 KM N OF BORDER ALONG ROAD.	Sonoma	Cazadero (3812351)	CNDDB, Jan. 2021 (EO 4)	XXXXXXXX	NEEDS FIELDWORK.		Armstrong Redwoods State SP/ Austin Creek SRA.	200
4	Armstrong Redwoods State Natural Reserve	Sonoma	Cazadero (3812351)	CNALH Apr. 2021 (UC1988705)	fall 2015	On dead foliage from the middle crown of old Sequoia sempervirens in old-growth redwood forest, 175 m south, southwest of the picnic area. Growing on foliage.		Armstrong Redwoods State SP/ Austin Creek SRA.	203
4	Armstrong Redwood State Reserve, 2.5 miles north of Guerneville	Sonoma	Cazadero (3812351)	CNALH Apr. 2021 (UC1966074)	4-Apr-1987	Redwood forest. Growing on bark.		Armstrong Redwoods State SP/ Austin Creek SRA.	
4	Armstrong Redwood State Reserve, 2.5 miles north of Guerneville	Sonoma	Cazadero (3812351)	CNALH Apr. 2021 (UC1795430)	17-Sep-2005	Redwood forest. On ground under redwoods.		Armstrong Redwoods State SP/ Austin Creek SRA.	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
4	Armstrong Redwoods State Park, Highway 116 to north of Guerneville	Sonoma	Cazadero (3812351)	CNALH Apr. 2021 (UC1795375)	17-Sep-2005	On ground. Soil.		Armstrong Redwoods State SP/ Austin Creek SRA.	
5	1.7 KM SW OF PLANTATION, SEAVIEW TRAIL OFF OF SEAVIEW RD. MAPPED AS BEST GUESS 1.7 KM SW OF PLANTATION ALONG ROAD BY CNDDB.	Sonoma	Plantation (3812353)	CNDDB, Jan. 2021 (EO 5)	XXXXXXXX	NEEDS FIELDWORK. PHOTODOCUMENTED, NOT COLLECTED.		UNKNOWN/ Salt Point SP?	960
5	Salt Point State Park, Seaview Trail	Sonoma	Plantation (3812353)	CNALH Apr. 2021 (UC2025236)	5-Feb-1993			UNKNOWN/ Salt Point SP?	
5	Near Plantation, on Hwy 1.	Sonoma	Plantation (3812353)	CNALH Apr. 2021 (UC1751338)	23-Jul-1994	On bark and twigs.		UNKNOWN/ Salt Point SP?	
5	Near Plantation, off Highway 1	Sonoma	Plantation (3812353)	CNALH Apr. 2021 (UC1875499)	22-May-1999	On bark of Douglas fir (i.e. Pseudotsuga sp.) at ridge above the coast. Associated species: Usnea sp., pendent, plenty of low papillae; Usnea wirthii, gold axis, red spots, short.		UNKNOWN/ Salt Point SP?	

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
5	Off Highway 1, near Plantation, Kruse Rance Road	Sonoma	Plantation (3812353)	CNALH Apr. 2021 (UC1933215, UC1933349)	22-May-1999	On bark and under Sequoiadendron sempervirens. Associated species: Usnea californica, Usnea wirthii, Usnea filipendula, Usnea fragilescens Group, Ramalina farinaceae Group, Cetrariaceae.		UNKNOWN/ Salt Point SP?	
6	FORT ROSS SP, SALT POINT SP, KOLMER GULCH, STEER FIELD RD. MAPPED AS BEST GUESS TO INCLUDE KOLMER GULCH BY CNDDB.	Sonoma	Fort Ross (3812352)	CNDDB, Jan. 2021 (EO 6)	XXXXXXXX	NEEDS FIELDWORK. KOLMER GULCH DOES NOT FALL WITHIN FORT ROSS SP OR SALT POINT SP, COULD NOT LOCATE STEER FIELD RD. NEED BETTER LOCATION INFO.		Fort Ross State Historic Park/ Salt Point SP.	400
7	TIN BARN RD, ABOUT 5 KM NW OF HAUSER BRIDGE RD.	Sonoma	Annapolis (3812363)	CNDDB, Jan. 2021 (EO 7)	XXXXXXXX	NEEDS FIELDWORK.		UNKNOWN	1400
8	STEWARTS POINT-SKAGGS SPRINGS RD, 8 KM E OF HWY 1.	Sonoma	Annapolis (3812363)	CNDDB, Jan. 2021 (EO 8)	XXXXXXXX	NEEDS FIELDWORK.		UNKNOWN	720
9	STEWARTS POINT-SKAGGS SPRINGS RD, 14 KM E OF HWY 1.	Sonoma	Annapolis (3812363)	CNDDB, Jan. 2021 (EO 9)	4-Dec-1993	NEEDS FIELDWORK.		Unknown	320

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
10	YORKVILLE, GALBRAITH PRESERVE. MAPPED AS BEST GUESS TO INCLUDE YORKVILLE BY CNDDB.	Mendocino	Yorkville (3812382)	CNDDB, Jan. 2021 (EO 10)	XXXXXXXX	NEEDS FIELDWORK; COULD NOT LOCATE GALBRAITH PRESERVE. OBSERVED BY DOUG GLAVICH, HSU.		UNKNOWN	960
11	MATTOLE ROAD, 1.6 KM FROM HWY 101, JUST E OF BULL CREEK FLAT, NORTHERNMOST END OF ROCKEFELLER FOREST. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 27.	Humboldt	Weott (4012338)	CNDDB, Jan. 2021 (EO 12)	15-Jun-2003	MORE THAN 100 INDIVIDUALS SEEN IN 2003. EPIPHYTIC ON AT LEAST 10 DIFFERENT TREES. AS FOREST MATURES, POPULATION WILL LIKELY SPREAD. EPIPHYTIC ON MORE THAN 10 TREES, MOSTLY SEQUOIA SEMPERVIRENS AND ACER MACROPHYLLUM. OTHER SPECIES PRESENT ARE ARBUTUS MENZIESII AND VACCINIUM OVATUM.	ROAD RELATED DISTURBANCES.	Humboldt Redwoods State Park	200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
12	USAL ROAD, HALFWAY FROM HWY 1 TO BRICELAND ROAD. EXACT LOCATION UNKNOWN; MAPPED AS BEST GUESS ON USAL RD HALFWAY BETWEEN HWY 1 AND BRICELAND RD BY CNDDB.	Mendocino	Bear Harbor (3912388)	CNDDB, Jan. 2021 (EO 13)	XXXXXXXX	NEEDS FIELDWORK.		UNKNOWN	1440

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
13	HARPER CREEK ON MATTOLE ROAD, ROCKEFELLER FOREST, HUMBOLDT REDWOODS SP.	Humboldt	Weott (4012338)	CNDDB, Jan. 2021 (EO 14)	19-Jun-2003	IN 2003, LICHEN WAS ABUNDANT IN THIS AREA OF THE FOREST, WHERE LARGE DIAMETER OLD GROWTH REDWOODS AS WELL AS SMALLER RIPARIAN TREES PROVIDE PLENTY OF SUITABLE SUBSTRATE. LICHENS TOO ABUNDANT AND HIGH TO COUNT, BUT MORE THAN 100 SEEN. HABITAT IS ALLUVIAL FLAT WITH SEQUOIA SEMPERVIRENS, LITHOCARPUS DENSIFLORUS, PSEUDOTSUGA MENZIESII, ALNUS RUBRA, AND VACCINIUM OVATUM.	ROAD USE, MAINTENANCE.	Humboldt Redwoods State Park	250

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
14	NEAR GRIZZLY CREEK REDWOODS SP VISITOR CENTER, AND NNE TO SE OF THE PARK. COLONY NEAR VISITOR CENTER IS FROM NON-SPECIFIC DATA. OTHER 14 COLONIES ARE FROM SPECIFIC DATA: GRIZZLY CREEK AND TRIBUTARIES UPSTREAM FROM CAMP BEMIS AND NEAR UNNAMED DIRT ROAD ALONG RIDGETOP BTWN GRIZZLY CREEK AND VAN DUZEN RIVER.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 15)	17-Sep-2001	IN PSEUDOTSUGA MENZIESII AND SEQUOIA SEMPERVIRENS FOREST, IN OPEN TO MODERATELY OPEN SETTINGS. ABUNDANT IN 6/2001; COVERED 75% OF THE LOWER CROWN OF AN INDIVIDUAL P. MENZIESII. AT LEAST 10 HOST TREES MODERATELY TO HEAVILY OCCUPIED IN 9/2001 IN THE NORTHERN TO MIDDLE PORTION OF OCCURRENCE. EO'S #38, #116, #117, AND #118 LUMPED HERE.	TIMBER HARVEST ACTIVITIES, CANOPY CLOSURE, ROAD USE/MAINTENANCE.	GRIZZLY CREEK REDWOODS SP	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
15	E OF MAPLE CREEK, BALD MOUNTAIN, ON THE FLANK NEAR KNUTZ CREEK. USED UTM GIVEN IN SOURCE DOCUMENT (WRI00U0001) TO MAP SITE.	Humboldt	Korbel (4012378)	CNDDB, Jan. 2021 (EO 16)	XXXXXXXX	NEEDS FIELDWORK.		UNKNOWN	1460
16	HONEYDEW, MATTOLE RD, 1.6 KM W OF TOWN. MAPPED ACCORDING TO UTM GIVEN, A BIT FURTHER ALONG ROAD THAN 1.6 KM.	Humboldt	Shubrick Peak (4012422)	CNDDB, Jan. 2021 (EO 17)	XXXXXXXX	NEEDS FIELDWORK.		UNKNOWN	340

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
17	HUMBOLDT REDWOODS SP, SQUAW RIDGE ROAD. OPPOSITE GRASSHOPPER PEAK, BETWEEN ENVIRONMENT AL CAMPGROUND & HANSEN MEADOWS. MAPPED AS BEST GUESS AT 1400' ON SQUAW RIDGE ROAD BY CNDDB.	Humboldt	Bull Creek (4012431)	CNDDB, Jan. 2021 (EO 18)	XXXXXX XX	NEEDS FIELDWORK.		Humboldt Redwoods State Park	1400

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
18	MOORES PRAIRIE-FOREST HOME AREA,"SECOND HOME" THP UNIT. MONUMENT ROAD, 6.5 KM W OF RIO DELL. LICHEN FOUND WITHIN ALL 3 UNITS OF THP; MAPPED TO INCLUDE THE NORTHWEST TIP OF UNIT 1 AND ALL OF NITS 2 AND 3.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 19)	8-Mar-2001	UNIT 1 HAS LARGE POP IN NW CORNER; UNIT 2 HAS LARGE POPS NEAR N BOUNDARY AND SE CORNER; UNIT 3 HAS POP IN SW CORNER. SITE IS "ONLY INSTANCE OF SOREDIATE U. LONGISSIMA OBSERVED IN CALIFORNIA." UNIT 1 PRIMARILY SEQUOIA SEMPERVIRENS AND ABIES GRANDIS WITH OCCASIONAL PSEUDOTSUGA MENZIESII AND QUERCUS KELLOGGII; UNIT 2 CONTAINS MATURE AND YOUNG REDWOODS AND GRAND FIR; UNIT 3 ENTIRELY COMPOSED OF MATURE A. GRANDIS.	LOGGING.	PVT	1200
19	REDWOOD NP, DOLASON TRAIL, 1.3 KM FROM EMERALD CREEK TRAIL.	Humboldt	Bald Hills (4112328)	CNDDB, Jan. 2021 (EO 20)	XXXXXXXX	NEEDS FIELDWORK.		Redwood National Park	560

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
20	PRAIRIE CREEK REDWOODS SP, OSSAGON TRAIL NEAR START AT NEWTON DRURY PARKWAY. MAPPED AS PER UTM COORDINATES PROVIDED.	Humboldt	Fern Canyon (4112441)	CNDDB, Jan. 2021 (EO 21)	XXXXXXXX	NEEDS FIELDWORK.		Prairie Creek Redwoods SP	800
21	DAMNATION CREEK TRAIL, 0.2 KM FROM HWY 101.	Del Norte	Childs Hill (4112461)	CNDDB, Jan. 2021 (EO 22)	12-Mar-1999	NEEDS FIELDWORK.		Del Norte Coast Redwoods SP	1000
22	JEDEDIAH SMITH SP, ON THE BANK OF THE SMITH RIVER AT MAIN CAMPING AREA ON HWY 299.	Del Norte	Hiouchi (4112471)	CNDDB, Jan. 2021 (EO 23)	XXXXXXXX	NEEDS FIELDWORK.		Jedediah Smith Redwoods SP	160

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
23	RIDGETOP WEST OF GULCH THREE, 1.25 AIR MILES WNW OF CONFLUENCE WITH TEN MILE RIVER, NORTHEAST OF TEN MILE RIVER MOUTH. ALONG "GREEN GATE ROAD": NORTHWESTERN COLONY ON RIDGETOP, MAPPED WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 27. SOUTHEASTERN COLONY MAPPED WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 27.	Mendocino	Dutchmans Knoll (3912356)	CNDDB, Jan. 2021 (EO 24)	8-Sep-2002	FEWER THAN 10 INDIVIDUALS OBSERVED IN 2001 AT NORTHWESTERN COLONY. THE RARE MITELLA CAULESCENS AND SIDALCEA MALACHROIDES OCCUR NEARBY. 10 INDIVIDUALS OBSERVED AT NEW SOUTHEASTERN COLONY IN 2002. IN SECOND GROWTH DOUGLAS-FIR AND REDWOOD, ON PSEUDOTSUGA MENZIESII TREE AND SMALL CEANOTHUS THRYSIFLORUS. NOT OLD GROWTH OR LATE SERAL; CANOPY ABOUT 40%. ASPECT IS MOSTLY WEST AND SOUTHWEST.	TIMBER HARVEST. FOUND NEAR ROAD.	PVT	4800

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
24	NORTH FACING SLOPE OF LARABEE CREEK DRAINAGE, 4.5 AIR MILES SOUTH OF SWAINS FLAT, SOUTHWEST OF BRIDGEVILLE. 2 COLONIES MAPPED MOSTLY WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 6. SOUTH OF LARABEE CREEK AND DIRT ROAD.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 25)	23-May-2001	USNEA LONGISSIMA SEEN IN 2001. IN CLOSED CANOPIED MESIC SEQUOIA SEMPERVIRENS FOREST.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	320

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
25	EAST OF ARNOLD CREEK, N-FACING SLOPE OF LARABEE CREEK CANYON, 4 AIR MILES SOUTH OF PEPPERWOOD FALLS, SW OF BRIDGEVILLE. JUST ABOVE THE RIVER. MAPPED WITHIN THE NW 1/4 OF THE SE 1/4 OF SECTION 5.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 26)	17-Jul-2001	1 (TREE?) SEEN WITH USNEA IN 2001. FOUND ON MEDIUM SIZE DOUGLAS-FIR ACROSS FROM LARABEE CREEK. IN SECOND GROWTH PSEUDOTSUGA MENZIESII / LITHOCARPUS DENSIFLORUS FOREST, 30-60 YEARS OLD. RESIDUAL PSEUDOTSUGA MENZIESII SCATTERED THROUGHOUT THE AREA. NORTHWEST ASPECT.	TIMBER HARVEST ACTIVITIES.	UNKNOWN	340

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
26	WEST OF ARNOLD CREEK, N-FACING SLOPE OF LARABEE CREEK CANYON, ABOUT 6 AIR MILES SOUTHWEST OF BRIDGEVILLE. 3 COLONIES MAPPED AS TWO POLYGONS BY CNDDB. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 5.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 27)	23-May-2001	USNEA LONGISSIMA SEEN IN 2001. THE RARE ASTRAGALUS AGNICIDUS AND MONTIA HOWELLII ALSO OCCUR AT THIS SITE. IN CLOSED CANOPIED MESIC SEQUOIA SEMPERVIRENS FOREST.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	700

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
27	UPPER ARNOLD CREEK, ALONG DIRT ROAD, 0.7 AIR MILE SE OF CONFLUENCE OF SMITH AND LARABEE CREEKS, SW OF BRIDGEVILLE. ALONG DIRT ROAD ABOUT 0.15 - 0.5 MILE EAST OF ARNOLD CREEK CROSSING. MAPPED MOSTLY WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 9.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 28)	23-May-2001	USNEA LONGISSIMA SEEN IN 2001. THE RARE ASTRAGALUS AGNICIDUS AND MONTIA HOWELLII ALSO OCCUR AT THIS SITE. IN CLOSED CANOPIED MESIC SEQUOIA SEMPERVIRENS FOREST.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1620

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
28	RIDGE BETWEEN UPPER SCOTT & ARNOLD CREEKS, 1.3 AIR MILES SE OF CONFLUENCE OF SCOTT & LARABEE CREEKS, SW OF BRIDGEVILLE. 6 COLONIES IN THE SE 1/4 SE 1/4 OF SECTION 8 AND THE S 1/2 OF SECTION 9.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 29)	19-Jun-2003	USNEA LONGISSIMA SEEN IN 2001. THE RARE ASTRAGALUS AGNICIDUS AND MONTIA HOWELLII ALSO OCCUR AT THIS SITE. ONE INDIVIDUAL SEEN IN 2003. IN CLOSED CANOPIED MESIC SEQUOIA SEMPERVIRENS FOREST.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2300

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
29	ALONG DIRT ROAD SOUTH OF LARABEE CREEK, ABOUT 5.5 MILES JUST SSE OF MAPLE GROVE, SOUTHWEST OF BRIDGEVILLE. 2 COLONIES. NORTHERN COLONY MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 10 AND SOUTHERN COLONY MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 10.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 30)	10-Jul-2003	4 INDIDVUALS SEEN AT SOUTHERN COLONY IN APRIL 2001. 40 SEEN AT NORTHERN COLONY IN NOVEMBER 2001. USNEA SEEN IN THIS VICINITY IN 2003. YOUNG DOUGLAS-FIR FOREST DOMINATED BY PSEUDOTSUGA MENZIESII AND ALNUS RUBRA. ASSOCIATED WITH LITHOCARPUS DENSIFLORUS, VACCINIUM OVATUM, AND CEANOTHUS VELUTINUS. NORTHERN ASPECT 20-40% SLOPE. JUGO SOILS.	TIMBER HARVEST ACTIVITIES; GROWING ALONG HAUL ROAD.	PVT-PACIFIC LUMBER CO	1550

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
30	LARABEE CREEK DRAINAGE, 0.5 - 0.7 AIR MILE SOUTH OF CONFLUENCE WITH BURR CREEK, SSE OF BRIDGEVILLE. TWO COLONIES MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 12.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 31)	3-Jul-2001	USNEA OBSERVED IN 2001. IN PSEUDOTSUGA MENZIESII/ LITHOCARPUS DENSIFLORUS FOREST.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1400
31	UNNAMED TRIBUTARY TO LARABEE CREEK, UPSTREAM FROM MAXWELL CREEK, 5.5 AIR MILES JUST SSE OF BRIDGEVILLE. 2 COLONIES ON EAST SIDE OF TRIBUTARY. MAPPED MOSTLY WITHN THE NW 1/4 OF THE SW 1/4 OF SECTION 12.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 32)	3-Jul-2001	UNKNOWN NUMBER OF INDIVIDUALS SEEN IN 2001. IN PSEUDOTSUGA MENZIESII/LITHOCARPUS DENSIFLORUS FOREST.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
32	LARABEE CREEK DRAINAGE, 0.5-0.8 AIR MILE SOUTH OF CONFLUENCE WITH MAXWELL CREEK, 6 AIR MILES SOUTH OF BRIDGEVILLE. 3 COLONIES ON EAST SIDE OF UNNAMED TRIBUTARY. IN NE1/4 OF SEC 14 AND SE1/4 OF SEC 11.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 33)	7-Nov-2001	7-10 MODERATELY TO HEAVILY OCCUPIED HOST TREES OBSERVED IN 2001 IN NORTHERN COLONY. UNKNOWN NUMBER OF INDIVIDUALS OBSERVED IN 2001 AT SOUTHERN 4 COLONIES. RIPARIAN ZONE WITHIN PSEUDOTSUGA MENZIESII FOREST. DOMINANTS: FRAXINUS LATIFOLIA, ACER MACROPHYLLUM, PSEUDOTSUGA MENZIESII. ASSOCIATES INCLUDE SALIX LAEVIGATA AND JUNCUS EFFUSUS. HUGO SOILS, NORTHWEST ASPECT.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
33	1 MILE WSW OF CONFLUENCE OF MAXWELL AND LARABEE CREEKS, SSW OF BRIDGEVILLE. ALONG DIRT ROAD SOUTH OF LARABEE CREEK. MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 10.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 34)	7-Nov-2001	7-10 MODERATELY TO HEAVILY OCCUPIED HOST TREES OBSERVED IN 2001. SITUATED IN A PSEUDOTSUGA MENZIESII/ LITHOCARPUS DENSIFLORUS FOREST WITH SECONDARY COMPONENTS OF RESIDUAL SEQUOIA SEMPERVIRENS, ABIES GRANDIS, ARBUTUS MENZIESII, AND UMBELLULARIA CALIFORNICA.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1600
34	ABOUT 1.2 MILES SOUTHWEST OF CONFLUENCE OF MAXWELL AND LARABEE CREEKS, SSW OF BRIDGEVILLE. 3 COLONIES, MAPPED WITHIN THE SW 1/4 OF THE NW 1/4 OF SECTION 14 AND THE S 1/2 OF THE NE 1/4 OF SECTION 15.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 35)	10-Apr-2001	UNKNOWN NUMBER OF INDIVIDUALS SEEN IN 2001. SITUATED IN A PSEUDOTSUGA MENZIESII/ LITHOCARPUS DENSIFLORUS FOREST WITH SECONDARY COMPONENTS OF RESIDUAL SEQUOIA SEMPERVIRENS, ABIES GRANDIS, ARBUTUS MENZIESII, AND UMBELLULARIA CALIFORNICA.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1900

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
35	BOULDER CREEK, ABOUT 1.1 MILES SSW OF CONFLUENCE OF MAXWELL & LARABEE CREEKS, JUST SSW OF BRIDGEVILLE. MAPPED MOSTLY WITHIN THE SE 1/4 OF THE NW 1/4 AND THE NW 1/4 OF THE SE 1/4 OF SECTION 14.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 36)	7-Nov-2001	4 HEAVILY OCCUPIED HOST TREES ON EAST SIDE OF BOULDER CREEK IN NOVEMBER 2001. SITUATED IN A PSEUDOTSUGA MENZIESII/ LITHOCARPUS DENSIFLORUS FOREST WITH SECONDARY COMPONENT'S OF RESIDUAL SEQUOIA SEMPERVIRENS, ABIES GRANDIS, ARBUTUS MENZIESII, AND UMBELLULARIA CALIFORNICA.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1800
36	GRIZZLY CREEK, 0.15 MILE NORTHWEST OF CAMP BEMIS, NORTH OF GRIZZLY CREEK STATE PARK. 100 FEET ABOVE GRIZZLY CREEK. MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 2.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 37)	XXXXXXXX	USNEA OBSERVED ON 2-3 HOST TREES (DOUGLAS-FIR AND REDWOOD). HOST TREES ARE 2-3 FEET IN DIAMETER. IN PSEUDOTSUGA MENZIESII / SEQUOIA SEMPERVIRENS FOREST ABOVE A CLASS II WATERCOURSE.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	500

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
37	NORTH OF THE VAN DUZEN RIVER, ABOUT 0.5 MILE WEST OF DEVILS KNOB, WEST OF GRIZZLY CREEK STATE PARK. 3 COLONIES MAPPED WITHIN THE SE 1/4 OF THE NW 1/4 AND THE NE 1/4 OF THE SW 1/4 OF SECTION 11.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 39)	XXXXXXXX	5-6 MODERATELY OCCUPIED TREES OBSERVED IN 2001. YOUNG GROWTH PSEUDOTSUGA MENZIESII AND SEQUOIA SEMPERVIRENS FOREST, IN OPEN TO MODERATELY OPEN SETTINGS.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	CDFW, Grizzly Creek	1220
38	SOUTH OF LARABEE CREEK, ALONG UNNAMED TRIBUTARY EAST OF DAUPHINY CREEK, EAST OF REDCREST. ALONG PRIVATE PAVED ROAD AT CREEK CROSSING.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 40)	23-May-2001	UNKNOWN NUMBER OF INDIVIDUALS SEEN IN 2001. THE RARE ASTRAGALUS AGNICIDUS AND MONTIA HOWELLII ALSO OCCUR NEARBY. IN CLOSED CANOPIED, MESIC SEQUOIA SEMPERVIRENS FOREST.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1500

