Species: *Hesperocyparis bakeri* (Jeps.) Bartel, Baker cypress

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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 Baker cypress.

Entity	Status	Status Definition
NatureServe CA[a]	G3 S3	G3: Vulnerable — At moderate risk of extinction or elimination due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors. S3: Vulnerable — Vulnerable in the state due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation.
California Rare Plant Rank[b]	4.2	4: Watch List: Plants of limited distribution.

		0.2: Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat). This species was added to the CNPS *Inventory* in 1974 (as *Cupressus bakeri*) and has had no subsequent change in status.
California State Listing[c]	Not listed	
USDA Forest Service[d]	Not listed	
USDI FWS[e]	Not listed	
USDI BLM[f]	Not listed	
NatureServe OR[g]	S1 List 2	S1: Critically imperiled in Oregon because of extreme rarity or because it is somehow especially vulnerable to extinction or extirpation, typically with 5 or fewer occurrences. List 2: contains taxa that are threatened with extirpation or presumed to be extirpated from the state of Oregon. These are often peripheral or disjunct species which are of concern when considering species diversity within Oregon's borders.
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]

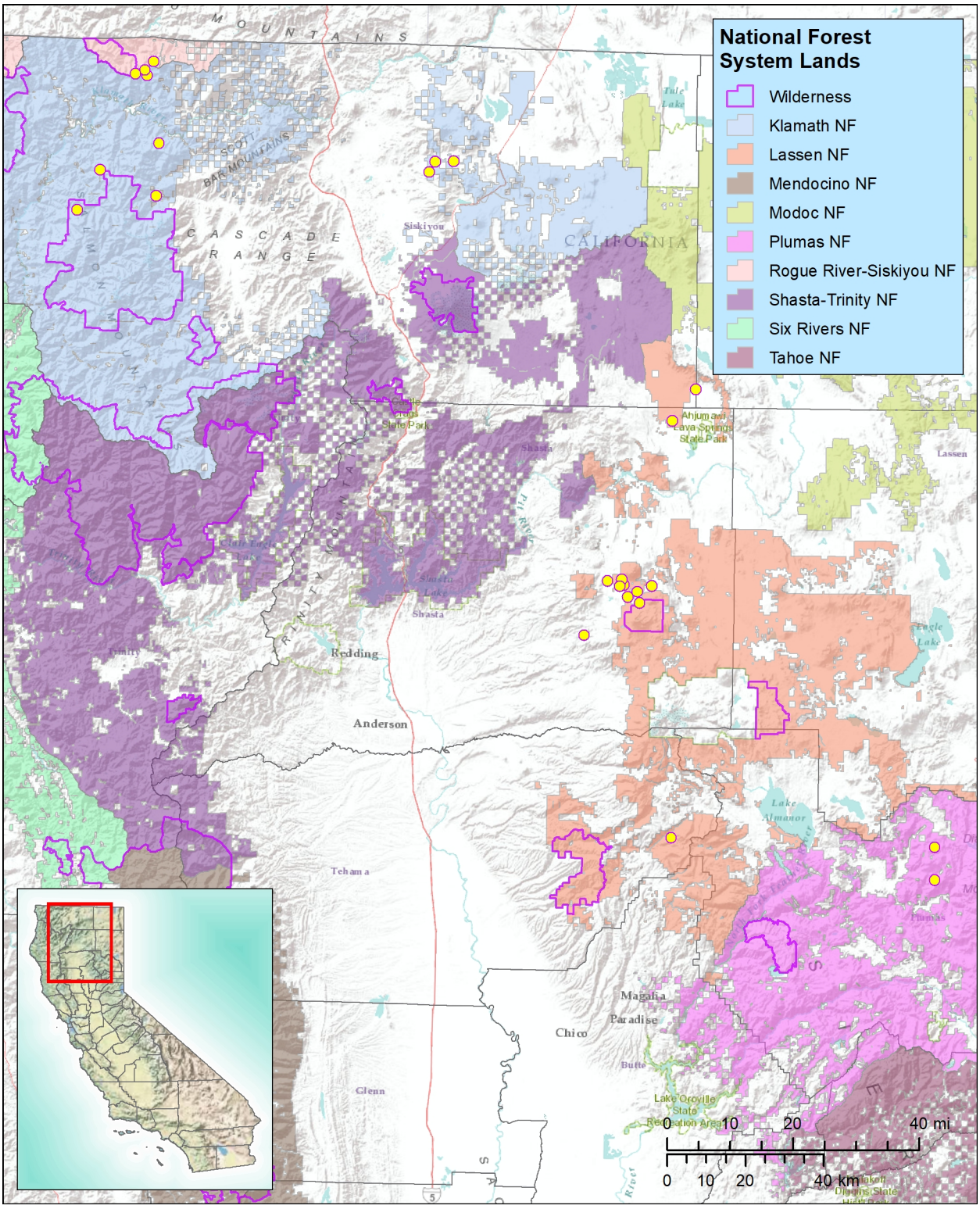
Table 2 summarizes the distribution and frequency of this species or subspecies/variety within National Forest System Lands in California. Table 4 in Appendix 1 lists all known occurrences

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

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 Baker cypress 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
Klamath:	5, 7, 8, 13, 14, 15, 16, 17, 19, 25	-	10	7	3	10-Apr-2016	10
Lassen:	1, 2, 3, 11, 12, 20, 21, 22, 23, 24	-	10	9	1	2021	10
Plumas:	9, 10	-	2	2	-	15-Nov-2018	2
Rogue River-Siskiyou:	6	-	1	-	1	5-Jul-1939	1
Totals:	N/A	0	23	18	5	N/A	23



Sources: *Distribution*: Sudworth (1908), Dodd et al. (1990), Merriam and Rentz (2010), Bower and Hipkins (2017), NRIS (2020), R. D. Stone 2020 (pers. obs.), Calflora (2021), CCH1 (2021), CCH2 (2021), K. Bovee 2021 (pers. comm.), K. Merriam 2021 (pers. comm.). *Baselayers*: 2013 National Geographic Society, i-cubed, Esri, Garmin, NOAA, NPS, USGS.

The geographic range of Baker cypress is limited to widely scattered, isolated populations in northern California and southwestern Oregon (Griffin and Critchfield 1972; Murray 1988; Merriam and Rentz 2010; Kauffmann 2012, 2013; Bower and Hipkins 2017). In California, there are 25 known localities in the High Cascade Range (CaRH), westernmost Modoc Plateau (MP), northern Klamath Ranges (KR), and northern High Sierra Nevada (nSNH) bioregions of Siskiyou, Modoc, Shasta, Plumas, and Tehama counties. Reports of this species from Lassen County (CCH1 2021, CCH2 2021) are in error. In Oregon, it is known from six occurrences in Josephine and Jackson counties, the northernmost being at Flounce Rock c. 26 miles southwest of Crater Lake (J. Kagan 2021, pers. comm.; S. Vrilakas 2021, pers. comm.).

Twenty-three (92 %) of the Californian occurrences are entirely or partially on National Forest land, including ten locations on the Klamath NF, ten on the Lassen NF, two on the Plumas NF, and one on the Rogue River-Siskiyou NF (Table 2). The extensive population at the intersection of Siskiyou, Modoc, and Shasta counties (record # 1) is mostly on BLM land and within the designated Timbered Crater Wilderness Study Area, but a smaller portion is in the Timbered Crater recommended Research Natural Area (Lassen NF; Cheng 2004), and another small part is privately owned. Another occurrence (record # 17) is in the Marble Mountain Wilderness (Klamath NF). The Eiler Gulch occurrence (record # 3) is located near the Thousand Lakes Wilderness boundary (Lassen NF). The two Plumas County occurrences (record #s 9 and 10) are both within the Mud Lake established RNA (Plumas NF; Cheng 2004). The Seiad occurrence (record # 5; Klamath NF) has been designated as the Seiad Baker Cypress Botanical Area (USDA 2021); this population was noted as extending up into the Red Butte Wilderness (Kauffmann 2012), but we have seen no evidence for this; the nearest documented location is near Lily Pad Lake (record # 25) close to the wilderness boundary. Of the two occurrences off National Forest land, one (record # 4) is partially on BLM land with the rest being private, and the other (record # 18) is wholly on private land.

The known occurrences of Baker cypress vary greatly in size and area but mostly consist of widely scattered individual trees or small, isolated groves or “cypress islands” (Wolf 1948). For a summary of stand densities by site, see Rentz and Merriam (2011). The type locality on the lava beds near Timbered Crater (record # 1) is the largest stand, covering 7,000 acres (Stone 1965) with cypress being the dominant tree and averaging 67 stems per acre (Merriam and Rentz 2010). The Seiad site (record # 5) is the second most extensive, covering c. 800 acres but with much of this area having only sparse tree cover (Wolf 1968, Merriam and Rentz 2010). At the Cypress Plantation near Burney Spring (record # 2), the species was mapped over nearly 600 acres, but the cypress trees in this area are “scattered” and “not confined to a ... solid grove” (Wolf 1948, Merriam and Rentz 2010; K. Bovee 2021, pers. comm.). The Goosenest NW and Mud Lake populations (record #s 7 and 10, respectively) cover between 300 and 350 acres, seven other occurrences occupy less than 100 acres, and 13 occurrences are of < 3 acres or lacking data (Merriam and Rentz 2010; K. Bovee 2021, pers. comm.). The Goosenest W occurrence (record # 19) was noted as consisting of a single large, isolated tree (Dodd et al. 1990), and the historical occurrence near Sullivan Mine (record # 6) had “only 8 or 10 trees” (Wolf 1948). The Cub Creek population (record # 11) had “[o]ne large tree ... and two groups of smaller trees, all together about a dozen trees,” while in the Scott River occurrence (record # 13)

"[o]nly 3 saplings were seen" (CCH1 2021, CCH2 2021). One historical record (# 18) from "North Fork of South Fork of Cow Creek" (Shasta Co.) consisted of "two thrifty trees" (Sudworth 1908) but has since been extirpated (Griffin and Stone 1967, Griffin and Critchfield 1972).

Numerous seedlings have been observed in several localities, i.e. at Timbered Crater (record # 1) after the 2000 Adobe Fire, at Independence Creek (record # 17) following the 2006 Titus Fire, and at Mud Lake (record # 10) after the 2007 Moonlight Fire (Merriam and Rentz 2010). The Seiad site (record # 5) had dense, even-age stands of sapling-size trees in areas burned since 1950 (Merriam and Rentz 2010). On the other hand, a conspicuous absence of regeneration was noted at certain sites that had not burned in recent years, i.e. Goosenest NE (record # 8) and Hamburg (record # 16) (Dodd et al. 1990, Merriam and Rentz 2010).

Please note, the published latitude and longitude coordinates of the "Glass Mountain" site (McNamara et al. 2019b) are wrong. The correct coordinates are 41.19, -121.48 (J. Kane 2021, pers. comm.) and place this locality within the Timbered Crater stand (record # 1) as previously mapped by Stone (1965).

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

Baker cypress is an evergreen, coniferous tree with small, scale-like leaves. Mature trees range from 4–23 (–37) m tall with the trunk 10–60 (–150) cm in diameter (Merriam and Rentz 2010, Kauffmann 2013, JEPS 2021). It generally inhabits dry, rocky sites with shallow, infertile soils in association with montane coniferous forest or montane chaparral at elevations from 2,700 to 6,900 feet (Wagener and Quick 1963, Dodd et al. 1990, Merriam and Rentz 2010, Kauffmann 2012, CCH2 2021). In the eastern part of its range, the occurrences are on volcanic substrates, while in the Klamath region they are mostly on ultramafics (i.e. peridotite or serpentinite), rarely on granitics (Merriam and Rentz 2010). It is a poor competitor and is most often found in relatively open forest stands. On more mesic sites with deeper soils, it may be encroached upon or overtopped by other coniferous tree species (Wagener and Quick 1963, Merriam and Rentz 2010, Kauffmann 2012). The composition of Baker cypress stands varies from site to site, but frequent associates include the trees *Abies concolor*, *Calocedrus decurrens*, *Pseudotsuga menziesii*, *Pinus jeffreyi*, *P. ponderosa*, *P. attenuata*, and *P. lambertiana*; and shrubs *Arctostaphylos patula*, *Artemisia tridentata*, *Chrysolepis sempervirens*, *Purshia tridentata*, and *Quercus vacciniifolia* (Wolf 1948, Wagener and Quick 1963, Stone 1965, Dodd et al. 1990, Merriam and Rentz 2010, CCH1 2021). At its highest elevations on the Goosenest (record # 8) and near Mud Lake (record # 10), the species extends into forest of *Abies magnifica* or *A. magnifica* var. *shastensis* (Dodd et al. 1990, Cheng 2004). At the Timbered Crater site (record # 1), Baker cypress is found in large, mostly monospecific stands on rough, broken basalt flows of recent origin (Stone 1965, Merriam and Rentz 2010). At the Cypress Plantation site (record # 2),

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

it occurs within a 1,300-acre plantation forest of ponderosa and Jeffrey pine (Merriam and Rentz 2010).

Baker cypress is one of 10 species of native cypress (genus *Hesperocyparis*) occurring in California (Adams et al. 2009, JEPS 2021). This group has been considered taxonomically difficult, with some debate amongst experts concerning the number of species to be recognized (Wolf 1948, Little 1970, Farjon 2005). The currently isolated populations of *Hesperocyparis* may be relicts from an earlier period of more mesic climate when cypress was more widely and continuously distributed (Axelrod 1977). Baker cypress is a higher-elevation species that has sometimes been confused with the MacNab cypress (*H. macnabiana*), which is widely scattered in the foothills of northern California (Wolf 1948, Griffin and Stone 1967, Griffin and Critchfield 1972). The closest relative of Baker cypress may be the Piute cypress (*H. nevadensis*) which is restricted to a small region of the southern Sierra Nevada in Kern and Tulare counties (Wolf 1948, CNPS 2021). In molecular analyses, *H. bakeri* is resolved as an early-branching lineage that is sister to a clade comprising the remaining species of *Hesperocyparis* (Little 2006, Mao et al. 2010, Terry et al. 2012). Populations of Baker cypress from the Siskiyou Mountains and from Goosenest Mountain (north of Mt. Shasta) were considered by Wolf (1948) to be a distinct subspecies (named as *Cupressus bakeri* subsp. *matthewsii*), but subsequent morphometric analyses did not support its continued recognition (Afzal-Rafii and Dodd 1994). Genetic diversity in Baker cypress was found to be relatively high compared to other endemic cypresses made up of similarly small, isolated populations. However, differentiation between populations was only 9%, indicating that the current population structure is likely the result of a fairly recent reduction from a more widespread ancestral distribution.

