California Native Plant Society

PO Box 377 • Coloma • California • 95613

October 16, 2006

Board of Supervisors El Dorado County 2850 Fairlane Court Placerville, CA 95667

PH S 00

Re: Comments on the Congregate Project (A06-0003/Z05-0008/TM05-1400/P05-0014/PD05-0005/S05-0017)

To the Board of Supervisors:

These comments are submitted on behalf of the El Dorado Chapter of the California Native Plant Society (CNPS), the Center for Sierra Nevada Conservation, and the Environmental Planning and Information Council of El Dorado County.

We object to the lack of public review provided for the amended MND. Significant changes were made to the analysis of impacts of the project on rare plant resources on October 13, 2006. Also, new mitigation measures intended to address the newly disclosed impacts were issued on October 12, 2006. These changes are a significant alteration to the MND and require an additional 30-day review under the California Environmental Quality Act (CEQA).

Further, we object to the lack of notification provided to CNPS regarding the public comment period and hearing for this project. I sent a letter to the Planning Department on April 5, 2005 requesting that I be notified of any projects that were proposed for the gabbro soils study area. (Attachment 1). I know this letter was received by the Planning Department, since I subsequently met with staff to discuss the letter. I again sent a request to the county to be notified of any projects proposed in the gabbro soils study area on August 25, 2006. Between the time of the request in April, 2005 and September 1, 2006, I did not receive notice of any projects being undertaken in the gabbro soils study area. Apparently, there was at least one project - the Congregate Project - during that time. This failure of the county to provide notice as requested prevented me from being able to review the mitigated negative declaration prior to the Planning Commission hearing and prevented me from providing comments on the project in the early stages of development. (Attachment 2). We are committed to finding solutions to conflicts between natural resources and proposed developments. We can not, however, effectively participate if we are not notified of projects that are being proposed. Please notify the CNPS at the above address about all projects proposed in the gabbro soils study area as early in the planning process as possible.

We also object to the Congregate Project as presented in the amended mitigated negative declaration (MND) dated October 13, 2006. As described below, the project as designed does not fully mitigate the impacts of the project on the rare plant *Ceanothus roderickii*. The mitigation measures described are experimental and not previously tested. Further, the proposal

lacks detail on the specific growth requirements of this rare plant, and planting techniques and culturing practices that will be applied to ensure the long term survivorship of the transplanted individuals in the natural environment. Due to the high level of uncertainty regarding the long term success of such a translocation project, the conclusion that "the proposed mitigation measures will result in no net loss of individual *C. roderickii* plants" (Exhibit E.1, p. 5) can not be supported by evidence provided in the environmental analysis. Further, the loss of these individuals of *C. roderickii* constitute a significant reduction in the number of individuals of this plant species and requires a mandatory finding of significance. Lastly, contrary to the claim made in the amended MND and as described below, the project does not comply with the general plan policy on the Pine Hill plants (Policy 7.4.1.1).

We ask that you not approve this project and negative declaration until mitigation measures have been provided that reduce the level of impacts to less than significant or until an environmental impact report is completed that discloses the significant impacts on the environment. Further, we ask that you deny this project until it complies with the El Dorado County general plan.

I. Background

The Congregate Project is sited in as area known to support rare, and state and federally listed plant species. The areas proposed for rezoning and development support at least five rare species including Stebbins morning glory (*Calystegia stebbinsii*), Roderick's ceanothus (*Ceanothus roderickii*), Red Hills soap root (*Chlorogalum grandiflorum*), Bisbee Peak rush rose (*Helianthemum suffrutescens*) and El Dorado mule ears (*Wyethia reticulata*). (Biological Resources Evaluation Report, pp. 24-26). Impacts from grading and the direct mortality of the plants were identified as the only project impacts to these species (*Ibid*.).

II. The analysis of impacts to Ceanothus roderickii does not make sense.

Exhibit E.1 (pp. 2-9) includes amendments to the MND regarding Item A of the section on "Mandatory Findings of Significance." The table on page 3 appears to be derived in part from the occurrence records for *C. roderickii* that are held in the California Natural Diversity Database (CNDDB) which is maintained by the California Department of Fish and Game. Each occurrence record contains a variety of information on each occurrence including, if available, the size of the occurrence in acres.¹

The section titled "Impact" in the amended MND (p. 2) states that "The area estimated to be currently occupied by Ceanothus roderickii populations in El Dorado County is 99.52 acres." There is no explanation given about how this estimate was made. Examination of the 17 occurrence records from which this information was derived shows that the sum of the area reported is far greater than 99.52 acres. (Attachment 3). Without an explanation of the methods

¹ The full records for each of the occurrences listed in the CNDDB are attached to these comments.

used to derive this estimate of coverage, it is not possible to evaluate the assertion in the amended MND that the project will affect 2.8 percent of occupied habitat.

The table on p. 3 does appear to accurately reflect the numbers of *C. roderickii* individuals reported in the CNDDB records and does appear to accurately include the additional individuals noted as a result of project or recent surveys. Using the information on estimated individuals, the project will remove 33 percent of the known *C. roderickii* individuals. This is a significant potential reduction in the numbers of a rare plant species.

It is also of note that when combined with the *C. roderickii* individuals found on the other 40 acres owned by Cameron Park Ventures (this applicant), the 68 acre area supports about 63 percent of the known population. Thus, development of this 68-acre site has the potential to reduce the known population of *C. roderickii* by 63 percent.

III. Life history and culture information on Ceanothus species is incorrect or absent.

Exhibit E.1 (p. 4) states that "Since Ceanothus species tend to be short-lived (5-10 years), the many species and cultivars available for sale are maintained by propagation of cuttings." *Ceanothus* species, in general, are not short lived in their native state. In naturally occurring populations, *Ceanothus* species are known to be long lived with life spans often regulated by the occurrence of fire. Plant ages of 30-40 years and older have been noted in the literature.² Further, the Pine Hill recovery plan notes that some *Ceanothus* species live at least 25 years. (Recovery plan, p. II-23). There is no information reported in the literature on age for *C. roderickii*. I have personally observed the same mature, seed bearing *C. roderickii* growing on Pine Hill for the past 12 years. The plants that I have observed were already well established when I first saw them in 1994. These plants are likely to be well over 15 to 20 years old.

Possibly the consultant's belief that *Ceanothus* species are short lived comes from the horticultural literature. Fross and Wilken $(2006, p. 23)^3$ find that:

"The reputation of *Ceanothus* as short lived is often based on poor site selection rather than an inherent problem with the genus. Poorly drained soils combined with frequent summer irrigation will kill plants in a few years."

Foss and Wilken also refer to plants in their native habitats declining as they age and identify that fire cycles (20-, 35- or 50-year cadences depending on site conditions) often regulate the age of the plants. (*Ibid.*, p. 24).

The Exhibit E.1 (p. 4) also refers to providing "a temporary irrigation system for the plantings." As noted above, improperly applied irrigation, especially in the summer, can result in short-lived plants. Further, Foss and Wilken (2006, p. 22) state that "Numerous fungal

² See for example Larigauderie, A., Hubbard, T. W., Kummeror, J 1990. Growth dynamics of two chaparral shrub species with time after fire. Madrono 37(4):225-236.

³ Fross, D. and Wilken, D. 2006. Ceanothus. Timber Press, Portland Oregon.

organisms ... damage or kill plants in poorly drained soils. Frequent summer irrigation and warm soil temperatures favor these pathogens."

The failure of the analysis to correctly identify these basic life history and cultural requirements for *Ceanothus* species, in general, indicates a lack of familiarity and knowledge of the genus. Beyond this, there is absolutely no information presented in the MND that is specific to *C. roderickii* regarding its life cycle or cultural requirements or any discussion about how such information is relevant to a translocation project.

IV. "No net loss" of individual C. roderickii plants can not be assured.

A. The mitigation measures proposed are not well defined.

Revised mitigation measures 13 and 18-22 identify the actions proposed to mitigate the impacts to *C. roderickii*. These actions are to establish an on-site preserve, collect and root cuttings, and transplant cuttings to the site. The measures do not specify how or if the site will be prepared for planting, how the planting will be undertaken, or what the ongoing cultural practices will be for the site. Aside from mentioning the installation of a temporary irrigation system, the specific practices that will be used to ensure the survival of the cuttings are not identified.

As reported in Howald (1996, p. 311)⁴, the California Department of Fish and Game adopted translocation guidelines in 1990. "These guidelines call for

- A legally binding mitigation agreement that commits the project proponent to complete all aspects of the mitigation program
- A written mitigation plan that spells out in detail the technical components of the mitigation plan
- Project specific performance criteria that must be approved by the CDFG
- Monitoring for a period of at least five years
- Performance secured through a letter of credit or other negotiable security
- Long-term habitat protection and management that is funded through an endowment fund"

Of these six elements, the proposed translocation strategy for *C. roderickii* fails to develop a detailed plan, lacks specific performance criteria that are approved by a wildlife agency, and fails to provide a performance bond. These missing elements are those that clearly define the action to be undertaken, establish expectations and provide financial insure that the outcomes will be achieved.