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
39	WEST OF SHAW RANCH, 2.5 AIR MILES EAST OF CONFLUENCE OF SHAW AND LAWRENCE CREEKS, YAGER CREEK DRAINAGE. 2 COLONIES: WESTERN COLONY JUST EAST OF SHAW CREEK, MAPPED WITHIN THE SW 1/4 OF THE NW 1/4 OF SECTION 27. EASTERN COLONY JUST N OF UNMAPPED DIRT ROAD, MAPPED AT THE CENTER OF THE NW 1/4 OF SECTION 27.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 41)	19-Dec-2000	USNEA OCCUPIES REDWOOD WITH LESS THAN 10% CANOPY COVERED IN 2000. IN YOUNG GROWTH FOREST OF SEQUOIA SEMPERVIRENS, PSEUDOTSUGA MENZIESII, AND LITHOCARPUS DENSIFLORUS. CLASS II RIPARIAN AREA.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1800

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
40	0.6 MILE SSW OF SHAW RANCH, ON RIDGE BETWEEN NORTH FORK YAGER CREEK AND LAWRENCE CREEK. JUST EAST OF DIRT ROAD TO SHAWS RANCH. MAPPED IN SE1/4 OF SW1/4 SEC 27.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 42)	18-Apr-2001	USNEA FOUND IN TWO TAN OAK HOST TREES AND A DOUGLAS-FIR WITH NUMEROUS FRAGMENTS ON THE GROUND IN 2001. LOCATED IN A MESIC AREA DOMINATED BY SECOND GROWTH PSEUDOTSUGA MENZIESII AND REGENERATING LITHOCARPUS DENSIFLORUS (HOST TREE). UNDERSTORY IS SPARSE, DOMINATED BY VACCINIUM OVATUM, OXALIS OREGANA, AND POLYSTICHUM MUNITUM.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
41	EAST OF LAWRENCE CREEK, ABOUT 1 MILE ESE OF CONFLUENCE WITH SHAW CREEK, YAGER CREEK DRAINAGE. 3 COLONIES ALONG LOGGING ROAD. MAPPED WITHIN THE N 1/2 OF THE NE 1/4 OF SECTION 29.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 43)	9-Dec-2000	USNEA OCCUPIES REDWOOD WITH LESS THAN 1% COVER AND DOUGLAS-FIR WITH LESS THAN 10% CROWN COVERED IN 2000. IN SECOND GROWTH SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII. NO HARDWOODS PRESENT. AT MIDSLOPE FOREST EDGE.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
42	LAWRENCE CREEK CANYON, EAST OF THE CREEK ABOUT 1.3 AIR MILES SSE OF CONFLUENCE WITH SHAW CREEK, YAGER CREEK DRAINAGE. ABOVE LOWER LAWRENCE CREEK. ACCESS VIA ROAD N40.25. MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 32.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 44)	31-May-2001	USNEA OBSERVED ON 6 TREES IN 2001. FOUND ON PSEUDOTSUGA MENZIESII, SEQUOIA SEMEPRVIRENS, AND LITHOCARPUS DENSIFLORUS WITHIN A SECTION OF MATURE SECOND GROWTH DOUGLAS-FIR AND REDWOOD FOREST. SE FACING SLOPE, SANDY SOILS.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	880

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
43	YAGER CREEK, 0.25 MILE SOUTH OF CONFLUENCE WITH LAWRENCE CREEK, ENE OF HYDESVILLE. SOUTHERN SLOPE OF YAGER CREEK CANYON. MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 6.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 45)	4-Jan-2001	USNEA OCCUPIES A LITHOCARPUS DENSIFLORUS TREE WITH LESS THAN 10% CROWN COVERED. IN 150-200 YEAR OLD PSEUDOTSUGA MENZIESII STAND WITH YOUNGER SEQUOIA SEMPERVIRENS, PSEUDOTSUGA MENZIESII, AND LITHOCARPUS DENSIFLORUS UNDERSTORY.	TIMBER HARVEST ACTIVITIES, CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	440
44	ON A RIDGE ABOVE YAGER CREEK, 0.65 AIR MILE WSW OF CONFLUENCE WITH LAWRENCE CREEK, WNW OF HYDESVILLE. OFF ROAD N32.1010. MAPPED WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 8.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 46)	24-May-2001	FOUND ON TWO LARGE DOUGLAS-FIRS IN 2001. THE RARE LISTERA CORDATA ALSO OCCURS WITHIN THIS PROJECT AREA. 30% COVERAGE FOUND IN 2 LARGE SECOND GROWTH DOUGLAS-FIRS. FOUND NEAR PARTIALLY OVERGROWN LOG LANDING.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	760

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
45	SOUTH FORK YAGER CREEK, ABOUT 1.2 AIR MILES WNW OF REDWOOD HOUSE, EAST OF CARLOTTA. NORTH SLOPE OF SOUTH FORK YAGER CREEK CANYON. MAPPED WITHIN THE NE 1/4 OF THE SW 1/4 OF SECTION 23.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 47)	18-Jul-2000	LIVE GRAND FIR CONTAINED ABOUT 15% OF THE BULK OF POPULATION IN ONE CLUMP AT THE LOWER PORTION OF THE CROWN. OTHER GRAND FIR SNAG CONTAINED THE MAJORITY (85%) OF THE POPULATION, THROUGHOUT THE DEAD BRANCHES. LOCATED IN ABIES GRANDIS SNAG AND A LIVE ABIES GRANDIS IN A CLASS III DRAINAGE ON A SW ASPECT. OPENINGS FROM OLD ROAD NEARBY POPULATION. ADJACENT STAND IS MIXED COASTAL CONIFER WITH DBH RANGING FROM 12-24 INCHES.	TIMBER HARVEST ACTIVITIES, CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	2200

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46	HEAD OF CUMMINGS CREEK, 2.2 AIR MILES EAST OF REDWOOD HOUSE, VAN DUZEN RIVER DRAINAGE. 2 COLONIES MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 21.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 48)	28-Jun-2001	2 COLONIES LOCATED WITHIN 400 FEET OF EACH OTHER IN 2001. THE RARE LYCOPODIUM CLAVATUM OCCURS 1.3 MILE TO THE SOUTHEAST OF THIS POPULATION. DOMINANT SPECIES INCLUDE SEQUOIA SEMPERVIRENS, LITHOCARPUS DENSIFLORUS, PSEUDOTSUGA MENZIESII, GAULTHERIA SHALLON, AND POLYSTICHUM MUNITUM.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1960

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
47	UPPER HELY CREEK DRAINAGE, RIDGE BETWEEN HELY & S FORK YAGER CREEKS, 1.7 MI WSW OF REDWOOD HOUSE, VAN DUZEN DRAINAGE. 6 COLONIES MAPPED AS 4 POLYGONS BY CNDDB. MAPPED AT THE CENTER OF THE NW 1/4 OF SECTION 27 AND THE N 1/2 OF THE SW 1/4 OF SECTION 27.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 49)	28-Jun-2001	GENERALLY BETWEEN 5-30% COVERAGE OF USNEA ON ITS HOST TREES. SEVERAL DIFFERENT CLUSTERS SCATTERED THROUGHOUT A LARGE AREA FOR THIS PARTICULAR OCCURRENCE. THE RARE LYCOPODIUM CLAVATUM AND MONTIA HOWELLII ALSO OCCUR AT THIS LOCATION. DOMINANT SPECIES INCLUDE SEQUOIA SEMPERVIRENS, LITHOCARPUS DENSIFLORUS, PSEUDOTSUGA MENZIESII, GAULTHERIA SHALLON, AND POLYSTICHUM MUNITUM. NORTHERNMOST COLONY LOCATED IN CLOSE PROXIMITY TO A BOG (PROBABLY AN OLD LOG POND).	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1900

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
48	FRESHWATER CREEK, ABOUT 1.3 MILES SOUTH OF KNEELAND, NORTH OF WEST END OF BARRY RIDGE, NORTHWEST OF IAQUA BUTTES. SEVERAL COLONIES MAPPED ALONG CREEK. MAPPED IN THE SE 1/4 OF THE SE 1/4 OF SECTION 7 AND THE SW 1/4 OF SECTION 8.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 50)	5-Dec-2000	LARGE POPULATION OBSERVED IN 2000, WITH MULTIPLE HEAVILY OCCUPIED TREES ON EITHER SIDE OF FRESHWATER CREEK. IN SECOND GROWTH SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII FOREST, NEAR PROMINENT WATERCOURSE.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
49	BLACK CREEK CANYON, 0.65 AIR MILE NORTH OF KNEELAND ROAD AT BLACK CREEK, NORTHWEST OF IAQUA BUTTES. MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 9.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 51)	17-May-2000	IN 2000, USNEA WAS HEAVILY CONCENTRATED IN TWO BLACK OAK TREES AND SPREADING INTO NEIGHBORING TAN OAK AND DOUGLAS-FIR TREES. IN SECOND GROWTH PSEUDOTSUGA MENZIESII, ARBUTUS MENZIESII, AND LITHOCARPUS DENSIFLORUS. NEAR RIDGETOPS ON NW AND NE ASPECTS. QUERCUS KELLOGGII TREES ARE FOUND IN A MEADOW NEAR THE DOMINANT FOREST TYPES.	TIMBER HARVEST ACTIVITIES, CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	2080

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
50	HEAD OF BLACK CREEK, SOUTH OF KNEELAND ROAD, 0.25 AIR MILE ESE OF BLACK CREEK CROSSING, NORTHWEST OF IAQUA BUTTES. MAPPED AT THE SE 1/4 CORNER OF THE SE 1/4 OF SECTION 9 AND THE SW CORNER OF THE SW 1/4 OF SECTION 10.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 52)	17-May-2000	IN 2000, USNEA FOUND IN A BAY LAUREL TREE SURROUNDED BY A MEADOW. IN SECOND GROWTH PSEUDOTSUGA MENZIESII, ARBUTUS MENZIESII, AND LITHOCARPUS DENSIFLORUS. NEAR RIDGETOPS ON NW AND NE ASPECTS. QUERCUS KELLOGGII TREES ARE FOUND IN A MEADOW NEAR THE DOMINANT FOREST TYPES.	TIMBER HARVEST ACTIVITIES, CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1400

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
51	UPPER FRESHWATER CREEK DRAINAGE, 0.9 AIR MILE NORTHWEST OF RADIO TOWER ON BARRY RIDGE, SOUTH OF KNEELAND. 9 COLONIES MAPPED AS 3 POLYGONS BY CNDDB. ON BOTH SIDES OF TRIBUTARY TO FRESHWATER CREEK, IN OPENINGS CREATED BY PACIFIC LUMBER ROAD & NEAR WATERCOURSE. MAPPED WITHIN W 1/2 OF NW 1/4 SECTION 18 & NE 1/ 4 OF NE 1/4 SECTION 18.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 53)	5-Dec-2000	UNKNOWN NUMBERS OF USNEA SEEN IN 2000. OBSERVED ON MORE THAN 10 HOST TREES IN 2001, COVERAGE WAS 80-90%, THE GREATEST COVERAGE SEEN BY WEBER. HOST TREES WERE PSEUDOTSUGA MENZIESII, SEQUOIA SEMPERVIRENS, AND ALNUS RUBRA. IN SECOND GROWTH SEQUOIA SEMPERVIRENS/ PSEUDOTSUGA MENZIESII FOREST. FOUND ALONG OPENINGS CREATED BY ROAD AND NEAR WATERCOURSE.	TIMBER HARVEST ACTIVITIES, ROAD CONSTRUCTION.	PVT-PACIFIC LUMBER CO	1400

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
52	UPPER SOUTH FORK FRESHWATER CREEK, 1.5 AIR MILES SOUTHEAST OF RADIO TOWER ON BARRY RIDGE, SOUTH OF KNEELAND. 2 POLYGONS MAPPED ALONG CREEK. OFF N90 ROAD 1 OR 2 MILES NORTH OF JUNCTION WITH N LINE. MAPPED WITHIN THE SE 1/4 OF THE NW 1/4 AND THE S 1/2 OF THE NE 1/4 OF SECTION 19.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 54)	29-May-2001	USNEA SEEN IN 2001 ON 24 TREES, FIVE TREES HAD HEALTHY POPULATIONS OF USNEA. IN PREVIOUSLY HARVESTED TIMBER STANDS THAT ARE APPROXIMATELY 20 YEARS OLD. USNEA FOUND ON VACCINIUM OVATUM, BACCHARIS PILULARIS, PSEUDOTSUGA MENZIESII, LITHOCARPUS DENSIFLORUS, SEQUOIA SEMPERVIRENS, AND TSUGA HETEROPHYLLA.	BRUSHING BACK (FROM?) THE ROAD, TIMBER HARVEST.	PVT-PACIFIC LUMBER CO/ BLM	2100

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
53	SOUTH OF NORTH FORK ELK RIVER, 0.7 AIR MILE WEST TO 0.8 AIR MILE SOUTHWEST OF LOW GAP, WSW OF IAQUA BUTTES. 26 LOCATIONS MAPPED AS 6 POLYGONS BY CNDDB. ALONG ROADS N75.25, N75.09, AND N75.11. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 6 AND THE NW 1/4 OF SECTION 7.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 55)	2002XXXX	AT LEAST 26 LOCATIONS WITH AT LEAST ONE TREE WITH USNEA LONGISSIMA OBSERVED IN 2001. THE RARE LYCOPODIUM CLAVATUM, SIDLACEA MALACHROIDES, LILIUM KELLOGII ALSO OCCUR IN THIS AREA. UNKNOWN NUMBER OF INDIVIDUALS SEEN IN 2002. USNEA FOUND GROWING ON LITHOCARPUS DENSIFLORUS, PSEUDOTSUGA MENZIESII, AND SEQUOIA SEMPERVIRENS. STAND HAS BEEN LOGGED WITH FEW REDWOODS REMAINING.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
54	NORTH SIDE OF LAWRENCE CREEK, 0.5 MILE EAST OF LOW CAP, WSW OF IAQUA BUTTES. NORTH OF LAWRENCE CREEK AND SOUTH OF DIRT ROAD, OFF OF PRIVATE PAVED ROAD. MAPPED WITHIN THE NE 1/4 OF THE NW 1/4 OF SECTION 8.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 56)	8-Dec-2000	USNEA OCCUPIED 5 TREES ALONG LAWRENCE CREEK (THIS OCCURRENCE AND OCCURRENCE #57) IN 2000. USNEA OCCUPIED BETWEEN 10 AND 40 PERCENT OF THE CROWN OF EACH TREE. ONE INDIVIDUAL SEEN IN 2002, WITH LESS THAN 10% COVER IN AN ALNUS RUBRA TREE. IN YOUNG GROWTH SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII, WITH ALNUS RUBRA, ACER MACROPHYLLUM, AND LITHOCARPUS DENSIFLORUS. CLASS I DRAINAGE.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1100

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
55	LAWRENCE CREEK, ABOUT 0.5 MILE SSE OF LOW GAP, WSW OF IAQUA BUTTES. ON THE WEST SIDE OF LAWRENCE CREEK, EAST OF PAVED PRIVATE ROAD. MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 8.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 57)	1-Oct-2002	USNEA OCCUPIED 5 TREES ALONG LAWRENCE CREEK (THIS OCCURRENCE AND OCCURRENCE #56) IN 2000. USNEA OCCUPIED BETWEEN 10 AND 40 PERCENT OF THE CROWN OF EACH TREE. IN 2002, TWO LOW COVER CLASS OCCURRENCES OF USNEA SEEN. IN YOUNG GROWTH SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII, WITH ALNUS RUBRA, ACER, AND LITHOCARPUS DENSIFLORUS. CLASS I DRAINAGE.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1060

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
56	BOOTHS RUN AND BELL CREEKS, FROM CONFLUENCES WITH LAWRENCE CREEK UPSTREAM, WSW OF IAQUA BUTTES, VAN DUZEN DRAINAGE. MAPPED ALONG BOOTHS RUN IN SECTIONS 8, 9, AND 10 AND ALONG BELL CREEK IN SECTIONS 4, 9, 20, 29, AND 32. 2 LITTLE COLONIES ON LOWER TO MIDSLOPES ABOVE BOOTHS RUN, IN THE NE 1/4 OF THE SW 1/4 AND THE NW 1/4 OF THE SE 1/4 OF SECTION 9.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 58)	1-Oct-2002	USNEA PRESENT ALONG ENTIRE LENGTHS OF BOOTHS RUN CREEK AND BELL CREEK IN 2000. 3 INDIVIDUALS SOUTH OF BOOTHS RUN IN 2001. THE RARE SIDALCEA MALACHROIDES & LYCOPODIUM CLAVATUM ALSO OCCUR IN AREA. 346 SCATTERED INDIVIDUALS SEEN IN 2002. IN YOUNG GROWTH SEQUOIA SEMPERVIRENS & PSEUDOTSUGA MENZIESII, WITH ALNUS RUBRA, ACER MACROPHYLLUM, & LITHOCARPUS DENSIFLORUS. FOUND ON ALNUS RUBRA, NEAR PSEUDOTSUGA MENZIESII, PETASITES FRIGIDUS VAR. PALMATUS, & BACCHARIS PILULARIS IN 2001.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1400

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
57	NEAR TOP OF RIDGE BETWEEN BLUE SLIDE AND BLACK CREEKS, 1.7 AIR MILES WNW OF CONFLUENCE OF BLUE SLIDE WITH MAD RIVER. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 11.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 59)	4-Jun-2001	USNEA OBSERVED ON 6 HOST TREES IN 2001.LOCATE WITHIN MIXED EVERGREEN FOREST DOMINATED BY ARBUTUS MENZIESII, LITHOCARPUS DENSIFLORUS, PSEUDOTSUGA MENZIESII, UMBELLULARIA CALIFORNICA, VACCINIUM OVATUM, POLYSTICHUM MUNITUM, GAULTHERIA SHALLON, BERBERIS NERVOSA, ET AL.	TIMBER HARVEST ACTIVITIES; ROAD CONSTRUCTION.	PVT-PACIFIC LUMBER CO	1800

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
58	ASHFIELD RIDGE, NORTH OF MOUNTAIN VIEW ROAD, 1.6 AIR MILES SSW OF CONFLUENCE WITH BLUE SLIDE CREEK AND MAD RIVER. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 24.	Humboldt	Iaqua Buttes (4012368)	CNDDB, Jan. 2021 (EO 60)	12-Jul-2001	FOUND ON MORE THAN 30 PSEUDOTSUGA MENZIESII TREES IN 2001. THE RARE SIDALCEA OREGANA SSP. EXIMA OCCURS LESS THAT 0.5 MILE TO THE SOUTHWEST. DOMINANT SPECIES INCLUDE ARBUTUS MENZIESII, LITHOCARPUS DENSIFLORUS, UMBELLULARIA CALIFORNICA, ACER MACROPHYLLUM, AND PSEUDOTSUGA MENZIESII (HOST TREE). WITHIN CLOSE PROXIMITY TO A CLASS II CREEK AND NEAR A QUERCUS GARRYANA STAND.	TIMBER HARVESTING.	PVT-PACIFIC LUMBER CO	2600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
59	JEEP TRAIL ABOVE BEAR RIVER, 2.2 TO 2.4 AIR MILES SSE OF MT. PIERCE (MONUMENT PASS), SOUTH OF SCOTIA. FROM HWY 101, TAKE HONEYDEW EXIT WEST. TURN NORTH ON POLE LINE ROAD (SW OF BULL CREEK) & CONTINUE NORTH ALONG PALCO RD F. HEAD WEST ON ROAD F82 TO ROAD F82.19. FOUND BETWEEN 2 DRAINAGES OFF SPUR ROAD NORTH OF RD F82.19 & SOUTH OF RD F82.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 61)	27-Aug-2001	USNEA FOUND IN DOUG FIR, TAN OAK, AND MADRONE. "MOTHER LODE " COLONY OCCURS IN TAN OAK. OCCURRENCES ARE PRESENT IN APPROX 15 TREES RADIATING OUTWARD FROM "MOTHER LODE", AND ARE MODERATELY DENSE IN DISTRIBUTION IN NEARBY TREES. PSEUDOTSUGA MENZIESII/LITHOCARPUS DENSIFLORUS SERIES, WITH ARBUTUS MENZIESII. ASSOCIATES: OTHER USNEA SP., ALECTORIA, VACCINIUM OVATUM, GAULTHERIA SHALLON, PYROLA PICTA, VANCOUVERIA. SILT/LOAM SOIL, NW ASPECT, 5% SLOPE, 75% CANOPY COVER.	TIMBER HARVEST; REMOVAL OF HOST TREES COULD IMPACT DISPERSAL ABILITIES AND MICROCLIMATE.	PVT-PACIFIC LUMBER CO	2080

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
60	EASTERN SLOPE OF VAN CHOICK RIDGE, 3.8 AIR MILES SOUTHWEST OF BUCKEYE MOUNTAIN SUMMIT, NORTHWEST OF THE MATTOLE RIVER. 2 LOCATIONS MAPPED AS ONE POLYGON BY CNDDB IN THE SE 1/4 OF THE SE 1/4 OF SECTION 11.	Humboldt	Buckeye Mtn. (4012432)	CNDDB, Jan. 2021 (EO 62)	XXXXXXXX	USNEA OCCUPIED LESS THAN 1% CROWN COVER ON ONE DOUGLAS-FIR TREE AND LESS THAN 10% CROWN COVER AND A SECOND DOUGLAS-FIR TREE. WITH PSEUDOTSUGA MENZIESII, LITHOCARPUS DENSIFLORUS, AND ARBUTUS MENZIESII.	TIMBER HARVESTING, CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1920
61	BEAR CREEK, 0.5 MILE UPSTREAM FROM HIGHWAY 101, SOUTH OF PEPPERWOOD AND THE EEL RIVER. ON EAST SIDE OF BEAR CREEK. MAPPED WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 31.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 63)	25-May-2001	USNEA OBSERVED IN ONE TREE IN 2001.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
62	BEAR CREEK, 0.8-1.0 MILE UPSTREAM FROM HIGHWAY 101, SOUTH OF PEPPERWOOD AND THE EEL RIVER. 2 LOCATIONS MAPPED ON THE EAST SIDE OF BEAR CREEK. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 AND THE NW 1/4 OF THE SE 1/4 OF SECTION 31.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 64)	25-May-2001	USNEA OBSERVED IN TWO TREES IN 2001.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	200
63	NORTH OF NANNING CREEK, 1.7 AIR MILES EAST OF RIO DELL, EAST OF THE EEL RIVER. MAPPED JUST NORTH OF THE CENTER OF SECTION 4.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 65)	3-Aug-2001	USNEA OBSERVED ON FIVE TREES IN 2001. ON PSEUDOTSUGA MENZIESII IN MIXED FOREST DOMINATED BY SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII, WITH UNDERSTORY OF VACCINIUM OVATUM, RUBUS PARVIFLORUS AND POLYSTICHUM MUNITUM. ON WEST AND NORTHWEST SLOPES.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	500

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
64	NORTH OF UPPER NANNING CREEK, 2.7 AIR MILES EAST OF RIO DELL, EAST OF THE EEL RIVER. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 3.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 66)	3-Aug-2001	USNEA OBSERVED ON MORE THAN 8 TREES ON 2001, PRIMARILY ON PSEUDOTSUGA MENZIESII. THE RARE LYCOPODIUM CLAVATUM, SIDALCEA MALACHROIDES, AND LISTERA CORDATA ALSO OCCUR AT THIS SITE. IN SECOND OR THIRD GROWTH SEQUOIA SEMPERVIRENS FOREST WITH PSEUDOTSUGA MENZIESII AND SCATTERED ALNUS RUBRA (IN WATERCOURSE AREAS). CLOSED CANOPY. ON STEEP SLOPES.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1040

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
65	SOUTH OF UPPER NANNING CREEK, 3 AIR MILES EAST OF RIO DELL, EAST OF THE EEL RIVER. SEVERAL LOCATIONS MAPPED AS ONE POLYGON WIITHIN THE E 1/2 OF THE SE 1/4 OF SECTION 3.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 67)	2-Aug-2001	SEVERAL HOST TREES CONTAINING VARYING AMOUNTS OF USNEA OBSERVED IN 2001. THE RARE LYCOPODIUM CLAVATUM AND SIDALCEA MALCHROIDES ALSO OCCUR IN THIS AREA. IN MATURE (50-60 YEAR OLD) CLOSED CANOPIED MESIC REDWOOD FOREST WITH SCATTERED SEMI-OPENINGS. DOMINANT TREE SPECIES INCLUDE SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII, WITH ALNUS RUBRA COMMON IN WET OPENINGS.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1100