Reproduction of Baker cypress is only from seed and highly dependent on fire (Esser 1994, Merriam and Rentz 2010). This species is like most other conifers in being *monoecious*, meaning that the pollen cones and seed cones are borne on the same tree. Seed cones are wind-pollinated and borne on trees that are at least 14 years of age. Cone production was found to average 50–100 cones per tree in the Seiad and Hamburg populations (record #s 5 and 16, respectively) and 250–500 cones per tree in the Goosenest population (record #7), with the lowest cone numbers seen on sites with nutrient-poor substrates (ultramafics) and greater amounts of canopy shading and suppression by other coniferous tree species (Merriam and Rentz 2010). Each cone may produce 50–100 seeds of which only 15% are viable on average. Most importantly, the seed cones are *serotinous*, meaning that they remain closed and require heat from a fire to open. A temperature of 500°C for two minutes is sufficient to open the cones of Baker cypress and release the seeds, but a longer time of exposure to such high temperature was found to reduce seed viability (Milich 2010). Recently burned areas with bare mineral soil and full sunlight are generally required for seed germination and seedling establishment (Vogl et al. 1977, Esser 1994). Regeneration has been observed primarily after high-intensity wildfire, but there is some evidence that soil disturbance (e.g. from land clearing or timber harvest) can allow for limited seedling establishment in the absence of fire, e.g. at the Cypress Plantation site (record # 2) and Goosenest NE (record # 8) (Dodd et al. 1990, Merriam and Rentz 2010). The pattern of distribution is relictual, with little or no possibility of this species expanding its range or

dispersing to new sites (Wolf 1948). Most seedlings become established within 5 m of the parent tree (McNamara et al. 2019a).

Fire is necessary for regeneration of Baker cypress stands, even though the individual trees have thin bark and are easily killed by fire (Wolf 1948, Esser 1994, Merriam and Rentz 2010). If fires occur too frequently, i.e. before the young trees have reached reproductive maturity, then the stand may lack sufficient seed storage to regenerate itself. On the other hand, there does not seem to be much risk associated with stands becoming senescent, as cone production and seed storage do not decline with increasing tree age, and even very old trees (> 150 years) were found to have high numbers of viable seed. At some sites, however, older trees may have lower cone production and seed storage due to increased stand density and interspecific competition. Ultimately, cypress stands must burn before the mature trees die for regeneration to take place.

Baker cypress has been noted to be infested with the juniper mistletoe (*Phoradendron juniperinum*) at several sites including Timbered Crater (record #1), Cypress Plantation (record #2), and Wheeler Peak (record #9) (Stone 1965, Hawksworth and Wiens 1966, Merriam and Rentz 2010, CCH2 2021). However, it seems that these infestations are not severe enough to have caused any tree mortality. Cypress trees in some parts of California may be infected by the cypress canker, *Seiridium* (formerly *Coryneum*) *cardinale*, a fungal pathogen that can kill the trees, yet Baker cypress has been shown to have a good level of resistance to bark canker, and no traces of the disease have been found within the native range of this tree (reviewed by Danti and Della Rocca 2017). Trees in the Seiad stand (record # 5) were seen to have a greater amount of rot than those at other locations, but it is unclear what factors may be contributing to this or how it may affect the overall health of the stand (Merriam and Rentz 2010).

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

Baker cypress is a rare tree with about 30 locations in northern California and southwestern Oregon. Most of its populations are of limited extent and consist of scattered individuals or small, isolated groves. The majority of Californian occurrences are on National Forest lands, with one small population in the Marble Mountain Wilderness (Klamath NF) and a much larger stand partially protected within the Timbered Crater Wilderness Study Area (BLM). The IUCN has assessed Baker cypress as Vulnerable (VU) citing its limited Area of Occupancy and decreasing population trend (Farjon 2013).

This species is a closed-cone conifer that requires high-intensity fire to release the seeds and regenerate its stands. A continued policy of fire suppression may threaten its populations by (1) preventing the conditions needed for stand regeneration; (2) allowing competition and eventual replacement by other, more shade tolerant species; (3) increasing stand density leading to reduced cone production and seed storage; and (4) increasing age-related mortality (Wagener and Quick 1963, Esser 1994, Merriam and Rentz 2010, Bower and Hipkins 2017). The species may also be threatened by increased fire frequency that could conceivably extirpate young, even-aged

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

stands of cypress before they reach reproductive maturity (McNamara et al. 2019b; K. Merriam 2021, pers. comm.). Anthropogenic climate change is expected to increase the frequency and severity of wildfires in northern California (Fried et al. 2004, Jones et al. 2020, Smith et al. 2020), with potentially adverse effects on populations of Baker cypress. Over the past decade, the Cypress Plantation site (record #2) and several smaller, neighboring occurrences burned in the 2014 Eiler Fire; portions of the Huckleberry occurrence (record #15) burned during the 2014 Westside Fire; the Seiad stand (record #5) burned in the 2017 Eclipse Fire; and a small lightning fire in 2016 burned a portion of the Goosenest occurrence (record # 7). In August 2021, the Dixie Fire burned the Wheeler Peak stand (record # 9), and thousands of reproductively immature cypresses were killed in the Mud Lake population (record # 10) which may now be extirpated. Based on this pattern of recent fire activity, immaturity risk is now a far greater threat to Baker cypress stands than ongoing fire suppression (K. Merriam 2021, pers. comm.).

The following conservation and management actions are warranted and of high priority: (1) post-fire monitoring of stands; (2) aggressive fuel treatments around newly regenerated stands to prevent future fires until cypress trees reach reproductive maturity; and (3) collection and *ex situ* storage of seed cones from all populations (K. Merriam 2021, pers. comm.). Without careful and proactive management, the remaining stands of Baker cypress are likely to "wink out one by one" (D. Greene 2021, pers. comm.).

Taxonomy[4]

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

Table 3. Name status of Baker cypress.

Entity	Name Status
CNDDB and CNPS	*Hesperocyparis bakeri* (Jeps.) Bartel
Jepson eFlora	*Hesperocyparis bakeri* (Jeps.) Bartel
Jepson Manual (1993)	*Cupressus bakeri* Jeps.
Flora of North America	*Cupressus bakeri* Jepson
USDA NRCS[a] PLANTS	*Hesperocyparis bakeri* (Jeps.) Bartel

[a] Natural Resources Conservation Service [NRCS 2021]

Synonymy: *Cupressus bakeri* Jeps., *Cupressus bakeri* subsp. *typica* C.B. Wolf (illegitimate name), *Cupressus bakeri* subsp. *matthewsii* C.B. Wolf, *Cupressus macnabiana* var. *bakeri* (Jeps.) Jeps., *Callitropsis bakeri* (Jeps.) D.P. Little, *Neocupressus bakeri* (Jeps.) de Laub. (illegitimate name) (Wolf 1948, Eckenwalder 1993, Afzal-Rafii and Dodd 1994, Adams et al. 2009, JEPS 2021, NRCS 2021, Tropicos 2021)

Jepson eFlora link (JEPS 2021): https://ucjeps.berkeley.edu/eflora/eflora_display.php?tid=89294

Type locality: California, Modoc County, "[b]etween Hills Farm (near Dana, se. Siskiyou Co.) and Little Hot Springs Valley (sw. Modoc Co.)" (*Milo S. Baker* s.n. in Aug. 1898, JEPS2550). Jepson's (1909: 61) protologue did not indicate where Milo Baker's collection was deposited, but Wolf (1948) clearly stated that "[t]he type specimen is in the Jepson Herbarium." Another

[4] 1909.12, Chapter 10, Section 12.53, component 1.

specimen in the UC herbarium is simply labeled “Lava Beds. Modoc Co.” (*M.S. Baker* s.n. in Aug. 1898, UC55205); this is likely to be an isotype (but was erroneously annotated as the holotype by D.P. Little in Aug. 2006).

Key literature

Adams, R.P., J.A. Bartel, and R.A. Price. 2009. A new genus, *Hesperocyparis*, for the cypresses of the Western Hemisphere. *Phytologia* 91(1): 160–185.

Afzal-Rafii, Z. and R.S. Dodd. 1994. Biometrical variability of foliage and cone characters in *Cupressus bakeri* (Cupressaceae). *Plant Systematics and Evolution* 192: 151–163.

Bower, A.D. and V. Hipkins. 2017. Genetic diversity and population structure in the rare, endemic Baker cypress (*Hesperocyparis bakeri*). *Madroño* 64(2): 71–82.

Dodd, R.S., Z. Afzal-Rafii, and A.B. Power. 1990. Biodiversity within natural populations of *Cupressus bakeri* (Goosenest Mountain, California). *Ecologia Mediterranea* 16: 51–57.

Esser, L. 1994. *Hesperocyparis bakeri*. In: Fire Effects Information System [online]. USDA Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory. Available at https://www.fs.fed.us/database/feis/plants/tree/hesbak/all.html [accessed August 2021].

Farjon, A. 2013. *Cupressus bakeri*. The IUCN Red List of Threatened Species 2013: e.T34047A2841226. http://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T34047A2841226.en

Fried, J.S., M.S. Torn, and E. Mills. 2004. The impact of climate change on wildfire severity: a regional forecast for northern California. *Climatic Change* 64: 169–191.

Jones, M.W., A.J.P. Smith, R. Betts, J.G. Canadell, I.C. Prentice, and C. Le Quéré. 2020. Climate Change Increases the Risk of Wildfires (January 2020) [online]. Available at https://sciencebrief.org/uploads/reviews/ScienceBrief_Review_WILDFIRES_Jan2020.pdf [accessed September 2020].

McNamara, B.A., D.F. Greene, and J.M. Kane. 2019a. Strong dispersal limitation in postfire regeneration of Baker cypress, a rare serotinous conifer. *American Journal of Botany* 106(12): 1566–1574.

McNamara, B.A., J.M. Kane, and D.F. Greene. 2019b. Post-fire fuel succession in a rare California, USA, closed-cone conifer. *Fire Ecology* 15: 39.

Merriam, K. and E. Rentz. 2010. Restoring fire to endemic cypress populations in northern California. Final report prepared for U.S. Dept. of the Interior and USDA Forest Service, Joint Fire Science Program, project ID no. 06-2-1-1. Available at: https://www.firescience.gov/projects/06-2-1-17/project/06-2-1-17_06-2-1-17_final_report.pdf.

Milich, K.L. 2010. Cone serotiny and seed viability of fire-prone California *Cupressus* species. MSc thesis, Humboldt State University, Arcata, CA.

Murray, M.D. 1988. Baker cypress. *Fremontia* 16(3): 17–18.

Rentz, E. and K. Merriam. 2011. Restoration and management of Baker cypress. Pp. 282–289 in J. Willoughby, B. Orr, K. Shierenbeck and N. Jensen (eds.), Strategies and Solutions. Proceedings of the CNPS Conservation Conference, 17–19 Jan 2009. California Native Plant Society, Sacramento, CA.

Smith, A.J.P., M.W. Jones, J.T. Abatzoglou, J.G. Canadell, and R.A. Betts. 2020. Climate Change Increases the Risk of Wildfires (September 2020 update). Available at https://sciencebrief.org/uploads/reviews/ScienceBrief_Review_WILDFIRES_Sep2020.pdf [accessed September 2020].

Stone, C.O. 1965. Modoc cypress, *Cupressus bakeri* Jeps., does occur in Modoc County. *Aliso* 6(1): 77–87.
Terry, R.G., J.A. Bartel, and R.P. Adams. 2012. Phylogenetic relationships among the New World cypresses *(Hesperocyparis*; Cupressaceae): evidence from noncoding chloroplast DNA sequences. *Plant Systematics and Evolution* 298: 1987–2000.
Wagener, W.W. and C.R. Quick. 1963. *Cupressus bakeri*—an extension of the known botanical range. *Aliso* 5(3): 351–352.
Wolf, C.B. 1948. Taxonomic and distributional studies of the New World cypresses. *Aliso* 1(1): 1–250.

Literature cited

Adams, R.P., J.A. Bartel, and R.A. Price. 2009. A new genus, *Hesperocyparis*, for the cypresses of the Western Hemisphere. *Phytologia* 91(1): 160–185.
Afzal-Rafii, Z. and R.S. Dodd. 1994. Biometrical variability of foliage and cone characters in *Cupressus bakeri* (Cupressaceae). *Plant Systematics and Evolution* 192: 151–163.
Axelrod, D. 1977. Outline history of California vegetation. Pp. 139–194 in: M.G. Barbour and J. Major (eds.), *Terrestrial vegetation of California*. Wiley, New York.
Bower, A.D. and V. Hipkins. 2017. Genetic diversity and population structure in the rare, endemic Baker cypress (*Hesperocyparis bakeri*). *Madroño* 64(2): 71–82.
[BLM] U.S. Dept. of Interior Bureau of Land Management. 2020. Special Status Plants in California, Including BLM Designated Sensitive Species. January 17, 2020. Provided by Christina Lund, State Botanist, California BLM on 30 April 2020.
Calflora. 2021. Information on wild California plants for conservation, education, and appreciation. Website http://www.calflora.org/ [accessed June 2021].
[CDFW] California Department of Fish and Wildlife, Natural Diversity Database. 2021. State and Federally Listed Endangered, Threatened, and Rare Plants of California. Last updated January 8, 2021. 10 pp. Available at https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=109390.
[CNDDB] California Department of Fish and Wildlife, Natural Diversity Database. 2021. RareFind 5 [Internet application] and CNDDB Maps and Data, Version 5.2.14. Available at: https://www.wildlife.ca.gov/Data/CNDDB/Maps-and-Data [Government Version, June 2021].
____. 2021a. Special Vascular Plants, Bryophytes, and Lichens List. Quarterly publication, January 2021. 166 pp. Available at https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=109383&inline.
[CNPS] California Native Plant Society, Rare Plant Program. 2021. *Inventory of Rare and Endangered Plants of California* (online edition, v9-01 0.0). Website http://www.rareplants.cnps.org [accessed June 2021].
CalPhotos. 2020. CalPhotos: Plants. Regents of the University of California, Berkeley. Website http://calphotos.berkeley.edu/flora/ [accessed August 2021].
Cheng, S. (tech. ed.) 2004. *Forest Service Research Natural Areas in California.* Gen. Tech. Rep. PSW-GTR-188. USDA Forest Service, Pacific Southwest Research Station, Albany, CA.

[CCH1] Consortium of California Herbaria Portal 1. 2021. Data provided by the participants of the Consortium of California Herbaria. Regents of the University of California, Berkeley. Website http://ucjeps.berkeley.edu/consortium/ [accessed June 2021].

[CCH2] Consortium of California Herbaria Portal 2. 2021. Data provided by the participants of the Consortium of California Herbaria and the California Phenology Thematic Collections Network (CAP-TCN). Regents of the University of California, Berkeley and Cal Poly, San Luis Obispo. Website http//:www.cch2.org/portal/index.php [accessed June 2021].

Danti, R. and G. Della Rocca. 2017. Epidemiological history of cypress canker disease in source and invasion sites. *Forests* 8: 121.

Dodd, R.S. 1992. Noteworthy collections. *Cupressus bakeri* Jeps. (Cupressaceae). *Madroño* 39(1): 79.

