

APPENDIX A

Air Emissions-CalEEMod Output Models



**California Air Resources Board
 Calculator for the
 California Department of Forestry & Fire Protection
 Forest Health Grant Program
 Quantification Methodology
 Fiscal Year 2017-2018**

Definitions Worksheet

Reforestation	Carbon within the treatment boundary at the end of the project with reforestation (MT C)	Enter the carbon stored in existing and planted standing live and dead trees within the treatment boundary at the end of the project in reforestation project scenario (from COLE or FVS). If cell is not applicable, leave blank.
	Carbon within the treatment boundary at the end of the project without reforestation (MT C)	Enter the carbon stored in existing standing live and dead trees within the treatment boundary at the end of the project in reforestation baseline scenario (from Table 10 in quantification methodology or FVS). If cell is not applicable, leave blank.
	Quantity of trees to be planted in reforestation activity (number of trees)	Enter the number of trees to be planted as part of the reforestation project activity. If cell is not applicable, leave blank.
	Area subject to reforestation (acres)	Enter the number of acres within the treatment boundary to be planted with trees as part of the reforestation activity. If cell is not applicable, leave blank.
	Area subject to site preparation (acres)	Enter the acres within the treatment boundary subject to site preparation. If cell is not applicable, leave blank.
	Level of brush cover (select from options)	If site preparation is planned, select from the drop down menu the level of brush cover (light: 0-25% brush cover, medium: >25%-50% dense brush cover, or heavy: >50% brush cover and/or stump removal) that best describes land cover of area subject to site preparation prior to project implementation (used to account for mobile source combustion emissions). If cell is not applicable, leave blank.
	Land cover type (select from options)	If site preparation is planned, select from the drop down menu the land cover type (grass, light to medium shrubs, or heavy shrubs) that best describes land cover prior to project implementation. If cell is not applicable, leave blank.
Pest Management	Area within the pest management treatment boundary (acres)	Enter the number of acres within the treatment boundary of the pest management activity. If cell is not applicable, leave blank.
	Area within the pest management impact boundary (acres)	Enter the number of acres within the impact boundary of the pest management activity. If cell is not applicable, leave blank.
	Carbon within the treatment boundary at the end of the project without disturbance or pest management treatment (MT C)	Enter the carbon stored in standing live trees within the treatment boundary at the end of the project assuming no pest management treatment and no threat from pests or disease (from COLE or FVS). If cell is not applicable, leave blank.
	Carbon within the impact boundary at the end of the project without disturbance or pest management treatment (MT C)	Enter the carbon stored in standing live trees within the impact boundary at the end of the project assuming no pest management treatment and no threat from pests or disease (from COLE or FVS). If cell is not applicable, leave blank.
	Percentage of treatment and impact boundaries at risk with pest management treatment (%)	Enter the percentage of treated area or basal area within the treatment and impact boundaries that remains at risk from pests and disease within a 10-year time frame with pest management treatment. Applicants may provide site- and treatment-specific estimates sourced from published, peer-reviewed literature directly applicable to the project site or from a Registered Professional Forester familiar with the threat facing the project site and proposed treatments. At a minimum, projects must consider the following when determining the baseline and project mortality rates within the project site: the local extent and scale of the epidemic, the type of treatment to be implemented, the species threatened by the pest or disease, the species composition and density within the project site, whether the pest is native or exotic, and the climate of the project site. If cell is not applicable, leave blank.
	Percentage of treatment and impact boundaries at risk without pest management treatment (%)	Enter the percentage of treated area or basal area within the treatment and impact boundaries at risk from pests and disease within a 10-year time frame without pest management treatment. Applicants may provide 1) site-specific estimates sourced from the USFS National Insect and Disease Risk Map (NIDRM), 2) site-specific estimates sourced from published, peer-reviewed literature directly applicable to the project site, or 3) site-specific estimates from a Registered Professional Forester familiar with the threat facing the project site. At a minimum, projects must consider the following when determining the baseline and project mortality rates within the project site: the local extent and scale of the epidemic, the type of treatment to be implemented, the species threatened by the pest or disease, the species composition and density within the project site, whether the pest is native or exotic, and the climate of the project site. If cell is not applicable, leave blank.
	Carbon removed as part of pest management treatment (MT C)	Enter the amount of standing live tree carbon to be removed from within the treatment boundary as part of pest management treatment. Applicants estimate the quantity of standing live tree carbon to be removed by analyzing current stand conditions and proposed treatments to be implemented. If cell is not applicable, leave blank.
Fuels Reduction	Biomass removed via mechanical treatments (BDT)	Enter the amount of biomass to be removed from within the treatment boundary via mechanical treatments (used to account for mobile source combustion emissions). For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.
	Area within the treatment boundary (acres)	Enter the number of acres within the treatment boundary of the fuels reduction activity. If cell is not applicable, leave blank.
	Annual probability of fire occurrence (%)	Enter the annual probability that area within the treatment and impact boundaries will be subject to wildfire disturbance (mean probability from the FRAP Fire Probability for Carbon Accounting map tool; see Step 3.C in Forest Health Program Quantification Methodology for further information). If cell is not applicable, leave blank.
	Effective period for fuels reduction treatment (Years)	Enter the length of time fuel reduction treatment is expected to be effective at modifying fire behavior (maximum of 25 years). Applicants can determine the effective period based on modeled or observed change in fire behavior as a result of the treatment and/or the professional judgement of the Registered Professional Forester or Certified Silviculturist designing the treatment. If cell is not applicable, leave blank.
	Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)	Enter the carbon stored in standing live trees within the treatment boundary at the end of the project assuming no disturbance from wildfire and fuels reduction treatment was implemented (from FVS). If cell is not applicable, leave blank.
	Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)	Enter the carbon stored in standing live trees within the treatment boundary at the end of the project assuming a disturbance from wildfire and fuels reduction treatment was implemented (from FVS and FEE-FVS). Inclusion of carbon stock estimates within impact boundary is optional. If cell is not applicable, leave blank.
	Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)	Enter the carbon stored in standing live trees within the treatment boundary at the end of the project assuming no disturbance from wildfire and no fuels reduction treatment (from FVS). If cell is not applicable, leave blank.
	Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)	Enter the carbon stored in standing live trees within the treatment boundary at the end of the project assuming a disturbance from wildfire and no fuels reduction treatment (from FVS and FFE-FVS). If cell is not applicable, leave blank.
	Biomass removed via mechanical treatments (BDT)	Enter the amount of biomass removed from within the treatment boundary via mechanical treatment (used to account for mobile source combustion emissions). Applicants estimate the quantity of biomass to be removed via mechanical treatment by analyzing current stand conditions and proposed treatments to be implemented. For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.
	For applicants who choose to include the impact boundary for fuels reduction activities	
	Area within the impact boundary (acres)	Enter the number of acres within the impact boundary of the fuels reduction activity. If cell is not applicable, leave blank.
	Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)	Enter the carbon stored in standing live trees within the impact boundary at the end of the project assuming no disturbance from wildfire (from FVS). Inclusion of carbon stock estimates within impact boundary is optional. If cell is not applicable, leave blank.
	Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)	Enter the carbon stored in standing live trees within the impact boundary at the end of the project assuming a disturbance from wildfire and no fuels reduction treatment (from FVS and FlamMap). Inclusion of carbon stock estimates within impact boundary is optional. If cell is not applicable, leave blank.
	Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)	Enter the proportion of area within the impact boundary (%) with >50% probability of experiencing high flame lengths (>8 ft), based on Monte Carlo simulations of wildfire across the landscape without fuels reduction treatment (from FlamMap). Inclusion of carbon stock estimates within impact boundary is optional. If cell is not applicable, leave blank.
	Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)	Enter the proportion of area within the impact boundary (%) with >50% probability of experiencing high flame lengths (>8 ft), based on Monte Carlo simulations of wildfire across the landscape with fuels reduction treatment (from FlamMap). Inclusion of carbon stock estimates within impact boundary is optional. If cell is not applicable, leave blank.



**California Air Resources Board
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California Department of Forestry & Fire Protection
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Fiscal Year 2017-2018**

Definitions Worksheet

Forest Conservation: Avoided Conversion Easement	Area of the treatment boundary (acres)	Enter the acres within the easement. If cell is not applicable, leave blank.
	Area of the treatment boundary at risk of conversion (acres)	Enter the acres within the easement that are at risk of conversion to non-forest use. If cell is not applicable, leave blank.
	Carbon within the treatment boundary at the end of the project with the conservation easement (MT C)	Enter the carbon stored in standing live and dead trees within the treatment boundary at the end of the project with the conservation easement (from COLE or FVS). If cell is not applicable, leave blank.
	Type of conversion threat	Select from the drop down menu the type of conversion threat facing the land. If cell is not applicable, leave blank.
	If conversion threat type is residential, number of unique parcels that would be formed in the at-risk area (parcels)	If conversion threat type is residential, enter the number of parcels, or home lots, that the land would be divided into within the area at-risk of conversion. If cell is not applicable, leave blank.
	Biomass that would be removed from within the conservation treatment boundary and utilized without the conservation easement (BDT)	Enter the amount of biomass that would be removed from within the treatment boundary and utilized for wood products, electricity generation via combustion, and electricity generation via gasification. Estimate biomass to be utilized if land were converted without the conservation easement. Provide separate estimates for each method of utilization. Applicants estimate the quantity of biomass to be utilized if the area were converted by analyzing the amount of biomass to be removed, based on current stand conditions, and percentage of removed biomass expected to be sent to mill or biomass facility. For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.
Biomass that is expected to be removed from within the conservation treatment boundary and utilized with the conservation easement (BDT)	Enter the amount of biomass that is expected to be removed from within the treatment boundary and utilized for wood products, electricity generation via combustion, and electricity generation via gasification. Estimate biomass to be utilized with the conservation easement during the 50-80 year project but after project closeout (i.e., biomass removal not funded with GGRF but as a result of the area continuing to operate as a working forest). Provide separate estimates for each method of utilization. Applicants estimate the quantity of biomass to be utilized during the 50-80 year project (after project closeout) if the area were protected by analyzing recent harvesting trends on the land and taking into account any new practices being introduced by the terms of the easement. For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.	
Forest Conservation: Forest Management Easement	Area of the treatment boundary (acres)	Enter the acres within the easement. If cell is not applicable, leave blank.
	Area of treatment boundary subject to active forest management prescriptions (acres)	Enter the acres within the treatment boundary that are subject to active forest management prescriptions through the conservation easement. If cell is not applicable, leave blank.
	Carbon within the active forest management area at the end of the project without the conservation easement (MT C)	Enter the carbon stored in standing live and dead trees within the active forest management portion of the easement at the end of the project without the conservation easement (from FVS). If cell is not applicable, leave blank.
	Carbon within the active forest management area at the end of the project with the conservation easement (MT C)	Enter the carbon stored in standing live and dead trees within the active forest management portion of the easement at the end of the project with the conservation easement (from FVS). If cell is not applicable, leave blank.
	Biomass that would be removed from within the active forest management area and utilized for wood products without the easement (BDT)	Enter the amount of biomass that would be removed from within the active forest management portion of the easement and utilized for wood products, electricity generation via combustion, and electricity generation via gasification. Estimate biomass that would be utilized if land were converted without the conservation easement. Provide separate estimates for each method of utilization. Applicants estimate the quantity of biomass to be utilized if the area were converted by analyzing the amount of biomass to be removed, based on current stand conditions, and percentage of removed biomass expected to be sent to mill or biomass facility. For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.
	Biomass that would be removed from within the active forest management area and utilized for wood products without the easement (BDT)	Enter the amount of biomass that is expected to be removed from within the active forest management portion of the easement and utilized for wood products, electricity generation via combustion, and electricity generation via gasification. Estimate biomass to be utilized with the conservation easement during the 50-80 year project but after project closeout (i.e., biomass removal not funded with GGRF but as a result of the area continuing to operate as a working forest). Provide separate estimates for each method of utilization. Applicants estimate the quantity of biomass to be utilized during the 50-80 year project (after project closeout) if the area were protected by analyzing recent harvesting trends on the land and taking into account any new practices being introduced by the terms of the easement. For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.
Biomass Utilization	For biomass utilization activities that send biomass to a mill:	
	Biomass to be removed from the project area as part of implementing reforestation, pest management, or fuels reduction activities and delivered to a mill (BDT)	Enter the total amount of biomass to be removed from the project area as a result of implementing forest health project activities (i.e., biomass removed as part of site preparation, brush removal, manual or mechanical thinning, etc.) and delivered to a mill. For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.
	Mill efficiency (%)	Applicants can enter either the actual mill efficiency from the mill where trees will be delivered, supported with documentation, or the appropriate default mill efficiency based on the type of wood provided in Table 13 of the quantification methodology. If trees will be delivered to more than one mill with different efficiencies, applicants may provide a weighted mill efficiency. If cell is not applicable, leave blank.
	Wood product class (%)	Enter the percent of removed biomass that will go into each wood product class category (i.e., softwood lumber, hardwood lumber, softwood plywood, oriented strandboard, nonstructural panels, paper, and miscellaneous products. If not available from the mill that wood will be delivered to, assume that 100% of the biomass goes into "miscellaneous products." If cell is not applicable, leave blank.
	For biomass utilization activities that send biomass to a biomass energy facility:	
	Biomass to be removed from the project area as a result of implementing forest health project activities and delivered to a biomass facility generating electricity via combustion (BDT)	Enter the total amount of biomass to be removed from the project area as a result of implementing forest health project activities (i.e., biomass removed as part of site preparation, brush removal, manual or mechanical thinning, etc.) and delivered to a biomass facility generating electricity via combustion. For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.
	Biomass to be removed from the project area as a result of implementing forest health project activities and delivered to a biomass facility generating electricity via gasification (BDT)	Enter the total amount of biomass to be removed from the project area as a result of implementing forest health project activities (i.e., biomass removed as part of site preparation, brush removal, manual or mechanical thinning, etc.) and delivered to a biomass facility generating electricity via gasification. For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.
	For projects that facilitate the utilization of biomass that would otherwise be removed from outside the project area without GGRF funding NOTE: This section only applies to activities that utilize biomass removed as part of management practices not associated with the project (i.e., the forest treatment was not funded by the GGRF grant but complementary services such as transportation to a biomass facility or mill is funded with GGRF grant money). Only these projects may include the GHG benefit of avoided emissions from an open pile burn, landfilling, or leaving biomass to decay on-site.	
	Biomass that would be removed and open pile burned without project (BDT)	Enter the amount of removed biomass that would be open pile burned in the baseline scenario (separate estimates for each method of disposal). For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.
	Biomass that would be removed and landfilled without project (BDT)	Enter the amount of removed biomass that would be landfilled in the baseline scenario (separate estimates for each method of disposal). For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.
Biomass that would be removed and left to decay on-site without project (BDT)	Enter the amount of removed biomass that would be left to decay on-site in the baseline scenario (separate estimates for each method of disposal). For the purposes of this quantification methodology, "biomass" refers to both merchantable timber and woody waste material. If cell is not applicable, leave blank.	
GHG Summary	Forest Health GGRF Funds Requested (\$)	Enter the Forest Health GGRF funds requested for all project features. This amount is equal to the amount of GGRF dollars the applicant is requesting from CAL FIRE's Forest Health program.
	Total GGRF Funds Requested (\$)	Enter the total GGRF funds requested for all project features. This amount is equal to the amount of GGRF dollars the applicant is requesting from CAL FIRE's Forest Health program, plus all GGRF dollars from CAL FIRE or other agencies that have previously been awarded to the same project and any GGRF dollars from agencies other than CAL FIRE that project has or plans to apply for. For a list of GGRF funded programs, go to: https://www.arb.ca.gov/cc/capandtrade/auctionproceeds/ggrfprogrampage.htm . If no other GGRF funds are requested, this will be the same amount as the Forest Health GGRF Funds Requested.