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
66	NANNING CREEK CANYON, 1.5 AIR MILES ENE OF SCOTIA, EAST OF THE EEL RIVER AND HIGHWAY 101. ON RIDGE BETWEEN TWO UNNAMED TRIBUTARIES TO LOWER NANNING CREEK. MAPPED NEAR THE TOP OF THE CENTER OF THE N 1/2 OF SECTION 9.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 68)	2002XXXX	FOUND IN ABOUT 7 PSEUDOTSUGA MENZIESII TREES (MOSTLY IN UPPER CANOPY). ONE VACCINIUM OVATUM CONTAINED ONE STRAND OF USNEA. THE RARE LYCOPODIUM CLAVATUM OCCURS AT THIS SITE. UNKNOWN AMOUNT OF USNEA SEEN IN 2002. IN REDWOOD FOREST WITH PSEUDOTSUGA MENZIESII, LITHOCARPUS DENSIFLORUS, AND RHODODENDRON MACROPHYLLUM IN THE UNDERSTORY. FOUND ON NE-FACING SLOPES, ON SANDY SOILS.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1040

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
67	RIDGE BETWEEN UPPER STITZ AND NANNING CREEKS, 3 MILES JUST ESE OF HIGHWAY 101 CROSSING OF THE EEL RIVER, EAST OF SCOTIA. MAPPED IN THE NE 1/4 OF THE NE 1/4 OF SECTION 10.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 69)	30-Sep-2000	USNEA OCCUPIES 1 PSEUDOTSUGA MENZIESII TREE WITH MORE THAN 40% CROWN COVER. IN 100-200 YEAR OLD SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII FOREST. ASPECT IS 330 DEGREES. NEAR CLASS II DRAINAGE.	TIMBER HARVEST ACTIVITIES, CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1100
68	NORTH OF UPPER STITZ CREEK, 2.8 AIR MILES NNE OF STAFFORD, EAST OF SCOTIA. ABOVE STITZ CREEK. MAPPED WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 12.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 70)	8-Jun-2001	USNEA OBSERVED AT ONE LOCATION IN 2001. THE RARE LISTERA CORDATA FOUND THROUGHOUT THE PROJECT AREA. ON SOUTH-FACING SLOPE, SANDY SOILS, FOUND WITHIN SEQUOIA SEMPERVIRENS FOREST.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
69	NEAR TOP OF RIDGE BETWEEN THE EEL RIVER & NANNING CREEK, 1.3 MILES NNW OF STAFFORD, APPROX 2 MILES EAST OF SCOTIA. ON UNNAMED TRIBUTARY OF THE EEL RIVER. SOUTHEAST ASPECT. MAPPED WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 15.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 71)	19-Apr-2001	USNEA WAS FOUND ON A SINGLE PSEUDOTSUGA MENZIESII TREE. THE OCCUPIED TREE IS 35" IN DIAMETER AND LOCATED AT THE TOP OF A NO CUT ZONE. IN SEQUOIA SEMPERVIRENS DOMINATED SITE WITH MINOR REPRESENTATIONS OF PSEUDOTSUGA MENZIESII, UMBELLULARIA CALIFORNICA, AND LITHOCARPUS DENSIFLORUS.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1480

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
70	UPPER MONUMENT CREEK AREA, FROM JUST SOUTH OF GIACOMINI PRAIRIE TO 0.6 MILE NORTH OF MT. PIERCE, SOUTH OF EEL RIVER. SEVERAL LOCATIONS MAPPED AS 10 POLYGONS. ON ROADS A55, A55.31, A55.3152, A55.34, AND A55.46. AREA CAN BE ACCESSED VIA MONUMENT ROAD, OR VIA STAFFORD ROAD EXIT. MAPPED WITHIN SECTIONS 30 AND 31.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 72)	16-Jul-2003	2-4 HOST TREES WITH 21-40% COVERAGE OF USNEA IN 2000. SEVERAL OCCURRENCES IN 2001. HOST TREES: ALDERS, TAN-OAKS, DOUGLAS-FIRS AND REDWOODS. SOME LARGE REDWOODS HAD DENSE OCCURRENCES OF USNEA. USNEA IN 2 HOST TREES IN 2002 AND 2003. IN SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII FOREST WITH LITHOCARPUS DENSIFLORUS IN UNDERSTORY. HOST TREES ARE 40-90 YEARS OLD.	TIMBER HARVEST ACTIVITIES, CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1700

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
71	WEST SIDE OF JORDAN CREEK, 0.1 - 0.5 MILE UPSTREAM FROM HIGHWAY 101 CROSSING, SOUTH OF THE EEL RIVER. JUST ABOVE THE EEL RIVER. 3 COLONIES MAPPED WITHIN THE SW 1/4 OF THE NW 1/4 AND THE NW 1/4 OF THE SW 1/4 OF SECTION 26.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 73)	18-Jun-2001	USNEA OBSERVED IN 2001. IN SECOND GROWTH SEQUOIA SEMPERVIRENS FOREST WITH SOME MATURE TREES PRESENT; CANOPY CLOSURE IS MODERATE TO HIGH. ON LARABEE SOILS, ON EAST FACING SLOPE JUST ABOVE THE EEL RIVER.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	400
72	JUST SOUTH OF HWY 101 & THE EEL RIVER, OPPOSITE ELINOR FLAT, 1.5 AIR MILES SE OF FLEISHER MEMORIAL BRIDGE, SE OF SCOTIA. SOUTH OF BEND IN ROAD JUST SOUTH OF HIGHWAY 101. MAPPED WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 23.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 74)	18-Jun-2001	USNEA OBSERVED IN 2001. IN SECOND GROWTH SEQUOIA SEMPERVIRENS FOREST WITH SOME MATURE TREES PRESENT; CANOPY CLOSURE IS MODERATE TO HIGH. ON LARABEE SOILS, ON EAST FACING SLOPE JUST ABOVE THE EEL RIVER.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	440

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
73	EASTERN SLOPE TWIN CREEK CANYON, 1.8 AIR MI SOUTH OF HWY 101 CROSSING OF THE EEL RIVER (FLEISHER BRIDGE), SSW OF SCOTIA. 4 COLONIES MAPPED AS 3 POLYGONS. CENTRAL COLONY JUST ABOVE TWIN CREEK, AND SOUTH COLONY IS ABOUT 400 FT UPSLOPE. MAPPED WITHIN THE N 1/3 OF THE NE 1/4 OF SECTION 33. NEW NORTH COLONY SEEN IN 2003 IN THE SE 1/4 OF SE 1/4 OF SECTION 28.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 75)	28-Oct-2003	3 USNEA INDIVIDUALS OBSERVED IN 2001 ON PSEUDOTSUGA MENZIESII AND ABIES GRANDIS. ONE INDIVIDUAL SEEN AT NEW NORTHERN COLONY IN 2003. IN PSEUDOTSUGA MENZIESII FOREST WITH CLOSED CANOPY, UNDERSTORY COMPRISED PRIMARILY OF SECOND GROWTH PSEUDOTSUGA MENZIESII AND SEQUOIA SEMPERVIRENS. SUBCANOPY IS LITHOCARPUS DENSIFLORUS AND UMBELLULARIA CALIFORNICA.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
74	BARKDULL PRAIRIE AND SURROUNDING AREA, RIDGE BETWEEN TWIN AND JORDAN CREEKS, SOUTH OF THE EEL RIVER AT STAFFORD. SEVERAL COLONIES MAPPED AS 10 POLYGONS BY CNDDB, MOSTLY WITHIN THE W 1/2 OF SECTION 34.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 76)	18-Jun-2001	IN 2000, 15-20+ HEAVILY OCCUPIED DOUGLAS-FIRS AND REDWOODS IN AREA. SEEN ON UNKNOWN NUMBER OF TREES IN 2001. THE RARE LILIUM RUBESCENS AND LATHYRUS GLANDULOSUS ALSO OCCUR AT THIS SITE. IN SECOND GROWTH PSEUDOTSUGA MENZIESII AND SEQUOIA SEMPERVIRENS WITH SCATTERED RESIDUAL OLD GROWTH.	TIMBER HARVESTING; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
75	HEADWATERS OF DINNER CREEK, NORTH OF MONUMENT ROAD, 4 AIR MILES SSE OF SCOTIA, SOUTH OF THE EEL RIVER. ON EAST SIDE OF CREEK, IN LARGE REDWOOD NEXT TO CREEK AND BELOW ROAD AT CREEK CROSSING IN THE CENTER OF SECTION 32. MAPPED JUST SOUTHEAST OF THE CENTER OF SECTION 32.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 77)	19-Apr-2001	SITE QUALITY NEAR DRAINAGE IS GOOD, WITH MORE DENSE OCCURRENCES IN HOST TRESS. OTHER USNEA SPECIES ASLO OCCUR IN AREA, HOWEVER LITTER FALL IN VICINITY AND SOME LOW-GROWING OCCURRENCES ENABLED POSITIVE IDENTIFICATION OF USNEA LONGISSIMA. LOCATED IN LARGE REDWOOD NEXT TO CREEK AND HAS SPREAD TO SURROUNDING TREES (LITHOCARPUS DENSIFLORUS AND PSEUDOTSUGA MENZIESII) AND VEGETATION. HOSTS IN CREEK ARE DENSE WITH USNEA. ASPECT IS NE.	TIMBER HARVEST ACTIVITIES; THREAT OF IMPACT BY REMOVAL OF HOST AND/OR ADJACENT TREES.	PVT-PACIFIC LUMBER CO	2360

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
76	NORTHEAST EDGE OF MONUMENT RIDGE, ABOUT 1 AIR MILE SOUTHWEST OF BARKDULL PRAIRIE, SSE OF SCOTIA AND THE EEL RIVER. ALONG ROADS A51.565569 AND A51. 5 COLONIES MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 33 AND THE N 1/2 OF THE NE 1/4 OF SECTION 4.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 78)	18-Jun-2001	SITE QUALITY ALONG ROAD POOR DUE TO REMOVAL OF LARGER, POTENTIALLY ORIGINAL HOST. OTHER USNEA SPECIES OCCUR IN AREA, HOWEVER LITTER FALL AND SOME LOW-GROWING OCCURRENCES ENABLED POSITIVE ID OF USNEA LONGISSIMA. ALONG ROAD, NEAR RECENTLY LOGGED AREAS. SOME DENSE CLUSTERS OF USNEA SIGHTED IN THE CANOPIES OF REDWOODS AND TAN-OAKS SITUATED IN A LARGE DRAINAGE AT THE END OF ROAD A51.5569.	TIMBER HARVEST ACTIVITIES; THREAT OF IMPACT BY REMOVAL OF HOST AND/OR ADJACENT TREES.	PVT-PACIFIC LUMBER CO	2360

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77	EASTERN END OF MONUMENT RIDGE, JORDAN CREEK HEADWATERS, 3 AIR MILES DUE SOUTH OF STAFFORD ROAD AT HIGHWAY 101. ALONG DIRT ROAD. MAPPED WITHIN THE (ESTIMATED) NW 1/4 OF THE SW 1/4 OF SECTION 3.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 79)	1-Aug-2000	OBSERVED IN 2-3 PSEUDTOTSUAGA MENZIESII TREES IN 2000. 10-20 % OF EACH CROWN WAS OCCUPIED BY USNEA. IN SECOND GROWTH SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII FOREST.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	2160

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78	NORTHWEST OF HARROW PRAIRIE, 2.5 AIR MILES SOUTH OF CONFLUENCE OF JORDAN CREEK AND THE EEL RIVER, SSE OF SCOTIA. SEVERAL COLONIES MAPPED NEAR THE CENTER OF SECTION 2, ON WESTERN SIDE OF UNNAMED TRIBUTARY TO JORDAN CREEK.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 80)	18-Apr-2001	IN 2000 AND 2001, USNEA IN OVERSTORY IN LARGE CLUMPS WITH LONG "TAILS". IN THE UNDERSTORY, THALLI ARE DISTRIBUTED IN DISCRETE STRANDS. FOUND IN LITHOCARPUS DENSIFLORUS UNDERSTORY AND IN LARGE RESIDUAL PSEUDOTSUGA MENZIESII AND SEQUOIA SEMPERVIRENS. ON SLOPES IN DRAWS AND ON RIDGES WITH A NORTHERLY ASPECT.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1700

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
79	SLOPE ABOVE PULLEN CREEK, 0.7 AIR MILE NORTH OF TURNER OPENING, SOUTH OF STAFFORD, BEAR RIVER DRAINAGE. SOUTH OF UNNAMED TRIBUTARY TO PULLEN CREEK. MAPPED WITHIN THE (ESTIMATED) NE 1/4 OF THE NW 1/4 OF SECTION 10.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 81)	20-Sep-2001	SEEN IN 2001. IN MATURE UPLAND REDWOOD FOREST DOMINATED BY PSEUDOTSUGA MENZIESII, LITHOCARPUS DENSIFLORUS, AND ARBUTUS MENZIESII. THE OPEN UNDERSTORY CONSISTS OF GAULTHERIA SHALLON, RUBUS PARVIFLORUS, BERBERIS, AND POLYSTICHUM MUNITUM.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2360

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
80	NORTH SLOPE OF BEAR RIVER RIDGE, HEADWATERS OF HOWE CREEK, SSW OF HACKETTSVILLE. SEVERAL COLONIES MAPPED MOSTLY WITHIN THE S 1/2 OF SECTION 16. ACCESS VIA MONUMENT ROAD. ELEVATION RANGES FROM 800 TO 1800 FEET.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 82)	12-Feb-2002	SEEN ON 100 TREES IN 2001. THE RARE PITYOPUS CALIFORNICUS, LATHYRUS GLANDULOSUS, PLEUROPOGON REFRACTUS, AND LISTERA CORDATA ALSO OCCUR IN THIS VICINITY. 96 INDIVIDUALS SEEN IN 2002 BETWEEN THIS OCCURRENCE AND OCCURRENCES #84 AND #191. FOUND IN MATURE MIXED CONIFER FOREST ON PSEUDOTSUGA MENZIESII, ABIES GRANDIS, LITHOCARPUS DENSIFLORUS, ACER MACROPHYLLUM, AND ON SOME SHRUBS SUCH AS VACCINIUM PARVIFOLIUM, V. OVATUM, HOLODISCUS DISCOLOR, AND GAULTHERIA SHALLON.	TIMBER HARVEST ACTIVITIES, ROAD MAINTENANCE TO IMPROVE ROAD FOR FUTURE LOGGING.	PVT-PACIFIC LUMBER CO	1300

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
81	HOWE CREEK DRAINAGE, 1.1 AIR MILES SOUTH OF HACKETSVILLE, NORTH OF BEAR RIVER RIDGE. NEAR JEEP TRAIL J20 ABOVE HOWE CREEK. MAPPED WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 15.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 83)	7-May-2001	OBSERVED IN 2001, NO POPULATION INFORMATION COLLECTED. THE RARE MONTIA HOWELLII AND SIDALCEA MALACHROIDES ALSO OCCUR AT THIS SITE.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1160

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
82	HOWE CREEK DRAINAGE, WEST OF MOORES PRAIRIE, 1.3-1.5 AIR MILES SSE OF HACKETSVILLE, NORTH OF BEAR RIVER RIDGE. SEVERAL COLONIES MAPPED WITHIN SE1/4 SEC 15.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 84)	12-Feb-2002	OBSERVED IN 2001; NO POPULATION INFORMATION COLLECTED. THE RARE MONTIA HOWELLII AND SIDALCEA MALACHROIDES ALSO OCCUR AT THIS SITE. 96 INDIVIDUALS SEEN IN 2002 BETWEEN THIS OCCURRENCE AND OCCURRENCES #82 AND #191. FOUND IN VERY OPEN SECOND GROWTH PSEUDOTSUGA MENZIESII/ABIES GRANDIS FOREST WITH SCATTERED THUJA PLICATA, LITHOCARPUS DENSIFLORUS, ARBUTUS MENZIESII, AND SEQUOIA SEMPERVIRENS.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1300

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
83	MONUMENT ROAD, 0.2-0.35 MILE NORTH OF FOREST HOME, SOUTH OF MOORES PRAIRIE, EASTERN EDGE OF BEAR RIVER RIDGE. "TRAINWRECK THP". FROM SCOTIA, TAKE MONUMENT RD TO J25, GO SW ON J25 UNTIL JCT WITH J25.12. GO SW ON J25.12 TO GATE AT PRIVATE RANCH. SITE SPANS 100 M FROM GATE, ALONG THE ROAD NORTHWARD, AND ABOUT 40 M EAST INTO UNIT 3 OF THP.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 85)	30-Jun-2001	MULTIPLE OCCURRENCES OBSERVED IN 2001 IN VARIABLE SUBSTRATES. OTHER LONG USNEA SPECIES FOUND IN THE SAME TREES, HOWEVER LITTERFALL AND ACCESSIBLE LICHENS ENABLED POSITIVE IDENTIFICATION OF USNEA LONGISSIMA. FOUND ON LITHOCARPUS DENSIFLORUS VAR. DENSIFLORUS, PSEUDOTSUGA MENZIESII VAR. MENZIESII, SEQUOIA SEMPERVIRENS, UMBELLULARIA CALIFORNICA, AND SURROUNDING VEGETATION.	TIMBER HARVEST ACTIVITIES; REMOVAL OF HOST AND ADJACENT TREES WOULD ELIMNATE DISPERSAL ABILITY OF SPECIES.	PVT-PACIFIC LUMBER CO	1500

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84	NORTHWEST TIP OF MONUMENT RIDGE, WEST OF MT. PIERCE ROAD, 3.2 AIR MILES NORTHEAST OF RAINBOW PEAK. WEST OF MT. PIERCE ROAD. 3 COLONIES MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 25 AND THE NW 1/4 OF THE NE 1/4 OF SECTION 36.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 86)	5-Jun-2002	USNEA OBSERVED IN 4 TREES IN 2001 REPRESENTED BY 3 POLYGONS. SEEN IN 60 TREES IN 2002: 28 TRACE COVER, 8 LOW COVER, 23 MODERATE COVER, AND 1 HIGH COVER. IN SECOND OR THIRD GROWTH PSEUDOTSUGA MENZIESII FOREST, SHRUB DOMINATED TO LIMITED HERBACEOUS COVER WITH HEAVY LEAF LITTER AND WOODY DEBRIS.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
85	UPPER PEAKED CREEK, 0.8 AIR MILE SOUTHEAST OF EAST POINT, SOUTH OF BEAR RIVER RIDGE. ON WEST SIDE OF PEAKED CREEK, ON BOTH SIDES OF UNMAPPED TRIBUTARY ABOUT 0.1-0.35 MILE UPSTREAM FROM PEAKED CREEK. MAPPED WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 4.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 87)	6-Oct-2000	IN 2000, SMALL FRAGMENTS OF USNEA FOUND IN SHRUB COMPONENT, AND LARGE GROUPS LOCATED NEAR CLASS I WATERCOURSE. FOUR DOUGLAS-FIR TREES LIKELY CONTAIN USNEA LONGISSIMA, HOWEVER IDENTITY NOT CONFIRMED. IN RIPARIAN AREA. STANDS WHERE USNEA IS LOCATED ARE PRIMARILY MATURE PSEUDOTSUGA MENZIESII, LITHOCARPUS DENSIFLORUS.	TIMBER HARVEST ACTIVITIES, CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1440

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
86	NORTH SLOPE OF LONG RIDGE, 1.5 AIR MILES SOUTHWEST TO WSW OF RAINBOW PEAK, UPPER NORTH FORK MATTOLE RIVER DRAINAGE. NORTH OF "J" JEEP TRAIL. SEVERAL COLONIES MAPPED WITHIN THE SS 1/2 AND THE NW 1/4 OF SECTION 16. TRACE OCCURRENCES OF USNEA ALSO FOUND TO THE WEST IN SECTION 17, NEED MAP DETAIL.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 88)	26-Jun-2003	IN 2000, USNEA IN ONE TREE WITH SMALL FRAGMENTS FOUND IN SURROUNDING SMALLER TAN OAKS. IN 2001 USNEA COVERED APPROX 25% OF THE CROWN OF DOUGLAS-FIR THROUGHOUT VICINITY. 60 INDIVIDUALS SEEN IN 2002 AND 5 IN 2003. IN DOUGLAS-FIR FOREST WITH OLD GROWTH INDICATORS, SOME 100-200 YEAR OLD TREES. OTHER USNEA SPECIES ARE INTERSPERSED WITH U. LONGISSIMA, SO DIFFICULT TO QUANTIFY COVERAGE OF JUST U. LONGISSIMA.	TIMBER HARVEST ACTIVITIES, CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1300

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
87	SHAW CREEK, 1 MILE WNW OF SHAWS RANCH, EAST OF LAWRENCE CREEK, YAGER CREEK DRAINAGE. ON THE WEST SIDE OF UPPER SHAW CREEK. MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 21.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 89)	3-Jan-2001	IN 2001 USNEA LONGISSIMA OCCUPIES ONE REDWOOD, COVERING 21-40% OF THE CROWN. HABITAT IS RIPARIAN DRAINAGE WITH SEQUOIA SEMPERVIRENS, PSEUDOTSUGA MENZIESII AND YOUNG GROWTH SEQUOIA SEMPERVIRENS. ASPECT IS 180 DEGREES.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	1160
88	HEADWATERS OF COOPER MILL CREEK, 1.5 AIR MILES WEST OF BLANTON PRAIRIE, NORTH OF CARLOTTA AND THE VAN DUZEN RIVER. 3 COLONIES MAPPED NEAR THE TOP OF HILL BETWEEN UPPER COOPER MILL, SALMON, AND STRONGS CREEKS.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 90)	22-Nov-2002	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED IN 2001. USNEA FOUND IN 3 TREES IN 2002; 1 CLASS C (MODERATE COVER) AND 1 CLASS A (TRACE COVER).	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1160

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89	HEAD OF ALLEN CREEK, 1.9 AIR MILES NORTH OF CONFLUENCE WITH YAGER CREEK, 0.5 MI SW OF BLANTON PRAIRIE, NNE OF CARLOTTA. 2 SITES MAPPED WITHIN THE S 1/2 OF THE NW 1/4 OF SECTION 35.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 91)	19-Jul-2001	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED IN 2001. FOUND ON SEQUOIA SEMPERVIRENS, LITHOCARPUS DENSIFLORUS, AND PSEUDOTSUGA MENZIESII. UNDERSTORY IS CORTADERIA JUBUTA, BACCHARIS PILULARIS, POLYSTICHUM MUNITUM, AND IRIS DOUGLASII.	TIMBER HARVEST ACTIVITIES, ROAD BUILDING.	PVT-PACIFIC LUMBER CO	1690
90	EAST SIDE UPPER ALLEN CREEK CANYON, 1.6 MILES UPSTREAM FROM CONFLUENCE WITH YAGER CREEK, NNE OF CARLOTTA. ONE SITE JUST WEST OF ROAD. MAPPED WITHIN THE NE 1/4 OF THE SW 1/4 OF SECTION 35.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 92)	19-Jul-2001	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED IN 2001. FOUND ON SEQUOIA SEMPERVIRENS, LITHOCARPUS DENSIFLORUS, AND PSEUDOTSUGA MENZIESII. UNDERSTORY IS CORTADERIA JUBUTA, BACCHARIS PILULARIS, POLYSTICHUM MUNITUM, AND IRIS DOUGLASII.	TIMBER HARVEST ACTIVITIES, ROAD BUILDING.	PVT-PACIFIC LUMBER CO	1680

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
91	EASTERN ALLEN CREEK CANYON, 0.8 - 1.2 MILES UPSTREAM FROM CONFLUENCE WITH YAGER CREEK, NNE OF CARLOTTA. 6 SITES MAPPED AS 4 POLYGONS WITHIN THE E 1/2 OF THE NW 1/4 OF SECTION 2.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 93)	19-Jul-2001	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED IN 2001. FOUND ON SEQUOIA SEMPERVIRENS, LITHOCARPUS DENSIFLORUS, AND PSEUDOTSUGA MENZIESII. UNDERSTORY IS CORTADERIA JUBUTA, BACCHARIS PILULARIS, POLYSTICHUM MUNITUM, AND IRIS DOUGLASII.	TIMBER HARVEST ACTIVITIES, ROAD BUILDING.	PVT-PACIFIC LUMBER CO	1680