Dodd, R.S., Z. Afzal-Rafii, and A.B. Power. 1990. Biodiversity within natural populations of *Cupressus bakeri* (Goosenest Mountain, California). *Ecologia Mediterranea* 16: 51–57.

Eckenwalder, J.E. 1993. *Cupressus*. Pp. 405-408 in Flora of North America Editorial Committee (eds.), *Flora of North America*, vol. 2. Oxford University Press, New York.

Esser, L. 1994. *Hesperocyparis bakeri*. In: Fire Effects Information System [online]. USDA Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory. Available at https://www.fs.fed.us/database/feis/plants/tree/hesbak/all.html [accessed August 2021].

Farjon, A. 2005. A monograph of Cupressaceae and *Sciadopitys*. Royal Botanic Gardens, Kew.

Farjon, A. 2013. *Cupressus bakeri*. The IUCN Red List of Threatened Species 2013: e.T34047A2841226. http://dx.doi.org/10.2305/IUCN.UK.2013-1.RLTS.T34047A2841226.en.

Fried, J.S., M.S. Torn, and E. Mills. 2004. The impact of climate change on wildfire severity: a regional forecast for northern California. *Climatic Change* 64: 169–191.

Griffin, J.R. and W.B. Critchfield. 1972. The distribution of forest trees in California. USDA Forest Service Research Paper PSW-82. Pacific Southwest Forest and Range Experiment Station, Berkeley, CA. (Reprinted with Supplement, 1976.)

Griffin, J.R. and C.O. Stone. 1967. MacNab cypress in northern California: a geographic review. *Madroño* 19(1): 19–27.

Hawksworth, F.G. and D. Wiens. 1966. Observations on witches'-broom formation, autoparasitism, and new hosts in *Phoradendron*. *Madroño* 18: 218–224.

[JEPS] Jepson Flora Project (eds.). 2021. Jepson eFlora. Website http://ucjeps.berkeley.edu/IJM.html [accessed June 2021].

Jepson, W.L. 1909. *A flora of California*, volume 1 (parts 1–7). Associated Students Store, University of California, Berkeley.

Jones, M.W., A.J.P. Smith, R. Betts, J.G. Canadell, I.C. Prentice, and C. Le Quéré. 2020. Climate Change Increases the Risk of Wildfires (January 2020) [online]. Available at https://sciencebrief.org/uploads/reviews/ScienceBrief_Review_WILDFIRES_Jan2020.pdf [accessed September 2020].

Kauffmann, M.E. 2012. *Conifer Country.* Backcountry Press, Kneeland, CA.

Kauffmann, M.E. 2013. *Conifers of the Pacific Slope.* Backcountry Press, Kneeland, CA.

Little, D.P. 2006. Evolution and circumscription of the true cypresses (Cupressaceae: *Cupressus*). *Systematic Botany* 31: 461–480.

Little, E.L. 1970. Names of New World cypresses (*Cupressus*). *Phytologia* 20(7): 429–445.

McNamara, B.A., D.F. Greene, and J.M. Kane. 2019a. Strong dispersal limitation in postfire regeneration of Baker cypress, a rare serotinous conifer. *American Journal of Botany* 106(12): 1566–1574.

McNamara, B.A., J.M. Kane, and D.F. Greene. 2019b. Post-fire fuel succession in a rare California, USA, closed-cone conifer. *Fire Ecology* 15: 39.

Mao, K., G. Hao, J. Liu, R.P. Adams, and R.I. Milne. 2010. Diversification and biogeography of Juniperus (Cupressaceae): variable diversification rates and multiple intercontinental dispersals. *New Phytologist* 188: 254–272.

Merriam, K. and E. Rentz. 2010. Restoring fire to endemic cypress populations in northern California. Final report prepared for U.S. Dept. of the Interior and USDA Forest Service, Joint Fire Science Program, project ID no. 06-2-1-1. Available at: https://www.firescience.gov/projects/06-2-1-17/project/06-2-1-17_06-2-1-17_final_report.pdf.

Milich, K.L. 2010. Cone serotiny and seed viability of fire-prone California *Cupressus* species. MSc thesis, Humboldt State University, Arcata, CA.

Murray, M.D. 1988. Baker cypress. *Fremontia* 16(3): 17–18.

[NRCS] U.S. Department of Agriculture, Natural Resources Conservation Service. 2021. PLANTS Database. Website http://plants.usda.gov/ [accessed June 2021].

[NRIS] U.S. Department of Agriculture Forest Service, Natural Resource Information System. 2020. Natural Resource Information System; Threatened, Endangered and Sensitive Plants—Invasive Plants [accessed November 2020].

[NDF] Nevada Division of Forestry. 2012. NAC 527.010 List of fully protected species of native flora. April 2012. Available at: https://www.leg.state.nv.us/NAC/NAC-527.html#NAC527Sec010 [accessed May 2020].

[NNHP] Nevada Natural Heritage Program. 2021. Tracking and Watch Lists. Department of Conservation and Natural Resources. Available at: http://heritage.nv.gov/botany [accessed February 2021].

[ODA] Oregon Department of Agriculture. 2018. Oregon listed and candidate plants - complete list. Native Plant Conservation Program. October 12, 2018. Available at: https://data.oregon.gov/Natural-Resources/Oregon-listed-and-candidate-plants-complete-list/8s3k-ygh2 [accessed May 2020].

[ORBIC] Oregon Biodiversity Information Center. 2019. Rare, Threatened and Endangered Vascular Plant Species of Oregon. Institute for Natural Resources, Portland State University, Portland, OR. 49 pp. Available at https://inr.oregonstate.edu/sites/inr.oregonstate.edu/files/2019-rte-vascs.pdf [accessed May 2020].

Rentz, E. and K. Merriam. 2011. Restoration and management of Baker cypress. Pp. 282–289 in J. Willoughby, B. Orr, K. Shierenbeck and N. Jensen (eds.), Strategies and Solutions. Proceedings of the CNPS Conservation Conference, 17–19 Jan 2009. California Native Plant Society, Sacramento, CA.

Smith, A.J.P., M.W. Jones, J.T. Abatzoglou, J.G. Canadell, and R.A. Betts. 2020. Climate Change Increases the Risk of Wildfires (September 2020 update). Available at https://sciencebrief.org/uploads/reviews/ScienceBrief_Review_WILDFIRES_Sep2020.pdf [accessed September 2020].

Stone, C.O. 1965. Modoc cypress, *Cupressus bakeri* Jeps., does occur in Modoc County. *Aliso* 6(1): 77–87.

Sudworth, G.B. 1908. *Forest trees of the Pacific slope.* USDA Forest Service, Washington, D.C.
Terry, R.G., J.A. Bartel, and R.P. Adams. 2012. Phylogenetic relationships among the New World cypresses *(Hesperocyparis*; Cupressaceae): evidence from noncoding chloroplast DNA sequences. *Plant Systematics and Evolution* 298: 1987–2000.
Tropicos. 2021. Missouri Botanical Garden. Website http://www.tropicos.org [accessed June 2021].
[USDA] U.S. Department of Agriculture Forest Service, Pacific Southwest Region. 2013. Regional Forester Sensitive Species List. Available at: http://www.fs.usda.gov/main/r5/plants-animals/plants [accessed May 2020].
[USDA] U.S. Department of Agriculture Forest Service, Pacific Southwest Region. 2021. Klamath National Forest Botanical Areas: Happy Camp/Oak Knoll Ranger District. Website https://www.fs.usda.gov/detail/klamath/specialplaces/?cid=stelprdb5104744 [accessed September 2021].
[USDA & BLM] U.S. Department of Agriculture Forest Service and U.S. Department of Interior Bureau of Land Management. 2014. List of Survey and Manage Species in Record of Decision and Standards and Guidelines for Amendments to the Survey and Manage, Protection Buffer, and other Mitigation Measures; as amended by Annual Species Reviews 2001-2003. Available at: https://www.blm.gov/or/plans/surveyandmanage/files/sm-fs-enc3-table1-1-dec2003wrtv.pdf [accessed May 2020].
[USFWS] U.S. Dept. Interior Fish and Wildlife Service. 2021. Endangered Species List. Available at: https://www.fws.gov/endangered [accessed June 2021].
Vogl, R.J., W.P. Armstrong, K.L. White, and K.L. Cole. 1977. The closed-cone pines and cypress. Pp. 295–358 in: M.G. Barbour and J. Major (eds.), *Terrestrial vegetation of California*. Wiley, New York.
Wagener, W.W. and C.R. Quick. 1963. *Cupressus bakeri*—an extension of the known botanical range. *Aliso* 5(3): 351–352.
Wolf, C.B. 1948. Taxonomic and distributional studies of the New World cypresses. *Aliso* 1(1): 1–250.

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Bovee, Kirsten. 2021. Botanist, USDA Forest Service, Lassen National Forest. Email correspondence regarding GIS polygon data for Baker cypress. Personal communication 22 June 2021.

Greene, David F. 2021. Professor and Chair, Department of Forestry and Wildland Resources, Humboldt State University, Arcata, CA. Email correspondence regarding fire ecology, and conservation of Baker cypress. Personal communication 22 June 2021.

Kagan, Jimmy. 2021. Co-director, Oregon Biodiversity Information Center. Email correspondence regarding the distribution and abundance of Baker cypress in Oregon. Personal communication 08 September 2021.

Kane, Jeffrey. 2021. Associate Professor, Department of Forestry and Wildland Resources, Humboldt State University, Arcata, CA. Email correspondence regarding the “Glass Mountain” site for the Baker cypress. Personal communication 27 September 2021.

Kauffmann, Michael. 2021. Conifer expert and author based in Humboldt County, CA. Email correspondence regarding occurrences of Baker cypress in California. Personal communication 15 June 2021.

Merriam, Kyle. 2021. Ecologist, USDA Forest Service, Sierra Cascade Province. Email correspondence regarding GIS polygon data, fire ecology, and conservation of Baker cypress. Personal communications 21 June, 11 August, and 27 August 2021.

Vrilakas, Sue. 2021. Botanist/Data Manager, Oregon Biodiversity Information Center. Email correspondence regarding the distribution and abundance of Baker cypress in Oregon. Personal communication 16 June 2021.

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Reviewer(s) and Date:

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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 Baker cypress 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 red.

Rec. #	Locality	County	Quad	Ref. (Source)	Date Last Obs'd	Population Info	Threats	Land Mgr.	Elev. (ft.)
1	Between Hills Farm (near Dana, SE Siskiyou Co.) & Little Hot Springs Valley (SW Modoc Co.), Modoc Co.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (JEPS2550)	Aug-1898			BLM (Timbered Crater WSA), Lassen NF, private	
1	Timbered Crater	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	Merriam and Rentz (2010), Restoring fire to endemic cypress populations in northern California [Joint Fire Science Program, project ID no. 06-2-1-1].		This is the largest population and type locality for Baker cypress. Population occupies approx. 7,000 acres, primarily in monospecific stands. Baker cypress is the dominant tree. Cypress density averaged 67 stems per acre [total population size roughly estimated as 469,000 trees]. Cored trees ranged in age from 25 to 125 years (average 70 years). Evidence of regeneration seen in the area burned by the Adobe Fire (year 2000).	Encroachment by other conifers not an issue due to shallow, unproductive soils. Fires have not been suppressed in this area. Recommendation was to maintain the status quo.	BLM (Timbered Crater WSA), Lassen NF, private	

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	NE of Timbered Crater	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	Kirsten Bovee, Lassen NF polygon data (received June 2021), occurrence no. HEBA5-001	1898			BLM (Timbered Crater WSA), Lassen NF, private	
1	Lava Beds, along road between Dana and Little Hot Springs Valley; Lava Beds	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC55205)	Aug-1898			BLM (Timbered Crater WSA), Lassen NF, private	
1	lava beds of sw Modoc Co. Sierra Nevada Mountains	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC55243)	1-Jul-1903			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	near Day	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (JEPS39745)	Nov-1903			BLM (Timbered Crater WSA), Lassen NF, private	
1	Lava [beds] Beds, s.e. Siskiyou Co.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (CAS945045)	11-Aug-1914			BLM (Timbered Crater WSA), Lassen NF, private	3400

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	Lava beds, SE Siskiyou Co., W of Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (JEPS39746)	11-Aug-1914			BLM (Timbered Crater WSA), Lassen NF, private	3400
1	Lava beds, s.e. Siskiyou Co.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (A356423)	11-Aug-1914			BLM (Timbered Crater WSA), Lassen NF, private	3400
1	Lava beds, s.e. Siskiyou Co., west of Little Hot Springs Val	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (GH356434)	11-Aug-1914			BLM (Timbered Crater WSA), Lassen NF, private	3400
1		Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (GH356445)	11-Aug-1914			BLM (Timbered Crater WSA), Lassen NF, private	3400
1		Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA28202)	11-Aug-1914			BLM (Timbered Crater WSA), Lassen NF, private	

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	Local landmark: Brushy Butte. Fall River Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (11404)	11-Aug-1914			BLM (Timbered Crater WSA), Lassen NF, private	
1	Modoc Lava Beds, 1 mile E of Timbered Butte on Old Stage Road from CW Hill Farm to Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA1659)	19-Oct-1930			BLM (Timbered Crater WSA), Lassen NF, private	
1	1 mi e of Timbered Butte (on old road from C. W. Hill Farm at Dana to Little Hot Springs Valley); Modoc Lava Beds	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC484051)	19-Oct-1930			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc Lava Beds, 1 mile east of Timbered Butte on old road from C.W. Hill Farm at Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (DS211824)	19-Oct-1930			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc Lava Beds, 1 mile east of Timbered Butte on old road from C.W. Hill Farm at Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (CAS297575)	19-Oct-1930			BLM (Timbered Crater WSA), Lassen NF, private	4000

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	Modoc Lava Beds, 1 mile E of Timbered Butte on Old Stage Road from CW Hill Farm to Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (POM212070)	19-Oct-1930			BLM (Timbered Crater WSA), Lassen NF, private	
1	Local landmark: Brushy Butte. Fall River Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (PUA11405)	19-Oct-1930			BLM (Timbered Crater WSA), Lassen NF, private	
1	between Timbered Crater and Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (CAS217344)	4-Jul-1934			BLM (Timbered Crater WSA), Lassen NF, private	
1	Lava flow between Timbered Crater and Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (A356422)	4-Jul-1934			BLM (Timbered Crater WSA), Lassen NF, private	
1	Lava flow from Timbered Crater and Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16588)	4-Jul-1934			BLM (Timbered Crater WSA), Lassen NF, private	