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Project Name:	El Dorado Irrigation District Veg Management Project
Grant ID, if applicable:	SGG17112

Fuels Reduction Worksheet

Enter data below using the appropriate on-site carbon stock accounting tools identified in Table 2 of the quantification methodology. If the fuels reduction treatment or impact boundary overlaps with another activity's treatment or impact boundary, apportion the acreage as instructed in Table 3 of the quantification methodology.

Fuels Reduction Activity 1	
Area within the treatment boundary (acres)	118
Annual probability of fire occurrence (%)	0.40%
Effective period for fuels reduction treatment (Years)	25
Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)	10,082
Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)	0
Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)	8,213
Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)	0
Biomass removed via mechanical treatments (BDT)	0
For applicants who choose to include the impact boundary for fuels reduction activities:	
Area within the impact boundary (acres)	
Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)	
Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)	
Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)	
Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)	

GHG benefit from fuels reduction activity 1 (MT CO ₂ e)	6,208
On-site carbon storage and project emissions in fuels reduction project scenario (MT CO ₂ e)	33,473
On-site carbon storage in baseline scenario (MT CO ₂ e)	27,268

Fuels Reduction Activity 2	
Area within the treatment boundary (acres)	370
Annual probability of fire occurrence (%)	0.40%
Effective period for fuels reduction treatment (Years)	25
Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)	1,280
Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)	0
Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)	609
Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)	0
Biomass removed via mechanical treatments (BDT)	0
For applicants who choose to include the impact boundary for fuels reduction activities:	
Area within the impact boundary (acres)	
Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)	
Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)	
Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)	
Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)	

GHG benefit from fuels reduction activity 2 (MT CO ₂ e)	2,282
On-site carbon storage and project emissions in fuels reduction project scenario (MT CO ₂ e)	4,283
On-site carbon storage in baseline scenario (MT CO ₂ e)	2,021

Fuels Reduction Activity 3	
Area within the treatment boundary (acres)	75
Annual probability of fire occurrence (%)	0.40%
Effective period for fuels reduction treatment (Years)	25
Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)	1,114
Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)	0
Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)	24
Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)	0
Biomass removed via mechanical treatments (BDT)	0
For applicants who choose to include the impact boundary for fuels reduction activities:	
Area within the impact boundary (acres)	
Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)	
Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)	
Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)	
Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)	

GHG benefit from fuels reduction activity 3 (MT CO ₂ e)	3,620
On-site carbon storage and project emissions in fuels reduction project scenario (MT CO ₂ e)	3,699
On-site carbon storage in baseline scenario (MT CO ₂ e)	79

Fuels Reduction Activity 4	
Area within the treatment boundary (acres)	
Annual probability of fire occurrence (%)	
Effective period for fuels reduction treatment (Years)	
Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)	
Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)	
Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)	
Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)	
Biomass removed via mechanical treatments (BDT)	
For applicants who choose to include the impact boundary for fuels reduction activities:	
Area within the impact boundary (acres)	
Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)	
Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)	
Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)	
Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)	

GHG benefit from fuels reduction activity 4 (MT CO ₂ e)	0
On-site carbon storage and project emissions in fuels reduction project scenario (MT CO ₂ e)	0
On-site carbon storage in baseline scenario (MT CO ₂ e)	0

Fuels Reduction Activity 5	
Area within the treatment boundary (acres)	
Annual probability of fire occurrence (%)	
Effective period for fuels reduction treatment (Years)	
Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)	
Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)	
Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)	
Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)	
Biomass removed via mechanical treatments (BDT)	
For applicants who choose to include the impact boundary for fuels reduction activities:	
Area within the impact boundary (acres)	
Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)	
Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)	
Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)	
Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)	

GHG benefit from fuels reduction activity 5 (MT CO ₂ e)	0
On-site carbon storage and project emissions in fuels reduction project scenario (MT CO ₂ e)	0
On-site carbon storage in baseline scenario (MT CO ₂ e)	0



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Fuels Reduction Worksheet

Enter data below using the appropriate on-site carbon stock accounting tools identified in Table 2 of the quantification methodology. If the fuels reduction treatment or impact boundary overlaps with another activity's treatment or impact boundary, apportion the acreage as instructed in Table 3 of the quantification methodology.

Fuels Reduction Activity 6		GHG benefit from fuels reduction activity 6 (MT CO ₂ e)	
Area within the treatment boundary (acres)			0
Annual probability of fire occurrence (%)		On-site carbon storage and project emissions in fuels reduction project scenario (MT CO ₂ e)	0
Effective period for fuels reduction treatment (Years)		On-site carbon storage in baseline scenario (MT CO ₂ e)	0
Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)			
Biomass removed via mechanical treatments (BDT)			
For applicants who choose to include the impact boundary for fuels reduction activities:			
Area within the impact boundary (acres)			
Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)			
Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)			
Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)			
Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)			

Fuels Reduction Activity 7		GHG benefit from fuels reduction activity 7 (MT CO ₂ e)	
Area within the treatment boundary (acres)			0
Annual probability of fire occurrence (%)		On-site carbon storage and project emissions in fuels reduction project scenario (MT CO ₂ e)	0
Effective period for fuels reduction treatment (Years)		On-site carbon storage in baseline scenario (MT CO ₂ e)	0
Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)			
Biomass removed via mechanical treatments (BDT)			
For applicants who choose to include the impact boundary for fuels reduction activities:			
Area within the impact boundary (acres)			
Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)			
Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)			
Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)			
Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)			

Fuels Reduction Activity 8		GHG benefit from fuels reduction activity 8 (MT CO ₂ e)	
Area within the treatment boundary (acres)			0
Annual probability of fire occurrence (%)		On-site carbon storage and project emissions in fuels reduction project scenario (MT CO ₂ e)	0
Effective period for fuels reduction treatment (Years)		On-site carbon storage in baseline scenario (MT CO ₂ e)	0
Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)			
Biomass removed via mechanical treatments (BDT)			
For applicants who choose to include the impact boundary for fuels reduction activities:			
Area within the impact boundary (acres)			
Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)			
Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)			
Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)			
Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)			

Fuels Reduction Activity 9		GHG benefit from fuels reduction activity 9 (MT CO ₂ e)	
Area within the treatment boundary (acres)			0
Annual probability of fire occurrence (%)		On-site carbon storage and project emissions in fuels reduction project scenario (MT CO ₂ e)	0
Effective period for fuels reduction treatment (Years)		On-site carbon storage in baseline scenario (MT CO ₂ e)	0
Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)			
Biomass removed via mechanical treatments (BDT)			
For applicants who choose to include the impact boundary for fuels reduction activities:			
Area within the impact boundary (acres)			
Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)			
Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)			
Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)			
Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)			

Fuels Reduction Activity 10		GHG benefit from fuels reduction activity 10 (MT CO ₂ e)	
Area within the treatment boundary (acres)			0
Annual probability of fire occurrence (%)		On-site carbon storage and project emissions in fuels reduction project scenario (MT CO ₂ e)	0
Effective period for fuels reduction treatment (Years)		On-site carbon storage in baseline scenario (MT CO ₂ e)	0
Carbon within the treatment boundary at the end of the project with fuels reduction treatment but without fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project with fuels reduction treatment and with fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project without fuels reduction treatment and without fire disturbance (MT C)			
Carbon within the treatment boundary at the end of the project without fuels reduction treatment but with fire disturbance (MT C)			
Biomass removed via mechanical treatments (BDT)			
For applicants who choose to include the impact boundary for fuels reduction activities:			
Area within the impact boundary (acres)			
Carbon within the impact boundary at the end of the project without fire disturbance (optional) (MT C)			
Carbon within the impact boundary at the end of the project without fuels reduction treatment but with fire disturbance (optional) (MT C)			
Proportion of impact boundary likely to burn at high severity without fuels reduction treatment (optional) (%)			
Proportion of impact boundary likely to burn at high severity with fuels reduction treatment (optional) (%)			



California Air Resources Board
Calculator for the
California Department of Forestry & Fire Protection
Forest Health Grant Program
Quantification Methodology
Fiscal Year 2017-2018

Project Name:	EI Dorado Irrigation District Veg Management Project
Grant ID, if applicable:	5GG17112

GHG Summary Worksheet

GHG benefit from reforestation activities (MT CO ₂ e)	0
GHG benefit from pest management activities (MT CO ₂ e)	0
GHG benefit from fuels reduction activities (MT CO ₂ e)	12,088
GHG benefit from avoided conversion easement activities (MT CO ₂ e)	0
GHG benefit from forest management easement activities (MT CO ₂ e)	0
GHG benefit from biomass utilization activities (MT CO ₂ e)	0

Net GHG Benefit (MT CO ₂ e)	12,088
Forest Health GGRF \$ Requested (\$)	\$1,963,005
Total GGRF \$ Requested (\$)	\$1,963,005
Net GHG Benefit/Forest Health GGRF Funds Requested (MT CO ₂ e/\$)	0.01
Net GHG Benefit/GGRF \$ Requested	0.01



California Air Resources Board
Calculator for the
California Department of Forestry & Fire Protection
Forest Health Grant Program
Quantification Methodology
Fiscal Year 2017-2018

Project Name:	El Dorado Irrigation District Veg Management Project
Grant ID, if applicable:	5GG17112

Co-benefit Summary Worksheet

Key Variables Summary

Acres planted in reforestation activities (acres)	0
Acres treated in pest management activities (acres)	0
Acres impacted in pest management activities (acres)	0
Acres treated in fuels reduction activities (acres)	563
Acres impacted by fuels reduction activities (acres; if calculated)	0
Acres conserved via avoided conversion easement activities (acres)	0
Acres conserved via forest management easement activities (acres)	0
Total acreage treated (acres)	563
Total easement acreage conserved (acres)	0
Trees planted in reforestation activities (number of trees)	0
Renewable energy generated via biomass utilization activities (kWh)	0

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA /
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OPTIONS SELECTED BY INPUT

KEYWORD FILE NAME: EIDVegMP3.key

KEYWORD PARAMETERS:

COMMENT

Starting year for simulation is 2014
Ending year for simulation is 2039
Min and Max inventory years are 2014 2014
Common cycle length is 5

END

STIDENT

STAND ID= 050853grnd3016

Stand 050853grnd3016 at EID

VegMP

SCREEN PROGRESSES.