In addition to the absence of a clear description of the specific actions to be taken to site and maintain the transplanted cuttings, there is no information to suggest that these

⁴ Howald, A. 1996. Translocation as a mitigation strategy: Lessons from California. In: Restoring Diversity: Strategies for Reintroduction of Endangered Plants. Falk, D. A., Millar, C. I, and Olwell, M. (eds.) Island Press, Covelo, California.

transplantation actions will be successful as a mitigation measure for *C. roderickii*, i.e. that the plants will survive transplantation over the long term to a location of the biologist's choosing. Information on the appropriate techniques and methods for successful transplantation are not well known for these species and development of such information is a specific action in the recovery plan. (U.S. Fish and Wildlife Service 2002, V-17).

B. The mitigation measures are untested.

Transplantation efforts of rare plant species have had mixed success rates. Howald (1996), in a review of forty-one translocation projects in California, found that 13 were determined by the project proponent to be unsuccessful, 7 had limited or partial success, 5 were successful, and the remainder were either in the planning stages or listed as ongoing. Of the 25 projects for which the project proponent was able to make a conclusion about success, only 20% of them were deemed "successful." "Success" in these cases was defined as the project proponent saw fit. As a result, it is not possible to know if their criteria for success are the same as the expectation stated for this project, i.e. no net loss of individuals. Information from the literature indicates that the success of transplantation projects, such as proposed in the amended MND, is far from assured.

Falk et al. (1996, p. 467)⁵ point to a general lack of information available on the biology of rare plant species selected for reintroduction and note that "the published literature will rarely be sufficient to answer all relevant questions abut the ecology of a rare plant species proposed for reintroduction. Since these ecological relationships are especially germane to the process of reintroduction, it is unlikely that the practioner will have the desired scientific basis in hand. This leaves reintroduction planners in the position of making more or less educated guesses about the response of species, and makes the practice of restoration generally one of informed speculation. This predicament is most troubling in circumstances in which "failure" has significant consequences, such as critically threatened species, those for which limited resource material is available, or any situation involving the destructive tradeoff with an existing natural population." These very concerns have lead Falk et al. (2006, p. 456) and others to conclude that "reintroductions are fraught with uncertainty and difficulties and should be viewed as experiments. As such, it is unwise to rely on "successful" outcomes, given the risks of failure are significant."

Thus, the there is no information to support the claim that the mitigation measures will be successful. There is, however, significant information in the literature to indicate that the outcome of the mitigation measures is uncertain and that such efforts are considered by professionals to be experimental.

⁵ Falk, D. A., Millar, C. I, and Olwell, M. 1996. Guidelines for developing a rare plant reintroduction plan. In: Restoring Diversity: Strategies for Reintroduction of Endangered Plants. Falk, D. A., Millar, C. I, and Olwell, M. (eds.) Island Press, Covelo, California.

V. The project does not comply with the El Dorado County general plan.

As presently designed, the Congregate Project also conflicts with the general plan. General plan policy 7.4.1.1 states that "The County shall continue to provide for the permanent protection of the eight sensitive plant species known as the Pine Hill endemics and their habitat through the establishment of ecological preserves <u>consistent with</u> County Code Chapter 17.71 and the USFWS's Gabbro Soil Plants for the Central Sierra Nevada Foothills Recovery Plan (USFWS 2002)." (Emphasis added) This policy commits to making projects approved by the County consistent with the recovery plan for the Pine Hill plant species. The Congregate Project compromises the recovery plan goals to stabilize and recover the Pine Hill plant species and as such is inconsistent with the general plan.

The amended MND claims that because "there is sufficient land available within the Recovery Plan area [that loss of the project lands] would not result in federal agencies being unable to acquire the amount of land set forth in the Recovery Plan." There are, however, issues beyond achieving an acreage target that are required by the recovery plan. These include securing a sufficient number of populations distributed throughout the gabbro soils study area. To address this, the recovery plan (p. II-7) established criteria for the acquisition of parcels with "comparable conservation value" that may be used to satisfy the recovery plan. Criteria include being "within the same preserve area" (in this case the Cameron Park unit) and meeting "the recovery acreage criteria and goals of this recovery plan." In the southern portion of the study area, development is the most intense and few areas that support rare plant occurrences remain available for conservation. The attached aerial photograph of the Cameron Park area (dated November 2003) illustrates this. (Attachment 4). The only remaining areas of any reasonable size that support rare plants cover about 260 acres and include the project parcels. Protection of this additional area has been identified in the recovery plan as necessary to prevent the extinction or significant decline of the species and as one of several steps that would be necessary to required to downlist the species. (Recovery plan, pp. III-29, V-1, V-4, V-13). Since there are no other lands that satisfy the occupancy and distribution conditions established by the recovery plan for the Cameron Park unit, there is no basis to the claim that "sufficient land" is available elsewhere.

The project also does not comply with general plan since the county itself has violated County Code 17.71. First, the county has failed to complete the annual review of the fees required by the chapter (17.71.240). The fee structure today is the same as was adopted in 1998. Between 1998 and 2006, land prices in this area have increased dramatically, yet no annual reviews have been undertaken and no changes have been made to the fee structure. This has resulted in insufficient funding being collected to acquire the land necessary to mitigate the loss of plants and habitat. Thus, the fee provided in the amended MND, on it face, is inadequate to mitigate the impacts because it reflects land prices from 1998 and not present land values. Second, the county has also failed to implement the code with respect to establishing conservation easements for projects that have adopted on-site set asides to achieve rare plant mitigation. Chapter 17.17.210 A. requires this, but it has not been done for any project. There are an unknown number of projects to which this applies. Each of these contributes in

significant ways to the failure of Chapter 17.71 to "provide for the permanent protection of the eight sensitive plant species known as the Pine Hill endemics and their habitat." Lastly, the county has failed to utilize the funds collected for the purposes of acquiring rare plant habitat. At your September 19, 2006, the board declined to approve the purchase of a rare plant property using the funds in the mitigation account. The reasons cited for the not approving the expenditure of funds appeared to include the belief that the county was no longer responsible for contributing to the plant preserve.

If you have further questions, please contact me at (530) 295-8210 or britting@earthlink.net.

Sincerely,

Shoan Ming

Susan Britting

Enclosures

- Attachment 1 Letter of April 8, 2005 to Planning Department
- Attachment 2 Timeline of communication with Planning Department
- Attachment 3 CNDDB records for C. roderickii
- Attachment 4 Aerial photo of Cameron Park Area
- Attachment 5 Excerpts from "Restoring Diversity: Strategies ofr Reintroduction of Endangered Plants
- Attachment 6 Recovery plan for Pine Hill plants (U.S. Fish and Wildlife Service 2002)

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California Native Plant Society

PO Box 377 • Coloma • California • 95613

8 April 2005

Gregory L. Fuz Planning Services Building C 2850 Fairlane Court Placerville, CA 95667

Dear Mr. Fuz:

The El Dorado Chapter of the California Native Plant Society (CNPS) has been involved over the years with the conservation of rare plants in the Pine Hill area. We have participated in a variety of activities to support conservation of these unique plants – guided walks, developing brochures, supporting direct protection of land, commenting on development projects and more.

I would like to meet with you and/or the appropriate staff to discuss El Dorado County's present approach to implementing the conservation measures defined in the rare plant ordinance and recently approved by the Board of Supervisors in their July 2004 adoption of the General Plan. I am aware of the ordinance establishing the ecological preserve overlay and the mitigation fee structure that pertains to lands designated in the ordinance. I would like to discuss the finer points of implementation such as:

1) Several years ago, a building permit was issued for a 10-acre property on Pine Hill in Mitigation Zone 0 but the County made no specific mitigation requirements of the land owner to protect rare plants. At the time, I was told that this was a mistake made by the County at their building permit office operating in the Cameron Park area.

What is the County doing to prevent this type of mistake from happening in the future?

2) The recently adopted general plan (July 2004) contains several policies directed towards conservation of the Pine Hill plants. In particular, Policy 7.4.1.1 (p. 292) states:

The County shall continue to provide for the permanent protection of the eight sensitive plant species known as the Pine Hill endemics and their habitat through the establishment and management of ecological preserves consistent with County Code Chapter 17.71 and the USFWS's *Gabbro Soil Plants for the Central Sierra Nevada Foothills Recovery Plan* (USFWS 2002).