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	Between Timbered Crater and Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (POM203790)	4-Jul-1934			BLM (Timbered Crater WSA), Lassen NF, private	
1	Lava flow between Timbered Crater and Little Hot Springs Valley.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (MO726771)	4-Jul-1934			BLM (Timbered Crater WSA), Lassen NF, private	
1	Local landmark: Brushy Butte. Fall River Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (PUA1140 3)	4-Jul-1934			BLM (Timbered Crater WSA), Lassen NF, private	
1	Modoc Lava Beds, 1 mi. N.E. of Timbered Crater on Old Stage Rd. from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (DS339105)	8-Oct-1934	There are lots of young trees. Although in lava rock, the soil seems thicker than many cypress areas, and the trees are thrifty. Many old dead trees are standing, apparently having died of old age. There is no evidence of recent fires.		BLM (Timbered Crater WSA), Lassen NF, private	4000
1	1 mile NE of Timbered Butte, Modoc Lava beds on Old Stage Road from Dana Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA1760 2)	8-Jul-1934			BLM (Timbered Crater WSA), Lassen NF, private	

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	Modoc Lava Beds, 1 mile NE of Timbered Crater on old Stage road from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA352345)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc lava Beds, 1 mile northeast of Timbered Crater on Old Stage Road from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (SD40665)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	4003
1	Modoc lava Beds, 1 mile northeast of Timbered Crater on Old Stage Road from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (SD40681)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	4003
1	Modoc Lava Beds, 1 mi. N.E. of timered crater on Old Stage Rd. from Dana to little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (A356413)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc Lava Beds, 1 mile northeast of Timbered Crater on Old Stage Road from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16608)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	Modoc Lava Beds, 1 mile northeast of Timbered Crater on Old Stage Road from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16609)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	
1	Modoc Lava beds, 1 mi NE of Timbered crater on Old Stage rd from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (OBI7192)	8-Oct-1934	Abundant		BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc Lava Beds, 1 mi. N.E. of Timbered Crater on Old Stage Rd. from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (F1603932)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc Lava beds, 1 mi N.E. of timbered crater on old stage Rd. from Dana to Little Hot Springs Valley. Arid transition:- Arctostaphlos Patula, Yellow Pines. Sun. Lava Rock.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (MO727204)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	Modoc Lava Beds, 1 mi. N.E. of Timbered Crater on Old Stage Rd. from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (DS339106)	8-Oct-1934	There are lots of young trees. Although in lava rock, the soil seems thicker than many cypress areas, and the trees are thrifty. Many old dead trees are standing, apparently having died of old age. There is no evidence of recent fires.		BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc Lava Beds, 1 mi. N.E. of timbered crater on Old Stage Rd. from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (A356430)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc Lava Beds, 1 mi. N.E. of timbered crater on Old Stage Rd. from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (A356431)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc Lava Beds, 1 mile northeast of Timbered Crater on Old Stage Road from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16610)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	
1	Modoc Lava Beds, 1 mile northeast of Timbered Crater on Old Stage Road from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16611)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	Modoc Lava Beds, 1 mile NE of Timbered Crater on old Stage road from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA17603)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc Lava Beds, 1 mile NE of Timbered Crater on old Stage road from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA352344)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc lava beds, 1 mi N.E. of timbered crater on Old Stage road from Dana to Little Hot Springs Valley. Arid transition:- Yellow Pines Sun. Lava Rock.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (MO726446)	8-Oct-1934			BLM (Timbered Crater WSA), Lassen NF, private	
1	North of Fall River Mills. Lava beds.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (DS257925)	8-Mar-1939			BLM (Timbered Crater WSA), Lassen NF, private	
1	SE Siskiyou Co., Type locality.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (WILLU31241)	8-Mar-1939			BLM (Timbered Crater WSA), Lassen NF, private	

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	Local landmark: Fall River. Fall River Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (PUA1140 6)	8-Mar-1939			BLM (Timbered Crater WSA), Lassen NF, private	
1	North side of Lava Road 3.7 miles E of jct. with county road for Day	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA2275 8)	22-Jul-1939	Here the Baker Cypress was the dominant forest cover. Maybe the grove extended about 3 miles NE by SW by about 2 miles the other way. This is a very rough guess.		BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Type region or grove. R.4E., T.39N., Apx. Sec. 23. Extreme SE. corner of Siskiyou County.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (A356421)	22-Jul-1939			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	From north side of Lava Road to Timbered Crater	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (DS296926)	22-Jul-1939			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	North side of Lava Road . About 3.3 miles from junction with county road for Day	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA2276 2)	22-Jul-1939			BLM (Timbered Crater WSA), Lassen NF, private	4000

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1		Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (DS296931)	22-Jul-1939			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Type Region or Grove. R.4E., T.39N., Apx. Sec. 23. Extreme SE. corner Siskiyou County	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (A356440)	22-Jul-1939			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	North side of Lava Road near Salt Lick about 3.2 miles E of jct with Co. Road for Day.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA22773)	22-Jul-1939			BLM (Timbered Crater WSA), Lassen NF, private	4000
1		Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (DS296943)	22-Jul-1939			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Type Region or Grove. R.4E., T.39N., Apx. Sec. 23. Extreme SE. corner Siskiyou County	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (A356439)	22-Jul-1939			BLM (Timbered Crater WSA), Lassen NF, private	4000

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	Local landmark: Grizzly Peak. Pondosa Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (PUA1140 0)	22-Jul-1939			BLM (Timbered Crater WSA), Lassen NF, private	
1	Local landmark: Grizzly Peak. Pondosa Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (PUA1140 1)	22-Jul-1939			BLM (Timbered Crater WSA), Lassen NF, private	
1	1 mile northeast of Timbered Crater, Modoc Lava Beds on old stageroad from Dana to Little Hot Springs Valley, S.E. Siskiyou	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (DS333423)	30-Oct-1944			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	Modoc Lava Beds, 1 mile northeast of Timbered Crater on Old Stage Road from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (SD43482)	30-Oct-1944			BLM (Timbered Crater WSA), Lassen NF, private	4003
1	1 mile northeast of Timbered Center [= Crater], Modoc Lava Beds on old stageroad from Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16594)	30-Oct-1944			BLM (Timbered Crater WSA), Lassen NF, private	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	1mile NE of Timbered Crater, Modoc Lava Beds on Old Stage Road form Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA352343)	30-Oct-1944			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	1mile E of Timbered Crater, Modoc Lava Beds on Old Stage Road form Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA40888)	30-Oct-1944			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	1 mile NE of Timbered Crater, Modoc Lava Beds on Old Stage Road form Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA40897)	30-Oct-1944			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	1 mile NE of Timbered Crater, Modoc Lava Beds on Old Stage Road form Dana to Little Hot Springs Valley	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA40901)	30-Oct-1944			BLM (Timbered Crater WSA), Lassen NF, private	4000
1	1 mi s Gassaway Reservoir	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1348998)	26-Dec-1963			BLM (Timbered Crater WSA), Lassen NF, private	3639

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
1	approximately 1 mi s Gassaway Reservoir; Quadrangle 16C2	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1222085)	26-Dec-1963			BLM (Timbered Crater WSA), Lassen NF, private	3639
1	1.5 miles S of Gassaway Reservoir.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (DS501727)	26-Dec-1963			BLM (Timbered Crater WSA), Lassen NF, private	3600
1	approximately 1.5 mi s Gassaway Reservoir; Quadrangle 16C2	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1222086)	26-Dec-1963			BLM (Timbered Crater WSA), Lassen NF, private	3600
1	On recent lava flow ca. 1 mile S of Gassaway Reservoir	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA176224)	26-Dec-1963			BLM (Timbered Crater WSA), Lassen NF, private	3640
1	Modoc Plateau, approximately 1.5 miles south of Gassaway Reservoir. 39N05E18	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (UCR143030)	26-Dec-1963			BLM (Timbered Crater WSA), Lassen NF, private	

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1		Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (GH356444)	26-Dec-1963			BLM (Timbered Crater WSA), Lassen NF, private	3600
1	recent lava flow n of Timbered Crater (on old jeep trail to Gassaway Reservoir); Fall River Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1321452)	6-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3600
1	From plot 51C-18-1 of C. bakeri study. Great Basin scrub on recent lave flow north of Timbered Crater on old jeep trail to Gassaway Reservoir, NW 1/4, NW 1/4, SE 1/4, Fall River Mills Quad., Sec. 23, T. 39 N., R. 5 E.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (GH356433)	6-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3600
1	North of Timbered Crater on old jeep trail to Gassaway Reservoir; Fall River Mills quadrangle [topographic map]	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16603)	6-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	

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1	100 yards NE of Quarry in Sec. 25 SW/4 SW/4 NE/4 Fall River Mills quad	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA176221)	6-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3640
1	Approximately 100 yards NE of Quarry, Fall river Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (DS558220)	6-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3640
1	approximately 100 yds n Quarry in section 25 (plot 52-54-1); Fall River Mills Quad	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1321451)	6-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3640
1	Approximately 100 yards northeast of Quarry	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16595)	6-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	
1	100 yards NE of Quarry in Sec. 25 SW/4 SW/4 NE/4 Fall River Mills quad	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA176220)	6-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3640

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1	unspecified Fall River Mills Quad., North section line crossing of Sec.13 on west side of jeep road, NE 1/4, NW 1/4, NE 1/4	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (CAS473421)	20-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3560
1	n section line crossing of Sec. 13 (on w side of jeep road, NE 1/4, NE 1/ 4, NE 1/ 4); Fall River Mills. Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1321450)	20-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3560
1	North section line crossing of Sec 13 on west side of Jeep Rd.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA176219)	20-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3560
1	just w of n 1/4 Cor. of Sec. 18 (at logging road crossing: NE1/4, NE1/4, NW1/4); Fall River Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1321449)	20-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3560
1	North section line crossing of Sec 13 on west side of Jeep Rd.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (RSA176218)	20-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3560

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1	200 yds e Modoc-Siskiyou County line (on logging road); Fall River Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1321448)	20-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	3517
		Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (RSA176215)	20-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	
1	200 yards east of Modoc-Siskiyou Co. line on logging road. Fall River Mills Quad	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (SD62207)	20-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	
1	Local landmark: Adobe Flat. Fall River Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (PUA11402)	20-Jun-1964			BLM (Timbered Crater WSA), Lassen NF, private	
1	on recent lava flow near ne corner Sec. 35 (NE 1/4, NE 1/4, NE 1/4); Fall River Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1321447)	4-Jul-1964			BLM (Timbered Crater WSA), Lassen NF, private	3720

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1	on recent lava flows near NE corner of Section 35, NE 1/4 NE 1/4 Sec. 35; Fall River Mills quadrangle	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (GH356414)	4-Jul-1964			BLM (Timbered Crater WSA), Lassen NF, private	3720
1		Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (RSA176217)	4-Jul-1964			BLM (Timbered Crater WSA), Lassen NF, private	
1		Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (RSA181860)	4-Jul-1964			BLM (Timbered Crater WSA), Lassen NF, private	
1	sw edge of Little Hot Springs Valley; Fall River Mills Quad.	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1321446)	4-Jul-1964			BLM (Timbered Crater WSA), Lassen NF, private	3550
1		Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (RSA176226)	4-Jul-1964			BLM (Timbered Crater WSA), Lassen NF, private	

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1	Lassen National Forest, Hat Creek Ranger District. Timbered Crater, 16 miles north of Fall River Mills	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16600)	12-Jan-1978			BLM (Timbered Crater WSA), Lassen NF, private	
1	Lassen National Forest, Hat Creek Ranger District. Timbered Crater, 16 miles north of Fall River Mills	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16607)	12-Jan-1978			BLM (Timbered Crater WSA), Lassen NF, private	
1	T39N R4E sec 13 SE1/4	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (BLMRD0293)	24-Feb-1978			BLM (Timbered Crater WSA), Lassen NF, private	
1	w of Day	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, Nov. 2020 (UC1523741)	1-Sep-1981			BLM (Timbered Crater WSA), Lassen NF, private	3500
1	West of Day	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16597)	1-Sep-1981			BLM (Timbered Crater WSA), Lassen NF, private	

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1	West of Day, California	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH2, June 2021 (ELH01138)	1-Sep-1981			BLM (Timbered Crater WSA), Lassen NF, private	
1	About 3 miles north of Timbered Crater	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY16598)	14-Sep-1983			BLM (Timbered Crater WSA), Lassen NF, private	
1	NW edge of Little Hot Spring Valley NW of Day	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (GH356412)	1-Jun-1995			BLM (Timbered Crater WSA), Lassen NF, private	
1	Northwest edge of Little Hot Spring Valley, northwest of Day	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	CCH1, June 2021 (NY57978)	1-Jun-1995			BLM (Timbered Crater WSA), Lassen NF, private	
1	39N04 0.8 mi E of 40N04 -- Timbered Crater WSA	Siskiyou, Modoc, Shasta	Timbered Crater (4112124)	Calflora, Jan. 2021 (wb1194-1667)	28-Jul-2007	1+ individuals		BLM (Timbered Crater WSA), Lassen NF, private	3622

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2	Cypress Plantation	Shasta	Burney Mountain East (4012175)	Kirsten Bovee, Lassen NF polygon data (received June 2021), occurrence no. HEBA5-005	2016			Lassen NF	
2		Shasta	Burney Mountain East (4012175)	Kyle Merriam, USFS polygon data (received June 2021)				Lassen NF	
2		Shasta	Burney Mountain East (4012175), Burney Mountain West (4012176)	Kyle Merriam, USFS polygon data (received June 2021)				Lassen NF	
2		Shasta	Burney Mountain East (4012175)	Kyle Merriam, USFS polygon data (received June 2021)				Lassen NF	

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2	2 mi e Burney Spring; Burney Quadrangle	Shasta	Burney Mountain East (4012175)	CCH2, Nov. 2020 (UC570279)	17-Nov-1935			Lassen NF	4800
2	2 mi E of Burney Spring	Shasta	Burney Mountain East (4012175)	CCH2, Nov. 2020 (UC1134216)	7-Nov-1935			Lassen NF	4800
2	Burney Springs	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (RSA21071)	9-Jul-1938			Lassen NF	4800
2	Burney Springs	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (RSA21072)	9-Jul-1938			Lassen NF	4800
2	Burney Springs	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (A356427)	9-Jul-1938			Lassen NF	4800
2	Burney Springs	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (DS339851)	9-Jul-1938	Trees scattered in small groves over an area of several thousand acres. Smaller and young trees common.		Lassen NF	4800
2	Burney Springs	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (NY16591)				Lassen NF	
2	Burney Springs. Sandy soil of rocky outcrops.	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (MO727310)	9-Jul-1938			Lassen NF	

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2	8.1 miles W of Hat Creek Ranger Station, Burney Spring Forest Service Rd.	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (RSA22770)	22-Jul-1939	Maybe here the Cypress trees were to be found for about 4-5 miles in one direction - mostly along … seasonal water courses - and maybe 1/2 mile in the other direction.		Lassen NF	4800
2	8.1 mi. W. of Hat Creek Ranger Staion, Burney Spring Forest Service Rd. Mt. Diablo Mdn.	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (DS339847)	23-Jul-1939			Lassen NF	4800
2	Near seasonal water course Burney Spring Grove and Region	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (CAS296952)	23-Jul-1939			Lassen NF	4800
2	Local landmark: Burney Spring. Burney Quad.	Shasta	Burney Mountain East (4012175)	CCH2, June 2021 (PUA11407)	23-Jul-1939			Lassen NF	
2	W of Forest Service Road to & just n of Cypress Camp. Mt. Lassen Nat l forest.	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (RSA22757)	24-Jul-1939			Lassen NF	5400
2	Burney Spring Grove - Burney Spring Region	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (DS296929)	24-Jul-1939			Lassen NF	5400