SUMMARY TABLE WILL BE PRINTED TO DATA SET REFERENCE NUMBER 6 AS RUN

STANDCN

DATA BASE CONTROL NUMBER=186010466

INVYEAR

INVENTORY YEAR= 2014

TIMEINT

ALL CYCLES; PERIOD LENGTH= 5

NUMCYCLE

NUMBER OF CYCLES= 5

DATABASE

DATABASE KEYWORDS:

DSNIN

DSN FOR INPUT CONNECTION IS FVS_Data.accdb
ODBC CONNECT STRING: DRIVER={Microsoft Access Driver (*.mdb,
*.accdb)}; DBQ=C:\FVSData\EID VegMP\FVS_Data.accdb; UID=; PWD=
CONNECTION DATA BASE TYPE: ACCESS

STANDSQL

STANDSQL COMMAND FOR INPUT CONNECTION: FVS_Data.accdb
SELECT *
FROM FVS_StandInit
WHERE Stand_CN= '%Stand_CN%'

STAND-LEVEL DATA BASE READ:
INV_YEAR: 2014
LONGITUDE: 13.0164
REGION: 5
FOREST: 8
DISTRICT: 53
COMPOSITE LOC: 508
LATITUDE: 11.9047
ASPECT: 180.0
SLOPE: 0.00

```

Camp5Flume46.out.txt
ELEVFT: 4050.0 CONVERTED TO: 40.5
BASAL_AREA_FACTOR: 73.0
INV_PLOT_SIZE: 75.
BRK_DBH: 21.0
NUM_PLOTS: 1
STK_PCNT: 1.000
DG_TRANS: 0
DG_MEASURE: 10
HTG_TRANS: 0
HTG_MEASURE: 5
MORT_MEASURE: 5
SITE_SPECIES: PSME MAPPED TO INTERNAL CODE: DF
SITE_INDEX: 80.0 FOR SPECIES: DF
FUEL_1_3_H: 1.936
FUEL_3_6_H: 1.223
FUEL_6_12_H: 3.644
FUEL_12_20_H: 35.136
FUEL_LITTER: 0.000
FUEL_DUFF: 3.333
FUEL_0_25_H: 0.386
FUEL_25_1_H: 0.580
FUEL_20_35_H: 7.757
END OF DATA BASE READ.

```

```

TREETSQL TREETSQL COMMAND FOR INPUT CONNECTION: FVS_Data.accdb
SELECT *
FROM FVS_TreeInit
WHERE Stand_CN= '%Stand_CN%'

```

```

COLUMN PROCESSING RESULTS:
STAND_CN WAS IGNORED
STAND_ID WAS IGNORED
STANDPLOT_CN WAS IGNORED
STANDPLOT_ID WAS IGNORED
PLOT_ID WAS BOUND
TREE_ID WAS BOUND
TREE_COUNT WAS BOUND
HISTORY WAS BOUND
SPECIES WAS BOUND
DBH WAS BOUND
DG WAS BOUND
HT WAS BOUND
HTG WAS BOUND
HTTOPK WAS BOUND
CRRATIO WAS BOUND
DAMAGE1 WAS BOUND
SEVERITY1 WAS BOUND
DAMAGE2 WAS BOUND
SEVERITY2 WAS BOUND
DAMAGE3 WAS BOUND
SEVERITY3 WAS BOUND
TREEVALUE WAS BOUND
PRESCRIPTION WAS BOUND
AGE WAS BOUND
SLOPE WAS BOUND
ASPECT WAS BOUND
PV_CODE WAS BOUND
TOPOCODE WAS BOUND
SITEPREP WAS BOUND
NUMBER ROWS PROCESSED: 35

```

```

END END OF DATA BASE OPTIONS.

```

THINHT DATE/CYCLE= 2014; MINIMUM HEIGHT= 0.0; MAXIMUM HEIGHT= 60.0;
PROPORTION OF SELECTED TREES REMOVED= 1.000
ALL SPECIES (CODE= 0) ARE TARGETED FOR THIS CUT.

FMIN FIRE MODEL KEYWORDS:

CARBREPT THE MAIN CARBON REPORT WILL BE PRINTED.

CARBCUT THE HARVESTED PRODUCTS REPORT WILL BE PRINTED.

CARBCALC CARBON REPORTS WILL BE BASED ON METHOD 0 (0=FFE, 1=JENKINS)
REPORT UNITS WILL BE 1 (0=US(TONS/ACRE), 1=METRIC(METRIC TONS/HA)
2=COMBINED(METRIC TONS/ACRE))

PROPORTION OF DEAD ROOTS DECAYING ANNUALLY WILL BE: 0.0425 (<0 = NO DEAD
ROOTS)

SOFTWOOD DIAMETER BREAKPOINT: 9.0
HARDWOOD DIAMETER BREAKPOINT: 11.0

END END OF FIRE MODEL OPTIONS.

SPLABEL STAND POLICY LABEL SET:
All, All_Stands, forest_type=371, Variant=CA_R5

PROCESS PROCESS THE STAND.

***** FVS09 WARNING: PLOT COUNTS DO NOT MATCH DATA ON THE DESIGN RECORD;
DESIGN RECORD DATA USED.

PLOT COUNT= 3; NONSTOCKABLE COUNT= 0

OPTIONS SELECTED BY DEFAULT

TREEFMT
(I4, T1, I7, F6.0, I1, A3, F4.1, F3.1, 2F3.0, F4.1, I1, 3(I2, I2), 2I1, I2, 2I3, 2I1, F3.0)

DESIGN BASAL AREA FACTOR= 73.0; INVERSE OF FIXED PLOT AREA= 75.0; BREAK DBH=
21.0
WEIGHT= NUMBER OF PLOTS= 1; NON-STOCKABLE PLOTS= 0; STAND SAMPLING
1.0000
PROPORTION OF STAND CONSIDERED STOCKABLE= 1.000

***** FVS14 WARNING: HABITAT/PLANT ASSOCIATION/ECOREGION CODE WAS NOT
RECOGNIZED; HABITAT/PLANT ASSOCIATION/ECOREGION SET TO DEFAULT CODE.

PLANT COMMUNITY CODE USED IN THIS PROJECTION IS UNKNOWN

STDI NFO FOREST-LOCATION CODE= 508; HABITAT TYPE= 0; AGE= 0; ASPECT
AZI MUTH I N DEGREES= 180.; SLOPE= 0.%
ELEVATION(100' S FEET)= 40.5; REFERENCE CODE=

SPECIES PC IC RC WF RF SH DF WH MH
WB

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SDI MAX 621.	592.	576.	762.	800.	1000.	1000.	570.	682.	687.
SPECI ES GP	KP	LP	CP	LM	JP	SP	WP	PP	MP
SDI MAX 214.	679.	679.	365.	409.	365.	561.	272.	365.	365.
SPECI ES WO	WJ	BR	GS	PY	OS	LO	CY	BL	EO
SDI MAX 440.	272.	412.	576.	576.	365.	667.	667.	214.	214.
SPECI ES FL	B0	VO	IO	BM	BU	RA	MA	GC	DG
SDI MAX 441.	406.	440.	667.	629.	440.	441.	515.	785.	406.
SPECI ES	WN	TO	SY	AS	CW	WI	CN	CL	OH
SDI MAX	283.	785.	499.	562.	452.	447.	576.	406.	452.

ALPHA SPECIES - FIA CODE CROSS REFERENCE:

DF= 202 ;	PC= 041 ;	IC= 081 ;	RC= 242 ;	WF= 015 ;	RF= 020 ;	SH= 021 ;
	WH= 263 ;	MH= 264				
SP= 117 ;	WB= 101 ;	KP= 103 ;	LP= 108 ;	CP= 109 ;	LM= 113 ;	JP= 116 ;
	WP= 119 ;	PP= 122				
OS= 298 ;	MP= 124 ;	GP= 127 ;	WJ= 064 ;	BR= 092 ;	GS= 212 ;	PY= 231 ;
	LO= 801 ;	CY= 805				
BM= 312 ;	BL= 807 ;	EO= 811 ;	WO= 815 ;	B0= 818 ;	VO= 821 ;	IO= 839 ;
	BU= 333 ;	RA= 351				
SY= 730 ;	MA= 361 ;	GC= 431 ;	DG= 492 ;	FL= 542 ;	WN= 600 ;	TO= 631 ;
	AS= 746 ;	CW= 747				
	WI = 920 ;	CN= 251 ;	CL= 981 ;	OH= 998		

NATIONAL VOLUME ESTIMATOR LIBRARY EQUATION NUMBERS

SPECIES CUBIC FOOT	BOARD FOOT	SPECIES CUBIC FOOT	BOARD FOOT	SPECIES CUBIC FOOT	BOARD FOOT
FOOT SPECIES CUBIC	FOOT BOARD	FOOT		FOOT	
PC 500W02W081	500W02W081	IC 532W02W081	532W02W081	RC 500W02W081	
500W02W081	WF 532W02W015	532W02W015			
RF 532W02W020	532W02W020	SH 500W02W020	500W02W020	DF 532W02W202	
532W02W202	WH 500W02W015	500W02W015			
MH 500W02W015	500W02W015	WB 500W02W108	500W02W108	KP 500W02W108	
500W02W108	LP 532W02W108	532W02W108			
CP 500W02W108	500W02W108	LM 500W02W108	500W02W108	JP 500W02W116	
500W02W116	SP 532W02W117	532W02W117			
WP 500W02W117	500W02W117	PP 532W02W122	532W02W122	MP 500W02W108	
500W02W108	GP 500W02W108	500W02W108			
WJ 500DVEW060	500DVEW060	BR 500W02W015	500W02W015	GS 500DVEW212	
500DVEW212	PY 500W02W108	500W02W108			
OS 500W02W108	500W02W108	LO 500DVEW801	500DVEW801	CY 500DVEW805	
500DVEW805	BL 500DVEW807	500DVEW807			
EO 500DVEW811	500DVEW811	WO 500DVEW815	500DVEW815	B0 500DVEW818	
500DVEW818	VO 500DVEW821	500DVEW821			
IO 500DVEW839	500DVEW839	BM 500DVEW312	500DVEW312	BU 500DVEW807	
500DVEW807	RA 500DVEW351	500DVEW351			
MA 500DVEW361	500DVEW361	GC 500DVEW431	500DVEW431	DG 500DVEW807	
500DVEW807	FL 500DVEW807	500DVEW807			
WN 500DVEW818	500DVEW818	TO 500DVEW631	500DVEW631	SY 500DVEW818	
500DVEW818	AS 500DVEW818	500DVEW818			
CW 500DVEW818	500DVEW818	WI 500DVEW807	500DVEW807	CN 500DVEW807	
500DVEW807	CL 500DVEW981	500DVEW981			

OH 500DVEW801 500DVEW801

SITE CODE SITE INDEX INFORMATION:

DF= 80.; PC= 72.; IC= 61.; RC= 72.; WF= 80.; RF= 80.; SH= 80.;
 WH= 72.; MH= 72.;
 SP= 80.; WB= 72.; KP= 72.; LP= 72.; CP= 72.; LM= 72.; JP= 80.;
 WP= 72.; PP= 80.;
 OS= 72.; MP= 72.; GP= 72.; WJ= 61.; BR= 61.; GS= 80.; PY= 61.;
 LO= 46.; CY= 46.;
 BM= 46.; BL= 46.; EO= 46.; WO= 46.; BO= 46.; VO= 46.; IO= 46.;
 BU= 46.; RA= 46.;
 SY= 46.; MA= 46.; GC= 46.; DG= 46.; FL= 46.; WN= 46.; TO= 46.;
 AS= 46.; CW= 46.;
 WI= 46.; CN= 46.; CL= 46.; OH= 46.
 SITE SPECIES=DF CODE= 7

INVENTORY POINT CROSS REFERENCE (FVS SEQUENTIAL POINT NUMBER = POINT NUMBER AS ENTERED IN THE INPUT DATA):

1= 130

ACTIVITY SCHEDULE

STAND ID= 050853grnd3016
 VegMP

MGMT ID= NONE Stand 050853grnd3016 at EID

CYCLE DATE EXTENSION KEYWORD DATE PARAMETERS:

CYCLE	DATE	EXTENSION	KEYWORD	DATE	PARAMETERS:
1	2014				
	35.1360	FIRE 0.0000	FUELINIT 3.3330	2014 0.3864	-1.0000 1.9360 1.2230 3.6440
	0.0000	BASE 0.0000	THINHT	2014	0.5796 7.7568 -1.0000 -1.0000 0.0000 60.0000 1.0000 0.0000
2	2019				
3	2024				
4	2029				
5	2034				

CALIBRATION STATISTICS:

	WF	DF	BO	PP	IC
NUMBER OF RECORDS PER SPECIES	7	15	1	5	7
NUMBER OF RECORDS CODED AS RECENT MORTALITY	1	0	0	0	0
NUMBER OF RECORDS WITH MISSING HEIGHTS	6	11	1	2	6

NUMBER OF RECORDS WITH BROKEN OR DEAD TOPS	0	0	0	0	0
NUMBER OF RECORDS WITH MISSING CROWN RATIOS	0	0	0	0	0
NUMBER OF RECORDS AVAILBLE FOR SCALING THE DIAMETER INCREMENT MODEL	0	2	0	3	0
RATIO OF STANDARD ERRORS (INPUT DBH GROWTH DATA : MODEL)	1.00	1.00	1.00	1.00	1.00
WEIGHT GIVEN TO THE INPUT GROWTH DATA WHEN DBH GROWTH MODEL SCALE FACTORS WERE COMPUTED	0.00	0.00	0.00	0.00	0.00
INITIAL SCALE FACTORS FOR THE DBH INCREMENT MODEL	1.00	1.00	1.00	1.00	1.00
NUMBER OF RECORDS AVAILBLE FOR SCALING THE SMALL TREE HEIGHT INCREMENT MODEL	0	1	0	0	0
INITIAL SCALE FACTORS FOR THE SMALL TREE HEIGHT INCREMENT MODEL	1.00	1.00	1.00	1.00	1.00
NUMBER OF RECORDS WITH MISTLETOE	0	0	0	0	0

WARNING: INITIAL STAND STOCKING OF 159613.8 TREES/ACRE IS MORE THAN 5% ABOVE THE UPPER LIMIT OF 2125.1 TREES/ACRE.
UPPER LIMIT IS BASED ON A SDI MAXIMUM OF 560.3 AND AN UPPER BOUND OF 85.0 PERCENT OF MAXIMUM.
MAXIMUM SDI BEING RESET TO 42083.3 FOR FURTHER PROCESSING.