Among other things, consistency with the recovery plan requires that the County recognize the reserve boundaries in the recovery plan. I have been informed that the County does not recognize lands identified by the recovery plan that occur outside of the



Dedicated to the preservation of California native flora

8 April 2004 Britting, p. 2

ecological preserve boundaries identified by the County ordinance. There is substantial acreage that occurs outside of the ecological preserve overlay which is critical to the persistence of these rare species.

How is the County's present implementation of the rare plant mitigation measures consistent with the adoption of Policy 7.4.1.1 regarding the recovery plan?

3) Have there been conservation easements recorded that are intended to satisfy the onsite mitigation requirements for Mitigation Zone 0. What is the County's process for monitoring these easements?

4) What development projects, including residential and commercial with the ecological preserve boundary, the recovery boundary and the gabbro soils study area are presently under review or consideration by the County?

Lastly, I would like to be included on the circulation list for all proposed land disturbing activities that fall with in the ecological preserve boundary, the recovery plan boundary and the gabbro soils study area and that require the County to issue a permit in order to complete the proposed activities.

I look forward to discussing these rare plant issues with you in the near future.

Sincerely,

Shoan Elling

Susan Britting Conservation Chair El Dorado Chapter

(530) 333-2679

Cc: Steve Hust Peter Maurer

Attachment 2

Communication Timeline on Projects in the Gabbro Soils Study Area

Date	Action
4/8/05	I sent a letter to the county asking to be included on the circulation list for all projects in the gabbro study area. The county responded in part by meeting with me to discuss my letter. I never received notice of any projects.
8/24/06	Approved by planning commission
8/25/06	I sent a letter to the county requesting information on Congregate Project
9/1/06	The county sent to me the packet that was prepared for the Planning Commission meeting on 8/24/06. There was no information in the packet to indicate that a 30-day comment period on the MND had occurred or had been initiated.
9/25/06	A county planner notified me by email that a hearing was set for the Congregate Project for 2 pm on 9/26/06.
9/26/06	The county planning staff made available to me at the BOS meeting a memo dated 9/25/06 describing additional mitigation measures for <i>Ceanothus roderickii</i> . These measures are similar but not identical to those included in the MND amended on 10/13/06.
10/10/06	I emailed a county planner to ask for any amended documents. None were available.
10/13/06	A county planner emailed to me the amended MND along with a memo form the County Planning Director.
10/17/06	Item on BOS agenda: Congregate Project

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Pine Hill ceanothus		NDDB Element Ranks	ie: PDRHA04190 Other Lists	
Federal: Endang State: Rare	pered	Global: G2 State: S2.1	CNPS List: 1B.2	
Habitat As	ssociations			
General: CHAPA	RRAL, CISMONTANE WOODLAND.		DE DI ANTE DES COM	
MICTO: GABBR	OU SOILS; OF TEN IN "HISTORICALLY DI	BIORBED AREAS WITH AN ENSEMBLE OF OTHER RA	TE FLANTS. 200-030M.	
Occurrence No.	1 Map Index: 12327	EO Index: 4182	Dates Last Se	en
Occ Rank:	Good		Element: 19	94-05-27
Origin:	Natural/Native occurrence		Site: 19	94-05-27
Trend:	Unknown		Record Last Updated: 19	94-12-06
Quad Summary:	Shingle Springs (3812068/510B)			
County Summary:	El Dorado			
Lat/Long:	38.66157°/-120.95834°	5- H	Township: 09N	
UTM:	Zone-10 N4281199 E677638	the set of	Range: 09E	
Area: Elevation:	202.8 acres 1,440 ft	Mapping Precision: SPECIFIC Symbol Type: POLYGON	Section: 02 C Meridian: M	atr: XX
Location				
Location Details	GENERAL DISTRIBUTION IN THIS APEA	IS BOUNDED BY DUROCK ROAD TO THE SOUTH THE		E WEST AND B
Location Detail:	MANY OAKS LANE TO THE NORTH AND	EAST.	- END OF FALMER DRIVE TO TH	L WEDT, AND D
Ecological:	OPENINGS IN CHAPARRAL ON RESCUE	SERIES SOILS. ASSOCIATED WITH CALYSTEGIA STE	BBINSII, WYETHIA RETICULATA	, SENECIO
	LAYNEAE, CEANOTHUS LEMMONII, ADE	ENOSTOMA FASCICULATUM, AND ARCTOSTAPHYLOS	VISCIDA.	
Threat:	RESIDENTIAL AND COMMERCIAL DEVE	LOPMENT, HIGHWAY MAINTENANCE, DUMPING, ORV	USE, AND EROSION.	
General:	HUNDREDS OF PLANTS IN MANY COLO	NIES ALONG EITHER SIDE OF THE ROAD. SOME PLA	NTS WITHIN CALTRANS RIGHT-0	DF-WAY.
Owner/Manager:	PVT, CALTRANS			
Occurrence No.	2 Map Index: 12276	EO Index: 8207	Dates Last Se	en
Occ Rank:	None		Element: 19	87-06-18
Origin:	Natural/Native occurrence		Site: 19	87-06-18
Presence: Trend:	Possibly Extirpated Unknown		Record Last Updated: 19	93-02-04
Quad Summary	Shingle Springs (3812068/610P)		· · · · ·	
County Summary:	El Dorado			
Lat/Long:	38.66053° / -120.97204°		Township: 09N	
UTM:	Zone-10 N4281057 E676448		Range: 09E	
Area:	12.1 acres	Mapping Precision: SPECIFIC	Section: 03 C	atr: SE
Elevation:	1,000 II	SYMDOL TYPE: POLYGON	Meridian: M	
Location:	ALONG HWY 50 ABOUT 3 MILES W OF S	SHINGLE SPRINGS.		
Location Detail:	1/2 MILE WEST OF CAMERON SPRINGS	EXIT ON NORTH SIDE OF HWY 50, NORTH OF FRONT	AGE ROAD.	-
Ecological:	ASSOCIATED WITH QUERCUS DOUGLA	SII, CERCIS OCCIDENTALIS, ARCTOSTAPHYLOS VISO	DA, ADENOSTOMA FASCICULA	TUM,
Threat	ROAD WIDENING AND HEDRICIDE COD	AVING HIGH LIDBANIZATION DECOURE	A STEDDINGIL	
Concercle	TYPE LOCALITY CALVETECIA STEPPIN	STING, FIGT UNDANIZATION PRESSURE.		
Owner/Manager	PVT	IN THE CENTURY AT THE SITE MAY HAVE BEE	IN EATIRPATED.	
Occurrence No.	4 Map Index: 12229	EO Index: 12224	Dates Last Se	en
Occ Rank:	Good		Element: 198	86-11-14
Origin: Presence:	Presumed Extant		Site: 198	50-11-14
Trend:	Unknown		Record Last Updated: 199	96-01-10
Quad Summary:	Shingle Springs (3812068/510B)		1	
County Summary:	El Dorado			
Lat/Long:	38.72049° / -120.98893°	- 31	Township: 10N	
UTM:	Zone-10 N4287679 E674833	 Provide the state of the state of the state 	Range: 09E	
Area:	82.2 acres 2.059 ft	Mapping Precision: SPECIFIC Symbol Type: POLYGON	Section: 16 C	tr: SE
Lievaton.				
Location:	PINE HILL SUMMIT AND ALONG ROAD E			
Ecological:	RUCKY LUAM OVER GABBRO; ASSOCIA		WYETHIA RETICULATA.	
General:	AREA BURNED IN 1983 AS PART OF RAI IN 1985: 2000 IN 1986	RE PLANT REGENERATION STUDY; GOOD REGENER	ATION AFTER BURN. LESS THAN	100 PLANTS SI
Owner/Manager:	DFG-PINE HILL ER, CDF			