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2	W. of Forest Service Road to & just N. of Cypress Camp. Mt. Lassen National Forest. Mt. Diablo Mdn.	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (DS339848)	24-Jul-1939			Lassen NF	5400
2	W. of Forest Service Road to and just N. of Cypress Camp. Mt. Lassen National Forest. R. 3 E., T. 33 N., Apx. Sec 2. Mt. Diablo Mdn.	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (A356428)	24-Jul-1939			Lassen NF	5400
2	Burning [= Burney] Spring Grove. R.3E., T.33N., Apx. Sec. 2	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (A356442)	24-Jul-1939			Lassen NF	5400
2	Local landmark: Burney Spring. Burney Quad.	Shasta	Burney Mountain East (4012175)	CCH2, June 2021 (PUA4089)	24-Jul-1939			Lassen NF	
2	9 mi e of Hat Creek Ranger Station (Burney Springs at Cypress Campground); Burney Springs	Shasta	Burney Mountain East (4012175)	CCH2, Nov. 2020 (UC1086212)	23-Aug-1950			Lassen NF	
2	7.8 mi from Hat Creek Ranger Station (toward Cypress Camp)	Shasta	Burney Mountain East (4012175)	CCH2, Nov. 2020 (UC1174975)	21-Oct-1959			Lassen NF	

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2	7.8 mi. S. from Hat Creek Ranger Station toward Cypress Camp	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (CAS451240)	21-Oct-1959	Scattered.		Lassen NF	4500
2	7.8 miles S from Hat Creek Ranger Station toward Cypress Camp	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (RSA134773)	21-Oct-1959			Lassen NF	4500
2	Near Cypress Camp, Burney Springs area.	Shasta	Burney Mountain East (4012175)	CCH2, Nov. 2020 (SDSU1792)	28-Aug-1966			Lassen NF	
2	Near Cypress Camp, Burney Springs Area	Shasta	Burney Mountain East (4012175)	CCH2, Nov. 2020 (SD64428)	28-Aug-1966			Lassen NF	
2	Near Cypress Camp, Burney Springs Area	Shasta	Burney Mountain East (4012175)	CCH2, June 2021 (CSLA020546)	28-Aug-1966			Lassen NF	
2	8 miles east of Hot [= Hat] Creek Ranger Station on Burney Spring Road	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (CAS527149)	10-Sep-1970			Lassen NF	4000
2	9.3 miles W of Hwy 89 at Hat Creek Ranger Station, toward Burney Springs. Along forestry road 26	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (RSA300573)	14-Oct-1982			Lassen NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
2	Cascade Range, between Freaner Peak and Burney Mountain, 11.5 road miles from junction of Hwy 89 and Tamarack Camp Road. T34N R3E sec 35	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (SEINET1 1052402)	24-Nov-1996			Lassen NF	4900
2	Lassen National Forest, along Road 34N-60, ca. 1.5 miles N of Cypress Trailhead. West of Eiler Gulch, near Thousand Lakes Wilderness.	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (NY743506)	30-Aug-2005			Lassen NF	
2	Lassen National Forest, along Rd. 34N-60, ca. 1.5 mi. n. of Cypress Trailhead, w. of Eiler Gulch, near Thousand Lakes Wilderness, T.43N, R.3E, Section 35 SE 1/4 SW 1/4	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (GH356432)	30-Aug-2005			Lassen NF	5120
2	Lassen National Forest, along Rd. 34N-60, ca 1.5 mi. n. of Cypress Trailhead, w. of Eiler Gulch, near Thousand Lakes Wilderness.	Shasta	Burney Mountain East (4012175)	CCH1, June 2021 (RSA720773)	30-Aug-2005			Lassen NF	5120

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
2	Burney Springs	Shasta	Burney Mountain East (4012175)	CCH2, June 2021 (SOC4156)	Sep-1976			Lassen NF	
3	Eiler Gulch	Shasta	Thousand Lakes Valley (4012165)	Kirsten Bovee, Lassen NF polygon data (received June 2021), occurrence no. HEBA5-004	2021			Lassen NF	
3		Shasta	Thousand Lakes Valley (4012165)	Kyle Merriam, USFS polygon data (received June 2021)				Lassen NF	
3	Burney Spring Reg., Burney Spring Reg. (Burney Spring Grove)	Shasta	Thousand Lakes Valley (4012165)	CCH2, Nov. 2020 (UC650673)	24-Jul-1939			Lassen NF	
3	Burning [= Burney] Spring Grove. R.3E., T.33N., Apx. Sec. 11	Shasta	Thousand Lakes Valley (4012165)	CCH1, June 2021 (A356441)	24-Jul-1939			Lassen NF	
3	Burney Spring Grove, Burney Spring Region	Shasta	Thousand Lakes Valley (4012165)	CCH1, June 2021 (DS296942)	24-Jul-1939			Lassen NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
3	E side of 1000 Lakes Valley trail, about a 15 min. hike above Cypress Camp. Burney Spring Region, Mt. Lassen Nat l Forest	Shasta	Thousand Lakes Valley (4012165)	CCH1, June 2021 (RSA2277 1)	24-Jul-1939	This was near the upper limits of the Burney Spring Grove. In some places the Cypress was the dominant forest cover. ... Here the Cypress trees predominated on the slightly rolling ridges. ... Maybe here the Cypress trees were to be found for about 4-5 miles in one direction - mostly along ... seasonal water course - and maybe 1/2 mile in the other direction.		Lassen NF	
3	½ mi. S.W. of Cypress Camp Ground, about 3 mi. S. of Hat Creek Ranger Sta. to Burney Spring Rd.	Shasta	Thousand Lakes Valley (4012165)	CCH2, Nov. 2020 (DS339841)	25-Jul-1941	Common		Lassen NF	5000
3	1/2 mi. S.W. of Cypress Camp Ground; about 3 mi. S. of Hat Creek Ranger Sta. to Burney Spring Rd.	Shasta	Thousand Lakes Valley (4012165)	CCH1, June 2021 (A356429)	25-Jul-1941			Lassen NF	5000
3	0.5 mile southwest of Cypress Camp Ground; about 3 miles south of Hat Creek ranger Station to Burney Spring Road	Shasta	Thousand Lakes Valley (4012165)	CCH1, June 2021 (NY16596)	25-Jul-1941			Lassen NF	

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3	0.5 miles SW if Cypress Campground, about 3 miles S of Hat Creek Ranger Station to Burney Spring Road	Shasta	Thousand Lakes Valley (4012165)	CCH1, June 2021 (RSA25722)	25-Jul-1941			Lassen NF	5000
3	0.5 miles SW if Cypress Campground, about 3 miles S of Hat Creek Ranger Station to Burney Spring Road	Shasta	Thousand Lakes Valley (4012165)	CCH1, June 2021 (RSA25808)	25-Jul-1941			Lassen NF	5000
3	0.5 miles SW if Cypress Campground, about 3 miles S of Hat Creek Ranger Station to Burney Spring Road	Shasta	Thousand Lakes Valley (4012165)	CCH1, June 2021 (RSA352342)	25-Jul-1941			Lassen NF	5000
3	1/2 mi S.W. of Cypress camp ground; about 3 mi S of Hat Creek Ranger Sta. to Burney Spring Rd. Arid transition-Abies concolor, Pinus Ponderosa. Semi-shade-sun: Dry volcanic loam; open forest.	Shasta	Thousand Lakes Valley (4012165)	CCH1, June 2021 (MO726775)	25-Jul-1941			Lassen NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
3	1/2 mi SW of Cypress Camp ground; aobut 3 mi S of hat Crk Ranger station to Burney Spring rd	Shasta	Thousand Lakes Valley (4012165)	CCH2, Nov. 2020 (OBI7193)	25-Jul-1941	Common		Lassen NF	5000
3	0.5 mile southwest of Cypress Camp Ground; about 3 miles south of Hat Creek Ranger Station to Burney Spring road	Shasta	Thousand Lakes Valley (4012165)	CCH2, Nov. 2020 (SD41192)	25-Jul-1941			Lassen NF	5004
3	n side Crater Peak; Burney District, Cyprus [= Cypress] Camp	Shasta	Thousand Lakes Valley (4012165)	CCH2, Nov. 2020 (UC1040773)	8-Aug-1956			Lassen NF	
3	Lassen National Forest, Cypress Camp, Burney district, Eiler Gulch, Thousand Lakes Wilderness.	Shasta	Thousand Lakes Valley (4012165)	CCH1, June 2021 (CDA650)	8-Aug-1956			Lassen NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
3	High cascade Range. Near Eiler Creek between Fraener Peak and Horse Heaven Buttes; about 0.2 mi southeast of Cypress Trailhead in to Thousand Lakes Wilderness Area. T33N R03E S02 SE1/4 of SW1/4 USGS Quadrangle: Thousand Lakes 1:24,000	Shasta	Thousand Lakes Valley (4012165)	CCH2, Nov. 2020 (CHSC076827)	10-Oct-1999			Lassen NF	5440
3	about 0.2 mi SE of Cypress Trailhead into Thousand Lakes Wilderness Area (near Eiler Creek between Fraener Peak and Horse Heaven Buttes); High Cascade Range	Shasta	Thousand Lakes Valley (4012165)	CCH2, Nov. 2020 (UC1748364)	10-Oct-1999			Lassen NF	5440

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4	4M001 Rd W of Burney Mt.	Shasta	Burney Mountain West (4012176)	Kirsten Bovee, Lassen NF polygon data (received June 2021), occurrence no. HEBA5-PRIV	1989			BLM, private	
4		Shasta	Burney Mountain West (4012176)	Kyle Merriam, USFS polygon data (received June 2021)				BLM, private	
4	7.5 miles south of Scott Mill, 5 miles WSW of Burney Mountain. 34N02E25	Shasta	Burney Mountain West (4012176)	CCH1, June 2021 (RSA152466)	25-Oct-1960			BLM, private	
4	7.5 mi s of Scott Mill (5 mi wsw of Burney Mountain); Quad. 22A3	Shasta	Burney Mountain West (4012176)	CCH1, June 2021 (UC1181944)	25-Oct-1960			BLM, private	4400
4	T34N R2E sec 25 NE1/4 NW1/4. Collected along pipeline corridor.	Shasta	Burney Mountain West (4012176)	CCH2, Nov. 2020 (BLMRD0294)	29-Mar-1990			BLM, private	

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4	Tamarak Road, at the crossing of the Pacific Gas Pipeline ca. 2 mile S of Dry Lake and 0.5 pipeline miles N of Burney Creek crossing	Shasta	Burney Mountain West (4012176)	Calflora, Jan. 2021 (xr168978)	22-Aug-1990	1+ individuals		BLM, private	4557
5	Seiad	Siskiyou	Kangaroo Mtn. (4112382)	Kyle Merriam, USFS polygon data (received June 2021)		This is the second largest stand covering approx. 800 acres (Merriam and Rentz 2010). Cored trees were between 32 and 113 years old. In areas where fire has occurred since 1950, stands are typically dense even-age stands of sapling size trees with as many as 800 trees in a tenth of an acre. Only four seedlings were found.	Trees in this stand have a greater amount of rot than those at other locations (Merriam and Rentz 2010). Further study needed to determine what factors are contributing to the rot and how this may affect the overall health of the stand.	Klamath NF (site was set aside as a botanical special interest area in 1994)	
5	Above west fork Seiad Creek, 3/4 mile above forks of creek. Siskiyou Mountains [ridge between the west and east forks of Seiad Creek, south slope hillside]	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (RSA1760 4)	9-Oct-1934			Klamath NF	3800

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
5	Siskiyou Mts., above W. fork of Seiad Creek, 3/4 mi. above forks of creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (DS339107)	9-Oct-1934			Klamath NF	3800
5	Siskiyou Mts. above W. Fork of Seiad Creek, 3/4 mi above forks of creek. Arid transition:- Yellow Pines, Douglas Firs. Sun. S slope in red rock/	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (MO726663)	9-Oct-1934			Klamath NF	
5	Siskiyou Mts., above W. fork of Seiad Creek, 3/4 mi. above forks of creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (F1603936)	9-Oct-1934			Klamath NF	3800
5	Siskiyou Mountains, above west fork of Seiad Creek, 0.75 mile above forks of creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (A22466)	9-Oct-1934			Klamath NF	
5	Siskiyou Mountains, above west fork of Seiad Creek, 0.75 mile above forks of creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (A22467)	9-Oct-1934			Klamath NF	

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5	Siskiyou Mts., above W fork of Seiad Creek, 0.75 mi above forks of creek.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (NY1292)	9-Oct-1934			Klamath NF	
5	Siskiyou Mts., above W fork of Seiad Creek, 0.75 mi above forks of creek.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (NY1293)	9-Oct-1934			Klamath NF	
5	Siskiyou Mountains, above west fork of Seiad Creek, 3/4 mile above forks of creek, south slope in red rock.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (SD136999)	9-Oct-1934	Abundant		Klamath NF	
5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA11447)	9-Oct-1934			Klamath NF	
5	Forks of Seiad Creek, Siskiyou Mts.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (DS215492)	16-Feb-1902			Klamath NF	
5	Fork of Seiad Creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (UC483417)	16-Feb-1902			Klamath NF	
5	Siskiyou Mts., above W. fork of Seiad Creek, 3/4 mi. above forks of creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (DS339108)	9-Oct-1934	abundant		Klamath NF	3800

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5	Siskiyou Mountains, above West Fork of Seiad Creek, 0.75 miles above forks of creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (NY16604)	9-Oct-1934			Klamath NF	
5	Siskiyou Mountains, above West Fork of Seiad Creek, 0.75 miles above forks of creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (NY16605)	9-Oct-1934			Klamath NF	
5	Siskiyou Mountains, above West Fork of Seiad Creek, 0.75 miles above forks of creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (NY16606)	9-Oct-1934			Klamath NF	
5	Above west fork Seiad Creek, 3/4 mile above forks of creek. Siskiyou Mountains [ridge between the west and east forks of Seiad Creek, south slope hillside]	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (RSA17605)	9-Oct-1934			Klamath NF	3800
5	Siskiyou Mts., above W. fork of Seiad Creek, 3/4 mi. above forks of creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (F1600573)	9-Oct-1934			Klamath NF	3800