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA / SOUTHERN CASCADES RV: 20190307 06-06-2019 16:57:09

STAND ID: 050853grnd3016 MGMT ID: NONE Stand 050853grnd3016 at EID VegMP

STAND COMPOSITION (BASED ON STOCKABLE AREA)

STAND DISTRIBUTION OF STAND ATTRIBUTES BY YEAR ATTRIBUTES SPECIES AND 3 USER-DEFINED	PERCENTILE POINTS IN THE DISTRIBUTION OF STAND ATTRIBUTES BY DBH						TOTAL/ACRE OF STAND ATTRIBUTES
	10	30	50	70	90	100	
2014 TREES	1.9	2.4	2.9	3.3	5.7	50.2	159614. TREES
18. % DF3, 15. % PP1,	14. % IC3,	14. % WF1					
VOLUME: TOTAL	3.3	7.0	14.0	21.6	42.5	50.2	303921. CUFT

(DBH IN INCHES)

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25. %	PP2, 16. % DF3, MERCH	13. % WF3, 14.0	11. % PP1, 20.9	30.0	43.3	50.2	177232.	CUFT
39. %	PP2, 20. % WF3, MERCH	11. % DF2, 14.0	11. % DF3, 20.9	21.6	34.7	44.4	50.2	815475. BDFT
35. %	PP2, 15. % WF3,	15. % DF2,	13. % DF1					
23. %	REMOVAL IC3, 17. % PP1, VOLUME: TOTAL	1.7 2.2 16. % DF3,	3.0 3.7 15. % IC2	5.7	5.7	6.3	6.3	7.0 99999. TREES
42. %	PP1, 25. % WF2, MERCH	15. % DF3, 7.0	5. % IC3, 7.0	7.0	7.0	7.0	7.0	80948. CUFT
100. %	DF3, 0. % ---, MERCH	0. % ---, 7.0	0. % ---, 7.0	0. % ---, 7.0	7.0	7.0	7.0	1482. CUFT
100. %	DF3, 0. % ---,	0. % ---,	0. % ---					11396. BDFT
25. %	RESI DUAL WF1, 20. % DF3,	1.9 2.4 15. % WF3,	2.5 2.8 13. % DF2	7.0	7.0	50.2	59615.	TREES
30. %	ACCRETI ON DF3, 17. % WF3, MORTALI TY	2.5 7.0 14. % PP2,	7.0 14.0 12. % DF1	22.2	50.2	1396.	CUFT/YR	
32. %	PP2, 27. % DF3,	2.7 7.0 25. % WF3,	14.0 20.9 6. % WF1	21.6	50.2	1165.	CUFT/YR	
2019	TREES	2.2 2.6	2.8 2.9	7.0	50.4	54365.	TREES	
26. %	WF1, 21. % DF3, VOLUME: TOTAL	15. % WF3, 7.0	13. % DF1, 14.0	20.9	22.2	43.5	50.4	224130. CUFT
33. %	PP2, 18. % WF3, MERCH	17. % DF3, 14.0	10. % DF2, 20.9	20.9	30.1	43.6	50.4	177139. CUFT
38. %	PP2, 20. % WF3, MERCH	12. % DF2, 14.0	11. % DF3, 20.9	21.6	34.7	44.5	50.4	797299. BDFT
35. %	PP2, 15. % WF3,	15. % DF2,	13. % DF1					
36. %	ACCRETI ON DF3, 30. % WF3, MORTALI TY	2.5 2.9 14. % PP2,	14.0 20.9 9. % PP1	30.1	50.4	1197.	CUFT/YR	
34. %	PP2, 26. % DF3,	2.8 7.0 24. % WF3,	14.0 20.9 5. % WF1	21.6	50.4	1478.	CUFT/YR	
2024	TREES	2.4 2.7	2.8 2.9	7.0	50.6	49115.	TREES	
26. %	WF1, 21. % DF3, VOLUME: TOTAL	15. % WF3, 7.0	13. % DF1, 14.0	20.9	22.2	43.7	50.6	222726. CUFT
33. %	PP2, 18. % WF3, MERCH	17. % DF3, 14.0	10. % DF2, 20.9	20.9	30.3	43.8	50.6	175444. CUFT
38. %	PP2, 19. % WF3, MERCH	12. % DF2, 14.0	12. % DF3, 20.9	21.6	34.8	44.6	50.6	796313. BDFT
35. %	PP2, 15. % DF2,	15. % WF3,	13. % DF1					
32. %	ACCRETI ON DF3, 17. % WF1, MORTALI TY	2.8 3.1 16. % WF3,	7.0 14.0 12. % PP2	22.2	50.6	1396.	CUFT/YR	
35. %	PP2, 25. % DF3,	2.8 7.0 25. % WF3,	14.0 20.9 5. % WF1	21.6	50.6	1769.	CUFT/YR	

Camp5Flume46.out.txt

2029 TREES	2.5	2.8	2.9	2.9	7.0	50.8	43865.	TREES
26. % WF1, 21. % DF3,	15. % WF3,	13. % DF1						
VOLUME:								
TOTAL	7.0	14.0	20.9	22.3	43.8	50.8	220859.	CUFT
32. % PP2, 18. % WF3,	17. % DF3,	11. % DF2						
MERCH	14.0	20.9	21.6	30.5	44.2	50.8	171291.	CUFT
38. % PP2, 19. % WF3,	12. % DF2,	12. % DF3						
MERCH	14.0	20.9	21.6	34.8	44.7	50.8	842191.	BDFT
36. % PP2, 16. % WF3,	15. % DF2,	13. % DF1						
ACCRETION	2.8	3.1	14.0	20.9	30.5	50.8	1021.	CUFT/YR
28. % WF3, 27. % DF3,	15. % PP2,	12. % DF2						
MORTALITY	2.9	7.0	14.0	20.9	21.6	50.8	2035.	CUFT/YR
35. % PP2, 25. % DF3,	24. % WF3,	5. % WF1						

2034 TREES	2.7	2.8	2.9	2.9	7.0	50.9	38615.	TREES
27. % WF1, 21. % DF3,	16. % WF3,	12. % DF1						
VOLUME:								
TOTAL	7.0	14.0	20.9	22.3	43.9	50.9	215789.	CUFT
32. % PP2, 18. % WF3,	17. % DF3,	11. % DF2						
MERCH	14.0	20.9	21.6	30.6	44.7	50.9	168274.	CUFT
37. % PP2, 18. % WF3,	12. % DF2,	12. % DF3						
MERCH	14.0	20.9	21.6	34.8	44.8	50.9	815587.	BDFT
35. % PP2, 16. % WF3,	15. % DF2,	13. % DF1						
ACCRETION	2.9	7.0	14.0	20.9	30.6	50.9	938.	CUFT/YR
34. % DF3, 21. % WF3,	14. % PP2,	12. % DF1						
MORTALITY	2.9	7.0	14.0	20.9	21.6	50.9	2344.	CUFT/YR
35. % PP2, 24. % WF3,	24. % DF3,	5. % WF1						

2039 TREES	2.7	2.9	2.9	3.0	7.0	51.2	33365.	TREES
27. % WF1, 22. % DF3,	16. % WF3,	12. % DF1						
VOLUME:								
TOTAL	7.0	14.0	20.9	22.3	44.2	51.2	208763.	CUFT
31. % PP2, 17. % WF3,	17. % DF3,	11. % DF2						
MERCH	14.0	20.9	21.6	31.0	44.9	51.2	162892.	CUFT
36. % PP2, 18. % WF3,	13. % DF2,	12. % DF3						
MERCH	14.0	20.9	21.6	34.9	45.0	51.2	814551.	BDFT
35. % PP2, 16. % WF3,	15. % DF2,	13. % DF1						

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA /
SOUTHERN CASCADES RV: 20190307 06-06-2019 16:57:10

STAND ID: 050853grnd3016 MGMT ID: NONE Stand 050853grnd3016 at EID VegMP

ATTRIBUTES OF SELECTED SAMPLE TREES ADDITIONAL
STAND ATTRIBUTES (BASED ON STOCKABLE AREA)

INITIAL LIVE PAST DBH BASAL TREES

QUADRATIC MEAN DBH YEAR (INCHES)	TREES TREES/A PER %TILE ACRE	BASAL DBH AREA (SQFT/A)	TOP HEIGHT LARGEST 40/A (FT)	HEIGHT CROWN RATIO COMP FACTOR	GROWTH (INCHES)	AREA %TILE	PER ACRE	STAND AGE
---	--	----------------------------------	--	--	--------------------	---------------	-------------	--------------

2014 (10 YRS)

10	DF2	1.90	13.23	80	0.00	1.9	7500.00	
30	PP1	2.40	9.07	40	0.00	6.9	7500.00	
50	WF1	2.90	14.52	40	0.00	14.3	7500.00	
70	DF3	3.30	31.00	70	1.40	23.9	7500.00	
90	PP1	5.70	37.00	50	1.00	48.3	8464.99	
100	DF1	50.20	161.79	40	0.84	100.0	7.73	

4.3 ***** 155.4 *****
 5.1 59615. 8556. 155.4 7121.4
 RESI DUAL:

2019 ** (5 YRS)

10	DF2	2.20	15.50	76	0.27	2.1	6694.11	
30	PP1	2.44	9.42	38	0.03	3.6	6524.30	
50	WF1	2.68	15.20	67	0.14	9.9	6887.09	
70	DF3	2.86	18.52	76	0.05	17.3	6851.87	
90	DF3	7.00	49.94	53	0.00	32.3	4196.68	
100	DF1	50.33	161.84	40	0.11	99.7	7.72	

5.3 54365. 8375. 155.8 6821.7 5

2024 (5 YRS)

10	DF2	2.43	17.91	72	0.21	2.3	5914.46	
30	PP1	2.49	9.94	36	0.04	3.8	5557.82	
50	WF1	2.76	17.49	64	0.07	8.8	6273.73	
70	DF3	2.89	21.19	72	0.03	17.7	6207.61	
90	DF3	7.00	53.94	56	0.00	29.2	3893.14	
100	DF1	50.44	161.89	40	0.10	99.5	7.71	

5.5 49115. 8072. 156.2 6415.9 10

2029 (5 YRS)

10	DF2	2.57	20.34	68	0.13	4.2	5157.31	
30	PP1	2.53	10.34	34	0.03	0.8	4658.98	
50	WF1	2.82	19.91	61	0.05	8.7	5644.27	
70	DF3	2.92	23.94	68	0.02	16.9	5564.53	
90	DF3	7.00	57.81	58	0.00	28.2	3560.77	
100	DF1	50.59	161.94	40	0.13	99.4	7.69	

5.7 43865. 7692. 156.6 5946.5 15

2034 (5 YRS)

10	DF2	2.67	23.00	65	0.09	3.9	4433.38	
30	PP1	2.57	10.84	32	0.03	0.7	3781.94	
50	WF1	2.87	22.53	58	0.04	8.3	5007.59	
70	DF3	2.94	26.74	65	0.02	15.7	4910.19	
90	DF3	7.00	61.46	59	0.00	25.9	3213.78	
100	DF1	50.76	161.99	40	0.15	99.6	7.68	

20 20

5. 9 38615. 7259. Camp5Fl ume46. out. txt
157. 0 5435. 5

2039 (5 YRS)

10	DF2	2. 76	25. 79	62	0. 07	3. 9	3725. 26
30	PP1	2. 61	11. 39	31	0. 03	0. 6	2981. 37
50	WF1	2. 91	25. 23	55	0. 03	7. 8	4360. 43
70	DF3	2. 96	29. 74	62	0. 01	15. 2	4240. 57
90	DF3	7. 00	64. 35	60	0. 00	23. 5	2841. 10
100	DF1	51. 00	162. 04	40	0. 20	99. 7	7. 66

25

6. 1 33365. 6774. 157. 3 4890. 9

** NOTE: DUE TO HARVEST, COMPRESSION, OR REGENERATION ESTABLISHMENT, NEW SAMPLE TREES WERE SELECTED.

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA / SOUTHERN CASCADES RV: 20190307 06-06-2019 16: 57: 10

STAND POLICIES: All, All_Stands, forest_type=371, Variant=CA_R5

STAND ID: 050853grnd3016 MGMT ID: NONE Stand 050853grnd3016 at EID VegMP

SUMMARY STATISTICS (PER ACRE OR STAND BASED ON TOTAL

STAND AREA)