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
92	ALONG PRIVATE ROAD ABOVE COOPER MILL CREEK, 1.7 AIR MILES SOUTHWEST OF BLANTON PRAIRIE, NORTH OF CARLOTTA. 7 SITES ON BOTH SIDES OF PRIVATE ROAD WEST OF COOPER MILL CREEK, MOSTLY EAST OF ROAD. MAPPED WITHIN THE NE 1/4 OF SECTION 3 AND THE NW 1/4 OF THE NW 1/4 OF SECTION 2.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 94)	27-Oct-2002	5 INDIVIDUALS SEEN AT THIS SITE BY LESTER AT UNKNOWN DATE. IN 05/02 USNEA FOUND IN 17 TREES: 7 CLASS A (TRACE), 2 CLASS B (LOW), 7 CLASS C (MODERATE) & 1 CLASS D (HIGH). IN 10/02 USNEA FOUND IN 11 TREES: 4 CLASS A, 3 CLASS B & 4 CLASS C. PREDOMINANTLY YOUNG SEQUOIA SEMPERVIRENS FOREST WITH SCATTERED PSEUDOTSUGA MENZIESII AND ABIES GRANDIS. SHRUB LAYER IS DENSE AND COMPOSED OF CEANOTHUS THRYSIFLORUS, RUBUS SPP., VACCINIUM OVATUM, AND CORTADERIA JUBATA.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
93	WEST SLOPE OF LOWER BLANTON CREEK CANYON, ABOUT 0.4-1.0 AIR MILES WEST OF CONFLUENCE WITH YAGER CREEK, NNE OF CARLOTTA. 11 COLONIES MAPPED AS 8 POLYGONS. ON WESTERN SLOPES ABOVE BLANTON CREEK, ALONG LOGGING ROADS. MAPPED WITHIN THE SW 1/4 OF SECTION 1, THE SE 1/4 OF THE SE 1/4 OF SECTION 2, AND THE NW 1/4 OF SECTION 12.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 95)	2001XXXX	SEEN ON MORE THAN 55 TREES IN 2001. IN REDWOOD FOREST WITH SOME PSEUDOTSUGA MENZIESII, ABIES GRANDIS, LITHOCARPUS DENSIFLORUS, UMBELLULARIA CALIFORNICA, ALNUS RUBRA, AND SALIX SPP. OCCUPIED TREES LOCATED ON MOSTLY E-FACING SLOPES, ON RIDGE, AND A FEW ON W-FACING SLOPES.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
94	NORTH SIDE OF YAGER CREEK, 0.2 MILE DOWNSTREAM FROM ALLEN CREEK, NNE OF CARLOTTA. ON NORTH SIDE OF CREEK, NORTH OF PRIVATE ROAD. MAPPED WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 10.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 96)	4-Jan-2001	IN 2001 USNEA FOUND IN ONE PSEUDOTSUGA MENZIESII TREE, COVERING LESS THAN 10% OF THE CROWN. IN YOUNG GROWTH PSEUDOTSUGA MENZIESII AND ACER MACROPHYLLUM. ASPECT IS 180 DEGREES. IN CLASS I DRAINAGE.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	300
95	NORTH SIDE OF YAGER CREEK, ABOUT 0.5 MILE UPSTREAM FROM ALLEN CREEK, NNE OF CARLOTTA. ON THE NORTH SIDE OF YAGER CREEK. MAPPED JUST NORTH OF THE CENTER OF SECTION 11.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 97)	3-Jan-2001	IN 2001 USNEA OCCUPIED TWO PSEUDOTSUGA MENZIESII TREES, COVERING 21-40% OF ONE CROWN AND 10-20% OF THE OTHER CROWN. IN YOUNG GROWTH PSEUDOTSUGA MENZIESII, SEQUOIA SEMPERVIRENS AND ACER MACROPHYLLUM. ASPECT IS 153 DEGREES.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	300

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96	YAGER CREEK, ABOUT 0.9 MILE DOWNSTREAM FROM BLANTON CREEK, NORTHEAST OF CARLOTTA. BETWEEN YAGER CREEK AND PRIVATE PAVED ROAD. MAPPED WITHIN THE NE 1/4 OF THE SW 1/4 OF SECTION 12.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 98)	4-Jan-2001	IN 2001 USNEA OCCUPIED A GRAND FIR WITH 21-40% CROWN COVERED. HABITAT IS SEQUOIA SEMPERVIRENS OVERSTORY WITH PSEUDOTSUGA MENZIESII AND SEQUOIA SEMPERVIRENS UNDERSTORY. ASPECT IS 300 DEGREES. ON EDGE OF CLASS I RIPARAIN ZONE.	TIMBER HARVEST ACTIVITIES; CANOPY CLOSURE.	PVT-PACIFIC LUMBER CO	340

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97	HEADWATERS OF WILSON CREEK, 2.8 AIR MILES NORTHEAST OF CONFLUENCE WITH YAGER CREEK, NORTHEAST OF CARLOTTA. IN 50 FEET TALL STANDING DEAD TREE. MAPPED WITHIN THE SW 1/4 OF SW 1/4 OF SECTION 13.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 99)	23-Apr-2001	IN 2001 USNEA OCCUPIED ONE DEAD TREE. LARGE DRAPED CLUMPS OF THALLI PRESENT IN ADDITION TO LONG PENDULOUS INIDVIDUAL THALLII. THE RARE LISTERA CORDATA AND PLEUROPOGON REFRACTUS ALSO OCCUR AT THIS SITE. IN SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH LARGE BRUSHY COMPONENT OF GAULTHERIA SHALLON, RUBUS URSINUS, AND R. SPECTABILUS. CANOPY COVER IS 60-80%, ASPECT 10 DEGREES, SLOPE 40%. USNEA LONGISSIMA FOUND ON STANDING DEAD TREE.	TIMBER HARVEST ACTIVITIES, THP WILL IMPACT LIGHTAND MOISTURE REGIMES. UNKNOWN IF USNEA WILL PERSIST WITH NEW CONDITIONS.	PVT-GREEN DIAMOND RESOURCE CO	1380

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98	HEADWATERS OF GRAHAM GULCH, 2.8 AIR MILES ESE OF FRESHWATER, ESE OF EUREKA, FRESHWATER CREEK DRAINAGE. ALONG MAIN HAUL ROAD ON NORTHWEST FACING SLOPE AT THE TOP OF A BROAD RIDGE ABOVE GRAHAM GULCH HEADWATERS. MAPPED WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 12.	Humboldt	Arcata South (4012471)	CNDDB, Jan. 2021 (EO 100)	13-Apr-2001	TWO OCCUPIED TREES NOTED IN 2001; MORE HEAVILY OCCUPIED TREE IS A DOUGLAS-FIR ON THE EDGE OF AN OLD LANDING. IN SECOND GROWTH SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH VACCINIUM OVATUM, RUBUS PARVIFLORUS, AND POLYSTICHUM MUNITUM DOMINANT. ON NORTHWEST FACING SLOPE AT TOP OF A BROAD RIDGE ABOVE WATERCOURSE HEADWATERS, ALONG ROADSIDE.	TIMBER HARVESTING.	PVT-PACIFIC LUMBER CO	1320

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
99	SOUTH FORK FRESHWATER CREEK DRAINAGE, 2.7 AIR MILES SOUTHEAST OF CONFLUENCE WITH FRESHWATER CREEK, SOUTHWEST OF EUREKA. ALONG LOGGING ROAD. MAPPED WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 19.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 101)	29-May-2001	IN 2001, 24 OCCUPIED TREES AND SHRUBS OBSERVED BETWEEN THIS OCCURRENCE AND OCCURRENCE #54. THE RARE LATHYRUS GLANDULOSUS AND LYCOPODIUM CLAVATUM ALSO OCCUR AT THIS SITE. IN PREVIOUSLY HARVESTED TIMBER STANDS THAT ARE APPROXIMATELY 20 YEARS OLD. USNEA FOUND ON VACCINIUM OVATUM, BACCHARIS PILULARIS, PSEUDOTSUGA MENZIESII, LITHOCARPUS DENSIFLORUS, SEQUOIA SEMPERVIRENS, AND TSUGA HETEROPHYLLA.	TIMBER HARVEST; BRUSHING BACK (FROM?) THE ROAD.	PVT-PACIFIC LUMBER CO	1840

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100	SOUTH BRANCH NORTH FORK ELK RIVER, ABOUT 0.2 MILE UPSTREAM FROM CONFLUENCE WITH NORTH FORK, SOUTHEAST OF EUREKA. ON WEST SIDE OF CREEK. FOUND ALONG A 300 FOOT SECTION OF LOGGING ROAD U46.1980. MAPPED WITHIN THE NE 1/4 OF THE NW 1/4 OF SECTION 2.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 102)	25-May-2001	IN 2001, TWO LARGE STANDS AND 2-10 SCATTERED LICHENS OBSERVED. LICHEN GROWS ON PSEDUOTSUGA MENZIESII AND SECOND GROWTH SEQUOIA SEMPERVIRENS ALONG ROADSIDE. THE LARGEST STAND OF USNEA LONGISSIMA IS ON A SECOND GROWTH SEQUOIA SEMPERVIRENS APPROXIMATELY 60 FEET FROM THE RIVER.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	520

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
101	NORTH SLOPE UPPER SOUTH FORK ELK RIVER CANYON, 2.5 AIR MILES ESE OF CONFLUENCE WITH LITTLE SOUTH FORK, SE OF EUREKA. ON UNMAPPED, UNNAMED TRIBUTARY TO SOUTH FORK ELK RIVER. MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 3.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 103)	5-Jun-2001	IN 2001, USNEA FOUND ON ONE SALIX TREE/SHRUB, AN UNUSUAL SUBSTRATE. THALLIA WERE LESS THAN 25 CM LONG, AND A MAXIMUM OF TEN THALLI WERE PRESENT. THE RARE SIDALCEA MALACHROIDES ALSO OCCURS AT THIS SITE. ADJACENT TO CLASS III WATERCOURSE IN PSEUDOTSUGA MENZIESII / SEQUOIA SEMPERVIRENS FOREST. ON SALIX SPP, WHICH IS AN UNUSUAL SUBSTRATE FOR USNEA LONGISSIMA.	TIMBER HARVEST ACTIVITIES, ROAD CONSTRUCTION.	PVT-PACIFIC LUMBER CO	880

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
102	SOUTH SIDE UPPER SOUTH FORK EEL RIVER CANYON, 3.4 AIR MILES SE OF CONFLUENCE WITH LITTLE SOUTH FORK, SE OF EUREKA. WEST OF ELKHEAD SPRINGS. MAPPED WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 15 AND THE SE1/4 SEC 10.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 104)	25-Jul-2002	IN 2001, USNEA OBSERVED AT ONE LOCATION. THE RARE LYCOPODIUM CLAVATUM AND LISTERA CORDATA ALSO OCCUR IN THIS VICINITY. USNEA OCCUPIED 4 TREES IN 2002: 2 LOW COVER AND 2 MODERATE COVER TREES. IN REDWOOD FOREST. NORTHEAST ASPECT.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1320

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
103	NORTH SIDE UPPER SOUTH FORK EEL RIVER CANYON, 3.7 AIR MILES ESE OF CONFLUENCE WITH LITTLE SOUTH FORK, SE OF EUREKA. JUST NORTH OF UNNAMED TRIBUTARY TO THE SOUTH FORK EEL RIVER, NORTH OF ELKHEAD SPRINGS. MAPPED WITHIN THE NE 1/4 OF THE NW 1/4 OF SECTION 14.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 105)	17-Apr-2001	IN 2001, USNEA OBSERVED AT ONE LOCATION. THE RARE LYCOPODIUM CLAVATUM AND LISTERA CORDATA ALSO OCCUR IN THIS VICINITY. IN REDWOOD FOREST. NORTHEAST ASPECT.	TIMBER HARVEST ACTIVITIES.	CDFW Headwaters Forest Reserve	1000

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
104	SALMON CREEK DRAINAGE, EAST FACING SLOPES ABOVE STRONGS CREEK, 5.2 AIR MILES JUST SSE OF ELK RIVER SCOUT CAMP. ONE SITE OFF OF ROAD R47.01 NEAR INTERSECTION WITH R31. MAPPED WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 19.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 106)	15-Jun-2001	USNEA OBSERVED IN ONE TREE IN MAY 2001. EXTENT OF POPULATION UNKNOWN IN JUNE 2001. THE RARE LYCOPODIUM CLAVATUM ALSO OCCURS AT THIS SITE. IN CLOSED CANOPY SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII FOREST WITH AN UNDERSTORY LAYER OF PRIMARILY POLYSTICHUM MUNITUM, GAULTHERIA SHALLON, AND VACCINIUM.	TIMBER HARVEST ACTIVITIES.	CDFW Headwaters Forest Reserve	1400

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
105	WEST OF THE KLAMATH RIVER, ABOUT 1 MILE WEST OF BLUE CREEK LODGE (SITE), 2 MILES NORTH OF REDWOOD NATIONAL PARK. ON WEST SIDE OF RIDGELINE IN COASTAL HILLS, ON PRIVATE TIMBERLANDS. MAPPED AS THE NE 1/4 OF THE NE 1/4 OF SECTION 16.	Humboldt	Ah Pah Ridge (4112348)	CNDDB, Jan. 2021 (EO 107)	20-Jul-2001	9 INDIVIDUALS OBSERVED IN 2001. THE SOURCE TREE IS A 30" DBH DOUGLAS-FIR. MOST THALLI ARE LESS THAN 40 CM LONG. AT LEAST 2 OTHER PENDULOUS USNEA SPECIES ARE PRESENT AT THIS SITE. IN MIXED DOUGLAS-FIR / TANOAK FOREST WITH OCCASIONAL COAST REDWOOD AND GIANT CHINQUAPIN. MOST DOUG-FIR TREES SMALLER THAN 8" DBH, WITH SCATTERED RESIDUAL TREES 20-40" DBH. DENSE UNDERSTORY OF GAULTHERIA SHALLON AND VACCINIUM OVATUM.	TIMBER HARVESTING ACTIVITIES THAT CAUSE CHANGES IN LIGHT/MOISTURE REGIME.	PVT-GREEN DIAMOND RESOURCE CO	1550

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
106	SOUTH OF ANNAPOLIS ROAD, 1.5 AIR MILE ESE OF ANNAPOLIS, RIDGE BETWEEN FULLER & GRASSHOPPER CREEKS. 2 COLONIES SOUTH OF ANNAPOLIS ROAD. MAPPED WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 18.	Sonoma	Annapolis (3812363)	CNDDB, Jan. 2021 (EO 108)	7-Nov-2001	40 TO 50 INDIVIDUALS OBSERVED IN 2001. FOUND IN OLD GROWTH QUERCUS LOBATA TREE, AND IN APPLE TREE. HABITAT IS OAK WOODLAND AND OLD ORCHARD.	DEVELOPMENT, VINEYARD CONVERSION.	PVT-ARTESA VINEYARDS	800
107	JORDAN CREEK DRAINAGE, 1.2 AIR MILES NORTHWEST OF HARROW PRAIRIE, SOUTH OF THE EEL RIVER. 3 COLONIES EAST OF TRIBUTARY TO JORDAN CREEK. MAPPED WITHIN THE E 1/2 OF THE NE 1/4 OF SECTION 3.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 109)	XXXXXXXX	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 2001 MAP FROM PACIFIC LUMBER.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1400

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
108	NORTH SIDE OF LARABEE CREEK, JUST UPSTREAM OF BALCOM CREEK, EAST OF REDCREST AND THE EEL RIVER. IN LANDING NEXT TO CREEK. MAPPED WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 1.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 110)	11-Jul-2001	IN 2001 USNEA WAS MODERATELY WELL DISTRIBUTED THROUGHOUT ONE OAK TREE AND COVERED 15% OF THE CROWN. GROWING IN QUERCUS SPP. IN LANDING NEAR CREEK; RESTRICTED TO ONE TREE.	DISTURBED BY HEAVY EQUIPMENT TRAFFIC. ROAD MAINTENANCE IS ALSO A THREAT.	PVT-PACIFIC LUMBER CO	150
109	ALONG HAUL ROAD JUST OFF HIGHWAY 1, DUE WEST OF JUNCTION WITH WESTSIDE ROAD, NORTH OF HALES GROVE. ALONG M&M HAUL ROAD. MAPPED WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 19.	Mendocino	Hales Grove (3912377)	CNDDB, Jan. 2021 (EO 111)	20-Jul-2001	15 INDIVIDUALS OBSERVED DURING CURSORY SURVEY IN 2001; AREA NEEDS MORE INTENSIVE SURVEY. LICHEN IS IN LONG STRANDS BUT NOT VERY DENSE. IN SECOND GROWTH DOUGLAS-FIR, WITH FRAGMENTS ON UNDERSTORY SHRUBS INCLUDING ARCTOSTAPHYLOS SPP, VACCINIUM SPP, AND CEANOTHUS SPP.	TIMBER HARVEST ACTIVITIES, HIGHWAY TRAFFIC.	PVT-CAMPBELL TIMBER MGMT	1100

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
110	SOUTH SLOPE LOWER RED MOUNTAIN CREEK CANYON, 0.9 AIR MILE ESE OF CONFLUENCE OF RED MOUNTAIN CREEK WITH THE EEL RIVER. NEAR A HAUL ROAD ON UPPER NORTH SLOPE OF RIDGE BETWEEN RED MOUNTAIN CREEK AND BRIDGES CREEK. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 16.	Mendocino	Noble Butte (3912386)	CNDDB, Jan. 2021 (EO 112)	8-May-2002	LICHEN OBSERVED ON 3 HOST TREES IN 2002. CURRENT HARVEST PLAN CALLS FOR PARTIAL CANOPY REMOVAL; SOME NEARBY TREES WILL REMAIN. APPROXIMATELY 3 LITHOCARPUS DENSIFLORUS TREES ARE FESTOONED WITH THE LICHEN. THE TREES ARE 20 FEET DOWNHILL OF A HAUL ROAD. SURROUNDING CANOPY IS PARTIALLY OPEN. ASSOCIATED SPECIES INCLUDE DOUGLAS-FIR AND CANYON LIVE OAK.	TIMBER HARVEST ACTIVITIES. LAND OWNER HAS AGREED TO AVOID THE LICHENS AND LIMIT HERBICIDE USE TO NO CLOSER THAN 100 FT.	PVT-COOMBS TREE FARM	1680

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
111	SOUTH SLOPE OAK RIDGE, CHALK MOUNTAINS, HEADWATERS OF SMITH CREEK, 2 AIR MILES SOUTH OF PEPPERWOOD FALLS. NEAR SPRINGS AND WATER TANK AT TOP OF RIDGE. NEAR JUNCTION OF ROADS E17 AND E17.595, IN A GRASSY FIELD NEAR THE OLD CHALK MOUNTAIN CABIN. MAPPED AT THE CENTER OF THE EASTERN 1/2 OF SECTION 29.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 113)	11-Jul-2001	IN 2001 USNEA WAS ABUNDANT IN ONE APPLE TREE. IN A MALUS SYLVESTRIS TREE IN A GRASSY FIELD.	TIMBER HARVEST ACTIVITIES AND ROAD USE/MAINTENANCE.	PVT-PACIFIC LUMBER CO	2450

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
112	WEST SLOPE OF UPPER SMITH CREEK CANYON, 2.4 AIR MILES SSW OF PEPPERWOOD FALLS ON THE VAN DUZEN RIVER, CHALK MOUNTAINS. ON THE SOUTH SIDE OF ROAD E17.54 NEAR THE JUNCTION WITH ROAD E17. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 29.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 114)	11-Jul-2001	IN 2001 4 OCCURRENCES OF USNEA LONGISSIMA OBSERVED AT THIS LOCATION. LICHEN FOUND IN A SMALL SEQUOIA SEMPERVIRENS TREE AND ALSO IN THE UNDERSTORY OF A NEARBY STAND OF PSEUDOTSUGA MENZIESII.	TIMBER HARVEST ACTIVITIES AND ROAD USE/MAINTENANCE.	PVT-PACIFIC LUMBER CO	1840

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
113	EAST SLOPE OF UPPER SMITH CREEK CANYON, 2.5 AIR MILES SOUTH OF PEPPERWOOD FALLS ON THE VAN DUZEN RIVER, CHALK MOUNTAINS. 2 COLONIES MAPPED ALONG ROAD E17.54 ABOUT 0.5 MILE EAST OF JCT WITH ROAD E17. FIRST COLONY IS AT THE EASTERN BORDER OF A CLEARCUT AT A CLASS II CREEK CROSSING, SECOND COLONY IS FURTHER ALONG THE ROAD WHERE IT BENDS TO THE SOUTHEAST.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 115)	9-Oct-2002	IN 2001 USNEA WAS IN HIGH ABUNDANCE AT NORTHERN COLONY AND 35 INDIVIDUALS OBSERVED AT SOUTHERN COLONY. 20 INDIVIDUALS SEEN IN 2002. TRACE TO MODERATE COVER. OVERSTORY IS DENSE SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII WITH AN UNDERSTORY OF LITHOCARPUS DENSIFLORUS VAR. DENSIFLORUS AND VACCINIUM OVATUM.	TIMBER HARVEST ACTIVITIES AND ROAD USE/MAINTENANCE.	PVT-PACIFIC LUMBER CO	1680

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
114	JUST EAST OF THE MONTGOMERY WOODS STATE RESERVE, 0.5 AIR MILE WNW OF ORRS SPRINGS, SOUTH OF THE SOUTH FORK BIG RIVER. MAPPED WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 23.	Mendocino	Orrs Springs (3912323)	CNDDB, Jan. 2021 (EO 119)	3-Jul-2002	ACCORDING TO C. GOLEC, ONE SMALL DIAMETER MATURE DOUGLAS-FIR TREE IS LIGHTLY COVERED BY USNEA LONGISSIMA. SITE NEEDS ADDITIONAL FIELD CHECKING. IN MATURE UPLAND DOUGLAS-FIR FOREST, ON ROCKY NORTH-FACING SLOPE.	TIMBER HARVEST ACTIVITIES.	PVT	1280
115	SOUTH OF THE ALBION RIVER, 0.5 AIR MILE EAST OF THE LAGOON, NORTH OF ELK. MAPPED MOSTLY WITHIN THE SW 1/4 OF THE NW 1/4 OF SECTION 23.	Mendocino	Elk (3912326)	CNDDB, Jan. 2021 (EO 120)	2-Jul-2002	APPROXIMATELY 20 INDIVIDUALS OBSERVED IN 2002. POPULATIONS OF THIS SPECIES ARE PROTECTED UNDER A THP APPROVED IN THIS AREA ACCORDING TO ANDERSON. IN SECOND GROWTH REDWOOD AND DOUGLAS-FIR FOREST.	TIMBER HARVEST ACTIVITIES.	PVT-MENDOCINO REDWOOD CO	440

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
116	MIDDLE CAT CAMP, WEST SLOPE OF CANYON OF UNNAMED TRIBUTARY TO SALMON CREEK, HEADWATERS FOREST RESERVE, NNE OF CARLOTTA. HEADWATERS MCP PLOT. ON WEST SLOPE OF CANYON OF UNNAMED TRIBUTARY TO SALMON CREEK. MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 27.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 121)	1999XXXX	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED DURING SURVEYS BETWEEN AUTUMN 1999 AND SUMMER 2000. IN GENERAL USNEA LONGISSIMA WAS WIDESPREAD BUT SPARSE, OFTEN OCCURRING ON THE BRANCHES OF A SINGLE TREE. SEQUOIA SEMPERVIRENS-LITHOCARPUS DENSIFLORUS FOREST. ASSOCIATES INCLUDE VACCINIUM OVATUM, GAULTHERIA SHALON, AND POLYSTICHUM MUNITUM.		CDFW Headwaters Forest Reserve	1750

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
117	BABBITS BRIDGE ON SALMON CREEK, 1.2 MILES DOWN WEST LOGGING RD FROM SALMON PASS, HEADWATERS RESERVE, SOUTH OF ARCATA. DOWN FIRST LEFT LOGGING ROAD TO BRIDGE. ON WEST FACING NARROW SALMON CREEK CANYON. HEADWATERS FOREST RESERVE PLOT BB. MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 17.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 122)	1999XXXX	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED DURING SURVEYS BETWEEN AUTUMN 1999 AND SUMMER 2000. IN GENERAL USNEA LONGISSIMA WAS WIDESPREAD BUT SPARSE, OFTEN OCCURRING ON THE BRANCHES OF A SINGLE TREE. SEQUOIA SEMPERVIRENS-TSUGA HETEROPHYLLA FOREST. ASSOCIATES INCLUDE VACCINIUM OVATUM, GAULTHERIA SHALON, ACER MACROPHYLLUM, ALNUS RUBRA, POLYSTICHUM MUNITUM, MYRICA CALIFORNICA, AND VACCINIUM PARVIFOLIUM.		CDFW Headwaters Forest Reserve	800