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5	Siskiyou Mts. Above W. Fork of Seiad Creek, 3/4 mi above forks of creek. Arid transition:- Yellow Pines, Douglas Firs. Sun. S slope in red rock.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (MO726554)	9-Oct-1934			Klamath NF	
5	West Fork Seiad Creek; Siskiyou Mts., Mt. Diablo Mer., Seiad Creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (UC813438)	14-Apr-1935			Klamath NF	3800
5	West Fork Seiad Creek Siskiyou Mts.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (JEPS48247)	14-Apr-1935			Klamath NF	3800
5	West Fork Seiad Creek, Siskiyou Mtns. (Mt Diablo Mer). 47N11W17	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (RSA30874)	14-Apr-1935			Klamath NF	
5	Siskiyou Mts., West Fork Seiad Creek. T47N R11W S17 USGS Quadrangle: Mt. Diablo Mer.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (CHSC109724)	14-Apr-1936			Klamath NF	3800
5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA13095)	14-Apr-1935			Klamath NF	

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5	Nearly the highest point of Seiad Grove, Seiad Region	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (RSA2276 6)	11-Jul-1939	Here the Bakers Cypress was the dominant forest cover. Extent: the Seiad Grove must cover about a square mile section- over a mile in either direction. The District Ranger at Seiad Valley told me that the Seiad Grove must cover about a section. [T]he Seiad Grove covers quite a wide range as to elevation [from 2100 to 4700 feet].		Klamath NF	
5	Seiad Grove. R.11, T47N., Apx. Sec. 20	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (A356417)	11-Jul-1939			Klamath NF	
5	Nearly the highest point of Seiad Grove, Seiad Region	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (DS339860)	11-Jul-1939			Klamath NF	
5	Seiad Grove	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (UC650667)	11-Jul-1939			Klamath NF	
5	Seiad Grove. R.11W., T.47N., Apx. Sec. 20	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (A356443)	11-Jul-1939			Klamath NF	3000
5	Seiad Grove	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (DS296936)	11-Jul-1939			Klamath NF	

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5	Seiad Grove - Seiad Region, west side of mining company trail along ridge above cook house	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (RSA2276 7)	11-Jul-1939	Here the Bakers Cypress was the dominant forest cover.... The Seiad Grove must cover about a square section - over a mile in either direction.		Klamath NF	3000
5	Seiad Grove	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (F1577785)	11-Jul-1939			Klamath NF	3000
5	Seiad Grove	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (UC758450)	11-Jul-1939	grove		Klamath NF	2800
5	Seiad Grove. R.11W., T.47N., Apx. Sec. 20	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (A356419)	11-Jul-1939			Klamath NF	2800
5	Near joining of W. and E. Fork of Seiad Creek, on ridge above company's chromium mine	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (DS339861)	11-Jul-1939			Klamath NF	2800
5	Seiad Grove and Region	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (DS296948)	11-Jul-1939			Klamath NF	
5	Near junction of W and E Fork of Seiad Creek, on ridge above company s chromium mine	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (RSA2276 8)	11-Jul-1939	The Seiad Grove must cover about a square section over a mile in either direction.		Klamath NF	2800
5	Salad [= Seiad] Grove.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (MO72549 5)	11-Jul-1939			Klamath NF	

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5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA1144 4)	11-Jul-1939			Klamath NF	
5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA1143 3)	11-Jul-1939			Klamath NF	
5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA1143 7)	11-Jul-1939			Klamath NF	
5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA1143 4)	11-Jul-1939			Klamath NF	
5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA1143 5)	11-Jul-1939			Klamath NF	
5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA1143 6)	11-Jul-1939			Klamath NF	
5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA1294 1)	11-Jul-1939			Klamath NF	
5	7.2 mi ne up creek from Hwy 96 (rd. to Kangaroo Mt.); Seiad Creek	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (UC104339 5)	13-Oct-1954			Klamath NF	2700

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5	Seiad Creek, road to Kangaroo Mountain, 7.2 miles NE from Hwy 96.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (RSA96962)	13-Oct-1954	Locally abundant		Klamath NF	2700
5	Local landmark: Seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA14053)	13-Oct-1954			Klamath NF	
5	between e. and w. forks of Seiad Creek, Siskiyou Mts.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (CAS527150)	8-Sep-1970			Klamath NF	2800
5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA11446)	8-Sep-1970			Klamath NF	
5	Trail to the Siskiyou cypress stand off the Cook and Green Pass road	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (CAS1084752)	5-May-1973			Klamath NF	
5	Trail to the Siskiyou cypress stand off the Cook and Green Pass road. 47N11W20	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (RSA256700)	5-May-1973			Klamath NF	
5	Trail to the Siskiyou cypress stand, off the Cook and Green Pass Rd. 47N11W20	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (HSC32478)	5-May-1973			Klamath NF	

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5	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA7892)	5-May-1973			Klamath NF	
5	Seiad Valley Rd. toward Cook & Green Pass, ridge at junction between the West and East slope	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (UC1585412)	3-Oct-1989			Klamath NF	
5	Cook and Green	Siskiyou	Kangaroo Mtn. (4112382)	NRIS polys, Nov. 2020 (0505_51_HEBA5-5-1)	1-Aug-2013			Klamath NF	
5	west fork of Seiad Cr.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (SOC4113)	Sep-1976			Klamath NF	
5	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA41842)	9-Jul-1980			Klamath NF	
5	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA41849)	9-Jul-1980			Klamath NF	
5	Ridge south of PCT; Klamoth National Forest	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (KNFY)	23-Jun-1980			Klamath NF	
5	Local landmark: 'seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA42696)	23-Jun-1980			Klamath NF	

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5	Local landmark: Seiad Creek. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA12942)	16-Feb-1902			Klamath NF	
5	Local landmark: Kangaroo Mountain. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA11450)	16-Feb-1902			Klamath NF	
6	Sullivan Mine Grove Cook and Green Region	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (UC650670)	3-Jul-1939			Rogue River-Siskiyou NF	
6	Sullivan Mine Grove; Cook and Green Region	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (DS296953)	3-Jul-1939			Rogue River-Siskiyou NF	
6	S. W. of Sullivan Mine, Cook - Green Region, 3 mi. S. of Blue Ledge Mine	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (DS339858)	3-Jul-1939			Rogue River-Siskiyou NF	
6	Sullivan Mine Grove; Cook and Green region	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (POM264956)	3-Jul-1939			Rogue River-Siskiyou NF	
6	Southwest of Sullivan Mine. Cook-Green Region, 3 miles south of Blue Ledge Mine. 48N11W04	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (RSA22774)	3-Jul-1939	Extent: Maybe 150 yards up and down by 25 yards wide. Probably not over 8 or 10 good sized trees.		Rogue River-Siskiyou NF	4000

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
6	S.W. of Sullivan Mine, Cook-Green Region. 3 mi. S. of Blue Ledge Mine. R.4W., T.48N., Apx. Sec. 4, Mt. Diablo Mdn.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (A356450)	3-Jul-1939			Rogue River-Siskiyou NF	
6	Sullivan Mine Grove Cook and Green Region, Sullivan Mine Grove	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, Nov. 2020 (UC650675)	5-Jul-1939			Rogue River-Siskiyou NF	3498
6	Sullivan Mine Grove - Cook and Green Region. R.4W., T.48N., Apx. Sec 4	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (A356416)	3-Jul-1939			Rogue River-Siskiyou NF	
6	Sullivan Mine Grove, Cook and Green Region	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (DS 296938)	5-Jul-1939			Rogue River-Siskiyou NF	
6	S.E. of Sullivan Mine, Cook-Green Region, 3 mi. S. of Blue Ledge Mine	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (DS 339859)	3-Jul-1939			Rogue River-Siskiyou NF	
6	Sullivan Mine Grove; Cook and Green Reg.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (POM265146)	5-Jul-1939			Rogue River-Siskiyou NF	
6	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021, PUA11442)	5-Jul-1939			Rogue River-Siskiyou NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
6	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021, PUA11443)	5-Jul-1939			Rogue River-Siskiyou NF	
6	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021, PUA12940)	5-Jul-1939			Rogue River-Siskiyou NF	
6	Southwest of Sullivan Mine. Cook-Green Region, 3 miles south of Blue Ledge Mine	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (RSA22775)	3-Jul-1939			Rogue River-Siskiyou NF	4000
6	S.W. of Sullivan Mine, Cook-Green Region. 3 mi. S. of Blue Ledge Mine. R.4W., T.48N., Apx. Sec. 4, Mt. Diablo Mdn.	Siskiyou	Kangaroo Mtn. (4112382)	CCH1, June 2021 (A356449)	3-Jul-1939			Rogue River-Siskiyou NF	
6	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA11441)	3-Jul-1939			Rogue River-Siskiyou NF	
6	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA11440)	3-Jul-1939			Rogue River-Siskiyou NF	
6	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA11439)	3-Jul-1939			Rogue River-Siskiyou NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
6	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA12939)	3-Jul-1939			Rogue River-Siskiyou NF	
7	GoosenestNW	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	Kyle Merriam, USFS polygon data (received June 2021)		The stand covers approximately 350 acres with rocky lava flows approximately 50 to 100 feet across dividing it into dense islands of trees in areas where there is sufficient soil depth (Merriam and Rentz 2010). All trees cored measured between 53 and 163 years of age.	Limited regeneration occurring within this stand (Merriam and Rentz 2010).	Klamath NF	
7	Goosenest foothills in rocky canyon Goosenest foothills	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, Nov. 2020 (UC202175)	4-Jul-1910			Klamath NF	4000
7	[G... handwriting not clear] foothills	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (NY16590)	4-Jul-1910			Klamath NF	
7	Goosenest foothills	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (POM120002)	4-Jul-1910			Klamath NF	4000

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
7	Goosenest Mt.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (POM11470)	4-Jul-1910			Klamath NF	4000
7	Goosenest Mt.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, June 2021 (POM161439)	4-Jul-1910			Klamath NF	
7	Local landmark: Shasta National Forest. Dwinnell Reservoir Quad.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, June 2021 (PUA13372)	4-Jul-1910			Klamath NF	
7	North-westerly Grove, [Goose Nest] Goosenest Region	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, Nov. 2020 (DS296930)	14-Jul-1939			Klamath NF	5501
7	Northwest Goose Nest Grove - Goose Nest Region. R.4W., T.45N., Apx. Sec. 14	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (A356436)	13-Jul-1939			Klamath NF	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
7	NW slope of Goose Nest, E of Yreka.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (RSA2276 3)	13-Jul-1939	The Goose Nest Northwest Grove must extend up and down Goose Nest for a good mile and maybe the other way for a half mile. ... A fairly recent forest fire had killed off the original forest cover and a new forest of young Bakers Cypress, scores of young trees covering many acres, were coming up where the soil was found between the lava flows. Quite a sight!		Klamath NF	
7	North-westerly Grove , North-westerly Grove (Goose Nest Region)	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, Nov. 2020 (UC650676)	14-Jul-1939			Klamath NF	
7	Northwest slope of [Goose Nest] Goosenest, East of Yreka	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, Nov. 2020 (DS339862)	13-Jul-1939			Klamath NF	5501
7	North-westerly Grove, [Goose Nest] Goosenest Region	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, Nov. 2020 (DS296941)	14-Jul-1939			Klamath NF	5501

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
7	Northwest Goose Nest Grove - Goose Nest Region. R.4W., T.45N., Apx. Sec. 14 (One hours hike below #33.)	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (A356435)	13-Jul-1939			Klamath NF	
7	North-westerly Grove, Goose Nest Region	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (POM264954)	14-Jul-1939			Klamath NF	
7	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, July 2021 (PUA11428)	14-Jul-1939			Klamath NF	
7	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, July 2021 (PUA11429)	14-Jul-1939			Klamath NF	
7	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, July 2021 (PUA13373)	14-Jul-1939			Klamath NF	
7	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, July 2021 (PUA11430)	14-Jul-1939			Klamath NF	

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7	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, July 2021 (PUA1143 1)	14-Jul-1939			Klamath NF	
7	NW slope of Goose Nest, E of Yreka.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (RSA2276 4)	13-Jul-1939	The Goose Nest Northwest Grove must extend up and down Goose Nest for a good mile and maybe the other way for a half mile.		Klamath NF	
7	N.W. slope of Goose Nest. East of Yreka. R.4W., T.45N., S. and E. of Sec. 14	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (A356448)	13-Jul-1939			Klamath NF	
7	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, June 2021 (PUA1143 2)	13-Jul-1939			Klamath NF	
7	N.W. side [Goose Nest] Goosenest Mt., about 1 mi. due S. of Old Smith Sawmill on Montague to Mt. Hebron Road	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, Nov. 2020 (DS338918)	29-Oct-1944	scattered		Klamath NF	5500
7	N.E. side [Goose Nest] Goosenest Mt., about 1 mi. S. of [Goose Nest] Goosenest Rd. #1 leading off the Montague to Hebron Road	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, Nov. 2020 (DS338919)	29-Oct-1944	common. There is a considerable area here with cypresses but no real grove, and no trees seem over 40 feet high.		Klamath NF	5500

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7	NW side Goose Nest Mt, about 1 mi due S of Old Smith sawmill on Montague to Mt. Hebron rd	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, Nov. 2020 (OBI7194)	29-Oct-1944	scattered. The trees seem to occupy a band or belt about 500 t in vertical distribution and do not form a grove but occur in thickets of 50-100 small 10-12 ft high and mostly solitary trees up to 40 ft		Klamath NF	5500
7	Northwest side Goose Nest Mt., about 1 mile due south of Old Smith Sawmill on Montague to Mt. Hebron Road	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (NY16601)	29-Oct-1944			Klamath NF	
7	Northwest side Goose Nest Mt., about 1 mile due south of Old Smith Sawmill on Montague to Mt. Hebron Road	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (NY16602)	29-Oct-1944			Klamath NF	
7	NW side Goose Nest mtn, about 1 mi due S of old Smith sawmill on Montague to Mt. Hebron Rd.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (RSA5055 6)	29-Aug-1944	Scattered trees, ... The trees seem to occupy a band or belt about 500 ft in the vertical distribution and do not form a groove but occur in thickets of 50-100 small 10-12 ft high and mostly solitary trees up to 40 ft.		Klamath NF	5500

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
7	N.W. side Goose Nest Mt., about 1 mi. due S. of old Smith sawmill on Montague to Mt. Hebron Rd.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (F1573191)	29-Oct-1944			Klamath NF	5500
7	N.E. side Goose Nest Mt., about 1 mi. due S. of Old Smith Sawmill on Montague to Mt. Hebron Road	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (A356452)	29-Oct-1944			Klamath NF	5500
7	North West side Goose Nest Mountain. About 1 mi due South of old Smith sawmill on Montague to Mt. Hebron Road. Arid Transition:- Incense cedar, yellow Pine. Sun. Slopes. Volcanic Rock.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (MO725389)	29-Oct-1944			Klamath NF	
7	northwest side of Goose Nest Mountain, about 1 mile due south of Old Smith Sawmill on Montague to Mount Hebron Road	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (SD40655)	29-Oct-1944			Klamath NF	