Page 1

Attachment 3

Pine hill ceanothus	1		Element Code: PDRHA04190		
Federal: Endange State: Rare	ered	Global: G2 State: S2.1	CNPS L	st: 1B.2	
Habitat As	sociations	2	and the second se		
Micro: GABBR	DIC SOILS; OFTEN IN "HISTORIC	D. CALLY DISTURBED" AREAS WITH AN ENSEM	IBLE OF OTHER RARE PLANTS. 260	630M.	
Occurrence No.	5 Map Index:	12162 EO Index: 4345	national and the	Dates Last S	een
Occ Rank:	Excellent Natural/Native occurrence			Site: 19	93-07-22 93-07-22
Presence:	Presumed Extant				
Trend:	Unknown		Record Last	Jpdated: 19	95-01-03
Quad Summary:	Pilot Hill (3812171/527D)				
County Summary:	El Dorado				
Lat/Long:	38.76292° / -121.02554°		Township:	11N	
Area:	20ne-10 N4292319 E6/1548 317.6 acres	Mapping Precision: SP	ECIFIC Section:	31 (Otr: XX
Elevation:	950 ft	Symbol Type: PO	LYGON Meridian:	M	
Location:	SOUTH OF SOUTH FORK AMER	RICAN RIVER, EAST OF SALMON FALLS RO	AD. EAST OF FOLSOM LAKE .		
Location Detail:	EXTENDING FROM EAST 1/2 O	F SECTION 35 TO NORTH 1/2 OF SECTION 3	AND SW 1/4 OF SECTION 30.		
Ecological:	ON RESCUE SOILS IN CHAPAR AND HELIANTHEMUM SUFFRU	RAL. ASSOCIATED WITH WYETHIA RETICU TESCENS.	LATA, CALYSTEGIA STEBBINSII, CHL	OROGALUM G	RANDIFLORUM
Threat:	ORV ACTIVITY, RECREATIONA	L TARGET SHOOTING, DEVELOPMENT ARE	THREATS.		
General:	INCLUDES FORMER OCCURRE OCCURRENCE IN 1993. UNKNO	NCES #'S 7, 8, 12, AND 13. MORE THAN 100 WWN HOW MANY PLANTS TOTAL.	0 PLANTS OBSERVED IN NORTHER	IMOST OPRTIC	ON OF
Owner/Manager:	PVT			 . 31 	
Occurrence No.	6 Map Index:	22731 EO Index: 1380	3	Dates Last S	een
Occ Rank:	Good			Element: 19	89-07-12
Origin: Presence:	Natural/Native occurrence Presumed Extant			Site: 19	89-07-12
Trend:	Unknown		Record Last	Jpdated: 19	94-12-06
Quad Summary:	Shingle Springs (3812068/510B)			2.14	
County Summary:	El Dorado			5.0	
Lat/Long:	38.68197° / -120.97890° Zone-10 N4283423 E675799		Township:	10N	
Area:	68.0 acres	Mapping Precision: SP	ECIFIC Section:	34 . (Qtr: NW
Elevation:	1,300 ft	Symbol Type: PO	LYGON Meridian:	Μ.	
Location:	EAST OF CAMERON PARK AIR	PORT, NORTHEAST OF THE JUNCTION OF	MEDER ROAD AND CAMERON PARK	DRIVE.	
General:	PART OF SITE DISTURBED BY	DEVELOPMENT; ASSUMING SOME HABITA	T STILL EXISTS IN 1990'S.		
Owner/Manager:	PVT	The second s		2000	
Occurrence No.	9 Map Index:	12301 EO Index: 8184	Rent Print Auto -	Dates Last S	een
Occ Rank:	Good			Element: 19	87-06-26
Origin: Presence:	Natural/Native occurrence Presumed Extant			Site: 19	107-00-20
Trend:	Unknown	The Constant and All States of the States of	Record Last	Updated: 19	96-01-02
Quad Summary:	Shingle Springs (3812068/510B)				
County Summary:	El Dorado			is all	
Lat/Long:	38.67211º/-120.96857º		Township:	10N	
UTM:	Zone-10 N4282349 E676722	Manalas Bradatas OB	Range:	09E	Otr. SW
Area: Elevation:	1,500 ft	Mapping Precision: SP Symbol Type: PO	LYGON Meridian:	M	
Location:	APPROX ONE MIN OF CAMER	ON PARK TURN OFF FROM HWY 50, NEAR	SHINGLE SPRINGS.		
Location Detail:	1/2 MILE SOUTH OF MEDER RO	DAD AND 3/4 MILE NORTHEAST OF HWY 50	AT CAMERON PARK DRIVE.		
Ecological:	GABBROIC SOILS IN OPEN AR RETICULATA AND SENECIO LA	EAS OF CHAPARRAL. ASSOCIATED WITH A YNEAE.	RCTOSTAPHYLOS VISCIDA, ADENOS	TOMA FASCIO	CULATUM, WYET
	DEVELOPMENT EVENIDING N	EADBY			