START OF SIMULATION PERIOD										REMOVALS											
AFTER TREATMENT					GROWTH THIS PERIOD																
										MAI											
NO OF		TOP		TOTAL MERCH		MERCH		NO OF		TOTAL MERCH		MERCH									
YEAR	AGE	TREES	BA	SDI	CCF	HT	QMD	CU	FT	CU	FT	BD	FT	TREES	CU	FT	CU	FT	BD	FT	BA
SDI	CCF	HT	QMD	YEARS	PER	YEAR	CU	FT	TYP	ZT											
2014	0159614****35771****	155	4. 3303921177232815475	99999	80948	1482															
113968556158117121	155	5. 1	5	1396	1165	0. 0	371	21													
2019	5 543658375153886822	156	5. 3224130177139797299	0	0	0															
08375153886822	156	5. 3	5	1197	1478	0. 0	371	11													
2024	10 491158072146906416	156	5. 5222726175444796313	0	0	0															
08072146906416	156	5. 5	5	1396	1769	0. 0	371	11													
2029	15 438657692138275946	157	5. 7220859171291842191	0	0	0															
07692138275946	157	5. 7	5	1021	2035	0. 0	371	11													
2034	20 386157259128535436	157	5. 9215789168274815587	0	0	0															
07259128535436	157	5. 9	5	938	2344	0. 0	371	11													
2039	25 333656774117844891	157	6. 1208763162892814551	0	0	0															
06774117844891	157	6. 1	0	0	0	0. 0	371	11													

ACTIVITY SUMMARY

STAND ID= 050853grnd3016 MGMT ID= NONE Stand 050853grnd3016 at EID VegMP

CYCLE	DATE	EXTENSION	KEYWORD	DATE	ACTIVITY DISPOSITION	PARAMETERS:
1	2014					
1.0000		BASE 0.0000	THINHT 0.0000	2014	DONE IN 2014 0.0000	0.0000 60.0000
1.2230		FIRE 3.6440	FUELINIT 35.1360	2014	DONE IN 2014 0.0000	-1.0000 1.9360
0.5796		7.7568	-1.0000	-1.0000		3.3330 0.3864
2	2019					
3	2024					
4	2029					
5	2034					

***** CARBON REPORT VERSION 1.0 *****
STAND CARBON REPORT (BASED ON STOCKABLE

AREA)

ALL VARIABLES ARE REPORTED IN METRIC TONS/HECTARE

STAND ID: 050853grnd3016

MGMT ID: NONE

Total	Aboveground		Belowground		Forest			
	Total	Live Carbon	Live	Dead	Stand	DDW	Floor	Shb/Hrb
Stand YEAR	Removed Total Carbon	Released Merch from Fire	Live	Dead	Dead	DDW	Floor	Shb/Hrb
2014	4708.8	2537.0	1213.3	753.5	218.1	724.7	427.9	0.4
8046.7	1114.1	0.0						
2019	4685.8	2562.0	1192.8	643.7	329.2	705.7	142.7	0.4
7700.2	0.0	0.0						
2024	4604.2	2541.2	1159.9	562.1	408.3	756.9	144.5	0.4
7636.2	0.0	0.0						
2029	4515.2	2485.9	1118.3	502.1	468.0	835.4	147.1	0.4
7586.4	0.0	0.0						
2034	4368.8	2447.0	1070.4	458.1	517.2	933.0	149.1	0.4
7497.1	0.0	0.0						

***** CARBON REPORT VERSION 1.0 *****
HARVESTED PRODUCTS REPORT (BASED ON STOCKABLE

AREA)

ALL VARIABLES ARE REPORTED IN METRIC TONS/HECTARE

STAND ID: 050853grnd3016

MGMT ID: NONE

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YEAR	Prducts	Lndfi II	Energy	Emi ssns	Stored	Removed
2014	16.1	0.0	4.0	3.7	16.1	23.8
2019	12.4	1.7	5.0	4.7	14.1	23.8
2024	10.1	2.8	5.6	5.4	12.9	23.8
2029	8.7	3.4	6.0	5.8	12.1	23.8
2034	7.7	3.8	6.2	6.1	11.5	23.8

OPTIONS SELECTED BY INPUT

KEYWORD FILE NAME: EIDVegMP.key

KEYWORD PARAMETERS:

COMMENT

Starting year for simulation is 2019
Ending year for simulation is 2039
Min and Max inventory years are 2014 2014
Common cycle length is 5

END

STIDENT

STAND ID= 050853grnd3005

Stand 050853grnd3005 at EID

VegMP

SCREEN PROGRESSES.

SUMMARY TABLE WILL BE PRINTED TO DATA SET REFERENCE NUMBER 6 AS RUN

STANDCN

DATA BASE CONTROL NUMBER=119010466

INVYEAR

INVENTORY YEAR= 2014

TIMEINT

ALL CYCLES; PERIOD LENGTH= 5

NUMCYCLE

NUMBER OF CYCLES= 5

DATABASE

DATABASE KEYWORDS:

DSNIN

DSN FOR INPUT CONNECTION IS FVS_Data.accdb
ODBC CONNECT STRING: DRIVER={Microsoft Access Driver (*.mdb,
*.accdb)}; DBQ=C:\FVSData\EID VegMP\FVS_Data.accdb; UID=; PWD=
CONNECTION DATA BASE TYPE: ACCESS

STANDSQL

STANDSQL COMMAND FOR INPUT CONNECTION: FVS_Data.accdb
SELECT *
FROM FVS_StandInit
WHERE Stand_CN= '%Stand_CN%'

STAND-LEVEL DATA BASE READ:
INV_YEAR: 2014
LONGITUDE: 13.0164
REGION: 5
FOREST: 8
DISTRICT: 53
COMPOSITE LOC: 508
LATITUDE: 10.9047
ASPECT: 270.0
SLOPE: 0.00

SlyPark.out.txt
 ELEVFT: 3500.0 CONVERTED TO: 35.0
 BASAL_AREA_FACTOR: 177.0
 INV_PLOT_SIZE: 118.
 BRK_DBH: 21.0
 NUM_PLOTS: 1
 STK_PCNT: 1.000
 DG_TRANS: 0
 DG_MEASURE: 10
 HTG_TRANS: 0
 HTG_MEASURE: 5
 MORT_MEASURE: 5
 SITE_SPECIES: PSME MAPPED TO INTERNAL CODE: DF
 SITE_INDEX: 80.0 FOR SPECIES: DF
 FUEL_1_3_H: 2.299
 FUEL_3_6_H: 0.724
 FUEL_6_12_H: 1.522
 FUEL_12_20_H: 33.528
 FUEL_LITTER: 0.000
 FUEL_DUFF: 5.500
 FUEL_0_25_H: 0.266
 FUEL_25_1_H: 0.400
 FUEL_20_35_H: 1.676
 END OF DATA BASE READ.

TREESQL TREESQL COMMAND FOR INPUT CONNECTION: FVS_Data.accdb
 SELECT *
 FROM FVS_TreeInit
 WHERE Stand_CN= '%Stand_CN%'

COLUMN PROCESSING RESULTS:
 STAND_CN WAS IGNORED
 STAND_ID WAS IGNORED
 STANDPLOT_CN WAS IGNORED
 STANDPLOT_ID WAS IGNORED
 PLOT_ID WAS BOUND
 TREE_ID WAS BOUND
 TREE_COUNT WAS BOUND
 HI STORY WAS BOUND
 SPECIES WAS BOUND
 DBH WAS BOUND
 DG WAS BOUND
 HT WAS BOUND
 HTG WAS BOUND
 HTTPK WAS BOUND
 CRRATIO WAS BOUND
 DAMAGE1 WAS BOUND
 SEVERITY1 WAS BOUND
 DAMAGE2 WAS BOUND
 SEVERITY2 WAS BOUND
 DAMAGE3 WAS BOUND
 SEVERITY3 WAS BOUND
 TREEVALUE WAS BOUND
 PRESCRIPTION WAS BOUND
 AGE WAS BOUND
 SLOPE WAS BOUND
 ASPECT WAS BOUND
 PV_CODE WAS BOUND
 TOPOCODE WAS BOUND
 SITEPREP WAS BOUND
 NUMBER ROWS PROCESSED: 84

END END OF DATA BASE OPTIONS.

THINHT DATE/CYCLE= 2014; MINIMUM HEIGHT= 0.0; MAXIMUM HEIGHT= 999.0;
 PROPORTION OF SELECTED TREES REMOVED= 1.000
 ALL SPECIES (CODE= 0) ARE TARGETED FOR THIS CUT.

FMIN FIRE MODEL KEYWORDS:

CARBREPT THE MAIN CARBON REPORT WILL BE PRINTED.

CARBCUT THE HARVESTED PRODUCTS REPORT WILL BE PRINTED.

CARBCALC CARBON REPORTS WILL BE BASED ON METHOD 0 (0=FFE, 1=JENKINS)
 REPORT UNITS WILL BE 1 (0=US(TONS/ACRE), 1=METRIC(METRIC TONS/HA)
 2=COMBINED(METRIC TONS/ACRE))

PROPORTION OF DEAD ROOTS DECAYING ANNUALLY WILL BE: 0.0425 (<0 = NO DEAD
 ROOTS)

SOFTWOOD DIAMETER BREAKPOINT: 9.0
 HARDWOOD DIAMETER BREAKPOINT: 11.0

END END OF FIRE MODEL OPTIONS.

SPLABEL STAND POLICY LABEL SET:
 All, All_Stands, forest_type=371, Variant=CA_R5

PROCESS PROCESS THE STAND.

***** FVS09 WARNING: PLOT COUNTS DO NOT MATCH DATA ON THE DESIGN RECORD;
 DESIGN RECORD DATA USED.

PLOT COUNT= 8; NONSTOCKABLE COUNT= 0

 OPTIONS SELECTED BY DEFAULT

TREEFMT
 (I4, T1, I7, F6.0, I1, A3, F4.1, F3.1, 2F3.0, F4.1, I1, 3(I2, I2), 2I1, I2, 2I3, 2I1, F3.0)

DESIGN BASAL AREA FACTOR= 177.0; INVERSE OF FIXED PLOT AREA= 118.0; BREAK DBH=
 21.0
 NUMBER OF PLOTS= 1; NON-STOCKABLE PLOTS= 0; STAND SAMPLING
 WEIGHT= 1.0000
 PROPORTION OF STAND CONSIDERED STOCKABLE= 1.000

***** FVS14 WARNING: HABITAT/PLANT ASSOCIATION/ECOREGION CODE WAS NOT
 RECOGNIZED; HABITAT/PLANT ASSOCIATION/ECOREGION SET TO DEFAULT CODE.

PLANT COMMUNITY CODE USED IN THIS PROJECTION IS UNKNOWN

STDINFO FOREST-LOCATION CODE= 508; HABITAT TYPE= 0; AGE= 0; ASPECT
 AZIMUTH IN DEGREES= 270.; SLOPE= 0.0%
 ELEVATION(100' S FEET)= 35.0; REFERENCE CODE=

SPECIES	PC	IC	RC	WF	RF	SH	DF	WH	MH
WB									
SDI MAX	592.	576.	762.	800.	1000.	1000.	570.	682.	687.

SlyPark.out.txt

621.

SPECIES GP SDI MAX 214.	KP	LP	CP	LM	JP	SP	WP	PP	MP
	679.	679.	365.	409.	365.	561.	272.	365.	365.
SPECIES WO SDI MAX 440.	WJ	BR	GS	PY	OS	LO	CY	BL	EO
	272.	412.	576.	576.	365.	667.	667.	214.	214.
SPECIES FL SDI MAX 441.	B0	VO	IO	BM	BU	RA	MA	GC	DG
	406.	440.	667.	629.	440.	441.	515.	785.	406.
SPECIES SDI MAX	WN	TO	SY	AS	CW	WI	CN	CL	OH
	283.	785.	499.	562.	452.	447.	576.	406.	452.

ALPHA SPECIES - FIA CODE CROSS REFERENCE:

DF= 202 ;	PC= 041 ;	IC= 081 ;	RC= 242 ;	WF= 015 ;	RF= 020 ;	SH= 021 ;
SP= 117 ;	WH= 263 ;	MH= 264	WB= 101 ;	KP= 103 ;	LP= 108 ;	CP= 109 ;
OS= 298 ;	MP= 124 ;	GP= 127 ;	WJ= 064 ;	BR= 092 ;	GS= 212 ;	PY= 231 ;
BM= 312 ;	LO= 801 ;	CY= 805	BL= 807 ;	EO= 811 ;	WO= 815 ;	B0= 818 ;
SY= 730 ;	BU= 333 ;	RA= 351	MA= 361 ;	GC= 431 ;	DG= 492 ;	FL= 542 ;
	AS= 746 ;	CW= 747	WI= 920 ;	CN= 251 ;	CL= 981 ;	OH= 998