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
118	WESTERN LOGGING ROAD, ABOUT 1 MILE ALONG ROAD FROM PARKING LOT AT SALMON PASS, HEADWATERS FOREST RESERVE. ON EAST SLOPE FACING OPEN CANYON OF UNNAMED TRIBUTARY TO SALMON CREEK. HEADWATERS RESERVE SITE WLR. MAPPED WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 20.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 123)	1999XXXX	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED DURING SURVEYS BETWEEN AUTUMN 1999 AND SUMMER 2000. IN GENERAL USNEA LONGISSIMA WAS WIDESPREAD BUT SPARSE, OFTEN OCCURRING ON THE BRANCHES OF A SINGLE TREE. IN EARLY MATURE SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII FOREST. ASSOCIATES INCLUDE GAULTHERIA SHALLON, VACCINIUM OVATUM, PAMPAS GRASS, AND CEANOTHUS SPP.		CDFW Headwaters Forest Reserve	1150

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
119	UPPER LITTLE SOUTH FORK ELK RIVER, 2.4 TO 3 MILES UPSTREAM FROM CONFLUENCE WITH SOUTH FORK, HEADWATERS FOREST RESERVE. 4 COLONIES MAPPED ALONG ALONG WILDLIFE TRAIL AND SCAR TRAIL. MAPPED WITHIN THE SW 1/4 OF SECTION 16.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 124)	1999XXXX	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED DURING SURVEYS BETWEEN AUTUMN 1999 AND SUMMER 2000. IN GENERAL USNEA LONGISSIMA WAS WIDESPREAD BUT SPARSE, OFTEN OCCURRING ON THE BRANCHES OF A SINGLE TREE. IN MID-MATURE TO OLD GROWTH SEQUIOA SEMPERVIRENS, LITHOCARPUS DENSIFORUS, PSEUDOTSUGA MENZIESII FOREST. ASSOCIATES INCLUDE GAULTHERIA SHALLON, VACCINIUM OVATUM, MYRICA CALIFORNICA, AND VIOLA SEMPERVIRENS.		CDFW Headwaters Forest Reserve	1150

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
120	ALONG WILDLIFE TRAIL ON RIDGE AT HEAD OF LITTLE SOUTH FORK ELK RIVER AND SALMON CREEK, HEADWATERS RESERVE. ALONG WILDLIFE TRAIL, 0.2 MILE ALONG RIDGE FROM LANDING. MAPPED WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 21.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 125)	1999XXXX	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED DURING SURVEYS BETWEEN AUTUMN 1999 AND SUMMER 2000. IN GENERAL USNEA LONGISSIMA WAS WIDESPREAD BUT SPARSE, OFTEN OCCURRING ON THE BRANCHES OF A SINGLE TREE. ON NW-SE FACING FORESTED RIDGETOP WITH EDGE EFFECTS. IN MIDMATURE-OLD GROWTH SEQUOIA SEMPERVIRENS, LITHOCARPUS DENSIFLORUS, AND PSEUDOTSUGA MENZIESII FOREST. ASSOCIATES INCLUDE GAULTHERIA SHALLON AND VACCINIUM OVATUM.		CDFW Headwaters Forest Reserve	1750

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
121	UPPER GOVERNORS GROVE, ALONG MAIN TRAIL ENTRANCE FROM ROAD, HEADWATERS FOREST RESERVE, NORTH OF HYDESVILLE. MAPPED WITHIN THE SW 1/ 4 OF THE SW 1/4 OF SECTION 21.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 126)	1999XXXX	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED DURING SURVEYS BETWEEN AUTUMN 1999 AND SUMMER 2000. IN GENERAL USNEA LONGISSIMA WAS WIDESPREAD BUT SPARSE, OFTEN OCCURRING ON THE BRANCHES OF A SINGLE TREE. IN LATE MATURE TO OLD GROWTH SEQUOIA SEMPERVIRENS, ABIES GRANDIS, AND PSEUDOTSUGA MENZIESII FOREST. ASSOCIATES INCLUDE GAULTHERIA SHALLON, VACCINIUM OVATUM, LITHOCARPUS DENSIFLORUS, ALNUS RUBRA, MYRICA CALIFORNICA, AND POLYSTICHUM MUNITUM.		CDFW Headwaters Forest Reserve	1750

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
122	HEADWATERS OF THE SOUTH FORK ELK RIVER, ALONG THE EAST LOGGING ROAD, HEADWATERS FOREST RESERVE, SOUTH OF ARCATA. ALONG EAST SKID TRAIL #1 AND #2, SPUR ROADS FROM THE EAST LOGGING ROAD. HUMBOLDT RESERVE SITES ESK1 AND ESK2. MAPPED WITHIN THE E 1/2 OF THE NE 1/4 OF SECTION 23.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 127)	1999XXXX	UNKNOWN NUMBER OF INDIVIDUALS OBSERVED DURING SURVEYS BETWEEN AUTUMN 1999 AND SUMMER 2000. IN GENERAL USNEA LONGISSIMA WAS WIDESPREAD BUT SPARSE, OFTEN OCCURRING ON THE BRANCHES OF A SINGLE TREE. IN EARLY MATURE TO OLD GROWTH SEQUOIA SEMPERVIRENS, PSEUDOTSUGA MENZIESII, AND LITHOCARPUS DENSIFLORUS FOREST. ASSOCIATES INCLUDE GAULTHERIA SHALLON, VACCINIUM OVATUM, BACCHARIS PILULARIS, PAMPAS GRASS, AND MYRICA CALIFORNICA.		CDFW Headwaters Forest Reserve	1750

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
123	EASTERN SIDE OF MOHRHARDT RIDGE, APPROXIMATELY 1.1 AIR MILES ENE OF RADIO FACILITY. SITE MAPPED ON EASTERN EDGE OF SECTION 35.	Sonoma	Fort Ross (3812352)	CNDDB, Jan. 2021 (EO 128)	18-Feb-2002	SECOND GROWTH SEQUOIA SEMPERVIRENS / ABIES FOREST.	SITE IS PROPOSED FOR "TIMBER HARVEST-REMOVAL OF NON-NATIVES TO THE AREA TIMBER PLANTINGS" (?).	PVT	1200
123	West of Baxman Ranch buildings ten miles east of Plantation. [maps to 1 mile E of Mohrhardt Ridge, and so included with EO128 but these might be separate populations]	Sonoma	Fort Ross (3812352)	CNALH Apr. 2021 (UC635764, UC733744, UC1902676, MICH)	8-Apr-1939	Strands 2-3 feet long, with hair-like branches. In woody gully.		Private	
124	JUST NORTH OF MILL CREEK, ALONG DRY (MILL?)CREEK ROAD APPROXIMATELY 0.4 MILE EAST OF INTERSECTION WITH CHAMISE ROAD.	Sonoma	Guerneville (3812258)	CNDDB, Jan. 2021 (EO 129)	15-Aug-2002	5 TREES IN 2002. SEQUOIA SEMPERVIRENS / PSEUDOTSUGA MENZIESII / ABIES FOREST IN CANYON BOTTOM.	SURROUNDING LAND USE INCLUDES TIMBER MANAGEMENT AND RECREATION.	PVT	400

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
125	WESTERN SIDE OF BRUSHY RIDGE. SITE MAPPED IN THE NW 1/4 OF THE SW 1/4 OF SECTION 2.	Sonoma	Stewarts Point (3812364)	CNDDB, Jan. 2021 (EO 130)	21-Jun-2002	1 TREE. SECOND GROWTH SEQUOIA SEMPERVIRENS / ABIES FOREST. A SINGLE PINUS LAMBERTIANA FUNCTIONING AS HOST TREE.	SITE WAS PROPOSED FOR TIMBER CONVERSION. THE TREE WILL BE AVOIDED AND PROVIDED WITH A BUFFER ZONE.	PVT	766
126	SOUTH OF ELK CREEK, APPROXIMATELY 1.1 AIR MILES EAST OF THE COASTLINE. SITE MAPPED IN THE NW 1/4 OF THE SW 1/4 OF SECTION 7.	Mendocino	Mallo Pass Creek (3912316)	CNDDB, Jan. 2021 (EO 131)	30-Jan-2002	A FEW TREES. SEQUOIA SEMPERVIRENS / PSEUDOTSUGA MENZIESII FOREST. EASTERN ASPECT WITH 65% SLOPE. ROCKY SUBSTRATE WITH ABUNDANT ORGANIC MATTER. LICHEN FOUND ON 200+ YR OLD PSEUDOTSUGA MENZIESII & SURROUNDING 2ND & 3RD GROWTH TIMBER.	AREA IS TO BE HELICOPTER LOGGED. A 0.25 ACRE RETENTION ZONE WAS PLACED AROUND THE LICHEN.	PVT-MENDOCINO REDWOOD CO	820

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
127	ALONG CORNER CREEK, APPROXIMATELY 0.9 AIR MILE NORTH OF BLANTON PRAIRIE. SITE MAPPED PRIMARILY IN THE NW 1/4 OF THE NE 1/4 OF SECTION 26. ALONG LOGGING ROAD N31.79 IN THE YAGER CREEK WATERSHED.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 132)	1-May-2001		TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1900

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
128	ALONG NAVARRO RIDGE ROAD NORTH OF THE NAVARRO RIVER, 4.3 AIR MILES NORTH OF ELK. TWO COLONIES ON EITHER SIDE OF NAVARRO RIDGE ROAD. MAPPED WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 2.	Mendocino	Elk (3912326)	CNDDB, Jan. 2021 (EO 133)	25-Jul-2002	MOST STRANDS RELATIVELY SHORT (<1 FT) & SPARSELY DISTRIBUTED ACROSS 1-2 ACRES. ESTIMATED 50 TREES OCCUPIED BUT MOST SPARSELY, PERHAPS WIND-BLOWN STRANDS FROM MORE DEVELOPED MATS ON LARGE NEARBY TREES. 5-10 TREES WITH WELL DEVELOPED MATS. IN SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST ON NORTH-FACING SLOPE NEAR RIDGE. USNEA INHABITS SEQUOIA SEMPERVIRENS, PSEUDOTSUGA MENZIESII, ABIS GRANDIS, AND HARDWOODS OF VARIOUS SIZE AND AGE CLASSES. APPROXIMATELY 60-70% SLOPE.	LOGGING, ALTHOUGH INHABITED AND SURROUNDING TREES WILL BE RETAINED ON HAWTHORNE TIMBER LAND DURING PRESENT THP.	PVT-HAWTHORNE TIMBER CO	600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
129	HEAD OF UNNAMED TRIBUTARY TO CHADBOURNE GULCH, 1.6 AIR MI EAST OF BRUHEL POINT, NORTH OF INGLENOOK & THE TEN MILE RIVER. CENTERED ON NOSE OF EAST-WEST TRENDING SPUR RIDGE. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 9.	Mendocino	Inglenook (3912357)	CNDDB, Jan. 2021 (EO 134)	17-Jun-2002	ESTIMATED 50 MATURE TREES & MANY MORE SMALLER TREES INHABITED OVER APPROX 1.5-2 ACRE AREA. U. LONGISSIMA DENSITY DECREASES SHARPLY OUTSIDE THIS AREA. LONGEST STRANDS ARE ON RESIDUAL TREES, LICHEN MATS ARE MODERATELY WELL DEVELOPED. IN SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH AN IMPORTANT HARDWOOD COMPONENT. REDWOOD, DOUGLAS-FIR, TAN OAK, AND MADRONE ALL INHABITED BY USNEA.	LOGGING. PRIMARY CONCENTRATION WILL BE AVOIDED UNDER CURRENT THP. NO POST HARVEST TREATMENT OF HARDWOODS IN THIS AREA.	PVT-HAWTHORNE TIMBER CO	900

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
130	LINCOLN RIDGE, 4 AIR MILES WEST OF BRANSCOMB ROAD AT THE SOUTH FORK EEL RIVER, WEST OF JACKSON VALLEY. NEAR TOP OF EAST SLOPE OF RIDGE. MAPPED WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 11.	Mendocino	Lincoln Ridge (3912366)	CNDDB, Jan. 2021 (EO 135)	17-Apr-2002	SMALL ISOLATED OCCURRENCE ON TWO TANOAKS AND SURROUNDING SMALL TREES AND SHRUBS IN A HARDWOOD-DOMINATED FOREST STAND. SCATTERED USNEA STRANDS IN 0.1 ACRE AREA. SURROUNDING VICINITY SEARCHED WTIH NO ADDITIONAL DETECTIONS. IN A HARDWOOD DOMINATED FOREST STAND. USNEA IS ON TWO TANOAKS AND SURROUNDING SMALL TREES AND SHRUBS.	TIMBER HARVEST ACTIVITIES, ALTHOUGH NO OPERATIONS WILL OCCUR WITHIN 30 FEET OF THE OCCUPIED AREA.	PVT-HAWTHORNE TIMBER CO	1900

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
131	FROM DUGANS OPENING EAST ABOUT 0.75 MILE, WEST OF THE SOUTH FORK EEL RIVER AND STANDISH-HICKEY STATE RECREATION AREA. SEVERAL COLONIES, MOSLTY ON NORTH SIDE OF RIDGE SOUTH OF WILDCAT CREEK.	Mendocino	Piercy (3912387)	CNDDB, Jan. 2021 (EO 136)	11-Jul-2003	WELL DEVELOPED LICHEN MATS OCCURRING SPARINGLY; USUALLY IN INDIVIDUAL TREES. LOW DENSITY CONCENTRATIONS IN NUMEROUS LOCATIONS & USUALLY INVOLVING 5-10 TREES IN LIMITED AREAS. GENERALLY NOT APPEARING TO BE ROBUST. SEEN IN 2002 AND 2003. INHABITS SEQUOIA SEMPERVIRENS / PSEUDOTSUGA MENZIESII STANDS ALONG WINDSWEPT RIDGES & UPPER SPUR RIDGES, ALL SPECIES & SIZE CLASSES INHABITED, BUT PARTICULARLY LARGER DOUGLAS-FIR & RESIDUAL OLD-GROWTH HARDWOODS.	LOGGING. STANDS HARBORING LICHEN CONCENTRATIONS WILL BE RETAINED.	PVT-HAWTHORNE TIMBER CO	1500

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
132	1 MILE ESE OF DUGANS OPENING, WEST OF THE SOUTH FORK EEL RIVER AND STANDISH-HICKEY STATE RECREATION AREA. FIVE COLONIES MAPPED NEAR THE CENTER OF THE WESTERN 1/2 OF SECTION 6.	Mendocino	Piercy (3912387)	CNDDB, Jan. 2021 (EO 137)	11-Jul-2003	WELL DEVELOPED LICHEN MATS OCCUR SPARINGLY, USUALLY IN INDIVIDUAL TREES. LOW DENSITY CONCENTRATIONS USUALLY INVOLVING 5-10 TREES IN LIMITED AREAS. POPULATIONS GENERALLY NOT APPEARING TO BE ROBUST. 4 ISOLATED OCCURRENCES SEEN IN 2003. INHABITS SEQUOIA SEMPERVIRENS / PSEUDOTSUGA MENZIESII STANDS ALONG WINDSWEPT RIDGES & UPPER SPUR RIDGES, ALL SPECIES & SIZE CLASSES INHABITED, BUT PARTICULARLY LARGER DOUGLAS-FIR & RESIDUAL OLD-GROWTH HARDWOODS.	LOGGING. STANDS HARBORING LICHEN CONCENTRATIONS WILL BE RETAINED.	PVT-HAWTHORNE TIMBER CO	1500

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Rec. #	Locality	County	Quad	Ref. (Source)	Date Last Obs'd	Population Info	Threats	Land Mgr.	Elev. (ft.)
133	UPPER ANDERSON CREEK, 1.5 TO 2.3 AIR MILES NNE OF BEAR HARBOR, EAST OF SINKYONE WILDERNESS STATE PARK. SEVERAL SCATTERED COLONIES MAPPED WITHIN THE E 1/2 AND THE E 1/2 OF THE SW 1/4 OF SECTION 13, AND WITHIN THE N 1/2 OF THE NW 1/4 OF SECTION 24.	Mendocino	Bear Harbor (3912388)	CNDDB, Jan. 2021 (EO 138)	2002-06XX	CONSISTENT USNEA LONGISSIMA PRESENCE ALONG RIDGES AND ASSOCIATED SPUR RIDGES THAT ARE EXPOSED TO PREVAILING NW WINDS. PARTICULARLY WELL-DEVELOPED LICHEN MATS CONSISTING OF LONG, PENDULOUS THALLI STRANDS ARE NOTABLE ON A LOCALIZED BASIS. SECOND GROWTH COAST REDWOOD / DOUGLAS-FIR FOREST WITH AN IMPORTANT HARDWOOD COMPONENT. SCATTERED RESIDUAL OLD-GROWTH CONIFERS &HARDWOODS ARE NOTABLE & SIGNIFICANT ELEMENTS. AT LEAST TRACE STRANDS OF USNEA LONGISSIMA OCCUR SPORADICALLY.	LOGGING. SMALL STANDS OF TREES SUPPORTING NOTABLE CONCENTRATIONS OF THE LICHEN WILL BE RETAINED DURING HARVESTING.	PVT-HAWTHORNE TIMBER CO	1600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
134	SOUTHWEST OF CONFLUENCE OF ANDERSON & INDIAN CREEKS, 2.5 AIR MILES NE OF BEAR HARBOR, EAST OF SINKYONE WILDERNESS SP. SEVERAL COLONIES MAPPED MOSTLY WITHIN THE N 1/2 OF SECTION 18.	Mendocino	Bear Harbor (3912388)	CNDDB, Jan. 2021 (EO 139)	2002-06XX	CONSISTENT USNEA LONGISSIMA PRESENCE ALONG RIDGES AND ASSOCIATED SPUR RIDGES THAT ARE EXPOSED TO PREVAILING NW WINDS. PARTICULARLY WELL-DEVELOPED LICHEN MATS CONSISTING OF LONG, PENDULOUS THALLI STRANDS ARE NOTABLE ON A LOCALIZED BASIS. SECOND GROWTH COAST REDWOOD / DOUGLAS-FIR FOREST WITH AN IMPORTANT HARDWOOD COMPONENT. SCATTERED RESIDUAL OLD-GROWTH CONIFERS & HARDWOODS ARE NOTABLE & SIGNIFICANT ELEMENTS. AT LEAST TRACE STRANDS OF USNEA LONGISSIMA OCCUR SPORADICALLY.	LOGGING. SMALL STANDS OF TREES SUPPORTING NOTABLE CONCENTRATIONS OF THE LICHEN WILL BE RETAINED DURING HARVESTING.	PVT-HAWTHORNE TIMBER CO	1600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
135	NORTH SIDE ALBION RIVER CANYON, ABOUT 0.20 MILE DOWNSTREAM FROM CONFLUENCE WITH RAILROAD GULCH, NNE OF ELK. ON SOUTHWEST FACING SLOPE ABOVE THE RIVER AND ABOVE SEASONAL ROAD. MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 14.	Mendocino	Elk (3912326)	CNDDB, Jan. 2021 (EO 140)	28-Oct-2002	IN 2002 APPROXIMATELY 25 INDIVIDUALS OBSERVED IN A LARGE GRAND FIR ON TOP OF A RIDGE. AREA WAS SELECTIVELY HARVESTED IN THE EARLY 1990'S. THE RARE CALAMAGROSTIS BOLANDERI ALSO OCCURS AT THIS SITE. IN SECOND GROWTH REDWOOD AND DOUGLAS-FIR FOREST WITH LITHOCARPUS DENSIFLORUS AND ARBUTUS MENZIESII COMPONENT.	TIMBER HARVEST ACTIVITIES.	PVT-MENDOCINO REDWOOD CO	160

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
136	ALONG GREENWOOD ROAD, 1.3 AIR MILES ENE OF ELK, SOUTH SLOPE OF GREENWOOD RIDGE. ON CEANOTHUS SHRUB HANGING OVER THE MIDDLE OF COUNTY ROAD. MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 25.	Mendocino	Elk (3912326)	CNDDB, Jan. 2021 (EO 141)	20-Oct-2002	IN 2002 ONE INDIVIDUAL FOUND IN A DEAD CEANOTHUS WHICH HANGS OVER A PHONE LINE. THE CEANOTHUS WILL PROBABLY BE REMOVED BY LINE CREWS OR FALL ON ITS OWN. IN REDWOOD / DOUGLAS-FIR FOREST. WITH HONEYSUCKLE, TAN OAK, THIMBLEBERRY, AND BRACKEN FERN. ON EAST-FACING SLOPE.	TIMBER HARVEST ACTIVITIES. COUNTY ROAD MAINTENANCE - LICHEN HANGS OVER ROAD.	PVT, MEN COUNTY?	800
137	2 MILES WEST OF THE TOWN OF OCCIDENTAL ALONG COLEMAN CALLEY ROAD. ON EAST SIDE OF ROAD ON WEST SIDE OF HAIRPIN TURN. JUST WEST OF COLEMAN VALLEY CREEK.	Sonoma	Duncans Mills (3812341)	CNDDB, Jan. 2021 (EO 142)	15-Nov-2002	MANY INDIVIDUALS OBSERVED BY KJELDSEN IN 2002. PRESTON VISITED THIS SITE IN 2004 AND FOUND NO USNEA LONGISSIMA, BUT DID SEE RAMALINA MENZIESII. POSSIBLE MIS-IDENTIFICATION? NEEDS ADDITIONAL SURVEYS. IN SECOND GROWTH REDWOOD/FIR FOREST.	ALONGSIDE COLEMAN VALLEY ROAD. SURROUNDING AREA IS OPEN SPACE TIMBERLANDS.	UNKNOWN	680

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
138	SOUTH OF THE EAST BRANCH LITTLE NORTH FORK BIG RIVER, APPROXIMATELY 1 AIR MILE SOUTHEAST OF CONFLUENCE WITH WEST BRANCH. MAPPED WITHIN THE NE 1/4 OF THE SW 1/4 OF SECTION 16.	Mendocino	Mathison Peak (3912336)	CNDDB, Jan. 2021 (EO 143)	XXXXXXXX	8 TREES WITH IDENTIFIED WITH LICHENS BY PAYMARD. RIDGETOP NORTH COAST CONIFEROUS FOREST IN DOUGLAS-FIR TREE CANOPIES, 8 TREES IDENTIFIED WITH LICHEN.	SURROUNDING AREAS WILL BE SELECTIVELY LOGGED. TREES WITH LICHEN WILL NOT BE HARVESTED.	The Conservation Fund - California. Big River Salmon Creek.	1200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
139	SOUTH FORK SMITH RIVER, WEST OF BIG FLAT, SIX RIVERS NATIONAL FOREST. ON THE SECOND RIVERSIDE FLAT DOWNSTREAM FROM THE JUNCTION OF BIG FLAT ROAD 427 AND G-O ROAD 15. MAPPED BETWEEN BIG FLAT ROAD AND THE SOUTH FORK SMITH RIVER, IN THE NW 1/4 OF SECTION 23.	Del Norte	Cant Hook Mtn. (4112368)	CNDDB, Jan. 2021 (EO 144)	16-Jan-2003	STANSALL VISITED THE SITE BRIEFLY AND OBSERVED AT LEAST A DOZEN TREES WITH SOME STRANDS AND ONE TREE WITH A TANGLED MASS NEAR THE TOP THAT IS AS LARGE AS A MAN'S BODY. IN JAN 2003 CARLBERG SAW 5 TREES WITH USNEA; NO "PARENT" TREE VISIBLE. QUERCUS KELLOGGII (GARRYANA?) STAND ON A RIVERSIDE FLAT. SERIES IS PSEUDOTSUGA MENZIESII-QUERCUS GARRYANA.		Six Rivers NF	750
139	NONE	Del Norte	Cant Hook Mtn. (4112368)	(OCT22 2003_TEC02_INC_USLO 50)	22-Aug-2018	15 individuals. Growing in great abundance in complete open on large QUGA throughout canopy; carpets crown. Approximately 20 QUGA hosts, give or take.		Six Rivers NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
139	HWY 101 TO HWY 199 TO SOUTH FORK ROAD TO SECOND RIVERSIDE BENCH NORTHWEST OF BIG FLAT.	Del Norte	Cant Hook Mtn. (4112368)	(OCT22 2003_TEC02_INC_USLO 50)	16-Jan-2003	Landform: Bench. Community Age: 120. Seral stage: MID-MATURE.		Six Rivers NF	
140	NORTH SIDE OF "BIGFOOT PEAK", 1.1 MI SOUTH OF CONFLUENCE OF SOUTH & MIDDLE FORKS TEN MILE RIVER, SOUTH SIDE SMITH RIDGE. ALONG 4WD ROAD. MAPPED WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 6.	Mendocino	Dutchmans Knoll (3912356)	CNDDB, Jan. 2021 (EO 145)	4-Jun-2003	6 HOST TREES SEEN IN 2002. 3 HOST TREES SEEN IN 2003. THE RARE LILIUM RUBESCENS ALSO OCCURS AT THIS SITE. NORTH COAST FOREST ON CLAY SOIL, RIDGE TOP, NORTHERLY ASPECT. DOMINANTS INCLUDE SEQUOIA SEMPERVIRENS, PSEUDOTSUGA MENZIESII, LITHOCARPUS DENSIFLORUS. ASSOC: ARCTOSTAPHYLOS SPP., GAULTHERIA SHALLON, IRIS DOULGASII, WHIPPLEA MODESTA, ET AL.	ROAD, ROAD MAINTENACE, TIMBER HARVESTING.	PVT-LYME REDWOOD	1530