Full Condensed Report for Selected Elements - Multiple Records per Page

	ar							
Pine Hill ceanothus	tatua		NOOR Element Bent	Element Co	de: PDRHA04190		C	
Federal: End	andered		Global: G2		CNPS L	ist: 1B.2		
State: Ran			State: S2.1					
Habita	Associations							
General: CH/	PARRAL, CISMONTANE WO	DODLAND.						
Micro: GAI	BROIC SOILS; OFTEN IN "H	ISTORICALLY D	STURBED" AREAS WITH AN	ENSEMBLE OF OTHER RA	ARE PLANTS. 260-	-630M.		
Occurrence	lo 10 Man I	Index: 12313	FO Index	18657		Dates La	st Seen	
Occ Ra	ık: Fair					Element:	1984-05-25	
Orig	In: Natural/Native occurrence	De				Site:	1984-05-25	
Presen	d: Unknown				Record Last	Updated:	1996-01-02	
0.10	Objects Octors (004000	0/5400)		A CONTRACTOR OF A CONTRACTOR A CO				
Quad Summa	y: Shingle Springs (361200	36/510B)						
Lat/1 o	39 601079 / 120 060215	0			Taunahlau	1011		
U"	M: Zone-10 N4284469 E67	7393			Range:	09E		
Radi	is: 1/5 mile		Mapping Precis	Ion: NON-SPECIFIC	Section:	26	Qtr: SW	
Elevati	n: 1,440 ft		Symbol Ty	/pe: POINT	Meridian:	М		
Locat	n: S OF WHITE OAK FLAT	, APPROX TWO	MIN OF US HWY 50, NEAR	SHINGLE SPRINGS.				
Ecologi	al: BULLDOZED AREA IN (OAK WOODLAN	D. ASSOCIATED WITH BERB	ERIS SP., WYETHIA RETIC	ULATA, AND CALY	STEGIA ST	TEBBINSII.	
Thr	at: DEVELOPMENT NEAR	BY.						
Owner/Manag	er: UNKNOWN							
				00504		Detroit		
Occurrence Occ Ra	o. 11 Mapi	ndex: 12265	EO Index:	22531		Dates La Element:	1994-06-07	
Orig	in: Natural/Native occurrence	DB				Site:	1994-06-07	
Presen	e: Presumed Extant				Percerd Last	Indated	1005-10-20	
Ire	d: Unknown	1.0 0 m 10 m 10 m 10 m	$\ \ \ = \ \ \ = \ \ \ \ \ \ \ \ \ \ \ \ $	$\chi^{1} dr = - \pi (r + 0.000 h (r + 0.000 h))$	Record Last	opdated:	1995-10-30	
Quad Summa	y: Shingle Springs (381206	38/510B)						
County Summa	y: El Dorado		and the second					
Lat/Lo	g: 38.67404° / -120.97783°	5			Township:	10N		
Ar	M: Zone-10 N4282546 E6/3	5912	Mapping Precis	on: NON-SPECIFIC	Range: Section:	09E	Otr: SW	
Elevati	m: 1,400 ft		Symbol Ty	pe: POLYGON	Meridian:	м		
Locati	IN: SUDBURY ROAD, ABO	VE AND EAST O	F CAMERON PARK DRIVE, C	AMERON PARK.			1	
Location De	IL ALONG TOPS OF ROAD	D-CUT BANK ON	EDGES OF LAWNS DRAPIN	G DOWN TOWARDS THE F	ROAD. ALSO AROU	IND EID RE	ESERVOIR OFF	OF
	VERANO WAY.							
E and a start	-IL ON DESCUE SOILS IN	GABBROIC MIXE	ED CHAPARRAL, ASSOCIATE	D WITH SECECIO LAYNEA	E, HELIANTHEMU	M SUFFRL	JCTESCENS, A	ND
Ecologi	al: ON RESCUE SULS IN							
Ecologi	CHLOROGALUM.							
Ecologi	CHLOROGALUM. at: DEVELOPMENT, LAWN	WATERING, EI	D IMPROVEMENTS, EASY RO	AD ACCESS, AND DUMPI	NG.			
Ecologi Thru Gene	al: ON RESCUE SOILS IN CHLOROGALUM. at: DEVELOPMENT, LAWN al: LESS THAN 50 PLANTS	WATERING, EI	D IMPROVEMENTS, EASY RO IN 1985, 3 PLANTS AROUND	DAD ACCESS, AND DUMPIN RESERVOIR IN 1994.	NG.			
Ecologi Thru Gene Owner/Manaş	al: ON RESCUE SOLLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN al: LESS THAN 50 PLANTS vr: PVT, EL DORADO IRR (WATERING, EI S ALONG ROAD DIST	D IMPROVEMENTS, EASY RO IN 1985, 3 PLANTS AROUND	DAD ACCESS, AND DUMPIL RESERVOIR IN 1994.	NG.		5 6 1	
Ecologi Thr Gene Owner/Manag Occurrence	ai: ON RESCUE SOLS IN' CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PYT, EL DORADO IRR (0. 14 Map II	WATERING, EI S ALONG ROAD DIST ndex: 22727	D IMPROVEMENTS, EASY R(IN 1985, 3 PLANTS AROUND EO Index:	DAD ACCESS, AND DUMPI RESERVOIR IN 1994.	NG.	Dates La	st Seen	
Ecologi Thr Gene Owner/Manag Occurrence Occ Ra	ai: ON RESCUE SOLS IN CHLOROGALUM. ai: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR (0. 14 Map In k: Unknown	WATERING, EI S ALONG ROAD DIST Index: 22727	D IMPROVEMENTS, EASY R(IN 1985, 3 PLANTS AROUND EO Index:	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224	NG.	Dates La Element:	st Seen	
Ecologi Thr Gene Owner/Manag Occurrence Occ Ra Orig	ai: ON RESCUE SOLS IN CHLOROGALUM. ai: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS pr: PVT, EL DORADO IRR (0. 14 Map li k: Unknown n: Natural/Native occurrenc Presumed Extent	N WATERING, EI S ALONG ROAD DIST Index: 22727 29	D IMPROVEMENTS, EASY R(IN 1985, 3 PLANTS AROUND EO Index:	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224	NG. 	Dates La Element: Site:	st Seen 1992-05-20 1992-05-20	
Ecologi Thr Gene Owner/Manag Occurrence Occ Ra Occ Ra Orig Presen Tre	ai: ON RESCUE SOLS IN CHLOROGALUM. ai: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS pr: PVT, EL DORADO IRR (0. 14 Map li k: Unknown n: Natural/Native occurrence e: Presumed Extant d: Unknown	N WATERING, EI 3 ALONG ROAD DIST Index: 22727 29	D IMPROVEMENTS, EASY RO IN 1985, 3 PLANTS AROUND EO Index:	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224	NG. I Record Last (Dates La Element: Site: Jpdated:	st Seen 1992-05-20 1992-05-20 1993-02-04	
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Occ Ra Orig Presen Tre Quad Summe	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS pr: PVT, EL DORADO IRR (O. 14 Map In k: Unknown n: Natural/Native occurrence e: Presumed Extant d: Unknown y: Shingle Springs (381206)	N WATERING, EI S ALONG ROAD DIST ndex: 22727 28	D IMPROVEMENTS, EASY R(IN 1985, 3 PLANTS AROUND EO Index:	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224	NG. I Record Last (Dates La Element: Site: Jpdated:	st Seen 1992-05-20 1992-05-20 1993-02-04	
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Occ Ra Occ Ra Tre Presen Tre Quad Summa County Summa	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR (v. 14 Map In k: Unknown n: Natural/Native occurrence e: Presumed Extant d: Unknown y: Shingle Springs (381206 y: El Dorado	N WATERING, EI S ALONG ROAD DIST Index: 22727 28 18/510B)	D IMPROVEMENTS, EASY R(IN 1985, 3 PLANTS AROUND EO Index:	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224	NG. I Record Last (Dates La Element: Site: Jpdated:	st Seen 1992-05-20 1992-05-20 1993-02-04	
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Occ Ra Occ Ra Occ Ra Courrence Tre Quad Summa County Summa	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR (0. 14 Map In 14 Map In 15 Map In 16 Map In 1	N WATERING, EI S ALONG ROAD DIST Index: 22727 28 18/510B)	D IMPROVEMENTS, EASY R(IN 1985, 3 PLANTS AROUND EO Index:	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224	NG. Record Last (Dates La Element: Site: Jpdated:	st Seen 1992-05-20 1992-05-20 1993-02-04	
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Occ Ra Occ Ra Occ Ra Courrence Tre Quad Summa County Summa Lat/Lo	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR (0. 14 Map In 14 Map In 14 Map In 14 Map In 14 Map In 14 Map In 15 March 16 Map In 16 Map In 16 Map In 16 Map In 17 Map In 17 Map In 18	N WATERING, EI S ALONG ROAD DIST Index: 22727 28 18/510B)	D IMPROVEMENTS, EASY R(IN 1985, 3 PLANTS AROUND EO Index:	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224	NG. Record Last (Township: Range:	Dates La Element: Site: Jpdated: 10N 09E	st Seen 1992-05-20 1992-05-20 1993-02-04	
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Occ Ra Orig Presen Tre Quad Summa County Summa Lat/Lo UT Ar	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR (DURNOWN IN Natural/Native occurrence Presumed Extant d: Unknown y: Shingle Springs (381206 y: El Dorado g: 38.69666° /-120.94956° y: Zone-10 N4285110 E671 a: 1.250.8	N WATERING, EI S ALONG ROAD DIST Index: 22727 28 18/510B) 8315	D IMPROVEMENTS, EASY RG IN 1985, 3 PLANTS AROUND EO Index: Mapping Precisi	OAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224 on: NON-SPECIFIC	NG. Record Last (Township: Range: Section:	Dates La Element: Site: Jpdated: 10N 09E 26	st Seen	