NATIONAL VOLUME ESTIMATOR LIBRARY EQUATION NUMBERS

SPECIES CUBIC FOOT FOOT SPECIES CUBIC	BOARD FOOT FOOT BOARD	SPECIES CUBIC FOOT FOOT	BOARD FOOT FOOT	SPECIES CUBIC FOOT FOOT	BOARD FOOT FOOT	SPECIES CUBIC FOOT FOOT	BOARD FOOT FOOT
PC 500W02W081	500W02W081	IC 532W02W081	532W02W081	RC 500W02W081			
500W02W081 WF	532W02W015	532W02W015					
RF 532W02W020	532W02W020	SH 500W02W020	500W02W020	DF 532W02W202			
532W02W202 WH	500W02W015	500W02W015					
MH 500W02W015	500W02W015	WB 500W02W108	500W02W108	KP 500W02W108			
500W02W108 LP	532W02W108	532W02W108					
CP 500W02W108	500W02W108	LM 500W02W108	500W02W108	JP 500W02W116			
500W02W116 SP	532W02W117	532W02W117					
WP 500W02W117	500W02W117	PP 532W02W122	532W02W122	MP 500W02W108			
500W02W108 GP	500W02W108	500W02W108					
WJ 500DVEW060	500DVEW060	BR 500W02W015	500W02W015	GS 500DVEW212			
500DVEW212 PY	500W02W108	500W02W108					
OS 500W02W108	500W02W108	LO 500DVEW801	500DVEW801	CY 500DVEW805			
500DVEW805 BL	500DVEW807	500DVEW807					
EO 500DVEW811	500DVEW811	WO 500DVEW815	500DVEW815	B0 500DVEW818			
500DVEW818 VO	500DVEW821	500DVEW821					
IO 500DVEW839	500DVEW839	BM 500DVEW312	500DVEW312	BU 500DVEW807			
500DVEW807 RA	500DVEW351	500DVEW351					
MA 500DVEW361	500DVEW361	GC 500DVEW431	500DVEW431	DG 500DVEW807			
500DVEW807 FL	500DVEW807	500DVEW807					
WN 500DVEW818	500DVEW818	TO 500DVEW631	500DVEW631	SY 500DVEW818			
500DVEW818 AS	500DVEW818	500DVEW818					
CW 500DVEW818	500DVEW818	WI 500DVEW807	500DVEW807	CN 500DVEW807			
500DVEW807 CL	500DVEW981	500DVEW981					
OH 500DVEW801	500DVEW801						

SlyPark.out.txt

SITE CODE SITE INDEX INFORMATION:

DF= 80.; PC= 72.; IC= 61.; RC= 72.; WF= 80.; RF= 80.; SH= 80.;
 WH= 72.; MH= 72.;
 SP= 80.; WB= 72.; KP= 72.; LP= 72.; CP= 72.; LM= 72.; JP= 80.;
 WP= 72.; PP= 80.;
 OS= 72.; MP= 72.; GP= 72.; WJ= 61.; BR= 61.; GS= 80.; PY= 61.;
 LO= 46.; CY= 46.;
 BM= 46.; BL= 46.; EO= 46.; WO= 46.; BO= 46.; VO= 46.; IO= 46.;
 BU= 46.; RA= 46.;
 SY= 46.; MA= 46.; GC= 46.; DG= 46.; FL= 46.; WN= 46.; TO= 46.;
 AS= 46.; CW= 46.;
 WI= 46.; CN= 46.; CL= 46.; OH= 46.
 SITE SPECIES=DF CODE= 7

INVENTORY POINT CROSS REFERENCE (FVS SEQUENTIAL POINT NUMBER = POINT NUMBER AS ENTERED IN THE INPUT DATA):

1= 121

ACTIVITY SCHEDULE

STAND ID= 050853grnd3005
 VegMP

MGMT ID= NONE Stand 050853grnd3005 at EID

CYCLE DATE EXTENSION KEYWORD DATE PARAMETERS:

CYCLE	DATE	EXTENSION	KEYWORD	DATE	PARAMETERS:
1	2014				
		FIRE	FUELINIT	2014	-1.0000 2.2990 0.7240 1.5220
	33.5280	0.0000	5.5000	0.2664	
		BASE	THINHT	2014	0.3996 1.6764 -1.0000 -1.0000
	0.0000	0.0000			0.0000 999.0000 1.0000 0.0000
2	2019				
3	2024				
4	2029				
5	2034				

CALIBRATION STATISTICS:

	DF	IC	PP	CY	SP	WF
NUMBER OF RECORDS PER SPECIES	52	9	12	3	7	1
NUMBER OF RECORDS CODED AS RECENT MORTALITY	2	0	0	0	0	0
NUMBER OF RECORDS WITH MISSING HEIGHTS	39	6	7	3	7	1
NUMBER OF RECORDS WITH BROKEN OR DEAD TOPS	1	0	0	0	0	0

SlyPark.out.txt

NUMBER OF RECORDS WITH MISSING CROWN RATIOS	0	0	0	0	0	0
NUMBER OF RECORDS AVAILABLE FOR SCALING THE DIAMETER INCREMENT MODEL	4	0	4	0	0	0
RATIO OF STANDARD ERRORS (INPUT DBH GROWTH DATA : MODEL)	1.00	1.00	1.00	1.00	1.00	1.00
WEIGHT GIVEN TO THE INPUT GROWTH DATA WHEN DBH GROWTH MODEL SCALE FACTORS WERE COMPUTED	0.00	0.00	0.00	0.00	0.00	0.00
INITIAL SCALE FACTORS FOR THE DBH INCREMENT MODEL	1.00	1.00	1.00	1.00	1.00	1.00
NUMBER OF RECORDS AVAILABLE FOR SCALING THE SMALL TREE HEIGHT INCREMENT MODEL	4	0	0	0	0	0
INITIAL SCALE FACTORS FOR THE SMALL TREE HEIGHT INCREMENT MODEL	1.00	1.00	1.00	1.00	1.00	1.00
NUMBER OF RECORDS WITH MISTLETOE	0	0	0	0	0	0

WARNING: INITIAL STAND STOCKING OF 413273.3 TREES/ACRE IS MORE THAN 5% ABOVE THE
UPPER LIMIT OF 1390.3 TREES/ACRE.
UPPER LIMIT IS BASED ON A SDI MAXIMUM OF 544.4 AND AN UPPER BOUND OF
85.0 PERCENT OF MAXIMUM.
MAXIMUM SDI BEING RESET TO 161822.2 FOR FURTHER PROCESSING.

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA /
SOUTHERN CASCADES RV: 20190307 06-06-2019 16:55:35

STAND ID: 050853grnd3005 MGMT ID: NONE Stand 050853grnd3005 at EID
VegMP

STAND COMPOSITION (BASED ON STOCKABLE AREA)

STAND DISTRIBUTION OF STAND ATTRIBUTES BY YEAR ATTRIBUTES SPECIES AND 3 USER-DEFINED SUBCLASSES	PERCENTILE POINTS IN THE DISTRIBUTION OF STAND ATTRIBUTES BY DBH						TOTAL/ACRE OF STAND ATTRIBUTES
	10	30	50	70	90	100	

(DBH IN INCHES)

2014 TREES 33. % DF2, 29. % DF3, VOLUME: TOTAL 26. % DF2, 18. % DF1,	1.2	1.8	2.5	3.4	8.3	47.3	413273. TREES
	19. % DF1,	6. % PP2					
	6.8	13.3	17.9	25.9	37.8	47.3	2015026. CUFT
	17. % DF3,	7. % PP2					

SlyPark.out.txt									
25. %	MERCH	10.3	14.7	20.3	28.2	39.5	47.3	1532253.	CUFT
DF2,	21. % DF1,	14. % DF3,	6. % PP3						
24. %	MERCH	10.3	17.9	23.7	31.7	40.4	47.3	6918057.	BDFT
DF2,	21. % DF1,	14. % DF3,	8. % PP3						
37. %	REMOVAL	1.4	1.9	2.8	3.4	12.2	47.3	99999.	TREES
DF1,	30. % DF2,	12. % IC2,	11. % PP2						
	VOLUME:								
28. %	TOTAL	9.6	14.7	17.9	23.7	39.5	47.3	663240.	CUFT
DF2,	25. % DF1,	20. % DF3,	11. % PP1						
30. %	MERCH	12.2	16.2	20.5	23.7	40.3	47.3	537833.	CUFT
DF2,	27. % DF1,	20. % DF3,	12. % PP1						
28. %	MERCH	12.2	16.2	20.5	25.9	41.1	47.3	2426066.	BDFT
DF1,	28. % DF2,	19. % DF3,	12. % PP1						
36. %	RESI DUAL	1.2	1.8	2.1	3.3	7.7	46.5	313274.	TREES
DF3,	34. % DF2,	13. % DF1,	5. % PP2						
33. %	ACCRETI ON	1.6	6.4	7.7	10.9	20.3	46.5	10563.	CUFT/YR
DF2,	29. % DF3,	13. % DF1,	9. % SP3						
38. %	MORTALI TY	4.1	6.8	9.7	13.3	19.8	46.5	1508.	CUFT/YR
DF2,	20. % DF3,	11. % DF1,	10. % CY3						
2019	TREES	1.6	1.8	2.4	3.3	8.3	46.7	308024.	TREES
36. %	DF3,	34. % DF2,	13. % DF1,	4. % PP2					
	VOLUME:								
25. %	TOTAL	6.8	10.9	17.9	26.8	37.0	46.7	1397058.	CUFT
DF2,	16. % DF3,	15. % DF1,	8. % SP3						
23. %	MERCH	10.3	14.5	20.3	31.1	39.0	46.7	1012343.	CUFT
DF2,	17. % DF1,	11. % DF3,	9. % PP2						
23. %	MERCH	9.7	14.5	23.8	31.7	39.0	46.7	4685932.	BDFT
DF2,	18. % DF1,	10. % DF3,	9. % PP2						
44. %	ACCRETI ON	2.6	6.4	7.7	10.9	20.3	46.7	9104.	CUFT/YR
DF2,	23. % DF3,	11. % DF1,	8. % SP3						
37. %	MORTALI TY	4.1	6.8	9.7	13.3	19.8	46.7	1671.	CUFT/YR
DF2,	22. % DF3,	11. % DF1,	9. % CY3						
2024	TREES	1.8	2.1	2.6	3.3	8.3	47.0	302774.	TREES
36. %	DF3,	34. % DF2,	13. % DF1,	4. % PP2					
	VOLUME:								
26. %	TOTAL	6.4	10.9	17.9	26.8	36.9	47.0	1434223.	CUFT
DF2,	16. % DF3,	15. % DF1,	8. % SP3						
23. %	MERCH	10.3	14.5	20.3	31.1	37.8	47.0	1031968.	CUFT
DF2,	17. % DF1,	11. % DF3,	9. % PP2						
23. %	MERCH	9.7	14.5	23.8	31.7	39.0	47.0	4741343.	BDFT
DF2,	17. % DF1,	11. % DF3,	9. % PP2						
32. %	ACCRETI ON	2.0	4.3	7.7	10.9	20.3	47.0	9360.	CUFT/YR
DF2,	30. % DF3,	13. % DF1,	9. % SP3						
38. %	MORTALI TY	3.3	6.8	9.7	13.3	19.8	47.0	1796.	CUFT/YR
DF2,	22. % DF3,	11. % DF1,	9. % CY3						

SlyPark.out.txt

2029 TREES 2.1 2.3 2.7 4.1 8.3 47.1 297524. TREES
 36.% DF3, 34.% DF2, 13.% DF1, 4.% PP2
 VOLUME:
 TOTAL 6.4 10.3 17.9 26.8 36.9 47.1 1472042. CUFT
 26.% DF2, 17.% DF3, 15.% DF1, 8.% SP3
 MERCH 10.3 14.5 20.3 31.1 37.8 47.1 1052734. CUFT
 24.% DF2, 17.% DF1, 11.% DF3, 9.% PP2
 MERCH 9.7 14.5 23.8 31.7 39.0 47.1 4820226. BDFT
 23.% DF2, 17.% DF1, 11.% DF3, 9.% PP2
 ACCRETION 2.6 6.4 7.7 10.9 20.3 47.1 8503. CUFT/YR
 37.% DF2, 25.% DF3, 11.% DF1, 10.% SP3
 MORTALITY 3.0 6.8 9.7 13.3 19.8 47.1 1921. CUFT/YR
 37.% DF2, 23.% DF3, 11.% DF1, 9.% SP3

2034 TREES 2.3 2.5 2.7 4.1 8.3 47.3 292275. TREES
 36.% DF3, 34.% DF2, 13.% DF1, 4.% PP2
 VOLUME:
 TOTAL 6.4 10.3 17.9 26.8 36.9 47.3 1504950. CUFT
 26.% DF2, 17.% DF3, 15.% DF1, 8.% SP3
 MERCH 10.3 14.5 20.3 31.1 37.8 47.3 1068947. CUFT
 24.% DF2, 17.% DF1, 11.% DF3, 9.% PP2
 MERCH 9.7 14.5 23.8 31.7 39.0 47.3 4950812. BDFT
 24.% DF2, 17.% DF1, 10.% DF3, 9.% PP2
 ACCRETION 2.4 4.3 7.7 10.9 20.3 47.3 8420. CUFT/YR
 35.% DF2, 28.% DF3, 13.% DF1, 10.% SP3
 MORTALITY 2.9 6.4 8.3 13.3 19.8 47.3 2038. CUFT/YR
 37.% DF2, 23.% DF3, 11.% DF1, 9.% SP3

2039 TREES 2.5 2.6 2.8 4.1 8.3 47.5 287024. TREES
 36.% DF3, 34.% DF2, 13.% DF1, 4.% PP2
 VOLUME:
 TOTAL 6.4 10.3 17.9 23.8 36.9 47.5 1536862. CUFT
 27.% DF2, 17.% DF3, 15.% DF1, 8.% SP3
 MERCH 10.3 14.5 20.3 31.1 37.8 47.5 1075336. CUFT
 24.% DF2, 17.% DF1, 11.% DF3, 9.% PP2
 MERCH 10.3 14.5 23.8 31.7 39.0 47.5 5025130. BDFT
 24.% DF2, 17.% DF1, 10.% DF3, 9.% PP2

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA /
 SOUTHERN CASCADES RV: 20190307 06-06-2019 16:55:37