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
141	JUST WEST OF MARSHALL CREEK, ABOUT 2.25 AIR MILES NORTH OF SEAVIEW CEMETERY, NNE OF FORT ROSS. IN REDWOODS ALONG THE CREEK. MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 31.	Sonoma	Fort Ross (3812352)	CNDDB, Jan. 2021 (EO 146)	12-Jun-2002	SEVERAL STRANDS VISIBLE ON REDWOODS ALONG THE CREEK IN 2002. THERE IS LIKELY TO BE MORE USNEA PRESENT IN THIS DRAINAGE. IS THIS RANK CORRECT; SHOULD IT BE FAIR? FOUND IN REDWOOD/TANOAK FOREST.		PVT	600
142	JUST EAST OF BOHAN DILLON ROAD, ABOUT 1.1 AIR MILES NNE OF SEAVIEW CEMETERY, NNE OF FORT ROSS. IN REDWOODS ALONG THE CREEK. MAPPED WITHIN THE SE 1/4 OF SE 1/4 OF SECTION 6.	Sonoma	Fort Ross (3812352)	CNDDB, Jan. 2021 (EO 147)	12-Jun-2002	IN 2002, ONE VALLEY OAK SUPPORTED A RELATIVELY LARGE (15' BY 15') COLONY. IN MIXED VALLEY OAK/BLACK OAK WOODLAND.		PVT	1000

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
143	NORTHERN GREENWOOD RIDGE, ALONG CAMERON ROAD ABOUT 3.6 MILES SOUTH OF HIGHWAY 1, SOUTH OF THE NAVARRO RIVER. ABOUT 3.6 MILES UP CAMERON ROAD, THEN ABOUT 100 FEET DOWN UNIMPROVED ROAD ON EAST SIDE. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 14.	Mendocino	Elk (3912326)	CNDDB, Jan. 2021 (EO 148)	16-Jan-2003	IN 2003, A LIGHT SCATTERING OF LICHEN ON ABOUT 10-20 SHRUBS AND CHINQUAPIN. FEW LONG STRAND LICHENS, MOST SHORT (PERHAPS "NEWLY" ESTABLISHED). FULL INVENTORY OF AREA NOT POSSIBLE, OCCURRENCE PROBABLY EXTENDS FROM THIS AREA. ON COASTAL TERRACE WHICH SUPPORTS PYGMY FOREST AND BISHOP PINE FOREST. SOILS SANDY CLAY WITH FULL EXPOSURE AND 0-5% SLOPES. DOMINANT LICHEN AT SITE IS USNEA FILIPENDULA. ASSOCIATES INCLUDE ARCTOSTAPHYLOS COLUMBIANA, A. NUMMULARIA, ET AL.	ROAD MAINTENANCE, TIMBER HARVESTING, AND DEVELOPMENT.	UNKNOWN	837

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
144	WEST OF LITTLE VALLEY, ABOUT 0.65 MI NNW OF CONFLUENCE OF LITTLE VALLEY CREEK WITH PUDDING CREEK, NORTH OF FORT BRAGG. ALONG UNNAMED TRIBUTARY TO LITTLE VALLEY CREEK. MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 27.	Mendocino	Noyo Hill (3912346)	CNDDB, Jan. 2021 (EO 149)	23-May-2003	SEVERAL STRANDS OF USNEA SEEN IN ONE TREE IN 2002. SEVERAL STRANDS OF USNEA LONGISSIMA WERE FOUND WITHIN A MATURE PSEUDOTSUGA MENZIESII VAR. MENZIESII TREE. THE TREE IS LOCATED ON THE LOWER END OF A RIDGE THAT RUNS EAST TO WEST WITH A SLOPE OF 50%.	TREE IS LOCATED WITHIN A PROPOSED CLEARCUT.	PVT-HAWTHORNE TIMBER CO	250
145	RIDGE WEST OF LITTLE NORTH FORK TEN MILE RIVER, 0.8 MI SW OF CONFLUENCE OF BARLOW GULCH AND LITTLE NORTH FORK. ON OLD SKID ROAD. MAPPED WITHIN THE NE 1/4 OF THE SW 1/4 OF SECTION 15.	Mendocino	Dutchmans Knoll (3912356)	CNDDB, Jan. 2021 (EO 150)	24-Apr-2003	USNEA FOUND IN TWO TREES APPROXIMATELY 20 FEET APART IN 2003. IN NORTH COAST CONIFEROUS FOREST. DOMINANT SPECIES IS SEQUOIA SEMPERVIRENS. ASSOCIATES INCLUDE CEANOTHUS THYRSIFLORUS, PSEUDOTSUGA MENZIESII, LITHOCARPUS DENSIFLORUS, AND USNEA FILIPENDULUM.	OUTSIDE OF TIMBER HARVEST AREA. NO DISTURBANCE EXPECTED IN 2003.	PVT-HAWTHORNE TIMBER CO	1210

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
146	NORTHWESTERN TIP OF SMITH RIDGE, SOUTH OF THE TEN MILE RIVER, ABOUT 1 MILE SSE OF CONFLUENCE OF NORTH & MIDDLE FORKS. ALONG 4WD ROAD. MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 25 AND THE NW 1/4 OF THE NE 1/4 OF SECTION 36.	Mendocino	Dutchmans Knoll (3912356)	CNDDB, Jan. 2021 (EO 151)	9-Jun-2003	12+ HOST TREES SEEN IN 2003. NORTH COAST CONIFEROUS FOREST DOMINATED BY PSEUDOTSUGA MENZIESII. ASSOCIATES INCLUDE LITHOCARPUS DENSIFLORUS, ARBUTUS MENZIESII, AND VACCINIUM OVATUM.	TIMBER HARVEST ACTIVITIES.	PVT-HAWTHORNE TIMBER CO	1100

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
147	SOUTHWEST OF LOOKOUT POINT, SOUTH OF STANDISH-HICKEY RECREATION AREA ALONG THE EEL RIVER, 1.1 AIR MILES WEST OF LEGGETT. ON SOUTH SIDE OF UNNAMED TRIBUTARY TO THE SOUTH FORK EEL RIVER. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 9.	Mendocino	Leggett (3912376)	CNDDB, Jan. 2021 (EO 152)	30-May-2003	IN 2003, ABOUT 20-30 TREES INHABITED OVER 2-3 ACRES. USNEA RELATIVELY SPARSELY DISTRIBUTED IN CANOPY; PRIMARILY INHABITING LARGE TANOAKS. IN SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH AN IMPORTANT HARDWOOD COMPONENT. ASSOCIATED WITH USNEA SPP.	TIMBER HARVEST ACTIVITIES AND ROAD BUILDING.	PVT-HAWTHORNE TIMBER CO	1500

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
148	SOUTH OF HIGHWAY ONE, ABOUT 4.4 MILES WEST OF LEGGETT, NORTHWEST OF HALES GROVE, WEST OF THE SOUTH FORK EEL RIVER. MAPPED NEAR THE CENTER OF THE SW 1/4 OF SECTION 9.	Mendocino	Hales Grove (3912377)	CNDDB, Jan. 2021 (EO 153)	30-May-2003	IN 2003, ABOUT 20 TREES INHABITED OVER LESS THAN ONE ACRE. USNEA RELATIVELY SPARSELY DISTRIBUTED IN CANOPY, PRIMARILY INHABITING SMALL ROADSIDE CONIFERS AND ONE LARGE CONIFER NEARBY. IN SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH AN IMPORTANT HARDWOOD COMPONENT. ASSOCIATED WITH USNEA SPP.		PVT-HAWTHORNE TIMBER CO	1700

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
149	RIDGE SOUTH OF SOUTH FORK USAL CREEK, WEST OF HALES GROVE. MORE OR LESS CONTINUOUS POPULATION CONSISTING OF NUMEROUS, SOMEWHAT ISOLATED SUB-POPULATIONS DISTRIBUTED IN A PATCHY MANNER ACROSS THE LANDSCAPE. MAPPED AS 13 POLYGONS BY CNDDB.	Mendocino	Hales Grove (3912377)	CNDDB, Jan. 2021 (EO 154)	30-Jun-2003	IN 2003, USNEA PATCHY ACROSS ABOUT 150 ACRES. MOST IMPRESSIVE POPULATION OCCURS IN THE SE QUADRANT WHERE MATURE PSEUDOTSUGA MENZIESII TREES ARE THE PRIMARY SUBSTRATE. IN SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH LITHOCARPUS DENSIFLORUS.	POTENTIAL FUTURE IMPACTS ASSOCIATED WITH TIMBER HARVESTING ACTIVITIES.	PVT-HAWTHORNE TIMBER CO/ and Save the Redwoods League	800

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
150	WILDCAT CREEK DRAINAGE, ABOUT 2.2 AIR MILES WSW OF CONFLUENCE WITH THE SOUTH FORK EEL RIVER, SOUTH OF PIERCY. MAPPED WITHIN THE SW 1/4 OF THE NW 1/4 OF SECTION 30.	Mendocino	Piercy (3912387)	CNDDB, Jan. 2021 (EO 155)	11-Jul-2003	ISOLATED OCCURRENCE SEEN IN 2003. DENSITY SPARSE TO MODERATE. SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH IMPORTANT HARDWOOD COMPONENT. ASSOCIATES INCLUDE LITHOCARPUS DENSIFLORUS AND ARBUTUS MENZIESII.	LOSS OF HOST TREES THROUGH TIMBER HARVEST AND/OR TANOAK TREATMENTS.	PVT-HAWTHORNE TIMBER CO	1400

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
151	ELK CREEK DRAINAGE, SOUTH OF ELK PRAIRIE, ABOUT 2 AIR MILES NORTHWEST OF ELK MOUNTAIN SUMMIT, EAST OF MYERS FLAT. MAPPED WITHIN THE NW 1/4 OF THE SE 1/4 OF SECTION 23.	Humboldt	Myers Flat (4012337)	CNDDB, Jan. 2021 (EO 156)	29-May-2002	IN 2002, ONE MADRONE TREE SEEN WITH 10-20 PERCENT OF CANOPY OCCUPIED AND MULTIPLE LONG STRANDS. CONIFER/HARDWOOD FOREST WITH 90% SEQUOIA SEMPERVIRENS, 10-20% PSEUDOTSUGA MENZIESII WITH LITHOCARPUS DENSIFLORUS AS A SIGNIFICANT SECONDARY TREE LAYER. DENSE VACCINIUM OVATUM SHRUB LAYER. CANOPY COVER 30-80% WITH OPEN AREAS THROUGHOUT.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	840

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
152	SOUTH ELKHORN RIDGE, HEADWATERS OF MICHAELS CREEK 2.4 AIR MI EAST OF CONFLUENCE WITH HOLLOW TREE CREEK, S OF LEGGETT. BLM PLOT SF3. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 7.	Mendocino	Leggett (3912376)	CNDDB, Jan. 2021 (EO 157)	2002XXXX	TWO REMNANTS SEEN IN 2002 IN A LATE MATURE DOUGLAS-FIR TREE. PROTECTED IN LATE SERAL RESERVE. ON LATE MATURE DOUGLAS-FIR TREE. ON NORTHEAST FACING FORESTED SLOPE.		BLM	2360
153	NORTH OF MILSTEAD ROAD, TOM LONG CREEK DRAINAGE, EAST OF NOBLE BUTTE. BLM PLOT BP. MAPPED WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 32.	Mendocino	Noble Butte (3912386)	CNDDB, Jan. 2021 (EO 158)	2002XXXX	ONE REMNANT SEEN IN 2002 IN A LATE MATURE DOUGLAS-FIR TREE. PROTECTED IN LATE SERAL RESERVE. ON LATE MATURE DOUGLAS-FIR TREE, ON NORTH FACING FORESTED CREEK CANYON.		BLM	2700

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
154	HILL WEST OF BELL SPRINGS, ABOUT 1 AIR MILE SSE OF HARRIS POST OFFICE, SOUTH OF HARRIS. MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 8.	Humboldt	Harris (4012316)	CNDDB, Jan. 2021 (EO 159)	2002XXXX	ONE REMNANT SEEN IN 2002 IN A LATE MATURE DOUGLAS-FIR TREE. PROTECTED IN LATE SERAL RESERVE. ON LATE MATURE DOUGLAS-FIR TREE. ON NNW FACING FORESTED SLOPE.		BLM/Private	2400
155	NORTHWESTERN OAK RIDGE, CHALK MOUNTAINS, SOUTH OF SWAINS FLAT AND THE VAN DUZEN RIVER. THREE COLONIES MAPPED BY CNDDB: IN THE NE 1/4 OF THE SW 1/4 OF SECTION 19, AT THE CENTER OF THE SE 1/4 OF SECTION 19, AND IN THE NE 1/4 OF THE NE 1/4 OF SECTION 30.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 160)	11-Jun-2002	6 INDIVIDUALS SEEN IN 2002. 4 TRACE OCCURRENCES AND 2 MODERATE COVER OCCURRENCES. DOMINANT TREE SPECIES INCLUDE SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII. DOMINANT SHRUBS INCLUDE VACCINIUM OVATUM AND POLYSTICHUM MUNITUM. AREA GENERALLY OPEN AND DRY.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1640

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
156	HEADWATERS OF SHADY DELL, USAL CREEK DRAINAGE, 1.5 AIR MILES EAST OF SHORELINE ROCK, NORTHWEST OF HALES GROVE. TWO COLONIES MAPPED AS ONE POLYGON WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 23.	Mendocino	Hales Grove (3912377)	CNDDB, Jan. 2021 (EO 161)	30-Jun-2003	TWO TRACE OCCURRENCES SEEN IN 2003. IN SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH LITHOCARPUS DENSIFLORUS.	POTENTIAL FUTURE IMPACTS ASSOCIATED WITH TIMBER HARVEST ACTIVITIES.	Save the Redwoods League - Shady Dell	1140
157	HEADWATERS OF WILDCAT CREEK, 0.4 MILE NORTH OF DUGANS OPENING, SOUTH OF PIERCY. ONE ISOLATED OCCURRENCE MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 36.	Mendocino	Piercy (3912387)	CNDDB, Jan. 2021 (EO 162)	30-Jun-2003	ONE ISOLATED OCCURRENCE SEEN IN 2003. IN SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH LITHOCARPUS DENSIFLORUS.	POTENTIAL FUTURE IMPACTS ASSOCIATED WITH TIMBER HARVEST ACTIVITIES.	PVT-HAWTHORNE TIMBER CO	1340

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
158	NORTHWEST SLOPE OF BRUSHY MOUNTAIN, ABOVE HEAD OF THOMPSON CREEK 2.5 AIR MILES NNE OF CONFLUENCE WITH THE EEL RIVER. HOST TREES EXISIT ADJACENT TO THE ROAD. MAPPED WITHIN THE E 1/2 OF THE SW 1/4 OF SECTION 15.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 163)	24-Jun-2003	USNEA LONGISSIMA GROWING IN PROLIFIC AMOUNTS IN THIS AREA. ABOUT 100 INDIVIDUALS SEEN IN 2003. GROWING IN APPROXIMATELY 30 YEAR OLD EVEN AGED DOUGLAS-FIR STAND.	TIMBER HARVEST ACTIVITIES. HOST TREES ARE ADJACENT TO THE ROAD.	PVT-PACIFIC LUMBER CO	2000
159	WEST OF SCOTT CREEK, 0.8 AIR MILE NNE OF SUMMIT OF MT. BALDY, SSW OF BRIDGEVILLE. NEAR DIRT ROAD WEST OF CREEK. MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 8.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 164)	19-Jun-2003	5 INDIVIDUALS SEEN IN 2003. IN SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH VACCINIUM AS THE DOMINANT SHRUB.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1430

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
160	OAK RIDGE, 0.5 AIR MILE NORTHWEST OF WATER TANK, CHALK MOUNTAINS, SOUTH OF THE VAN DUZEN RIVER. MAPPED WITHIN THE NE 1/4 OF THE NW 1/4 OF SECTION 29.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 165)	2002XXXX	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 2002 DIGITAL DATA FROM PALCO. NEEDS FIELDWORK.		PVT-PACIFIC LUMBER CO	2369

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
161	SHIVELY CREEK HEADWATERS, 3.9 AIR MILES NNW OF REDCREST, NORTH OF HOLMES FLAT AND THE EEL RIVER. TWO PATCHES MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 21.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 166)	25-Nov-2002	4 INDIVIDUALS SEEN IN 2002. THREE TREES HAD MODERATE COVERAGE OF USNEA (10-20% OF CANOPY OCCUPIED) AND ONE HAD HIGH COVER (21-40% OF CANOPY OCCUPIED). FOUND IN YOUNG, PREDOMINANTLY REDWOOD STAND. VARIABLE CANOPY COVERAGE (20-70%) WITH SMALL TO MEDIUM SIZED OPENINGS DOMINATED BY SHRUBS INCLUDING TOXICODENDRON DIVERSILOBUM, VACCINIUM, AND GAULTHERIA. UNDERSTORY IS DOMINATED BY TANOAK.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1450

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
162	SHIVELY CREEK HEADWATERS, 3.75 AIR MILES NORTH OF REDCREST, NORTH OF HOLMES FLAT AND THE EEL RIVER. MAPPED WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 21.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 167)	2-Jul-2003	IN 2003, A 34-INCH DBH ABIES GRANDIS WITH AN USLO COVER CLASS OF B-C (LOW TO MODERATE) AND A 41-INCH DBH ABIES GRANDIS WTIH A USLO COVER CLASS OF B-C SEEN. MODERATELY CLOSED CANOPY SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST. PATCHES OF SEQUOIA SEMPERVIRENS SCATTERED THROUGOUT. UNDERSTORY IS THICK WITH LOTS OF SLASH. DOMINANT SHRUB IS TOXICODENDRON & DOMINANT HERB IS WHIPPLEA MODESTA.	TIMBER HARVEST ACTIVITIES, ALTHOUGH NO IMPACTS EXPECTED IN 2003.	PVT-PACIFIC LUMBER CO	1200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
163	CHALK MOUNTAINS, 1.3 AIR MILES SSE OF WEONME FLAT ON THE VAN DUZEN RIVER, NORTHWEST OF REDCREST. TWO COLONIES MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 19.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 168)	25-Mar-2003	11 INDIVIDUALS SEEN IN 2003.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1590
164	NORTH SLOPE OF CHADD CREEK, 1.4 AIR MILES SOUTHWEST OF CHADD CREEK, EEL RIVER. MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 8.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 169)	9-Oct-2002	ONE TRACE OCCURRENCE SEEN IN 2002. PRIMARILY CLOSED CANOPY SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST WITH LITHOCARPUS DENSIFLORUS UNDERSTORY. SHRUB COVER IS GENERALLY SPARSE AND COMPOSED OF VACCINIUM OVATUM AND SMALL LITHOCARPUS DENSIFLORUS TREES.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1680

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
165	HORSE PRAIRIE, ALONG PEAVINE ROAD, JUST NORTH OF HUMBOLDT REDWOODS STATE PARK, SOUTH OF REDCREST. MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 16.	Humboldt	Redcrest (4012348)	CNDDB, Jan. 2021 (EO 170)	15-May-2002	ONE MODERATE OCCURRENCE SEEN IN 2002. YOUNG REDWOOD STAND WITH A SMALL COMPONENT OF PSEUDOTSUGA MENZIESII. DOWNED WOODY DEBRIS IS ABUNDANT. DENSE SHRUB GROWTH IN OPENINGS, CONSISTING OF VACCINIUM, TOXICODENDRON DIVERSILOBUM, ET AL. SOIL HAS A POORLY DEVELOPED A-HORIZON.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1400

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
166	NORTH OF GRIZZLY CREEK, ABOUT 2 AIR MILES SOUTH OF BALD JESSE, SOUTHWEST OF YAGER JUNCTION. MAPPED WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 31.	Humboldt	Yager Junction (4012357)	CNDDB, Jan. 2021 (EO 171)	18-Jun-2003	94 INDIVIDUALS OBSERVED IN 2003: 12 TRACE COVER, 33 LOW COVER, 38 MODERATE COVER, 8 HIGH COVER, 3 FESTOONED TREES. IN CLOSED CANOPY SECOND GROWTH TO MIXED AGE SEQUOIA SEMPERVIRENS/PSEUDTSUGA MENZIESII FOREST. UNDERSTORY IS SPARSE TO NONEXISTENT, WITH LOTS OF SLASH. SEQUOIA SEMPERVIRENS DOMINATED WITH VACCINIUM OVATUM & POLYSTICHUM MUNITUM UNDERSTORY.	TIMBER HARVESTING WILL IMPACT SOME OF THIS POPULATION.	PVT-PACIFIC LUMBER CO	1450

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
167	YEAGER CREEK DRAINAGE, 1.2 AIR MILES WNW OF CONFLUENCE OF NORTH AND MIDDLE FORKS, NORTH OF REDCREST. MAPPED WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 4.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 172)	2-Jun-2003	6 INDIVIDUALS SEEN IN 2003: 3 CLASS B (LOW COVER) TREES, 2 CLASS C (MODERATE COVER) TREES, AND 1 CLASS D (HIGH COVER) TREE. DOMINANT TREE SPECIES ARE PSEUDOTSUGA MENZIESII AND SEQUOIA SEMPERVIRENS. DOMINANT SHRUBS: POLYSTICHUM MUNITUM AND RIBES SPP. SLOPE WAS 0-15%, CANOPY COVER RANGED FROM OPEN PRAIRIE/MEADOWS EDGE TO 85%.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2000

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
168	UPPER HELY CREEK, WEST OF REDWOOD HOUSE ROAD, 2.5 AIR MILES SSW OF BLACK BUTTE, VAN DUZEN DRAINAGE. PALCO OCCURRENCE #380. TWO COLONIES MAPPED WITHIN THE SW 1/4 OF THE NW 1/4 OF SECTION 26.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 173)	2002XXXX	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 2002 DIGITAL DATA FROM PALCO. NEEDS FIELDWORK.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2100
169	UPPER HELY CREEK, WEST OF REDWOOD HOUSE ROAD, 3 AIR MILES SSW OF BLACK BUTTE, VAN DUZEN DRAINAGE. PALCO OCCURRENCE #380. MAPPED WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 26.	Humboldt	Owl Creek (4012358)	CNDDB, Jan. 2021 (EO 174)	2002XXXX	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 2002 DIGITAL DATA FROM PALCO. NEEDS FIELDWORK.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1600

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
170	KING RANGE ROAD, NORTHWEST SIDE OF HORSE MOUNTAIN, ALONG TRIBUTARY TO NORTH FORK BEAR CREEK. BLM PLOT LR3. ON NORTHEAST FACING CREEK CANYON. MAPPED NEAR THE CENTER OF THE WESTERN HALF OF SECTION 5.	Humboldt	Honeydew (4012421)	CNDDB, Jan. 2021 (EO 175)	2002XXXX	IN 2002, ONE REMNANT OBSERVED IN A LATE MATURE DOUGLAS-FIR TREE. SITE IS WITHIN A LATE SERAL RESERVE. GROWING IN A LATE MATURE DOUGLAS-FIR TREE.		BLM	1800
171	ALONG HORSE MOUNTAIN ROAD, JUST NORTH OF KING RANGE ROAD, WEST OF THE NORTH FORK BEAR CREEK. BLM PLOT KP6. IN AN EAST FACING CREEK CANYON. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 4.	Humboldt	Honeydew (4012421)	CNDDB, Jan. 2021 (EO 176)	2002XXXX	IN 2002, USNEA WAS FOUND IN A SMALL GROVE OF LATE MATURE DOUGLAS-FIR TREES. AREA IS WITHIN A LATE SERAL RESERVE. SMALL GROVE IN AN EAST FACING CREEK CANYON.		BLM	1370