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Occ Ra Orig Presen Tre Quad Summa County Summa Lat/Lo UT Ar Elevati	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR I IN Atural/Native occurrence Presumed Extant d: Unknown y: Shingle Springs (381206 y: El Dorado g: 38.69666° /-120.94956° M: Zone-10 N4285110 E671 a: 1,350 ft	N WATERING, EI S ALONG ROAD DIST Index: 22727 28 18/510B)	D IMPROVEMENTS, EASY R(IN 1985, 3 PLANTS AROUND EO Index: Mapping Precisi Symbol Ty	OAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224 on: NON-SPECIFIC pe: POLYGON	NG, Record Last (Township: Range: Section: Meridian:	Dates La Element: Site: Jpdated: 10N 09E 26 M	st Seen	
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Occ Ra Orig Presen Tre Quad Summa County Summa Lat/Lo UT Ar Elevati	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN al: LESS THAN 50 PLANTS PVT, EL DORADO IRR I IN TAURAL IN THE INTERNATION IN Natural/Native occurrence Presumed Extant d: Unknown y: Shingle Springs (381206 y: El Dorado g: 38.69666° /-120.94956° W: Zone-10 N4285110 E670 a: 1,350 ft n: 1 KM (0.7 MI) SOUTH O	N WATERING, EI S ALONG ROAD DIST Index: 22727 28 18/510B) 8315 F RESCUE.	D IMPROVEMENTS, EASY R(IN 1985, 3 PLANTS AROUND EO Index: Mapping Precisi Symbol Ty	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224 on: NON-SPECIFIC pe: POLYGON	NG, Record Last I Township: Range: Section: Meridian:	Dates La Element: Site: Jpdated: 10N 09E 26 M	st Seen	
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Orig Presen Tre Quad Summa County Summa Lat/Lo UT Ar Elevati Location Def	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR I I. LESS THAN 50 PLANTS PVT, EL DORADO IRR I I. Unknown I. Natural/Native occurrenc Presumed Extant d: Unknown y: Shingle Springs (381206 y: El Dorado g: 38.69666° /-120.94956° y: Zone-10 N4285110 E67/ a: 1,350 ft n: 1 KM (0.7 MI) SOUTH O II: 2701 CARLSON DRIVE, HALE OF THE POPULATION	N WATERING, EI S ALONG ROAD DIST Index: 22727 28 18/510B) 8315 F RESCUE. SHINGLE SPRI	D IMPROVEMENTS, EASY RG IN 1985, 3 PLANTS AROUND EO Index: Mapping Precis Symbol Ty NGS. LOCATED IN THE E 1/2	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224 on: NON-SPECIFIC pe: POLYGON OF THE NE 1/4 OF SECTIO	NG, Record Last I Township: Range: Section: Meridian: DN 26. MOST PLAN	Dates La Element: Site: Jpdated: 10N 09E 26 M TS WERE	st Seen	
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Orig Presen Tre Quad Summa County Summa Lat/Lo UT Ar Elevati Location Det	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR I 0. 14 Map In 14 Map In 15 Matural/Native occurrence Presumed Extant 14 Map In 16 Unknown 17 Shingle Springs (381206 17 El Dorado 17 El Dorado 18 Sone-10 N4285110 E671 19 38.69666° /-120.94956° 19 38.69666° /-120.94956° 10 Zone-10 N4285110 E671 10 1 KM (0.7 MI) SOUTH O 11 CARLSON DRIVE, 17 CARLSON DRIVE, 17 CARLSON DRIVE, 17 CARLSON DRIVE, 18 CROWING IN DESCRIPTION	N WATERING, EI S ALONG ROAD DIST Index: 22727 28 18/510B) 8315 F RESCUE. SHINGLE SPRII TY.	D IMPROVEMENTS, EASY RG IN 1985, 3 PLANTS AROUND EO Index: Mapping Precis Symbol Ty NGS. LOCATED IN THE E 1/2	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224 ion: NON-SPECIFIC pe: POLYGON OF THE NE 1/4 OF SECTION	NG, Record Last I Township: Range: Section: Meridian: DN 26. MOST PLAN	Dates La Element: Site: Jpdated: 10N 09E 26 M TS WERE	st Seen	
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Orig Presen Tre Quad Summa County Summa Lat/Lo UT Ar Elevati Location Det Ecologi	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR I IN Atural/Native occurrence Presumed Extant d: Unknown y: Shingle Springs (381206 y: El Dorado g: 38.69666° /-120.94956° y: El Dorado g: 38.69666° /-120.94956° M: Zone-10 N4285110 E67/ a: n: 1 KM (0.7 MI) SOUTH O II: 2701 CARLSON DRIVE, HALF OF THE PROPER II: GROWING IN RESCUE PLANTS AT SITE INCLL	N WATERING, EI S ALONG ROAD DIST Index: 22727 28 38/510B) F RESCUE. SHINGLE SPRII TY. VERY STONY S JDE GALIUM CA	D IMPROVEMENTS, EASY R IN 1985, 3 PLANTS AROUND EO Index: Mapping Precis Symbol Ty NGS. LOCATED IN THE E 1/2 ANDY LOAM SOILS ALONG / LIFORNICUM SSP. SIERRAE	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224 27224 0001: NON-SPECIFIC 1002: POLYGON OF THE NE 1/4 OF SECTION NECOTONE BETWEEN O AND WYETHIA RETIGUE A	NG, Record Last (Township: Range: Section: Meridian: DN 26. MOST PLAN AK WOODLAND A) TA.	Dates La Element: Site: Jpdated: 10N 09E 26 M TS WERE	st Seen	E SOUTH RARE
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Orig Presen Tre Quad Summa County Summa Lat/Lo UT Ar Elevati Location Def Ecologi Thr	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR I I. LESS THAN 50 PLANTS PYT, EL DORADO IRR I I. VINNOWN I. Natural/Native occurrenc Presumed Extant d: Unknown y: Shingle Springs (381206 y: El Dorado g: 38.69666° /-120.94956° y: El Dorado g: 38.69666° /-120.94956° y: Zone-10 N4285110 E671 a: n: 1 KM (0.7 MI) SOUTH O II: 2701 CARLSON DRIVE, HALF OF THE PROPER II: GROWING IN RESCUE PLANTS AT SITE INCLU t: SITE HAS BEEN PARTIJ	VWATERING, EI S ALONG ROAD DIST Index: 22727 28 38/510B) F RESCUE. , SHINGLE SPRII TY. VERY STONY S JDE GALIUM CA ALLY CLEARED	D IMPROVEMENTS, EASY R IN 1985, 3 PLANTS AROUND EO Index: Mapping Precisi Symbol Ty NGS. LOCATED IN THE E 1/2 ANDY LOAM SOILS ALONG / LIFORNICUM SSP. SIERRAE FOR DEVELOPMENT OF RES	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224 27224 001: NON-SPECIFIC 102: POLYGON 0F THE NE 1/4 OF SECTION IN ECOTONE BETWEEN O AND WYETHIA RETICULATS.	NG. Record Last (Township: Range: Section: Meridian: DN 26. MOST PLAN AK WOODLAND AN TA.	Dates La Element: Site: Jpdated: 10N 09E 26 M TS WERE	st Seen	E SOUTH RARE
Ecologi Thr Gene Owner/Manaç Occurrence Occ Ra Occ Ra Orig Presen Tre Quad Summa County Summa Lat/Lo UT Ar Elevati Location Def Ecologi Thr Gene	ai: ON RESCUE SOLS IN CHLOROGALUM. at: DEVELOPMENT, LAWN ai: LESS THAN 50 PLANTS PVT, EL DORADO IRR I O. 14 Map In IN Atural/Native occurrence Presumed Extant d: Unknown y: Shingle Springs (381206 y: El Dorado g: 38.69666° /-120.94956° y: El Dorado g: 38.69666° /-120.94956° y: Zone-10 N4285110 E671 a: n: 1 KM (0.7 MI) SOUTH O II: 2701 CARLSON DRIVE, HALF OF THE PROPER II: GROWING IN RESCUE PLANTS AT SITE INCLU II: SITE HAS BEEN PARTI/ II: RARE FLORA MAY BE F	VWATERING, EI S ALONG ROAD DIST Index: 22727 28 38/510B) F RESCUE. , SHINGLE SPRII (TY. VERY STONY S JDE GALIUM CA ALLY CLEARED PROTECTED ON	D IMPROVEMENTS, EASY R IN 1985, 3 PLANTS AROUND EO Index: Mapping Precisi Symbol Ty NGS. LOCATED IN THE E 1/2 ANDY LOAM SOILS ALONG / LIFORNICUM SSP. SIERRAE FOR DEVELOPMENT OF RE: I SITE BY AGREEMENTS WIT	DAD ACCESS, AND DUMPII RESERVOIR IN 1994. 27224 27224 OR: NON-SPECIFIC rpe: POLYGON OF THE NE 1/4 OF SECTIC IN ECOTONE BETWEEN O AND WYETHIA RETICULAT SIDENTIAL LOTS. H PROPERTY-OWNERS R	NG. Record Last (Township: Range: Section: Meridian: DN 26. MOST PLAN AK WOODLAND A) TA. EGARDING LAND (Dates La Element: Site: Jpdated: 10N 09E 26 M TS WERE ND CHAPA	st Seen	E SOUTH RARE