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7	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, June 2021 (PUA1144 8)	29-Oct-1944			Klamath NF	
7	Goosenest Mtn., south of Ball Mtn./Little Shasta Rd. (uphill south of Historical Smiths Sawmill) Grass Lake 7.5' Quad. N41°44'38.87" W122°14'00.90"	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, Nov. 2020 (CAS1084 933)	8-Aug-1998			Klamath NF	5500
7	Goosenest Mtn., south of Ball Mtn./Little Shasta Rd. (uphill south of Smith's Sawmill [Historical]) [GrassLake] Grass Lake 7.5' Quad. N41°44'38.87" W122°14'00.90"	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH2, Nov. 2020 (CAS1084 940)	8-Aug-1998	Trees scattered; trees are in poor condition.		Klamath NF	5500
7	Goosenest Mtn. GrassLake 7.5' Quad; south of Ball Mtn./Little Shasta Rd.; (uphill south of Smith's Sawmill [Historical]).	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	CCH1, June 2021 (OSC2178 81)	8-Aug-1998			Klamath NF	

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7	Goosenest Mtn	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	NRIS polys, Nov. 2020 (0505_57_HEBA5-5-2)	1-Aug-2013			Klamath NF	
7	41.738819, -122.261445	Siskiyou	Solomons Temple (4112263), Grass Lake (4112262)	Calflora, Jan. 2021 (po14486)	10-Apr-2016	51 - 100 individuals		Klamath NF	5086
8	GoosenestNE	Siskiyou	Grass Lake (4112262)	Kyle Merriam, USFS polygon data (received June 2021)		Baker cypress forms a sparse cover on approx. 85 acres with a few scattered older trees (Merriam and Rentz 2010). No seedlings seen here. The area is primarily Forest Service land surrounded by private timber land that has been harvested.	There are few surviving Baker cypress trees remaining in this area; threatened by encroachment of white fir (Abies concolor) which has become locally dominant (Merriam and Rentz 2010)	Klamath NF, private	
8	ne Goose Nest Grove Goose Nest Region	Siskiyou	Grass Lake (4112262)	CCH2, Nov. 2020 (UC650674)	18-Jul-1939			Klamath NF, private	
8	N.E. [Goose Nest] Goosenest Grove - [Goose Nest] Goosenest Region	Siskiyou	Grass Lake (4112262)	CCH2, Nov. 2020 (DS296937)	18-Jul-1939			Klamath NF, private	5501

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8	N.E. [Goose Nest] Goosenest - East of Yreka	Siskiyou	Grass Lake (4112262)	CCH2, Nov. 2020 (DS339863)	18-Jul-1939			Klamath NF, private	5501
8	Northwest Goose Nest Grove - Goose Nest Region. R.3W., T.45N., Apx. Sec. 21	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (A356437)	18-Jul-1939			Klamath NF, private	
8	NE Goose Nest Grove; Goose Nest region	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (POM264855)	18-Jul-1939			Klamath NF, private	
8	Northeast Goose Nest. East of Yreka	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (RSA22759)	18-Jul-1939	Cypress trees formed a kind of long slender "botanical island - outpost - remnant". Extent of distribution maybe a mile up and down Goose Nest (north and south) by 200 yards east and west.		Klamath NF, private	
8	Northeast Goose Nest. East of Yreka. R.3W., T.45N., about Sec. 21	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (A356446)	18-Jul-1939			Klamath NF, private	
8	ne Goose Nest Grove Goose Nest Region	Siskiyou	Grass Lake (4112262)	CCH2, Nov. 2020 (UC650672)	18-Jul-1939			Klamath NF, private	
8	Northeast [Goose Nest] Goosenest. East of Yreka	Siskiyou	Grass Lake (4112262)	CCH2, Nov. 2020 (DS339855)	18-Jul-1939			Klamath NF, private	5501

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8	Northwest Goose Nest Grove - Goose Nest Region. R.3W., T.45N., Apx. Sec. 21	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (A356438)	18-Jul-1939			Klamath NF, private	
8	N.E. Goose Nest Grove-Goose Nest Region	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (DS296934)	18-Jul-1939			Klamath NF, private	
8	Northeast Goose Nest. East of Yreka	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (RSA22769)	18-Jul-1939			Klamath NF, private	
8	Northeast [Goose Nest] Goosenest, East of Yreka	Siskiyou	Grass Lake (4112262)	CCH2, Nov. 2020 (DS339854)	18-Jul-1939			Klamath NF, private	5501
8	Northeast Goose Nest Grove - Goose Nest Region. R.3W., T.45N., Apx. Sec. 21	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (A356420)	18-Jul-1939			Klamath NF, private	
8	Northeast Goose Nest Grove-Goose Nest Region	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (DS296935)	18-Jul-1939			Klamath NF, private	
8	NW Goose Nest, E of Yreka	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (RSA24032)	18-Jul-1939			Klamath NF, private	
8	Northeast Goose Nest. East of Yreka	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (RSA22761)	18-Jul-1939			Klamath NF, private	

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8	Northeast Goose Nest Grove.	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (NCSC48451)	18-Jul-1939			Klamath NF, private	
8	N.E. slope of [Goose Nest] Goosenest	Siskiyou	Grass Lake (4112262)	CCH2, Nov. 2020 (DS339853)	19-Jul-1939			Klamath NF, private	5501
8	North-easterly Grove, [Goose Nest] Goosenest Region	Siskiyou	Grass Lake (4112262)	CCH2, Nov. 2020 (DS296924)	19-Jul-1939			Klamath NF, private	5501
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA11438)	19-Jul-1939			Klamath NF, private	
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA11409)	19-Jul-1939			Klamath NF, private	
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA11424)	19-Jul-1939			Klamath NF, private	
8	Northeast Goose Nest Grove - Goose Nest Region. R.3W., T.45N., Apx. Sec. 21 or 28	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (A356418)	18-Jul-1939			Klamath NF, private	
8	N.E. Goose Nest Grove-Goose Nest Region	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (DS296933)	18-Jul-1939			Klamath NF, private	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
8	Northeast slope of Goose Nest, ca. 15 minute hike from end of recently abandoned caterpillar logging trail or drag-way.	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (RSA22756)	18-Jul-1939			Klamath NF, private	
8	Northeast slope of Goose Nest. R.3W., T.45N., maybe Sec. 28	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (A356447)	18-Jul-1939			Klamath NF, private	
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA11449)	18-Jul-1939			Klamath NF, private	
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA13374)	18-Jul-1939			Klamath NF, private	
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA13375)	18-Jul-1939			Klamath NF, private	
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA11410)	18-Jul-1939			Klamath NF, private	
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA11411)	18-Jul-1939			Klamath NF, private	
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA11412)	18-Jul-1939			Klamath NF, private	

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8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA1142 5)	18-Jul-1939			Klamath NF, private	
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA1142 6)	18-Jul-1939			Klamath NF, private	
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA1142 7)	18-Jul-1939			Klamath NF, private	
8	Meadows and Goosenest Mountain.	Siskiyou	Grass Lake (4112262)	CCH2, Nov. 2020 (UC173397 2)	15-May-1940			Klamath NF, private	5998
8	NE side Goose Nest Mt., about 1 mile south of Goose Nest Road #1 leading off the Montague to Mt. Hebron road	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (RSA5055 4)	29-Oct-1944	common. There is a considerable area here with cypresses but no real grove, and no trees seem over 40 feet high.		Klamath NF, private	
8	N.E. side Goose Nest Mt., about 1 mi. S. of Goose Nest Rd. #1 Leading off the Montague to Mt. Hebron Road	Siskiyou	Grass Lake (4112262)	CCH1, June 2021 (A356451)	29-Oct-1944			Klamath NF, private	5500
8	Local landmark: Goosenest. The Whaleback Quad.	Siskiyou	Grass Lake (4112262)	CCH2, June 2021 (PUA1144 5)	29-Oct-1944			Klamath NF, private	

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8	Goosenest Mtn	Siskiyou	Grass Lake (4112262)	NRIS polys, Nov. 2020 (0505_57_ HEBA5-5-3)	1-Aug-2013			Klamath NF, private	
8		Siskiyou	Grass Lake (4112262)	Calflora, Jan. 2021 (po14487)	10-Apr-2016			Klamath NF, private	6086
9	WheelerPeak	Plumas	Genesee Valley (4012016)	Kyle Merriam, USFS polygon data (received June 2021)		Baker cypress stands are widely scattered throughout a 73-acre area (Merriam and Rentz 2010). The average age of trees at Wheeler Peak was 95 years, with a range of between 46 and 158 years. Much of the unit is characterized by small, dense groves of Baker cypress isolated from one another by open, rocky soil. Densities for six plots averaged 3100 trees/ha, with Baker cypress comprising 44 percent of the stems (Cheng 2004).	Site is within the established Mud Lake Research Natural Area (Cheng 2004). Encroachment by other conifers not an issue; fire needed for regeneration (Merriam and Rentz 2010).	Plumas NF	

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9	WheelerPeak	Plumas	Genesee Valley (4012016)	Kyle Merriam, USFS polygon data (received June 2021)				Plumas NF	
9	WheelerPeak	Plumas	Genesee Valley (4012016)	Kyle Merriam, USFS polygon data (received June 2021)				Plumas NF	
9	WheelerPeak	Plumas	Genesee Valley (4012016)	Kyle Merriam, USFS polygon data (received June 2021)				Plumas NF	
9	1.5 mi w of Wheeler Peak (scattered grove of ca 3 acres on n and e borders on an open lava cap)	Plumas	Genesee Valley (4012016)	CCH2, Nov. 2020 (UC1229887)	1-Oct-1962			Plumas NF	6550
9	1-1/2 miles west of Wheeler Peak	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (DS572393)	1-Oct-1962	In scattered grove about 3 acres		Plumas NF	6550
9	1 1/2 mi. w. of Wheeler Peak	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (DS501709)	1-Oct-1962	Scattered grove of ca. 3 acres.		Plumas NF	6550

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9	1 1/2 mi. W. of Wheeler Peak	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (CAS503578)	1-Oct-1962	scattered grove 3 acres		Plumas NF	
9	1-1/2 mi. w. of Wheeler Peak, in NE 1/4, sec. 23, T 26 N, R 11 E, M.D.M.	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (GH356453)	1-Oct-1962			Plumas NF	6550
9	1.5 miles W of Wheeler Peak., an extension of known range	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (POM313439)	1-Oct-1962			Plumas NF	6550
9	1.5 miles W of Wheeler Peak., an extension of known range	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (RSA176211)	1-Oct-1962			Plumas NF	6550
9	1.5 mi W of Wheeler Peak on N & E borders of an open lava cap	Plumas	Genesee Valley (4012016)	CCH2, Nov. 2020 (SJSU2607)	1-Oct-1962	in scattered grove c. 3 acres in extent		Plumas NF	
9	N & NE side of w flank of Wheeler Peak ridge, ca. 5 air mi n of Genesee. T26N R11E S23 NE1/4 USGS Quadrangle: Genesee Valley	Plumas	Genesee Valley (4012016)	CCH2, Nov. 2020 (CHSC033924)	13-Aug-1981			Plumas NF	6500
9	N and NE side of W flank of Wheeler Peak ridge, 5 air mi. N of Genesee	Plumas	Genesee Valley (4012016)	CCH2, Nov. 2020 (HSC73000)	13-Aug-1981			Plumas NF	6500

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9	Plumas Co.: Genesee Valley quad. N and NE side of west flank of Wheeler Peak ridge, ca. 5 air mi. NE of Genesee.	Plumas	Genesee Valley (4012016)	CCH2, Nov. 2020 (DAV93974)	13-Aug-1981			Plumas NF	6500
9	N & NE side of w flank of Wheeler Peak ridge, ca. 5 air mi n of Genesee	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (CAS877778)	13-Aug-1981			Plumas NF	6500
9	Genesee Valley quad. Open sagebrush area on top of hill N & NE side of W flank of Wheeler Peak Ridge, ca. 5 air mi N of Genesee.	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (BRY355416)	13-Aug-1981			Plumas NF	6500
9	T26n R11E ne 1/4 sec 23. Genesee Valley quad. Open sage- brush area on top of hill N & NE side of W flank of Wheeler Peak Ridge, ca 5 air mi N of Genesee.	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (MO726848)	13-Aug-1981			Plumas NF	

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9	T26n R11E ne 1/4 sec 23. Genesee Valley quad. Open sage- brush area on top of hill N & NE side of W flank of Wheeler Peak Ridge, ca 5 air mi N of Genesee.	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (MO726879)	13-Aug-1981			Plumas NF	
9	Site of Champion tree ; lava cap ridge 1.5 miles west of Wheeler Peak, 1 mile south of Beardsley Mine on forest road, 3.8 miles south of Green Flat, Plumas National Forest. 26N11E23	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (CDA651)	16-Jun-1982			Plumas NF	
9	Site of Champion tree ; lava cap ridge 1.5 miles west of Wheeler Peak, 1 mile south of Beardsley Mine on forest road, 3.8 miles south of Green Flat, Plumas National Forest. 26N11E23	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (CDA652)	16-Jun-1982			Plumas NF	
9	Plumas National Forest, Greenville Ranger District, near Wheeler Peak	Plumas	Genesee Valley (4012016)	CCH1, June 2021 (NY16592)	29-Sep-1987			Plumas NF	

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9		Plumas	Genesee Valley (4012016)	NRIS polys, Nov. 2020 (051102_CUBA_002B)	7-Aug-2003			Plumas NF	
9		Plumas	Genesee Valley (4012016)	NRIS polys, Nov. 2020 (051102_CUBA_002A)	17-Aug-2003			Plumas NF	
9		Plumas	Genesee Valley (4012016)	Calflora, Jan. 2021 (mg7155)	24-Sep-2014	51 - 100 individuals		Plumas NF	6500
9		Plumas	Genesee Valley (4012016)	Calflora, Jan. 2021 (mg7159)	24-Sep-2014	101 - 1000 individuals		Plumas NF	6595
9		Plumas	Genesee Valley (4012016)	NRIS polys, Nov. 2020 (051102_CUBA_002E)	8-Aug-2017	6 individuals		Plumas NF	
9		Plumas	Genesee Valley (4012016)	NRIS polys, Nov. 2020 (051102_CUBA_002C)	11-Jul-2018	8 individuals		Plumas NF	

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9		Plumas	Genesee Valley (4012016)	NRIS polys, Nov. 2020 (051102_CUBA_OO2D)	11-Jul-2018	31 individuals		Plumas NF	
9		Plumas	Genesee Valley (4012016)	NRIS polys, Nov. 2020 (051102_CUBA_002F)	15-Nov-2018			Plumas NF	
10	Mudlake	Plumas	Kettle Rock (4012026)	Kyle Merriam, USFS polygon data (received June 2021)		The Mud Lake site is 307 acres in size. Baker cypress stands are widely scattered throughout this area. Substantial cypress regeneration was observed after the 2007 Moonlight Fire (Merriam and Rentz 2010).	Site is within the established Mud Lake Research Natural Area (Cheng 2004). Another fire at the Mud Lake Unit would likely be very destructive to the Baker cypress population if it were to occur before the trees mature (Merriam and Rentz 2010).	Plumas NF	