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
172	EAST OF HORSE MOUNTAIN ROAD, ABOUT 0.5 AIR MILE NNW OF HORSE MOUNTAIN CAMPGROUND, EAST OF THE NORTH FORK BEAR RIVER. BLM PLOT KP4. MAPPED WITHIN THE WESTERN HALF OF THE SE 1/4 OF SECTION 16.	Humboldt	Shelter Cove (4012411)	CNDDB, Jan. 2021 (EO 177)	2002XXX X	IN 2002, FEW REMNANTS SEEN IN LATE MATURE DOUGLAS-FIR TREES. SITE IS WITHIN A LATE SERAL RESERVE. ON EAST FACING SPUR RIDGE WITH SEEPING SLUMPS.		BLM	1760
173	NORTH FORK BEAR RIVER, ABOUT 1.1 AIR MILES NORTHWEST OF NADELOS CAMPGROUND, KING RANGE CONSERVATION AREA. BLM PLOT CM1. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 12.	Humboldt	Shelter Cove (4012411)	CNDDB, Jan. 2021 (EO 178)	2002XXX X	IN 2002, FEW REMNANTS SEEN IN LATE MATURE DOUGLAS- FIR TREES. SITE IS WITHIN A LATE SERAL RESERVE. FORESTED RIPARIAN FLAT.		BLM	1720

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
174	CONFLUENCE OF BEAR TRAP CREEK AND HONEYDEW CREEK, JUST SOUTH OF THE MATTOLE RIVER, KING RANGE. BLM PLOT CM1. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 6.	Humboldt	Honeydew (4012421)	CNDDB, Jan. 2021 (EO 179)	2002XXXX	IN 2002, ONE REMNANT SEEN IN OLD GROWTH BUCKEYE TREE. SITE IS WITHIN A LATE SERAL RESERVE. FORESTED RIPARIAN FLAT.		BLM	300
175	KING RANGE ROAD, ONE AIR MILE SOUTHEAST OF KING PEAK SUMMIT, EAST OF THE KING CREST TRAIL. BLM PLOT LR4. MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 6.	Humboldt	Honeydew (4012421)	CNDDB, Jan. 2021 (EO 180)	2002XXXX	IN 2002, THREE REMNANTS SEEN IN OLD GROWTH DOUGLAS-FIR TREES. SITE IS WITHIN A LATE SERAL RESERVE. NORTHEAST FACING CREEK CANYON.		BLM	2220

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
176	SOUTHERN BEAR TRAP RIDGE, HEADWATERS OF TRIBUTARY TO WOODS CREEK, 2 AIR MILES SSW OF CONFLUENCE WITH THE MATTOLE RIVER. BLM PLOT SE1. MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 15.	Humboldt	Shubrick Peak (4012422)	CNDDB, Jan. 2021 (EO 181)	2002XXX X	IN 2002, TWO REMNANTS SEEN IN OLD GROWTH DOUGLAS-FIR TREES. SITE IS WITHIN A LATE SERAL RESERVE. NNE FACING CREEK CANYON.		BLM	2000
177	EASTERN SLOPE OF RAINBOW RIDGE, 1.2 AIR MILES NNW OF SOUTH RAINBOW PEAK, WEST OF BULL CREEK. MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 24.	Humboldt	Bull Creek (4012431)	CNDDB, Jan. 2021 (EO 182)	2002XXX X	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 2002 DIGITAL DATA FROM PALCO. NEEDS FIELDWORK.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2790

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
178	SOUTH OF UPPER BULL CREEK RANGER STATION ON BULL CREEK, ALONG GRASSHOPPER ROAD, HUMBOLDT REDWOODS STATE PARK. MAPPED IN VICINITY OF SQUAW CREEK RIDGE ROAD. MAPPED MOSTLY WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 30.	Humboldt	Bull Creek (4012431)	CNDDB, Jan. 2021 (EO 183)	19-Jun-2003	HEALTHY POPULATION SEEN IN 2003. LITHOCARPUS DENSIFLORUS. 50% SLOPE, NNE-FACING.	ROAD RELATED DISTURBANCES.	Humboldt Redwoods State Park	770

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
179	EAST SLOPE RAINBOW RIDGE, ALONG UNNAMED TRIB TO BEAR RIVER, 1.8 AIR MI SSE OF CONFLUENCE OF BEER BOTTLE CR & BEAR RIVER. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 13 AND THE NE 1/4 OF THE NW 1/4 OF SECTION 24.	Humboldt	Buckeye Mtn. (4012432)	CNDDB, Jan. 2021 (EO 184)	29-May-2002	ONE TRACE OCCURRENCE AND 3 LOW COVER OCCURRENCES SEEN IN 2002 BETWEEN THIS OCCURRENCE AND OCCURRENCE #185. FOREST STANDS GENERALLY CONSIST OF RESIDUAL PSEUDOTSUGA MENZIESII WITH A DENSE SUB-CANOPY OF LITHOCARPUS DENSIFLORUS. MAJORITY OF UNDERSTORY CONTAINS LITHOCARPUS DENSIFLORUS, BUT ALSO HAS CHRYSOLEPIS CHRYSOPHYLLA, ARBUTUS MENZIESII, ET AL.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1750

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
180	UPPER EASTERN SLOPE RAINBOW RIDGE, ALONG UNNAMED TRIBUTARY TO BEAR RIVER, 1.2 AIR MILES NORTH OF DEVILS HOLE. MAPPED WITHIN THE NW 1/4 OF THE SE 1/4 OF SECTION 24.	Humboldt	Buckeye Mtn. (4012432)	CNDDB, Jan. 2021 (EO 185)	29-May-2002	ONE TRACE OCCURRENCE AND 3 LOW COVER OCCURRENCES SEEN IN 2002 BETWEEN THIS OCCURRENCE AND OCCURRENCE #184. FOREST STANDS GENERALLY CONSIST OF RESIDUAL PSEUDOTSUGA MENZIESII WITH A DENSE SUB-CANOPY OF LITHOCARPUS DENSIFLORUS. MAJORITY OF UNDERSTORY CONTAINS LITHOCARPUS DENSIFLORUS, BUT ALSO HAS CHRYSOLEPIS CHRYSOPHYLLA, ARBUTUS MENZIESII, ET AL.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2340

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
181	WEST OF UNNAMED TRIBUTARY TO THE EEL RIVER, 0.8 AIR MILE NORTH OF THE FLEISHER MEMORIAL BRIDGE, EAST OF SCOTIA. MAPPED WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 16.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 186)	25-Jul-2003	IN 2003, USNEA FOUND GROWING IN A SINGLE DOUGLAS-FIR TREE. IN REDWOOD FOREST WITH SCATTERED GRAND FIR TREES THROUGHOUT. CANOPY COVER IS APPROXIMATELY 80%. SLOPE IS 10-50%. UNDERSTORY DOMINANTS INCLUDE GAULTHERIA SHALLON, VACCINIUM OVATUM, TOXICODENDRON DIVERSILOBUM, POLYSTICHUM MUNITUM, ET AL.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1045
182	SOUTH OF MOORES PRAIRIE, ALONG UNNAMED TRIBUTARY TO MONUMENT CREEK, ABOUT 0.5 AIR MILE EAST OF FOREST HOME. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 24.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 187)	27-Oct-2003	5-10 INDIVIDUALS SEEN IN 2003. GROWING IN PREDOMINANTLY DOUGLAS-FIR FOREST WITH SCATTERED REDWOODS. PRESENT IN VARIOUS LOCATIONS THROUGHOUT THE AREA. MORE DETAILED INFO NEEDED.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1125

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
183	NORTH SLOPE MONUMENT RIDGE, UPPER TWIN CREEK, 2.2 AIR MILES ENE OF MT. PIERCE, SOUTH OF STAFFORD ALONG THE EEL RIVER. MAPPED MOSTLY WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 32 AND THE NW 1/4 OF THE SW 1/4 OF SECTION 33.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 188)	17-May-2002	37 INDIVIDUALS SEEN IN 2002: 1 CLASS A (TRACE COVER), 21 CLASS C (MODERATE COVER) AND 15 CLASS D (HIGH COVER). GROWING IN SECOND GROWTH SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII AND LITHOCARPUS DENSIFLORUS. SHRUB LAYER IS COMPOSED PREDOMINANTLY OF VACCINIUM.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2000
184	RIDGE EXTENDING SOUTH FROM MT. PIERCE, ABOUT 1 AIR MILE SOUTH OF SUMMIT, SOUTH OF SCOTIA. MAPPED WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 12.	Humboldt	Scotia (4012441)	CNDDB, Jan. 2021 (EO 189)	10-Jun-2003	4 INDIVIDUALS SEEN IN 2003. DOMINANT TREE SPECIES: LITHOCARPUS DENSIFLORUS, PSEUDOTSUGA MENZIESII, AND ARBUTUS MENZIESII. DDOMINANT SHRUBS: BERBERIS NERVOSA, CHRYSOLEPIS CHRYSOPHYLLA, GAULTHERIA SHALLON, AND VACCINIUM OVATUM. STAND AGE IS 20 TO 50 YEARS.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2300

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
185	WEST OF SCOTT CREEK, ABOUT 0.6 AIR MILE NORTHWEST OF SUMMIT OF MT. BALDY, SSW OF BRIDGEVILLE. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 8.	Humboldt	Bridgeville (4012347)	CNDDB, Jan. 2021 (EO 190)	2002XXXX	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 2002 DIGITAL DATA FROM PALCO. NEEDS FIELDWORK.		PVT-PACIFIC LUMBER CO	1925
186	WEST OF UPPER ATWELL CREEK, 1.9 AIR MILES SOUTHEAST OF HACKETSVILLE, EAST OF MOORES PRAIRIE, WEST OF SCOTIA. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 14.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 191)	12-Feb-2002	ONE OCCURRENCE SEEN IN 2002. FOUND IN VERY OPEN SECOND GROWTH PSEUDOTSUGA MENZIESII/ABIES GRANDIS FOREST WITH SCATTERED THUJA PLICATA, LITHOCARPUS DENSIFLORUS, ARBUTUS MENZIESII, AND SEQUOIA SEMPERVIRENS.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	975

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
187	BETWEEN MONUMENT ROAD AND MONUMENT CREEK, ABOUT 1.5 AIR MILES NNE OF MT. PIERCE, SOUTHWEST OF SCOTIA. NUMEROUS COLONIES MAPPED AS EIGHT POLYGONS BY CNDDB. MOSTLY FOUND NEAR THE CENTER OF SECTION 25.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 192)	26-Jul-2003	USNEA FOUND IN UNKNOWN NUMBER OF TREES IN 2002. SEEN IN 232 TREES IN 2003: 54 TRACE COVER, 51 LOW COVER, 106 MODERATE COVER, 21 HIGH COVER, AND 1 FESTOONED TREE (MORE THAN 40% OCCUPIED). MODERATELY OPEN TO SEMI-CLOSED CANOPY DOMINATED BY PSEUDOTSUGA MENZIESII, SEQUOIA SEMPERVIRENS, AND LITHOCARPUS DENSIFLORUS. THE UNDERSTORY VARIES FROM HERB DOMINATED WITH LARGE FALLEN TREES AND WOODY DEBRIS, TO SHRUB-DOMINATED.	TIMBER HARVEST MAY MINIMALLY IMPACT A SMALL NUMBER OF HOST TREES. OVER 80% OF HOST TREES ARE WITHIN A NO HARVEST AREA.	PVT-PACIFIC LUMBER CO	1750

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
188	NORTHEAST SLOPE OF RAINBOW PEAK, WEST OF THE BEAR RIVER, DOWNSTREAM FROM BEER BOTTLE CREEK. NORTH AND SOUTH OF JEEP TRAIL HEADING FROM SUMMIT DOWN TO THE BEAR RIVER. MAPPED IN THE CENTER OF THE S 1/2 OF SECTION 2 AND THE N 1/2 OF THE NE 1/4 OF SECTION 11.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 193)	25-Jun-2002	IN 2002, USNEA FOUND IN 30 TREES INCLUDING 2 TRACE COVER TREES, 3 LOW COVER TREES, 16 MODERATE COVER TREES, 8 HIGH COVER TREES, AND 1 FESTOONED TREE. SCATTERED GROUPS OF MATURE PSEUDOTSUGA MENZIESII, WITH A SECONDARY COMPONENT OF LITHOCARPUS DENSIFLORUS AND ARBUTUS MENZIESII; FOREST FLOOR IS MOSTLY SHADED WITH HARDWOOD LEAAF LITTER. PATCHES OF HUCKLEBERRY, SALAL AND SWORD FERN PRESENT.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1500

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
189	RAINBOW RIDGE, HEADWATERS OF BEER BOTTLE CREEK, ABOUT 1 AIR MILE ESE OF RAINBOW PEAK. MAPPED WITHIN THE NE 1/4 OF THE NW 1/4 OF SECTION 14.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 194)	4-Jun-2003	8 INDIVIDUALS SEEN IN 2003. CLOSED CANOPY PSEUDOTSUGA MENZIESII FOREST WITH A WELL DEVELOPED DUFF LAYER OVERLAYING ROCKY SOILS. VERY OPEN UNDERSTORY/SHRUB LAYER. MANY AREAS CARPETED WITH SCOLIOPUS, OXALIS, AND CLAYTONIA.	TIMBER HARVEST ACTIVITIES WILL OCCUR ADJACENT TO HOST TREES.	PVT-PACIFIC LUMBER CO	2100

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
190	ALONG JEEP ROAD ABOUT 0.4 MILE EAST OF BLAINE PRAIRIE, YAGER CREEK DRAINAGE, NNE OF CARLOTTA. MAPPED WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 25.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 195)	13-May-2002	IN 2002, 17 TREES FOUND WITH USNEA BETWEEN THIS OCCURRENCE AND OCCURRENCE #196: 7 CLASS A (TRACE COVER), 2 CLASS B (LOW COVER), 7 CLASS C (MODERATE COVER), AND 1 CLASS D (HIGH COVER). GROWING IN PSEUDOTSUGA MENZIESII/LITHOCARPUS DENSIFLORUS/SEQUOIA SEMPERVIRENS STAND. OVERSTORY COVER IS LOW TO MODERATE. UNDERSTORY IS BRUSHY IN OPENINGS, WITH ABUNDANT CEANOTHUS THYRSIFLORUS AND GAULTHERIA SHALLON. REL. YOUNG STAND.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2040

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
191	ALONG JEEP ROAD ABOUT 0.8 MILE EAST OF BLAINE PRAIRIE, YAGER CREEK DRAINAGE, NNE OF CARLOTTA. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 25.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 196)	13-May-2002	IN 2002, 17 TREES FOUND WITH USNEA BETWEEN THIS OCCURRENCE AND OCCURRENCE #195: 7 CLASS A (TRACE COVER), 2 CLASS B (LOW COVER), 7 CLASS C (MODERATE COVER), AND 1 CLASS D (HIGH COVER). GROWING IN PSEUDOTSUGA MENZIESII/LITHOCARPUS DENSIFLORUS/SEQUOIA SEMPERVIRENS STAND. OVERSTORY COVER IS LOW TO MODERATE. UNDERSTORY IS BRUSHY IN OPENINGS, WITH ABUNDANT CEANOTHUS THYRSIFLORUS AND GAULTHERIA SHALLON. GENERALLY YOUNG STAND.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	2100

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
192	ALONG UNNAMED TRIBUTARY TO YAGER CREEK, 0.6 AIR MILE NNE OF CONFLUENCE OF BLANTON & YAGER CREEKS, NORTHEAST OF CARLOTTA. MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 6.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 197)	12-Aug-2003	IN 2003 USNEA FOUND IN A SMALL TANOAK (LOW COVER) AND A LARGE DOUGLAS-FIR (LOW COVER). DOMINANT TREE SPECIES WAS SEQUOIA SEMPERVIRENS. ABIES GRANDIS, PSEUDOTSUGA MENZIESII, & LITHOCARPUS DENSIFLORUS SCATTERED THROUGHOUT THE UNIT. THICK PATCHES OF CEANOTHUS THROUGHOUT THE AREA. SHRUB COVER WAS DOMINANTED BY VACCINIUM.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	1200

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
193	ALONG UNNAMED TRIBUTARY TO YAGER CREEK, 0.85 AIR MILE SSE OF YAGER CAMP, NORTH OF CARLOTTA. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 15.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 198)	29-Jul-2003	15 INDIVIDUALS SEEN IN 2003 BETWEEN THIS OCCURRENCE AND OCCURRENCE #210. FOUND IN SEQUOIA SEMPERVIRENS/PSEU DOTSUGA MENZIESII FOREST. SLOPE IS 5-25%. STAND AGE IS 30-60 YEARS. ASSOCIATES INCLUDE TOXICODENDRON DIVERSILOBUM, RUBUS PARVIFLORUS, R. LEUCODERMIS, AND WHIPPLEA MODESTA.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	290

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
194	MCWHINNEY CREEK DRAINAGE, ABOUT 1 AIR MILE NNE OF CONFLUENCE WITH NORTH FORK ELK RIVER, EAST OF ELK RIVER SCOUT CAMP. MAPPED WITHIN THE NE 1/4 OF THE NW 1/4 OF SECTION 27.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 199)	11-Jul-2003	IN 2002 ONE TREE WITH MODERATE COVER OF USNEA SEEN. IN 2003, 5 TREES SEEN WITH USNEA: 1 CLASS A (TRACE COVER), 1 CLASS B (LOW COVER), AND 3 CLASS C (MODERATE COVER). SECOND GROWTH SEQUOIA SEMPERVIRENS AND PSEUDOTSUGA MENZIESII FOREST WITH A SPARSE SUBCANOPY OF LITHOCARPUS DENSIFLORUS, SEQUOIA SEMPERVIRENS, AND PSEUDOTSUGA MENZIESII. SPARSE TO MODERATE SHRUB LAYER WITH VACCINIUM OVATUM, ET AL.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	530

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
195	HEAD OF THE SOUTH FORK ELK RIVER, HEADWATERS RESERVE. BLM PLOT EOR. MAPPED WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 23.	Humboldt	McWhinney Creek (4012461)	CNDDB, Jan. 2021 (EO 200)	2002XXXX	SEEN IN 7 TREES IN 2002. IN NW FACING CREEK CANYON. FOUND IN OLD GROWTH DOUGLAS-FIR AND REDWOOD.	LOGGING.	CDFW Headwaters Forest Reserve	1000
195	Arcata Bureau of Land Management.	Humboldt	McWhinney Creek (4012461)	CNALH Apr. 2021 (UC1799903)	2-Nov-2003	Fully shaded dense forest, Mesic, Slope. On Sequoia sempervirens.		CDFW Headwaters Forest Reserve	1280

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
196	BIG FLAT FOREST SERVICE STATION, EAST OF HURDYGURDY CREEK JUST UPSTREAM FROM CONFLUENCE WITH THE SMITH RIVER. MAPPED WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 23.	Del Norte	Cant Hook Mtn. (4112368)	CNDDB, Jan. 2021 (EO 201)	22-Aug-2002	USNEA SEEN IN 4 TO 10 TREES IN 2002. HABITAT IS PSEUDOTSUGA MENZIESII SERIES WITH PSEUDOTSUGA MENZIESII DOMINANT. ASSOCIATES INCLUDE: UMBELLULARIA CALIFORNICA, LITHOCARPUS DENSIFLORUS, QUERCUS CHRYSOLEPIS, VACCINIUM OVATUM, PTERIDIUM AQUILINUM, AND POLYSTICHUM MUNITUM.	NEAR CAMPGROUND.	Six Rivers NF	675
196		Del Norte	Cant Hook Mtn. (4112368)	(OCT24 2003_TEC03PURP_BF1_USLO50)	11-Mar-2004	1 individuals		Six Rivers NF	
196	PURPOSIVE SURVEYS 2002	Del Norte	Cant Hook Mtn. (4112368)	(OCT24 2003_TEC03PURP_BF1_USLO50)	22-Aug-2002	Landform: Flat. Community Age: 80. Seral stage: MID-MATURE.		Six Rivers NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
196		Del Norte	Cant Hook Mtn. (4112368)	(0510_51_USLO50_BIG07_FLATCG)	16-May-2007	100 individuals		Six Rivers NF	
196		Del Norte	Cant Hook Mtn. (4112368)	(0510_51_USLO50_BIG07_FLATCG)	24-Aug-2018	4 individuals. Appears that more thalli are higher in crown. In 2018, RATH2 NF at original coordinates.		Six Rivers NF	
196	Six Rivers National Forest, Gasquet Ranger District, Big Flat Campground	Del Norte	Cant Hook Mtn. (4112368)	CNALH Apr. 2021 (UC1799970)	22-Aug-2002	Partially shaded forest. On Pseudotsuga menziesii .		Six Rivers NF	675
197	GASQUET, SOUTH OF HIGHWAY 199 AND 0.55 AIR MILE WEST OF WATER TANK, SOUTH OF THE SMITH RIVER. MAPPED WITHIN THE NE 1/4 OF THE NW 1/4 OF SECTION 29.	Del Norte	Gasquet (4112378)	CNDDB, Jan. 2021 (EO 202)	XXXXXXXX	USNEA FOUND AT FEWER THAN 3 TREES AT TWO NEARBY SITES. UNKNOWN WHEN SEEN.		Six Rivers NF	485
197	GASQUET CPP. HWY 101 TO HWY 199 TO GASQUET RANGER STATION.	Del Norte	Gasquet (4112378)	(0510_USLO50_TEC03_GACPP)	17-Dec-2001			Six Rivers NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
197	Six Rivers National Forest, Gasquet Ranger District.	Del Norte	Gasquet (4112378)	CNALH Apr. 2021 (UC1799972)	17-Dec-2001	Partially shaded, Mesic. On Rhododendron macrophyllum.		Six Rivers NF	520
197	GASQUET CPP. HWY 101 TO HWY 199 TO GASQUET RANGER STATION.	Del Norte	Gasquet (4112378)	(0510_PVT_USLO50_TEC01_GACPP)	25-Mar-2002			Six Rivers NF	
197	Six Rivers National Forest, Gasquet Ranger District, near Gasquet Ranger Station	Del Norte	Gasquet (4112378)	CNALH Apr. 2021 (UC1799971)	25-Mar-2002	Partially shaded, Mesic. On Vaccineum ovalifolium.		Six Rivers NF	480
198	FRENCH HILL TRAIL, NEAR WATER TANK, SOUTH OF GASQUET TRAILER PARK. MAPPED WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 29.	Del Norte	Gasquet (4112378)	CNDDB, Jan. 2021 (EO 203)	XXXXXXXX	USNEA SEEN ON FEWER THAN 3 SMALL TREES, NO "SEED TREE" VISIBILE IN VICINITY. UNKNOWN WHEN SEEN. ASSOCIATES INCLUDE PSEUDOTSUGA MENZIESII, LITHOCARPUS DENSIFLORUS, VACCINIUM OVATUM, ET AL.	PRIOR TIMBER HARVEST.	Six Rivers NF	560
198	GASQUET CPP. HWY 101 TO HWY 199 TO GASQUET RANGER STATION.	Del Norte	Gasquet (4112378)	(0510_USLO50_TEC02_GACPP)	21-Dec-2001			Six Rivers NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
198	Six Rivers National Forest, Gasquet Ranger District, Rowdy Creek. Six Rivers National Forest, Gasquet Ranger District, French Hill Trail past fork at watertank, at first minor draw crossing	Del Norte	Gasquet (4112378)	CNALH Apr. 2021 (UC1799974)	21-Dec-2001	Partially shaded. Mesic. Growing on Alnus rubra bark.		Six Rivers NF	560
199	FRENCH HILL TRAIL, ABOUT 0.8 AIR MILE NORTH OF FRENCH FLAT, SOUTH OF GASQUET. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 29.	Del Norte	Gasquet (4112378)	CNDDB, Jan. 2021 (EO 204)	XXXXXXXX	USNEA SEEN ON FEWER THAN 3 SMALL TREES, NO "SEED TREE" VISIBLE IN VICINITY. UNKNOWN WHEN SEEN. ASSOCIATES INCLUDE PSEUDOTSUGA MENZIESII, LITHOCARPUS DENSIFLORUS, VACCINIUM OVATUM, ET AL.	PRIOR TIMBER HARVEST.	Six Rivers NF	560
199	GASQUET CPP. Maps along French Hill Trail. HWY 101 TO HWY 199 TO GASQUET RANGER STATION.	Del Norte	Gasquet (4112378)	(0510_USLO50_TEC01_GACPP)	21-Dec-2001			Six Rivers NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
199	Six Rivers National Forest, Gasquet Ranger District, French Hill Trail across from Gasquet Ranger Station before trail crosses major draw.	Del Norte	Gasquet (4112378)	CNALH Apr 2021 (UC1799973)	21-Dec-2001	Partially Shaded Mesic. Growing on Vaccinium ovalifolium.		Six Rivers NF	1150
200	HOLIDAY ROAD, ALONG THE WEST FORK PATRICK RIVER, ABOUT 1.2 AIR MILES NORTH OF SHELLY CREEK CAMPGROUND. MAPPED WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 29.	Del Norte	Shelly Creek Ridge (4112387)	CNDDB, Jan. 2021 (EO 205)	19-Sep-2002	USNEA FOUND ON FEWER THAN THREE TREES IN 2002. HABITAT IS DOMINATED BY PSEUDOTSGUA MENZIESII, WITH UMBELLULARIA CALIFORNICA AND QUERCUS CHRYSOLEPIS. SITE IS TOWARDS THE EASTERN EDGE OF THE COASTAL FOG BELT. ATYPICAL EXPOSED SITE WITH SERPENTINE INFLUENCE.	USNEA IS FOUND VERY LOW ON A SMALL TREE; COULD BE IMPACTED BY A BRUSH FIRE.	Six Rivers NF	1360