Page 3

Fadarat. T	us	NDDB Element Ranks	Other Lists	
Federal: Endang State: Rare	ered	Global: G2 State: S2.1	CNPS List: 1B.2	
General: CHAPA Micro: GABBR	RRAL, CISMONTANE WOODLAND. OIC SOILS; OFTEN IN "HISTORICALI	Y DISTURBED" AREAS WITH AN ENSEMBLE OF C	THER RARE PLANTS. 260-630M.	,
Occurrence No.	15 Map Index: 2392	23 EO Index: 7203	Dates Las	st Seen
Occ Rank:	Excellent		Element:	1994-05-22
Presence:	Presumed Extant		Site.	1004-00-22
Trend:	Unknown		Record Last Updated:	1995-01-03
Quad Summary:	Pilot Hill (3812171/527D)		· · · · · · · · · · · · · · · · · · ·	
County Summary:	El Dorado			
Lat/Long:	38.76566° / -121.00806°		Township: 11N	
UTM:	Zone-10 N4292656 E673061		Range: 09E	
Area: Elevation:	1,000 ft	Mapping Precision: SPECIFIC Symbol Type: POLYGON	Section: 30 Meridian: M	Qtr: SE
Location:	NORTH OF AMERICAN RIVER ON S	SOUTH FACING RIDGE ALONG BEND IN RIVER WE	ST OF WEBER CREEK.	
Location Detail:	CROMING RECENTLY CUT (APPROX.	D TEARS) FIRE BREAK ALONG RIDGE WHICH EXT	I ENDS FROM 1220 KNOLL SOUTH TO	THE RIVER.
Ecological:	RETICULATA, & CHLOROGALUM G QUERCUS DURATA.	L PLANT ASSOCIATION WITH CALYSTEGIA STEBI RANDIFLORUM IN ADDITION TO ARCTOSTAPHYL	DINGII, HELIAN THEMUM SUFFRUTESC OS VISCIDA, ADENOSTOMA, RHAMNU	JENS, WYETHIA
General:	300 PLANTS SEEN IN 1994. PART C POPULATION. PREVIOUS CONTRO RODERICKII.	OF POPULATION WILL BE BURNED IN 1994 CDF CO ILLED BURN ON ADJACENT RIDGETOP HAS RARE	ONTROLLED BURN. GRADED FIRE BR E GABBROIC ASSOCIATES BUT NO CE	EAK GOES THROUG
Owner/Manager:	BLM-FOLSOM RA		20 A. D.	
Occurrence No.	16 Map Index: 2272	EO Index: 16850	Dates Las	t Seen
Occ Rank:	Unknown		Element:	1986-XX-XX
Origin: Presence:	Natural/Native occurrence Presumed Extant		Site:	1986-XX-XX
Trend:	Unknown		Record Last Updated:	1993-01-15
Quad Summary:	Shinale Springs (3812068/510B)	and the second sec		
	El Dorado			
County Summary:		a a state of the second se	Townships 10hi	
County Summary: Lat/Long:	38 718969 / -120 999489		LOW BEDID! 100	
County Summary: Lat/Long: UTM:	38.71896° / -120.99948° Zone-10 N4287489 E673919		Range: 09E	
County Summary: Lat/Long: UTM: Radius:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters	Mapping Precision: SPECIFIC	Range: 09E Section: 16	Qtr: SW
County Summary: Lat/Long: UTM: Radius: Elevation:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft	Mapping Precision: SPECIFIC Symbol Type: POINT	Range: 09E Section: 16 Meridian: M	Qtr: SW
County Summary: Lat/Long: UTM: Radius: Elevation: Location:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 Mi	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER.	Range: 09E Section: 16 Meridian: M	Qtr: SW
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF	RK.	Qtr: SW
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF	RK.	Qtr: SW
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF	Range: 09E Section: 16 Meridian: M	Qtr: SW
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager: Occurrence No. Occ Rank:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN 17 Map Index: 2272 Unknown	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF	Range: 09E Section: 16 Meridian: M RK. ————————————————————————————————————	Qtr: SW t Seen 1986-XX-XX
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager: Occurrence No. Occ Rank: Origin:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN 17 Map Index: 2272 Unknown Natural/Native occurrence	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF	Range: 09E Section: 16 Meridian: M RK. — Dates Las Element: Site:	Qtr: SW t Seen 1986-XX-XX 1986-XX-XX
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN 17 Map Index: 2272 Unknown Natural/Native occurrence Presumed Extant Unknown	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF EO Index: 16851	Range: 09E Section: 16 Meridian: M RK. —— Dates Las Element: Site:	Qtr: SW t Seen 1986-XX-XX 1986-XX-XX 1993-02-04
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN 17 Map Index: 2272 Unknown Natural/Native occurrence Presumed Extant Unknown	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF 25 EO Index: 16851	Range: 09E Range: 09E Section: 16 Meridian: M RK. —— Dates Las Element: Site: Record Last Updated:	Qtr: SW t Seen 1986-XX-XX 1986-XX-XX 1993-02-04
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN 17 Map Index: 2272 Unknown Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B)	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF 25 EO Index: 16851	Range: 09E Section: 16 Meridian: M RK. —— Dates Las Element: Site: Record Last Updated:	Qtr: SW t Seen 1986-XX-XX 1986-XX-XX 1993-02-04
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN 17 Map Index: 2272 Unknown Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B) El Dorado	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF 25 EO Index: 16851	Range: 09E Section: 16 Meridian: M RK. —— Dates Las Element: Site: Record Last Updated:	Qtr: SW t Seen 1986-XX-XX 1986-XX-XX 1993-02-04
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN 17 Map Index: 2272 Unknown Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B) El Dorado 38.71604° / -120.98869°	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF 25 EO Index: 16851	Range: 09E Section: 16 Meridian: M RK. Dates Las Element: Site: Record Last Updated: Township: 10N	Qtr: SW t Seen 1986-XX-XX 1986-XX-XX 1993-02-04
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Bedi::	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN 17 Map Index: 2272 Unknown Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B) El Dorado 38.71604° / -120.98869° Zone-10 N4287186 E674864 80 meters	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOR 5 EO Index: 16851	Township: 10N Range: 09E Section: 16 Meridian: M RK. —— Dates Las Element: Site: Record Last Updated: Township: 10N Range: 09E Section: 16	Qtr: SW t Seen 1986-XX-XX 1986-XX-XX 1983-02-04
County Summary: Lat/Long: UTM: Radius: Elevation: Location: General: Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN 17 Map Index: 2272 Unknown Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B) El Dorado 38.71604° / -120.98869° Zone-10 N4287186 E674864 80 meters 1,680 ft	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOR 5 EO Index: 16851 Mapping Precision: SPECIFIC Symbol Type: POINT	Township: 10N Range: 09E Section: 16 Meridian: M RK. —— Dates Las Element: Site: Record Last Updated: Township: 10N Range: 09E Section: 16 Meridian: M	Qtr: SW t Seen 1986-XX-XX 1983-02-04 Qtr: SE
County Summary: Lat/Long: UTM: Radius: Elevation: Coccurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary: County Summary: Lat/Long: UTM: Radius: Elevation:	38.71896° / -120.99948° Zone-10 N4287489 E673919 80 meters 1,480 ft WEST OF PINE HILL, 0.8 KM (0.5 MI MAP DETAIL IS ONLY SOURCE OF UNKNOWN 17 Map Index: 2272 Unknown Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B) El Dorado 38.71804° / -120.98869° Zone-10 N4287186 E674864 80 meters 1,680 ft SOUTH OF PINE HILL, 0.4 KM (0.25	Mapping Precision: SPECIFIC Symbol Type: POINT) WEST OF LOOKOUT TOWER. INFORMATION FOR THIS SITE; NEEDS FIELDWOF 25 EO Index: 16851 25 EO Index: 16851 25 EO Index: 16851 25 Mapping Precision: SPECIFIC Symbol Type: POINT MI) SSE OF LOOKOUT TOWER.	Township: 10N Range: 09E Section: 16 Meridian: M RK. ———————————————————————————————————	Qtr: SW t Seen 1986-XX-XX 1986-XX-XX 1993-02-04 Qtr: SE

Ceanothus roderickii				×.	·
Pine Hill ceanothus		NDDD Flowert Backs	Element Co	de: PDRHA04190	
Federal: Endang State: Rare	us ered	Global: G2 State: S2.1	.8	CNPS List: 1B.2	
General: CHAPA	SSOCIATIONS RRAL, CISMONTANE WOODLAND. ROIC SOILS; OFTEN IN "HISTORICALLY DIS	STURBED" AREAS WITH A	N ENSEMBLE OF OTHER RA	ARE PLANTS. 260-630M.	
Occurrence No. Occ Rank: Origin: Presence:	18 Map Index: 22722 Unknown Natural/Native occurrence Presumed Extant	EO Index	:: 8071	Dates Las Element: Site:	1986-XX-XX 1986-XX-XX 1986-XX-XX
Trend:	Unknown			Record Last opdated.	1000 02 01
Quad Summary: County Summary:	Shingle Springs (3812068/510B) El Dorado		14. 	9(4)	
Lat/Long: UTM: Radius: Elevation:	38.71464° / -120.99475° Zone-10 N4287019 E674341 80 meters 1,600 ft	Mapping Precis Symbol T	sion: SPECIFIC ype: POINT	Township: 10N Range: 09E Section: 16 Meridian: M	Qttr: S
Location Location Detail General Owner/Manager	SW OF PINE HILL, 0.6 KM (0.4 MI) FROM ON FAR SOUTH BORDER OF SECTION, MAP DETAIL IS ONLY SOURCE OF INFO UNKNOWN	LOOKOUT TOWER. ALMOST DIRECTLY IN CEI RMATION FOR THIS SITE;	NTER OF SECTION LINE. NEEDS FIELDWORK.		
Occurrence No. Occ Rank: Origin: Presence: Trend:	19 Map Index: 22723 Unknown Natural/Native occurrence Presumed Extant Unknown	EO Index	:: 20651	Dates La Element: Site: Record Last Updated:	st Seen 1986-XX-XX 1986-XX-XX 1993-01-15
Quad Summary: County Summary:	Shingle Springs (3812068/510B) El Dorado				
Lat/Long: UTM: Radius: Elevation:	38.70944° / -120.99565° Zone-10 N4286440 E674275 80 meters 1,440 ft	Mapping Precis Symbol T	sion: SPECIFIC 'ype: POINT	Township: 10N Range: 09E Section: 21 Meridian: M	Qtr: NW
Location: Location Detail: Ecological: General:	SSW OF PINE HILL, 1.2 KM (0.8 MI) FROM MAPPED UNDER TRANSMISSION LINES SENECIO LAYNEAE IS ALSO MAPPED A MAP DETAIL IS ONLY SOURCE OF INFO	M LOOKOUT TOWER. S NEAR DIRT ROAD IN NOF IT THIS LOCATION. RMATION FOR THIS SITE:	RTH 1/2 OF SECTION 21.	2 2 2	
Owner/Manager:	UNKNOWN				- Xee
Occurrence No. Occ Rank: Origin: Presence: Trend:	20 Map Index: 22145 Unknown Natura/Native occurrence Presumed Extant Unknown	EO Index	x: 16646	—— Dates La: Element: Site: Record Last Updated:	at Seen
Quad Summary:	Clarksville (3812161/511A)	New Yorks (1999)	and the second s	e Maria Borrise K	Contractions
Lat/Long: UTM: Radius: Elevation:	38.73531° / -121.05130° Zone-10 N4289207 E669375 80 meters 860 ft	Mapping Precis Symbol T	sion: SPECIFIC 'ype: POINT	Township: 10N Range: 08E Section: 12 Meridian: M	Qtr: SW
Location Location Detail General	WEST OF SWEETWATER CREEK, 0.5 KM LOCATED IN THE NE 1/4 OF THE SW 1/4 MAP DETAIL IS ONLY SOURCE OF INFO	M (0.25 MI) NW OF LANDIN OF SECTION 12. IRMATION FOR THIS SITE.	G STRIP AND 2.5 KM (1.5 MI	I) NNE OF LIVE OAK SCHOOL	
Owner/Manager:	UNKNOWN				