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10	Mudlake	Plumas	Kettle Rock (4012026)	Kyle Merriam, USFS polygon data (received June 2021)				Plumas NF	
10	Mudlake	Plumas	Kettle Rock (4012026)	Kyle Merriam, USFS polygon data (received June 2021)				Plumas NF	
10	near e side Mud Lake (an extensive but scatterd grove extending n down slope toward Wilcox Valley, about 0.75 mi ne of Eisenhower Peak)	Plumas	Kettle Rock (4012026)	CCH2, Nov. 2020 (UC1229886)	1-Oct-1962			Plumas NF	6700
10	About 3/4 mile NE of Eisenheimer Peak, near east side of Mud Lake, extending northward down slope toward Wilcox Valley	Plumas	Kettle Rock (4012026)	CCH1, June 2021 (CAS520172)	1-Oct-1962	extensive but scattered grove		Plumas NF	6700
10	1.5 miles W of Wheeler Peak., an extension of known range	Plumas	Kettle Rock (4012026)	CCH1, June 2021 (RSA176228)	1-Oct-1962			Plumas NF	6550

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10	Approx. 1/8 mi. east of Mud Lake which lies due south of end of logging road	Plumas	Kettle Rock (4012026)	CCH2, Nov. 2020 (MACF019 598)	18-Sep-1975			Plumas NF	6900
10	Approx. 1/8 mi. east of Mud Lake which lies due south of end of logging road	Plumas	Kettle Rock (4012026)	CCH2, June 2021 (MACF019 597)	18-Sep-1975			Plumas NF	6900
10	Approx. 1/8 mi. east of Mud Lake which lies due south of end of logging road	Plumas	Kettle Rock (4012026)	CCH2, June 2021 (MACF019 599)	18-Sep-1975			Plumas NF	6900
10	Approx. 1/8 mi. east of Mud Lake which lies due south of end of logging road	Plumas	Kettle Rock (4012026)	CCH2, June 2021 (MACF019 596)	18-Sep-1975			Plumas NF	6900
10	Approx. 1/8 mi. east of Mud Lake which lies due south of end of logging road	Plumas	Kettle Rock (4012026)	CCH2, June 2021 (MACF019 595)	18-Sep-1975			Plumas NF	6900
10	Along drainage east of Mud Lake, ca. 0.6 mi ne of Eisenheimer Peak, ca. 10 air mi n of Genesee. T27N R11E S26 NE1/4 of NW1/4 USGS Quadrangle: Kettle Rock	Plumas	Kettle Rock (4012026)	CCH2, Nov. 2020 (CHSC033 925)	3-Aug-1981			Plumas NF	6700

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10	Along drainage east of Mud Lake, ca. 0.6 mi [neof] ne of Eisenheimer Peak, ca. 10 air mi n of Genesee	Plumas	Kettle Rock (4012026)	CCH1, June 2021 (CAS877779)	3-Aug-1981			Plumas NF	6700
10	T27N R11E ne 1/4 nw 1/4 sec 26. Kettle Rock Quad. Along drainage east of Mud Lake, ca 0.6 mi ne of Eisenheimer Peak, ca 10 mi N of Genesee. Tertiary volcanic granite base.	Plumas	Kettle Rock (4012026)	CCH1, June 2021 (MO727093)	3-Aug-1981			Plumas NF	6700
10	T27N R11E ne 1/4 nw 1/4 sec 26. Kettle Rock quad. Along drainage east of Mud Lake, ca. 0.6 mi ne of Eisenheimer Peak, ca. 10 mi N of Genesee. Tertiary volcanic granite base.	Plumas	Kettle Rock (4012026)	CCH1, June 2021 (MO726736)	3-Aug-1981			Plumas NF	6700
10	Below Mud Lake, 3/4 mile NE of Eisenheimer Peak. Plumas National Forest.	Plumas	Kettle Rock (4012026)	CCH2, Nov. 2020 (CDA-0019216)	16-Jun-1982			Plumas NF	6880

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10	Eisenheimer Peak, Eisenheimer Peak, 0.75 miles northeast, below Mud Lake, Kettle Peak Quadrangle (topo map)	Plumas	Kettle Rock (4012026)	CCH1, June 2021 (MWI00050128)	16-Jun-1982			Plumas NF	6880
10	Plumas National Forest, Greenville Ranger District, near Mud Lake	Plumas	Kettle Rock (4012026)	CCH1, June 2021 (NY16593)	29-Sep-1987			Plumas NF	
10		Plumas	Kettle Rock (4012026)	NRIS polys, Nov. 2020 (051102_CUBA_001C)	1-Jul-2005			Plumas NF	
10		Plumas	Kettle Rock (4012026)	NRIS polys, Nov. 2020 (051102_CUBA_001A)	1-Jul-2005			Plumas NF	
10	On the east side of Forest Road 27N34, about 1/2 mile south of Wilcox Valley, about 3/4 mile northeast of Eisenheimer Peak. T27N R11E S23 SW1/4	Plumas	Kettle Rock (4012026)	CCH2, Nov. 2020 (CHSC091897)	10-Aug-2005	Common.		Plumas NF	6631

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10	On the east side of Forest Road 27N34, about 1/2 mile south of Wilcox Valley, about 3/4 mile northeast of Eisenheimer Peak.	Plumas	Kettle Rock (4012026)	CCH2, Nov. 2020 (RSA715679)	10-Aug-2005	Common.		Plumas NF	6634
10	Mud L Rd -- Plumas NF	Plumas	Kettle Rock (4012026)	Calflora, Jan. 2021 (wb1194-1666)	24-Jul-2007	1+ individuals		Plumas NF	6674
10	South of Wilcox Valley off 27N34.	Plumas	Kettle Rock (4012026)	NRIS polys, Nov. 2020 (051102_CUBA_001B)	8-Aug-2015			Plumas NF	
11	Cub Creek	Tehama	Onion Butte (4012125), Humboldt Peak (4012124)	Kirsten Bovee, Lassen NF polygon data (received June 2021), occurrence no. HEBA5-003	1997			Lassen NF	

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11	South side of Cub Creek on the east side of Deer Creek Canyon between Potato Patch and Alder Creek campgrounds. T27N R04E S15 E side	Tehama	Onion Butte (4012125)	CCH2, Nov. 2020 (CHSC68566)	9-May-1997	One large tree ca. 15-20 m tall and two groups of smaller trees, all together about a dozen trees.		Lassen NF	4400
12	E of McCloud, dirt road off of Spring Creek Rd, 7.2 mi N of Hwy 89 toward Timbered Crater	Shasta	East of Pondosa (4112125)	CCH2, Nov. 2020 (UC1585394)	5-Oct-1989			Lassen NF	
12	from Fall River Mills north on Glenburn Rd. (A20) thence north on McArthur Rd. (A19) thence north on Spring Creek Rd. to unpaved Forest Service road towards Timbered Crater	Shasta	East of Pondosa (4112125)	R. D. Stone (pers. obs.)	26-Jun-2020	small group of young trees (seedlings? saplings?) growing locally in forest understory along road	encroachment by other conifers	Lassen NF	
13	Scott Bar Mountains, Scott River, between Spring Flat [Campground] and Kelsey [Creek] station. T44N R11E sec 21 SE 1/4 [should be R11W]	Siskiyou	Scott Bar (4112361)	CCH1, June 2021 (SEINET1 1052424)	25-Nov-1996	Only 3 saplings were seen.		Klamath NF	2240

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14	Mi 1.5, Jeep Tr to Bee Camp -- Cook & Green Pass, Siskiyou NF	Siskiyou	Kangaroo Mtn. (4112382)	Calflora, Jan. 2021 (wb1194-1668)	8-Aug-2011	1+ individuals		Klamath NF	5450
14	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA5381)	31-Jul-1975			Klamath NF	
14	Local landmark: Cook And Green Pass. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA154)	9-Aug-1972			Klamath NF	
15	Huckleberry	Siskiyou	Huckleberry Mtn. (4112363)	Kyle Merriam, USFS polygon data (received June 2021)		This stand is approximately 55 acres in size. The dominant part of the stand covers the north and west facing slopes along Elk Creek in areas of dense trees intermingled with open rocky areas where tree cover is sparse (Merriam and Rentz 2010). All trees cored measure between 45 and 153 years of age. Overall, plots had an average age of 72 years. Only three seedlings counted at this site.	Encroachment by other conifers not an issue, but fire is needed for regeneration (Merriam and Rentz 2010).	Klamath NF	
15	Huckleberry Mtn	Siskiyou	Huckleberry Mtn. (4112363)	NRIS polys, Nov. 2020 (0505_51_HEBA5-5-4)	1-Aug-2013			Klamath NF	

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16	Hamburg	Siskiyou		Kyle Merriam, USFS polygon data (received June 2021)		This stand covers approximately 16 acres but not all of this area is Baker cypress (Merriam and Rentz 2010).	The biggest concerns for this stand are the lack of regeneration and the encroachment of Douglas fir (Merriam and Rentz 2010).	Klamath NF	
16	Browns Knob	Siskiyou	Hamburg (4112371)	NRIS polys, Nov. 2020 (0505_51_HEBA5-5-5)	1-Aug-2013			Klamath NF	
17	Independence	Siskiyou		Kyle Merriam, USFS polygon data (received June 2021)		This stand covers less than three acres. There are individual Baker cypress trees located elsewhere in the drainage but the majority of the trees a located on a small saddle below Independence valley (Merriam and Rentz 2010). Cores and cross-sections collected from the stand measured between 14 and 100 years, reflecting the high age diversity at this site. Regeneration was high one year after the 2006 Titus Fire.	Regular monitoring of this population has been recommended (Merriam and Rentz 2010).	Klamath NF (Marble Mountain Wilderness)	

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Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
17	Marble Mtn Wilderness	Siskiyou	Ukonom Lake (4112353)	NRIS polys, Nov. 2020 (0505_51_HEBA5-5-6)	1-Aug-2013			Klamath NF (Marble Mountain Wilderness)	
18	"near head of North Fork of South Fork of Cow Creek at 4,000 to 5,000 feet (southeast quarter of Sec. 5, T. 32 N., R. 2 E.)" [This drainage now called Atkins Cr. which flows into South Cow Cr.]	Shasta	Miller Mtn. (4012167)	Sudworth (1908), Forest Trees of the Pacific Slope		There were reportedly only two cypress trees found in this area (letter from J. C. La Plant to Sudworth dated Jan. 19, 1907).		private	
19	W Goosenest Mountain. Stand code GN3. Latitude 41 deg. 42.9' N, longitude 122 deg. 16.6' W	Siskiyou	Solomons Temple (4112263)	Dodd et al. (1990), Ecologia mediterranea 16: 51–57.	13-Sep-1990	This "population" comprised a single large tree approx. 20-25m in height and 76 cm diameter. The tree was on a flat site at the base of a volcanic flow on the W side of the mountain at 1430 m elevation. A careful search of the area revealed no more cypresses.		Klamath 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 red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
20	26 Road	Shasta	Burney Mountain West (4012176)	Kirsten Bovee, Lassen NF polygon data (received June 2021), occurrence no. HEBA5-002	2010			Lassen NF	
20		Shasta	Burney Mountain West (4012176)	Kyle Merriam, USFS polygon data (received June 2021)				Lassen NF	
20		Shasta	Burney Mountain West (4012176)	Kyle Merriam, USFS polygon data (received June 2021)				Lassen NF	
20		Shasta	Burney Mountain West (4012176)	Kyle Merriam, USFS polygon data (received June 2021)				Lassen 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 red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
21	34N74 road	Shasta	Burney Mountain West (4012176)	Kirsten Bovee, Lassen NF polygon data (received June 2021), occurrence no. HEBA5-007	2006			Lassen NF	
22	34N22, Horse Heaven Buttes	Shasta	Jacks Backbone (4012166)	Kirsten Bovee, Lassen NF polygon data (received June 2021), occurrence no. HEBA5-006	2021			Lassen NF	
23	Cypress Plantation	Shasta	Burney Mountain East (4012175)	Kirsten Bovee, Lassen NF polygon data (received June 2021), occurrence no. HEBA5-008	2015			Lassen 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 red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
24	south of Whittington Plantation	Shasta	Burney Mountain West (4012176)	Kirsten Bovee, Lassen NF polygon data (received June 2021), occurrence no. HEBA5-009	2016			Lassen NF	
25	Local landmark: Lily Pad Lake. Seiad Valley Quad.	Siskiyou	Kangaroo Mtn. (4112382)	CCH2, June 2021 (PUA7201)	30-Jul-1975			Klamath NF	
	Montgomery Creek	Shasta		CCH1, June 2021 (CAS94535)	12-Jun-1923				
	Montgomery Creek	Shasta		CCH1, June 2021 (CAS94536)	12-Jun-1923				
	Near Magalia	Butte	Paradise East (3912175)	CCH2, Nov. 2020 (UCR168514)	3-Apr-1928				2202
	Lassen National Forest	Shasta	Devils Rock (4012271)	CCH1, June 2021 (NY16726)	11-Nov-1938				
		Shasta	Devils Rock (4012271)	CCH2, Nov. 2020 (UC1219843)	11-Nov-1938				4900

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
		Shasta		CCH1, June 2021 (VT000626)	Jan-1959				
	Mt. Preston	Siskiyou		CCH1, June 2021 (RSA142696)	13-Jul-1961				7000
	Pit River Falls on Highway 299. "Collected on Vista Point of Pit River Falls, Hiway 299."	Tehama		CCH1, June 2021 (RSA764020)	1-Sep-1972				3500
	Plumas National Forest	Plumas		CCH1, June 2021 (NY16614)	7-May-1980				
	Plumas National Forest	Plumas		CCH1, June 2021 (NY16615)	7-May-1980				
	Cook and Green Pass	Siskiyou	Kangaroo Mtn. (4112382)	Calflora, Jan. 2021 (jgr21294)	4-Jul-1997	1+ individuals			4823
	Corner of Pleasant Valley Road and Patterson Drive, at the W end of Diamond Springs	El Dorado	Placerville (3812067)	CCH2, Nov. 2020 (UCR171544)	16-Jan-2006				1762
	Flounce Rock		()	NRIS polys, Nov. 2020 (0505_52_HEBA5-5-7)	1-Aug-2013				

Duplicate records from the same site are given the same record number and are included in red. Rows containing questionable records are highlighted in red.									
Rec. #	**Locality**	**County**	**Quad**	**Ref. (Source)**	**Date Last Obs'd**	**Population Info**	**Threats**	**Land Mgr.**	**Elev. (ft.)**
	North face of Goosenest Mtn; Klamoth National Forest	Siskiyou		CCH2, June 2021 (KNFY)	24-Apr-1992				
	Goosenest Mtn Goosenest R.D. ; Klamoth National Forest	Siskiyou		CCH2, June 2021 (KNFY)	5-Sep-1990				

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.>