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
200	HWY 101 TO HWY 199 TO PATRICK CREEK LODGE. TAKE COUNTY 316 TO 314, CONTINUE N TO 315. CONTINUE N APPROX. 0.25MI.PURPOSIVE SURVEYS 2002	Del Norte	Shelly Creek Ridge (4112387)	(0510_USLO50_TEC01_PURP_SC1)	19-Sep-2002	Landform: Hillslope. Community Age: 200. Seral stage: LATE MATURE.		Six Rivers NF	
200	Six Rivers National Forest, Gasquet Ranger District, Patricks Creek.	Del Norte	Shelly Creek Ridge (4112387)	CNALH Apr. 2021 (UC1799908)	19-Sep-2002	Partially Shaded Creek, moist Roadside. On Arbutus menziesii.		Six Rivers NF	1340
201	SHEEP PEN CREEK, 0.6 AIR MILE SSE OF CONFLUENCE WITH THE SMITH RIVER, SOUTHEAST OF DOUGLAS PARK, SMITH RIVER NRA. MAPPED WITHIN THE NE 1/4 OF THE SW 1/4 OF SECTION 15.	Del Norte	Hiouchi (4112471)	CNDDB, Jan. 2021 (EO 206)	19-Sep-2002	USNEA FOUND ON 10-40 TREES IN 2002. HABITAT IS SEQUOIA SEMPERVIRENS SERIES. AREA SHOWS SERPENTINE INFLUENCE AND LIES WITHIN COASTAL FOG INFLUENCE.	POSSIBILITY OF CANOPY FIRE.	Six Rivers NF	850

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
201	PURPOSIVE SURVEYS 2002. HWY 101 TO HWY 199 TO SOUTH FORK ROAD TO COUNTY 417 TO CROSSING WITH SHEEP PEN CREEK. S UP CREEK ~0.6MI.	Del Norte	Hiouchi (4112471)	(0510_USLO50_TEC01_PURP_SP1)	21-Aug-2002	Landform: Drainage. Community Age: 200. Seral stage: LATE MATURE.		Six Rivers NF	
202	UPPER ROWDY CREEK, 1.8 AIR MILES EAST OF HOLE-IN-THE-GROUND, NORTH OF HIGH DIVIDE, SIX RIVERS NATIONAL FOREST. MAPPED WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 15.	Del Norte	High Divide (4112481)	CNDDB, Jan. 2021 (EO 207)	19-Sep-2002	USNEA FOUND ON FEWER THAN 3 TREES IN 2002. WITHIN THE SMITH RIVER NRA. HABITAT IS RIPARIAN COASTAL CONIFER FOREST. AREA LIES WITHIN COASTAL FOG BELT.	POSSIBILITY OF CANOPY FIRE.	Six Rivers NF	1360

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
202	PURPOSIVE SURVEYS 2002. HWY 101 TO COUNTY 308 (LOW DIVIDE ROAD) TO COUNTY 305 (WEIMER) TO 18N20. FOLLOW 18N20 UNTIL TOO BRUSHED-OUT TO CONTINUE. WALK 18N20 A SHORT DISTANCE TO SPUR ON RIGHT, FOLLOW SPUR TO MINOR DRAW, FOLLOW MINOR DRAW TO TRIB OF ROWDY CREEK.	Del Norte	High Divide (4112481)	(0510_USLO50_TEC02_PURP_RC1)	18-Sep-2002	Landform: Hillslope. Community Age: 400. Seral stage: OG.		Six Rivers NF	

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in pink.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
203	AT THE CORNER OF KINGS RIDGE ROAD AND HAUSER BRIDGE ROAD, NORTHEAST OF PLANTATION. 33175 KINGS RIDGE ROAD. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 23.	Sonoma	Plantation (3812353)	CNDDB, Jan. 2021 (EO 208)	23-Aug-2003	MANY INDIVIDUALS SEEN IN 2003, BUT POPULATION IS SPARSE COMPARED TO OTHER SITES IN THE NEAR VICINITY. SITE HAS BEEN LOGGED. IN SECOND GROWTH SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII/OAK WOODLAND FOREST.	PORTION OF PROPERTY PROPOSED FOR VINEYARD CONVERSION, AREA OF USNEA IS OUTSIDE OF PROPOSED AREA. LOGGING.	PVT	1000
204	UPPER CASPER CREEK DRAINAGE, 2.2 AIR MILES SSE OF NOYO HILL, JACKSON DEMONSTRATION STATE FOREST. MAPPED WITHIN THE NE 1/4 OF THE SW 1/4 OF SECTION 35.	Mendocino	Noyo Hill (3912346)	CNDDB, Jan. 2021 (EO 209)	5-Feb-2004	FEWER THAN 5 INDIVIDUALS SEEN IN 2004. SITE IS KNOWN BY STAFF AND WILL BE MANAGED FOR PROTECTION. BISHOP PINES ARE DECLINING AT THIS SITE. NORTH COAST CONIFEROUS FOREST. IN SECOND GROWTH, ABOUT 100 YEAR OLD PSEUDOTSUGA MENZIESII, ABIES GRANDIS, AND PINUS MURICATA. OVERSTORY IS 50% CANOPY COVER. WITH SEQUOIA SEMPERVIRENS AND LITHOCARPUS DENSIFLORUS.	THREATENED BY POTENTIAL ILLEGAL WOOD CUTTING.	California Department of Forestry and Fire Protection Jackson Demonstration State Forest	900

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
205	ALONG UNNAMED TRIBUTARY TO YAGER CREEK, 0.7 AIR MILE SOUTHEAST OF YAGER CAMP, NORTH OF CARLOTTA. MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 15.	Humboldt	Hydesville (4012451)	CNDDB, Jan. 2021 (EO 210)	29-Jul-2003	15 INDIVIDUALS SEEN IN 2003 BETWEEN THIS OCCURRENCE AND OCCURRENCE #198. FOUND IN SEQUOIA SEMPERVIRENS/PSEUDOTSUGA MENZIESII FOREST. SLOPE IS 5-25%. STAND AGE IS 30-60 YEARS. ASSOCIATES INCLUDE TOXICODENDRON DIVERSILOBUM, RUBUS PARVIFLORUS, R. LEUCODERMIS, AND WHIPPLEA MODESTA.	TIMBER HARVEST ACTIVITIES.	PVT-PACIFIC LUMBER CO	520
206	WEST OF MONUMENT RIDGE, ABOUT 0.17 AIR MILE NORTH OF CHASE RANCH, NORTH OF BEAR CREEK. JUST NORTH OF DIRT ROAD. MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 SECTION 30.	Humboldt	Taylor Peak (4012442)	CNDDB, Jan. 2021 (EO 211)	2002XXXX	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 2002 DIGITAL DATA FROM PALCO. NEEDS FIELDWORK.		PVT-PACIFIC LUMBER CO	2090
207	Within highway ROW, upslope from Lupton Creek on a mature white oak.	Humboldt	Lord-Ellis Summit (4012387)	Calflora, Apr. 2021 (io22062)	23-Sep-2019	1 individuals		Unknown	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
208	Cameron Road, Elk, CA.	Mendocino	Elk (3912326)	Calflora, Apr. 2021 (gp6648)	7-Aug-2017	11 - 50 individuals		Unknown	
209	Maps to hillslope N of Hiouchi.	Del Norte	Hiouchi (4112471)	(0510_51_USLO50_2005_2)	23-Jul-2005	1 individuals		Six Rivers NF	
210		Del Norte	High Divide (4112481)	(51USLO20JDM025)	28-Jul-2020	1 individuals		Six Rivers NF	
211		Del Norte	Gasquet (4112378)	(0510_51_USLO50_2005_1)	25-Aug-2005	2 individuals		Six Rivers NF	
212		Del Norte	Gasquet (4112378)	(051051USLO50_2004_2)	4-Mar-2004			Six Rivers NF	
212	Six Rivers National Forest.	Del Norte	Gasquet (4112378)	CNALH Apr. 2021 (UC1799967)	4-Mar-2004	Partially shaded dense forest, mesic, slope. On branch of Rhododendron macrophyllum.		Six Rivers NF	1231
213		Del Norte	Hiouchi (4112471)	(051051USLO50_2004_1)	6-May-2004			Six Rivers NF	
214	Maps to hillslope NE of Hiouchi.	Del Norte	Hiouchi (4112471)	(051051USLO50_2005_3)	26-Jul-2005			Six Rivers NF/Private	
214	Maps to hillslope NE of Hiouchi.	Del Norte	Hiouchi (4112471)	(0510_51_USLO_JAM1)	26-Jul-2005	3000 individuals		Six Rivers NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
215	Maps to undeveloped road E of Wimer Rd.	Del Norte	Hiouchi (4112471)	(0510_USLO50_51_0003)	2-Mar-2004			Six Rivers NF	
215		Del Norte	Hiouchi (4112471)	(0510_USLO50_51_0003)	25-Jul-2005	5 main festooned trees, mid-mature Doug-fir, along 17N23		Six Rivers NF	
215	Six Rivers NF	Del Norte	Hiouchi (4112471)	CNALH Apr 2021 (UC1799969)	2-Mar-2004	Partially Shaded Open Forest Mesic Ridge. Growing on Pseudotsuga menziesii.		Six Rivers NF	1536
216		Del Norte	Hiouchi (4112471)	(0510_USLO50_51_0004)	18-Aug-2004			Six Rivers NF	
216		Del Norte	Hiouchi (4112471)	(0510_USLO50_STN11_FB_CLS001)	21-Apr-2011	1 individual. On branch of 8 inch QUCH2 adjacent to 17N22.		Six Rivers NF	
216	Myrtle Creek	Del Norte	Hiouchi (4112471)	(0510_USLO50_51_0004)	25-Aug-2010	17 individuals		Six Rivers NF	
217		Del Norte	Shelly Creek Ridge (4112387)	(0510_USLO50_51_0005)	5-Aug-2004			Six Rivers NF	
218	Maps to ridge NNW of Hiouchi	Del Norte	Hiouchi (4112471)	(0510_USLO50_510059001)	13-Jul-2005	12 individuals		Six Rivers NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
218	Maps to ridge NNW of Hiouchi	Del Norte	Hiouchi (4112471)	(0510_USLO50_51_0007)	13-Jul-2005			Six Rivers NF	
219		Del Norte	Hiouchi (4112471)	(0510_USLO50_510059003)	27-Jul-2005	3 individuals		Six Rivers NF	
220	PURPOSIVE SURVEYS 2002. HWY 101 TO HWY 199 TO MYRTLE CREEK TRAILHEAD (OPPOSITE JUNCTION OF 199 AND SOUTH FORK ROAD) TO END OF TRAIL. DROP DOWN INTO CREEK AND PROCEED N APPROX. 1MI.	Del Norte	Hiouchi (4112471)	(0510_USLO50_TEC06_PURP_MC1)	29-Aug-2002	Landform: Channel. Community Age: 80. Seral stage: MID-MATURE.		Six Rivers NF	
221	Maps to near Bridgeville	Humboldt	Bridgeville (4012347)	(0510_USLO50_00_INC08_INC_TEC05)	23-Oct-2008	1 individuals		Unknown	
222		Del Norte	Hiouchi (4112471)	(0510_USLO50_51_GOR09_INCDJG10)	18-Oct-2009			Six Rivers NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
223	Maps to hill SW of French Hill.	Del Norte	Gasquet (4112378)	(0510_USLO50_51_GOR09_78DJG11)	20-Oct-2009			Six Rivers NF	
223	Maps to hill SW of French Hill.	Del Norte	Gasquet (4112378)	0510_USLO50_51_GOR09_78DJG12)	20-Oct-2009			Six Rivers NF	
223	Maps to hill SW of French Hill.	Del Norte	Gasquet (4112378)	(0510_USLO50_51_GOR09_78DJG13)	20-Oct-2009			Six Rivers NF	
224		Del Norte	Gasquet (4112378)	(0510_USLO50_51_GOR10_07TEC05)	8-Jul-2010			Six Rivers NF	
225		Del Norte	Hiouchi (4112471)	(0510_USLO50_51_0002)	4-Oct-2010			Six Rivers NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
226	HWY 101 TO HWY 199 TO SOUTH FORK ROAD TO PARADISE TRAIL TO LITTLE BALD HILLS TRAIL TO POINT WHERE SECOND CREEK WASHES ACROSS ROAD. EASIEST ACCESS FROM HERE IS UP THE SHOULDER OF THE HILL.	Del Norte	Cant Hook Mtn. (4112368)	(0510_USLO50_TEC01_INC)	13-Feb-2003	AREA OF SERPENTINE INFLUENCE Landform: Hillslope. Seral stage: MID-MATURE W/PREDOMS.		Six Rivers NF	
226	Six Rivers National Forest, Rattlesnake Ridge	Del Norte	Cant Hook Mtn. (4112368)	CNALH Apr. 2021 (UC1799955)	13-Feb-2003	Maximum Sun Exposed Open Forest Moist Slope. On Arctostaphylos sp.		Six Rivers NF	1299
227	Maps to ridge between Humboldt Flat and French Hill.	Del Norte	Gasquet (4112378)	(0510USLO50_GOR13_81_TEC001)	10-Jul-2013	20 individuals. On an isolated Jeffrey pine in center of an exposed FEID grassland.		Six Rivers NF	
227	Maps to ridge between Humboldt Flat and French Hill.	Del Norte	Gasquet (4112378)	(0510USLO50_GOR13_81_TEC001)	10-Jul-2013	20 individuals		Six Rivers NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
228		Del Norte	High Divide (4112481)	(0510_51_USLO50_INC12_LDH001)	25-Apr-2012	5 individuals. Roadside occurrence--thalli on dead Doug-fir.		Six Rivers NF	
229		Del Norte	Gasquet (4112378)	(0510_51_USLO50_INC13AC002)	10-Jun-2013	5 individuals		Six Rivers NF	
230	Simpson-Reed Discovery Tr. Redwood NP. W of Crescent City	Del Norte	High Divide (4112481)	CNALH, Apr. 2021 (SRP-L-0009000)	24-Nov-1995	Old growth Sequoia sempervirens. Growing on bark.		Redwood National Park	1000
231	Six Rivers National Forest, Gasquet Ranger District, Rowdy Creek.	Del Norte	High Divide (4112481)	CNALH, Apr. 2021 (UC1799975)	18-Sep-2002	Partially shaded dense forest, stream, moist, slope. Growing on litterfall.		Six Rivers NF	690
232	Six Rivers National Forest, Gasquet Ranger District, Sheep Pen Creek [Maps off Forest land]	Del Norte	Hiouchi (4112471)	CNALH, Apr. 2021 (UC1799907)	21-Aug-2002	Partially shaded creek. Growing on Rhododendron occidentale bark.		Unknown	500
233	On Boy Scout trail, Del Norte Coast, Del Norte Coast Redwood state park. [Maps within Jedediah Smith Redwoods SP]	Del Norte	Hiouchi (4112471)	CNALH, Apr. 2021 (O-208008)	20-Dec-2007	Growing on fallen Sequoia sempervirens.		Jedediah Smith Redwoods SP	676

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
234	Woods near Boynton Prairie.	Humboldt	Arcata South (4012471)	CNALH, Apr. 2021 (UC977960, UC1902677, COLO-L-0046253, MICH13 3925, S-F209102)	14-Sep-1924	In woods. Pendent from trees in long streamers. Growing on bark.		Unknown	2000
235	Carlotta, Grizzly Creek State Park	Humboldt	Hydesville (4012451)	CNALH, Apr. 2021 (UC2024086)	13-Jun-1961	Growing on bark of living trees.		Unknown	
236	Fortuna, Grizzly Creek.	Humboldt	Fortuna (4012452)	CNALH, Apr. 2021 (UC2024087)	20-Apr-1969	Growing on bark of shrubs and redwood.		Unknown	
237	Chris & Bill's driveway, Honeydew	Humboldt	Shubrick Peak (4012422)	CNALH, Apr. 2021 (UC1572387, UC1572376)	7-Aug-1989	Growing on bark. Fallen from trees.		Private	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
238	Arcata Bureau of Land Management	Humboldt	McWhinney Creek (4012461)	CNALH, Apr. 2021 (UC1799939)	26-Oct-2002	Fully shaded dense forest, mesic. Growing on Vaccineum ovatum.		CDFW Headwaters Forest Reserve	1200
239	Along road from Booneville to Point Arenas near Point Arenas.	Mendocino	Point Arena (3812386)	CNALH, Apr. 2021 (WIS-L-0078562)	18-Jul-1990	Growing on oaks.		Unknown	
240	Along Ano Nuevo Trail -Butano State Park.	San Mateo	Franklin Point (3712223)	CNALH, Apr. 2021 (UCSC 7850)	5-Nov-1977	Collected off tree branches on the ground.		Butano State Park	
241	Big Basin Redwoods State Park, along Rodgers Creek	Santa Cruz	Big Basin (3712222)	CNALH, Apr. 2021 (UC1988704)	Spring 2015	Litterfall underneath Pseudotsuga menziesii in old-growth redwood forest		Big Basin Redwoods SP	1167
242	Seaview Road, 7 miles south of Plantation	Sonoma	Fort Ross (3812352)	CNALH, Apr. 2021 (UC1935545)	23-Jul-1994	In redwood forest. Growing on bark.		Unknown	
243	Cazadero	Sonoma	Cazadero (3812351)	CNALH, Apr. 2021 (UC1795408)	17-Sep-2005	Soralia present. A)The one without soralia has fibrils more at right angles and is rigid and stiffer. B) Fibrils curve down and are soft		Unknown	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
243	Roadside, near town of Cazadero.	Sonoma	Cazadero (3812351)	CNALH, Apr. 2021 (UC1995374)	30-Apr-2010			Unknown	
243	Cazadero Boy Scout Camp.	Sonoma	Cazadero (3812351)	CNALH, Apr. 2021 (UC1986216)	23-May-2000	Redwood, tan oak, madrone forest.		Unknown	100
243	Cazadero "Boy Scout Camp."	Sonoma	Cazadero (3812351)	CNALH, Apr. 2021 (UC2018880)	23-May-2000	Redwood, tan oak, madrone forest. Growing on bark.		Unknown	100
244	Fort Ross Road, a few miles from Cazadero	Sonoma	Fort Ross (3812352)	CNALH, Apr. 2021 (UC1726265)	23-Jun-1997	On branches along roadside. Growing on bark.		Unknown	
244	21000 Fort Ross Road, near Cazadero	Sonoma	Fort Ross (3812352)	CNALH, Apr. 2021 (UC2018953)	23-Jun-1997	On branches of Quercus, roadside. Growing on bark.		Unknown	
245	Along Stewart's Point Rd. ca. 7 mi. E of Rte. 1.	Sonoma	Annapolis (3812363)	CNALH, Apr. 2021 (WIS-L-0077857)	21-Apr-1986	Open woods. Locally abundant on various tree species.		Unknown	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
246	Along Stewart's Point Rd., ca. 2 miles east of Rte. 1.	Sonoma	Annapolis (3812363)	CNALH, Apr. 2021 (UC2024167)	27-Mar-1988	On redwood and oak in mixed forest. Growing on bark.		Unknown	
247	Armstrong State Park, road up from picnic area (maps to Austin Creek State Recreation Area)	Sonoma	Cazadero (3812351)	CNALH Apr. 2021 (UC2021348)	27-Jul-2002	Sequoia sempervirens, Pseudotsuga menziesii, Acer macrophyllum, Quercus douglasii, on trunk of Umbellularia californica. Growing on bark.		Austin Creek State Recreation Area	292
248		Del Norte	High Divide (4112481)	(51USLO20TEC002)	28-Jul-2020	1 individuals		Six Rivers NF	
248		Del Norte	High Divide (4112481)	(51USLO20TEC004)	28-Jul-2020	2 individuals		Six Rivers NF	
249		Del Norte	Shelly Creek Ridge (4112387)	(0510_USLO50_51_0006)	5-Aug-2004			Six Rivers NF	
250	Santa Cruz Mountains. Maps to San Vicente watershed.	Santa Cruz	Davenport (3712212)	iNaturalist, Apr 2021 (36631354)	13-Dec-2019	Photo looks like plants are growing on Quercus in mixed evergreen forest		Peninsula Open Space Trust, San Vicente Redwoods	
251	Point Reyes National Seashore.	Marin	Tomales (3812228)	iNaturalist, Apr 2021 (36308510)	2-Dec-2019	Photo looks like plants are in moist mixed evergreen forest.		Point Reyes National Seashore	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
252	Maps along Kent Pump Road along Lagunitus Creek.	Marin	Bolinas (3712286)	iNaturalist, Apr 2021 (66638805)	15-Dec-2020	Photo is of mixed evergreen forest. Probably on Douglas Fir. A number of observations along this road near this place have been made since 2014, including by T. Carlberg.		Marin Municipal Water District	
253	Near Mill Valley.	Marin	San Rafael (3712285)	iNaturalist, Apr 2021 (32808780)	15-Sep-2019	Knowing the area, probably in Redwood Forest.		Unknown	
254	Arcata Bureau of Land Management, Red Mountain.	Mendocino	Noble Butte (3912386)	CNALH, Apr. 2021 (UC1799940)	16-Jun-2003	Maximum sun exposed open forest, dry. Growing on Arctostaphylos, Serpentine Rock, Branch talus.		BLM	

Appendix 2: Additional Considerations at the Forest Level

<This section, including the next 5 subheadings, would be filled out by **Forest Service botanists**.>

<Forest Name>

Geographic distribution within the Forest

A. Scarce or isolated
B. Patchy or gaps
C. Contiguous

<Select a geographic distribution rank and provide references or cite 'specialist expertise, <name>' where appropriate.>

Abundance of the species on the Forest

A. Rare – current abundance is low enough that stochastic and other factors could lead to potential imperilment.
B. Uncommon – current abundance is large enough that demographic stochasticity is not likely to lead to rapid local extinction, but, in combination with highly variable environmental factors, could pose a threat.
C. Common – current abundance is large enough that species persistence is not threatened by demographic stochasticity in combination with environmental variation.
D. Insufficient information to draw inferences about criterion.

<Select a species abundance rank and provide references or cite 'specialist expertise, <name>' where appropriate.>

Population trend on the Forest

A. Significant downward or suspected downward population trend.
B. Stable population.
C. Upward population trend.
D. Insufficient information to draw inferences about criterion.

<Select a population trend rank and provide references or cite 'specialist expertise, <name>' where appropriate.>

Habitat trend on the Forest

A. Decline in habitat quality or quantity.
B. Stable amounts of suitable or potential habitat, relatively unchanged habitat quality.
C. Improving habitat quality or increasing amounts of suitable or potential habitat.
D. Insufficient information to draw inferences about criterion.

<Select a habitat trend rank and provide references or cite 'specialist expertise, <name>'where appropriate.>

Vulnerability of habitat on the Forest

A. Substantial modification of habitat has occurred or is anticipated with conditions departing from expectations based on NRV, and/or habitat is impacted by modern stressors such as drought, climate change, high intensity wildfire and wildfire suppression disturbances, loss of natural openings due to historical wildfire suppression, nonnative invasive species, water impoundments and diversions, and recreation, etc.
B. Habitat modification is likely to result in ecological patterns similar to the range of historical conditions, but is being impacted by modern stressors.
C. Habitat resilient, changes are similar in frequency and intensity to those expected from NRV, and modern stressors not significant.
D. Insufficient information to draw inferences about criterion.

<Select a habitat vulnerability rank and provide references or cite 'specialist expertise, <name>'where appropriate.>

Additional Forest specific information related to the SCC determination

<This section is provided for Forest botanists to add additional Forest specific information that is not captured in the section above, if necessary. Provide a narrative description here of the additional relevant information. State "No additional information" if this section is not used.>