Page 5

California Department of Fish and Game Natural Diversity Database

Full Condensed Report for Selected Elements - Multiple Records per Page

Pine Hill ceanothus		Eleme	nt Code: PDRHA04190		
Federal: Endang State: Rare	us	NDDB Element Ranks Global: G2 State: S2.1	CNPS LI	st: 1B.2	
Habitat A	ssociations				
Micro: GABBR	RRAL, CISMONTANE WOODLAND. OIC SOILS; OFTEN IN "HISTORICALLY	DISTURBED" AREAS WITH AN ENSEMBLE OF OTH	IER RARE PLANTS. 260-	630M.	
Occurrence No.	21 Map Index: 22764	EO Index: 8065		Dates La	st Seen
Occ Rank:	Good		E	lement:	1992-07-25
Origin:	Natural/Native occurrence			Site:	1992-07-25
Presence:	Presumed Extant		Record Last L	Indated	1993-02-26
Trend.	Onknown			spanea.	1000 02 20
Quad Summary:	Shingle Springs (3812068/510B)				
County Summary:	El Dorado				
Lat/Long:	38.67658° / -120.95492°		Township:	10N	
UTM:	Zone-10 N4282871 E677898		Range:	09E	
Radius:	80 meters	Mapping Precision: SPECIFIC	Section:	35	Qtr: SE
Elevation:	1,450 π	Symbol Type: POINT	Meridian:	м	1
Location:	CAMERON PARK, 2 KM (1.3 MI) NE OF	F HIGHWAY 50-CAMERON PARK DRIVE INTERCHA	NGE.		
Location Detail:	LOCATED AT THE SOUTHEAST COR	NER OF MEDER ROAD AND BROADLEAF COURT, V	WITHIN THE NW 1/4 OF T	HE SE 1/4	OF SECTION 35.
Ecological					
Ecological.	THE BED OF AN INTERMITTENT STR	CH GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V	H. PLANTS OCCUR ON F	MA FASC	BRO SOILS FOLLOWII
Threat:	THE BED OF AN INTERMITTENT STR SITE IS LIKELY TO BE DEVELOPED, F	CH GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED.	H. PLANTS OCCUR ON H /ISCIDA AND ADENOSTC	MA FASC	BRO SOILS FOLLOWI CICULATUM.
Threat: General:	THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY.	CH GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO	H. PLANTS OCCUR ON F	A RETICU	BRO SOILS FOLLOWI CICULATUM. LATA, ARE LOCATED
Coordination Threat: General: Owner/Manager:	GROWING WITHIN CHAPARRAL WHI THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT	CH GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO	H. FLANTS OCCUR ON F	A RETICU	RO SOILS FOLLOWI ICULATUM. LATA, ARE LOCATEL
Concurrence No.	THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT	CH GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO EQ Index: 3128	H. FLANTS OCCUR ON F /ISCIDA AND ADENOSTO	DATES La	IRO SOILS FOLLOWI ICULATUM.
Construction Const	CROWING WITHIN CHAPARRAL WHIL THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT 22 Map Index: 30661 Fair	CH GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO EO Index: 3128	H. FLANTS OCCUR ON F /ISCIDA AND ADENOSTO LAYNEAE AND WYETHI	DATES La	IRO SOILS FOLLOWI ICULATUM.
Owner/Manager: Occurrence No. Occ Rank: Origin:	CROWING WITHIN CHAPARARAL WHIL THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT 22 Map Index: 30661 Fair Natural/Native occurrence	EN GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO EO Index: 3128	H. FLANTS OCCUR ON F /ISCIDA AND ADENOSTO LAYNEAE AND WYETH!	DATES La Dates La Site:	IRO SOILS FOLLOWI ICULATUM. LATA, ARE LOCATED IST Seen 1994-07-22 1994-07-22
Owner/Manager: Occurrence No. Occ Rank: Origin: Presence:	CROWING WITHIN CHAPARACL WHIL THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT 22 Map Index: 30661 Fair Natural/Native occurrence Presumed Extant	EO Index: 3128	H. PLANTS OCCUR ON F IISCIDA AND ADENOSTO LAYNEAE AND WYETHI	Dates La Site:	IRO SOLS FOLLOWI ICULATUM. LATA, ARE LOCATED IST Seen 1994-07-22 1994-07-22
Owner/Manager: Occurrence No. Occurrence No. Occ Rank: Origin: Presence: Trend:	CROWING WITHIN CHAPARACL WHIL THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT 22 Map Index: 30661 Fair Natural/Native occurrence Presumed Extant Unknown	EN GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO EO Index: 3128	H. PLANTS OCCUR ON F /ISCIDA AND ADENOSTO LAYNEAE AND WYETHI. E Record Last U	DATES La Dates La Element: Site: Jpdated:	IRO SOILS FOLLOWI ICULATUM. LATA, ARE LOCATED IST Seen 1994-07-22 1994-07-22 1994-12-06
Coordination Constant Owner/Manager: Occurrence No. Occ Rank: Origin: Presence: Trend: Quad Summary:	CROWING WITHIN CHAPARACL WHIL THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT 22 Map Index: 30661 Fair Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B)	EN GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO EO Index: 3128	H. PLANTS OCCUR ON F /ISCIDA AND ADENOSTO LAYNEAE AND WYETHI. E Record Last U	DATES La Dates La Element: Site: Jpdated:	IRO SOILS FOLLOWI ICULATUM. LATA, ARE LOCATED 1994-07-22 1994-07-22 1994-12-06
County Summary:	CROWING WITHIN CHAPARACL WHIL THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT 22 Map Index: 30661 Fair Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B) El Dorado	EN GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO EO Index: 3128	H. PLANTS OCCUR ON F /ISCIDA AND ADENOSTO LAYNEAE AND WYETHI. E Record Last U	DMA FASC A RETICU Dates La Element: Site: Jpdated:	IRO SOILS FOLLOWI ICULATUM. LATA, ARE LOCATED IST Seen 1994-07-22 1994-07-22 1994-12-06
County Summary:	CROWING WITHIN CHAPARACL WHIL THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT 22 Map Index: 30661 Fair Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B) El Dorado 38 67420° / .120 95340°	EN GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO EO Index: 3128	H. PLANTS OCCUR ON H /ISCIDA AND ADENOSTO LAYNEAE AND WYETHI. Record Last U	DAtes La Dates La Element: Site: Jpdated:	IRO SOILS FOLLOWI ICULATUM. LATA, ARE LOCATED IST Seen 1994-07-22 1994-07-22 1994-12-06
County Summary: County Summary: County Summary: County Summary: Utility County Summary: Utility County Summary: Utility County Summary: Utility County Summary:	CROWING WITHIN CHAPARACL WHIL THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT 22 Map Index: 30661 Fair Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B) El Dorado 38.67420° / -120.95349° Zone-10 N4282610 E678029	EN GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO EO Index: 3128	H. PLANTS OCCUR ON F /ISCIDA AND ADENOSTO LAYNEAE AND WYETHI Record Last U Township: Rance:	Dates La Ilement: Site: Jpdated:	RO SOLS FOLLOWI CULATUM. LATA, ARE LOCATED 1994-07-22 1994-07-22 1994-12-06
County Summary: County Summary: Lat/Long: Lat/Long: County Anna Conginiant County Summary: County Summary: Lat/Long: UTM: Area:	GROWING WITHIN CHAPARACL WHIL THE BED OF AN INTERMITTENT STRI SITE IS LIKELY TO BE DEVELOPED, F APPROXIMATELY 200 PLANTS SEEN NEARBY. PVT 22 Map Index: 30661 Fair Natural/Native occurrence Presumed Extant Unknown Shingle Springs (3812068/510B) El Dorado 38.67420° / -120.95349° Zone-10 N4282610 E678029 6.1 acres	EN GRADES INTO OAK WOODLAND TO THE NORT EAM UNDER THE SHADE OF ARCTOSTAPHYLOS V PERMIT APPLICATION HAS BEEN SUBMITTED. IN 1992. TWO OTHER SPECIAL PLANTS, SENECIO EO Index: 3128 Mapping Precision: SPECIFIC	H. PLANTS OCCUR ON F /ISCIDA AND ADENOSTO LAYNEAE AND WYETH! Record Last U Township: Range: Section:	Dates La Dates La Iement: Site: Jpdated: 10N 09E 35	RO SOILS FOLLOWI CICULATUM. LATA, ARE LOCATED 1994-07-22 1994-07-22 1994-12-06 Qtr: SE
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Attachment 4