STAND ID: 050853grnd3005 MGMT ID: NONE Stand 050853grnd3005 at EID
 VegMP

 ATTRIBUTES OF SELECTED SAMPLE TREES ADDITIONAL
 STAND ATTRIBUTES (BASED ON STOCKABLE AREA)

INITIAL LIVE PAST DBH BASAL TREES
 QUADRATIC TREES BASAL TOP HEIGHT CROWN
 Page 8

MEAN YEAR (INCHES)	TREES/A DBH	PER SPECIES ACRES	AREA (SQFT/A)	DBH (INCHES)	HEIGHT LARGEST (FEET)	CROWN COMP RATIO	GROWTH (INCHES)	AREA %TILE	PER ACRE	STAND AGE
--------------------	-------------	-------------------	---------------	--------------	-----------------------	------------------	-----------------	------------	----------	-----------

2014 (10 YRS)										
	10	DF1		1.20	9.42	55	0.00	0.4	*****	
	30	DF1		1.80	12.69	20	0.00	1.7	*****	
	50	DF2		2.50	16.50	40	0.00	4.0	*****	
	70	DF1		3.40	22.12	65	0.00	9.2	*****	
	90	DF2		8.30	53.65	65	0.00	30.3	6281.17	
	100	PP1		47.30	157.91	35	0.00	100.0	23.77	0
5.9	*****	*****		142.1	*****					
5.6	*****	*****		131.6	*****					RESI DUAL:

2019 ** (5 YRS)										
	10	DF3		1.58	11.49	62	0.34	1.0	*****	
	30	DF3		2.12	14.88	52	0.29	4.2	*****	
	50	DF3		2.36	16.75	67	0.23	5.3	*****	
	70	DF2		3.30	24.52	86	0.00	10.0	*****	
	90	DF2		7.70	54.24	42	0.00	30.6	7216.13	
	100	DF1		46.64	120.13	60	0.12	99.9	25.45	5
5.7	*****	*****		132.5	*****					

2024 (5 YRS)										
	10	DF3		1.96	13.69	59	0.34	2.1	*****	
	30	DF3		2.35	17.09	49	0.21	4.9	*****	
	50	DF3		2.55	19.30	64	0.17	6.5	*****	
	70	DF2		3.30	27.76	82	0.00	11.1	*****	
	90	DF2		7.70	58.11	44	0.00	30.7	7132.66	
	100	DF1		46.76	121.23	60	0.10	99.8	25.44	10
5.7	*****	*****		133.4	*****					

2029 (5 YRS)										
	10	DF3		2.24	15.91	56	0.25	2.8	*****	
	30	DF3		2.52	19.35	47	0.15	5.6	*****	
	50	DF3		2.66	21.98	61	0.10	7.6	*****	
	70	DF2		3.30	31.16	78	0.00	12.3	*****	
	90	DF2		7.70	61.36	45	0.00	31.4	7047.97	
	100	DF1		46.94	122.30	60	0.16	99.8	25.44	15
5.8	*****	*****		134.2	*****					

2034 (5 YRS)										
	10	DF3		2.44	18.21	53	0.19	4.0	*****	
	30	DF3		2.63	21.80	45	0.09	6.2	*****	
	50	DF3		2.74	24.80	58	0.08	8.4	*****	
	70	DF2		3.30	34.71	74	0.00	13.1	*****	
	90	DF2		7.70	64.72	45	0.00	31.9	6963.02	
	100	DF1		47.09	123.35	60	0.13	99.8	25.43	20
5.9	*****	*****		135.1	*****					

SlyPark.out.txt

2039 (5 YRS)

10	DF3	2.59	20.76	50	0.13	5.2	*****
30	DF3	2.71	24.31	43	0.07	6.4	*****
50	DF3	2.81	27.77	55	0.06	9.1	*****
70	DF2	3.30	38.39	70	0.00	13.7	*****
90	DF2	7.70	67.22	45	0.00	32.4	6877.66
100	DF1	47.19	124.36	60	0.09	99.8	25.42

25

5.9 ***** 135.9 *****

** NOTE: DUE TO HARVEST, COMPRESSION, OR REGENERATION ESTABLISHMENT, NEW SAMPLE TREES WERE SELECTED.

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA / SOUTHERN CASCADES RV: 20190307 06-06-2019 16:55:37

STAND POLICIES: All, All_Stands, forest_type=371, Variant=CA_R5

STAND ID: 050853grnd3005 MGMT ID: NONE Stand 050853grnd3005 at EID VegMP

SUMMARY STATISTICS (PER ACRE OR STAND BASED ON TOTAL

STAND AREA)

START OF SIMULATION PERIOD													REMOVALS			
AFTER TREATMENT																
GROWTH THIS PERIOD																
													MAI			
													TOTAL MERCH			
													MERCH FOR SS			
YEAR	AGE	NO OF TOP TREES	RES BA	PERIOD SDI	TOP ACCRE CCF	MORT HT	QMD	TOTAL CU	MERCH FT	MERCH TYP	NO OF TREES	TOTAL CU	MERCH FT	MERCH BD	MERCH FT	BA
SDI	CCF	HT	QMD	YEARS	PER	YEAR		CU	FT	ZT		CU	FT			
2014	0413273	*****	*****	*****	142	5.9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
99999663240537833	*****	*****	*****	*****	96487	*****	*****	132	5.6	*****	510563	1508	0.0	371	11	
2019	5308024	*****	*****	*****	133	5.7	*****	*****	*****	*****	0	0	0	0	0	
0*****98183	*****	*****	*****	*****	133	5.7	*****	*****	*****	*****	0	0	0	0	0	
2024	10302774	*****	*****	*****	133	5.7	*****	*****	*****	*****	0	0	0	0	0	
0*****99615	*****	*****	*****	*****	133	5.7	*****	*****	*****	*****	0	0	0	0	0	
2029	15297524	*****	*****	*****	134	5.8	*****	*****	*****	*****	0	0	0	0	0	
0*****	*****	*****	*****	*****	134	5.8	*****	*****	*****	*****	0	0	0	0	0	
2034	20292275	*****	*****	*****	135	5.9	*****	*****	*****	*****	0	0	0	0	0	
0*****	*****	*****	*****	*****	135	5.9	*****	*****	*****	*****	0	0	0	0	0	
2039	25287025	*****	*****	*****	136	5.9	*****	*****	*****	*****	0	0	0	0	0	
0*****	*****	*****	*****	*****	136	5.9	*****	*****	*****	*****	0	0	0	0	0	

ACTIVITY SUMMARY

STAND ID= 050853grnd3005 MGMT ID= NONE Stand 050853grnd3005 at EID VegMP

CYCLE	DATE	EXTENSION	KEYWORD	DATE	ACTIVITY DISPOSITION	PARAMETERS:
1	2014					
		BASE	THINHT	2014	DONE IN 2014	0.0000 999.0000
1.0000		0.0000	0.0000		0.0000	
		FIRE	FUELNIT	2014	DONE IN 2014	-1.0000 2.2990
0.7240		1.5220	33.5280		0.0000	
						5.5000 0.2664
0.3996		1.6764	-1.0000		-1.0000	
2	2019					
3	2024					
4	2029					
5	2034					

***** CARBON REPORT VERSION 1.0 *****
 STAND CARBON REPORT (BASED ON STOCKABLE

AREA)

ALL VARIABLES ARE REPORTED IN METRIC TONS/HECTARE

STAND ID: 050853grnd3005

MGMT ID: NONE

Total	Aboveground Live		Belowground		Stand	Forest		
	Total	Carbon	Live	Dead		Dead	DDW	Floor
Stand	Removed	Released						
YEAR	Total	Merch	Live	Dead	Dead			
Carbon	Carbon	from Fire						
2014	27887.4	14963.9	7668.5	3832.7	144.7	2204.1	661.9	0.5
42399.8	10082.1		0.0					
2019	28590.2	15240.5	7696.1	3135.5	304.3	2160.9	713.4	0.5
42600.8	0.0		0.0					
2024	29137.0	15542.6	7721.6	2577.0	405.1	2468.6	753.8	0.5
43063.6	0.0		0.0					
2029	29722.1	15867.4	7735.6	2129.6	465.6	2780.8	792.0	0.5
43626.2	0.0		0.0					
2034	30226.0	16106.7	7736.3	1771.1	497.4	3082.7	832.5	0.5
44146.5	0.0		0.0					

***** CARBON REPORT VERSION 1.0 *****
 HARVESTED PRODUCTS REPORT (BASED ON STOCKABLE

AREA)

ALL VARIABLES ARE REPORTED IN METRIC TONS/HECTARE

STAND ID: 050853grnd3005

MGMT ID: NONE

Merch Carbon

YEAR	Prducts	Lndfi II	Energy	Sl yPark. out. txt Emi ssns	Stored	Removed
2014	5540.3	0.0	1394.7	1278.9	5540.3	8213.9
2019	4275.3	591.4	1725.7	1621.4	4866.7	8213.9
2024	3481.1	952.8	1931.9	1848.1	4433.9	8213.9
2029	2984.1	1174.6	2057.6	1997.6	4158.7	8213.9
2034	2649.8	1318.3	2138.1	2107.7	3968.1	8213.9

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA /
SOUTHERN CASCADES RV: 20190307 06-06-2019 16:56:26

OPTIONS SELECTED BY INPUT

KEYWORD FILE NAME: EIDVegMP2.key

KEYWORD PARAMETERS:

COMMENT

Starting year for simulation is 2014
Ending year for simulation is 2039
Min and Max inventory years are 2014 2014
Common cycle length is 5

END

STIDENT

STAND ID= 050853grnd3010

Stand 050853grnd3010 at EID

VegMP

SCREEN PROGRESSES.

SUMMARY TABLE WILL BE PRINTED TO DATA SET REFERENCE NUMBER 6 AS RUN

STANDCN

DATA BASE CONTROL NUMBER=250010466

INVYEAR

INVENTORY YEAR= 2014

TIMEINT

ALL CYCLES; PERIOD LENGTH= 5

NUMCYCLE

NUMBER OF CYCLES= 5

DATABASE

DATABASE KEYWORDS:

DSNIN

DSN FOR INPUT CONNECTION IS FVS_Data.accdb
ODBC CONNECT STRING: DRIVER={Microsoft Access Driver (*.mdb,
*.accdb)}; DBQ=C:\FVSData\EID VegMP\FVS_Data.accdb; UID=; PWD=
CONNECTION DATA BASE TYPE: ACCESS

STANDSQL

STANDSQL COMMAND FOR INPUT CONNECTION: FVS_Data.accdb
SELECT *
FROM FVS_StandInit
WHERE Stand_CN= '%Stand_CN%'

STAND-LEVEL DATA BASE READ:

INV_YEAR: 2014
LONGITUDE: 12.0164
REGION: 5
FOREST: 8
DISTRICT: 53
COMPOSITE LOC: 508
LATITUDE: 10.9047
ASPECT: 90.0
SLOPE: 0.17

```

Webber.out.txt
ELEVFT:                2600.0 CONVERTED TO:    26.0
BASAL_AREA_FACTOR:    235.0
INV_PLOT_SIZE:        370.
BRK_DBH:              21.0
NUM_PLOTS:            1
STK_PCNT:             1.000
DG_TRANS:             0
DG_MEASURE:           10
HTG_TRANS:            0
HTG_MEASURE:          5
MORT_MEASURE:         5
SITE_SPECIES:         PSME MAPPED TO INTERNAL CODE: DF
SITE_INDEX:           80.0 FOR SPECIES: DF
FUEL_1_3_H:           1.936
FUEL_3_6_H:           2.519
FUEL_6_12_H:          0.000
FUEL_12_20_H:         0.000
FUEL_LITTER:          0.000
FUEL_DUFF:            4.000
FUEL_0_25_H:          0.146
FUEL_25_1_H:          0.218
FUEL_20_35_H:         0.000
END OF DATA BASE READ.

```

```

TREETSQL TREETSQL COMMAND FOR INPUT CONNECTION: FVS_Data.accdb
SELECT *
FROM FVS_TreeInit
WHERE Stand_CN= '%Stand_CN%'

```

```

COLUMN PROCESSING RESULTS:
STAND_CN           WAS IGNORED
STAND_ID           WAS IGNORED
STANDPLOT_CN      WAS IGNORED
STANDPLOT_ID      WAS IGNORED
PLOT_ID           WAS BOUND
TREE_ID           WAS BOUND
TREE_COUNT        WAS BOUND
HI STORY          WAS BOUND
SPECIES           WAS BOUND
DBH               WAS BOUND
DG                WAS BOUND
HT                WAS BOUND
HTG               WAS BOUND
HTTOPK           WAS BOUND
CRRATIO           WAS BOUND
DAMAGE1           WAS BOUND
SEVERITY1         WAS BOUND
DAMAGE2           WAS BOUND
SEVERITY2         WAS BOUND
DAMAGE3           WAS BOUND
SEVERITY3         WAS BOUND
TREEVALUE         WAS BOUND
PRESCRIPTION     WAS BOUND
AGE               WAS BOUND
SLOPE             WAS BOUND
ASPECT           WAS BOUND
PV_CODE          WAS BOUND
TOPOCODE         WAS BOUND
SITEPREP         WAS BOUND
NUMBER ROWS PROCESSED: 35

```

```

END END OF DATA BASE OPTIONS.

```

THINNT DATE/CYCLE= 2014; MINIMUM HEIGHT= 0.0; MAXIMUM HEIGHT= 60.0;
PROPORTION OF SELECTED TREES REMOVED= 1.000
ALL SPECIES (CODE= 0) ARE TARGETED FOR THIS CUT.

FMIN FIRE MODEL KEYWORDS:

CARBREPT THE MAIN CARBON REPORT WILL BE PRINTED.

CARBCUT THE HARVESTED PRODUCTS REPORT WILL BE PRINTED.

CARBCALC CARBON REPORTS WILL BE BASED ON METHOD 0 (0=FFE, 1=JENKINS)
REPORT UNITS WILL BE 1 (0=US(TONS/ACRE), 1=METRIC(METRIC TONS/HA)
2=COMBINED(METRIC TONS/ACRE))

PROPORTION OF DEAD ROOTS DECAYING ANNUALLY WILL BE: 0.0425 (<0 = NO DEAD
ROOTS)

SOFTWOOD DIAMETER BREAKPOINT: 9.0
HARDWOOD DIAMETER BREAKPOINT: 11.0

END END OF FIRE MODEL OPTIONS.

SPLABEL STAND POLICY LABEL SET:
All, All_Stands, forest_type=371, Variant=CA_R5

PROCESS PROCESS THE STAND.

***** FVS09 WARNING: PLOT COUNTS DO NOT MATCH DATA ON THE DESIGN RECORD;
DESIGN RECORD DATA USED.

PLOT COUNT= 5; NONSTOCKABLE COUNT= 0

OPTI ONS SELECTED BY DEFAULT

TREEFMT
(I4, T1, I7, F6.0, I1, A3, F4.1, F3.1, 2F3.0, F4.1, I1, 3(I2, I2), 2I1, I2, 2I3, 2I1, F3.0)

DESIGN BASAL AREA FACTOR= 235.0; INVERSE OF FIXED PLOT AREA= 370.0; BREAK DBH=
21.0
WEIGHT= NUMBER OF PLOTS= 1; NON-STOCKABLE PLOTS= 0; STAND SAMPLING
1.0000
PROPORTION OF STAND CONSIDERED STOCKABLE= 1.000

***** FVS14 WARNING: HABITAT/PLANT ASSOCIATION/ECOREGION CODE WAS NOT
RECOGNIZED; HABITAT/PLANT ASSOCIATION/ECOREGION SET TO DEFAULT CODE.

PLANT COMMUNITY CODE USED IN THIS PROJECTION IS UNKNOWN

STDI NFO FOREST-LOCATI ON CODE= 508; HABITAT TYPE= 0; AGE= 0; ASPECT
AZI MUTH I N DEGREES= 90.; SLOPE= 0.%
ELEVATI ON(100' S FEET)= 26.0; REFERENCE CODE=

SPECIES	PC	IC	RC	WF	RF	SH	DF	WH	MH
WB									
SDI MAX	592.	576.	762.	800.	1000.	1000.	570.	682.	687.

Webber.out.txt

621.

SPECIES GP	KP	LP	CP	LM	JP	SP	WP	PP	MP
SDI MAX 214.	679.	679.	365.	409.	365.	561.	272.	365.	365.
SPECIES WO	WJ	BR	GS	PY	OS	LO	CY	BL	E0
SDI MAX 440.	272.	412.	576.	576.	365.	667.	667.	214.	214.
SPECIES FL	B0	VO	I0	BM	BU	RA	MA	GC	DG
SDI MAX 441.	406.	440.	667.	629.	440.	441.	515.	785.	406.
SPECIES	WN	TO	SY	AS	CW	WI	CN	CL	OH
SDI MAX	283.	785.	499.	562.	452.	447.	576.	406.	452.

ALPHA SPECIES - FIA CODE CROSS REFERENCE:

DF= 202 ;	PC= 041 ;	IC= 081 ;	RC= 242 ;	WF= 015 ;	RF= 020 ;	SH= 021 ;
SP= 117 ;	WH= 263 ;	MH= 264	WB= 101 ;	KP= 103 ;	LP= 108 ;	CP= 109 ;
OS= 298 ;	MP= 124 ;	GP= 127 ;	WJ= 064 ;	BR= 092 ;	GS= 212 ;	PY= 231 ;
BM= 312 ;	LO= 801 ;	CY= 805	BL= 807 ;	E0= 811 ;	WO= 815 ;	B0= 818 ;
SY= 730 ;	BU= 333 ;	RA= 351	MA= 361 ;	GC= 431 ;	DG= 492 ;	FL= 542 ;
	AS= 746 ;	CW= 747	WI= 920 ;	CN= 251 ;	CL= 981 ;	OH= 998

NATIONAL VOLUME ESTIMATOR LIBRARY EQUATION NUMBERS

SPECIES CUBIC FOOT	BOARD FOOT	SPECIES CUBIC FOOT	BOARD FOOT	SPECIES CUBIC FOOT	BOARD FOOT
PC 500W02W081	500W02W081	IC 532W02W081	532W02W081	RC 500W02W081	
500W02W081	WF 532W02W015	532W02W015			
RF 532W02W020	532W02W020	SH 500W02W020	500W02W020	DF 532W02W202	
532W02W202	WH 500W02W015	500W02W015			
MH 500W02W015	500W02W015	WB 500W02W108	500W02W108	KP 500W02W108	
500W02W108	LP 532W02W108	532W02W108			
CP 500W02W108	500W02W108	LM 500W02W108	500W02W108	JP 500W02W116	
500W02W116	SP 532W02W117	532W02W117			
WP 500W02W117	500W02W117	PP 532W02W122	532W02W122	MP 500W02W108	
500W02W108	GP 500W02W108	500W02W108			
WJ 500DVEW060	500DVEW060	BR 500W02W015	500W02W015	GS 500DVEW212	
500DVEW212	PY 500W02W108	500W02W108			
OS 500W02W108	500W02W108	LO 500DVEW801	500DVEW801	CY 500DVEW805	
500DVEW805	BL 500DVEW807	500DVEW807			
E0 500DVEW811	500DVEW811	WO 500DVEW815	500DVEW815	B0 500DVEW818	
500DVEW818	VO 500DVEW821	500DVEW821			
I0 500DVEW839	500DVEW839	BM 500DVEW312	500DVEW312	BU 500DVEW807	
500DVEW807	RA 500DVEW351	500DVEW351			
MA 500DVEW361	500DVEW361	GC 500DVEW431	500DVEW431	DG 500DVEW807	
500DVEW807	FL 500DVEW807	500DVEW807			
WN 500DVEW818	500DVEW818	TO 500DVEW631	500DVEW631	SY 500DVEW818	
500DVEW818	AS 500DVEW818	500DVEW818			
CW 500DVEW818	500DVEW818	WI 500DVEW807	500DVEW807	CN 500DVEW807	
500DVEW807	CL 500DVEW981	500DVEW981			
OH 500DVEW801	500DVEW801				

Webber.out.txt

SITE CODE SITE INDEX INFORMATION:
 DF= 80.; PC= 72.; IC= 61.; RC= 72.; WF= 80.; RF= 80.; SH= 80.;
 WH= 72.; MH= 72.;
 SP= 80.; WB= 72.; KP= 72.; LP= 72.; CP= 72.; LM= 72.; JP= 80.;
 WP= 72.; PP= 80.;
 OS= 72.; MP= 72.; GP= 72.; WJ= 61.; BR= 61.; GS= 80.; PY= 61.;
 LO= 46.; CY= 46.;
 BM= 46.; BL= 46.; EO= 46.; WO= 46.; BO= 46.; VO= 46.; IO= 46.;
 BU= 46.; RA= 46.;
 SY= 46.; MA= 46.; GC= 46.; DG= 46.; FL= 46.; WN= 46.; TO= 46.;
 AS= 46.; CW= 46.;
 WI= 46.; CN= 46.; CL= 46.; OH= 46.
 SITE SPECIES=DF CODE= 7

INVENTORY POINT CROSS REFERENCE (FVS SEQUENTIAL POINT NUMBER = POINT NUMBER AS ENTERED IN THE INPUT DATA):

1= 12

ACTIVITY SCHEDULE

STAND ID= 050853grnd3010 MGMT ID= NONE Stand 050853grnd3010 at EID VegMP

CYCLE DATE EXTENSION KEYWORD DATE PARAMETERS:

CYCLE	DATE	EXTENSION	KEYWORD	DATE	PARAMETERS:
1	2014				
	0.0000	FIRE 0.0000	FUELINIT 4.0000	2014 0.1456	-1.0000 1.9360 2.5190 0.0000
	0.0000	BASE 0.0000	THINHT	2014	0.2184 0.0000 -1.0000 -1.0000 0.0000 60.0000 1.0000 0.0000
2	2019				
3	2024				
4	2029				
5	2034				

CALIBRATION STATISTICS:

	SP	PP	DF	BO
NUMBER OF RECORDS PER SPECIES	3	8	22	2
NUMBER OF RECORDS CODED AS RECENT MORTALITY	0	0	0	0
NUMBER OF RECORDS WITH MISSING HEIGHTS	2	2	13	2
NUMBER OF RECORDS WITH BROKEN OR DEAD TOPS	0	0	2	0

Webber.out.txt

NUMBER OF RECORDS WITH MISSING CROWN RATIOS 0 0 0 0

***** FVS27 WARNING: CALCULATED CALIBRATION VALUE OUTSIDE REASONABLE RANGE. CALIBRATION OF THIS SPECIES BEING TURNED OFF. LARGE TREE DG: SPECIES = 18 (PP) CALCULATED CALIBRATION VALUE = *****

NUMBER OF RECORDS AVAILABLE FOR SCALING THE DIAMETER INCREMENT MODEL 1 5 3 0

RATIO OF STANDARD ERRORS (INPUT DBH GROWTH DATA : MODEL) 1.00 1.45 1.00 1.00

WEIGHT GIVEN TO THE INPUT GROWTH DATA WHEN DBH GROWTH MODEL SCALE FACTORS WERE COMPUTED 0.00 1.00 0.00 0.00

INITIAL SCALE FACTORS FOR THE DBH INCREMENT MODEL 1.00 1.00 1.00 1.00

NUMBER OF RECORDS AVAILABLE FOR SCALING THE SMALL TREE HEIGHT INCREMENT MODEL 0 0 3 0

INITIAL SCALE FACTORS FOR THE SMALL TREE HEIGHT INCREMENT MODEL 1.00 1.00 1.00 1.00

NUMBER OF RECORDS WITH MISTLETOE 0 0 0 0

WARNING: INITIAL STAND STOCKING OF 390112.6 TREES/ACRE IS MORE THAN 5% ABOVE THE UPPER LIMIT OF 941.1 TREES/ACRE. UPPER LIMIT IS BASED ON A SDI MAXIMUM OF 469.9 AND AN UPPER BOUND OF 85.0 PERCENT OF MAXIMUM. MAXIMUM SDI BEING RESET TO 194790.6 FOR FURTHER PROCESSING.

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA / SOUTHERN CASCADES RV: 20190307 06-06-2019 16:56:26

STAND ID: 050853grnd3010 MGMT ID: NONE Stand 050853grnd3010 at EID VegMP

STAND COMPOSITION (BASED ON STOCKABLE AREA)

Table with columns: STAND DISTRIBUTION OF STAND ATTRIBUTES BY YEAR, PERCENTILE POINTS IN THE DISTRIBUTION OF STAND ATTRIBUTES BY DBH (10, 30, 50, 70, 90, 100), and TOTAL/ACRE OF STAND ATTRIBUTES. Includes a note '(DBH IN INCHES)' at the bottom.

		Webber. out. txt						
2014	TREES	1.2	2.2	2.5	7.3	10.5	45.3	390113. TREES
41. %	DF3, 24. % DF1,	15. % PP1,		9. % DF2				
	VOLUME:							
	TOTAL	7.6	10.5	16.7	19.2	32.3	45.3	2228031. CUFT
25. %	PP1, 20. % DF1,	18. % DF3,		11. % B02				
	MERCH	8.7	11.0	17.0	19.2	37.2	45.3	1702757. CUFT
24. %	PP1, 23. % DF1,	20. % DF3,		9. % SP1				
	MERCH	8.7	11.0	17.0	22.0	38.6	45.3	7127764. BDFT
26. %	DF1, 22. % PP1,	22. % DF3,		8. % B02				
	REMOVAL	1.2	1.2	2.2	2.2	7.3	9.5	99999. TREES
38. %	DF1, 37. % DF3,	25. % PP1,		0. % ---				
	VOLUME:							
	TOTAL	7.3	7.3	7.3	7.3	7.3	9.5	94303. CUFT
92. %	PP1, 4. % DF1,	4. % DF3,		0. % ---				
	MERCH	7.3	7.3	7.3	7.3	7.3	9.5	46866. CUFT
92. %	PP1, 8. % DF1,	0. % ---,		0. % ---				
	MERCH	7.3	7.3	7.3	7.3	7.3	9.5	267878. BDFT
95. %	PP1, 5. % DF1,	0. % ---,		0. % ---				
	RESI DUAL	1.0	2.2	2.5	7.6	11.0	45.3	290114. TREES
43. %	DF3, 19. % DF1,	13. % DF2,		11. % PP1				
	ACCRETI ON	2.5	8.7	10.5	16.7	19.2	45.3	11037. CUFT/YR
32. %	PP1, 27. % DF3,	12. % B01,		10. % SP1				
	MORTALI TY	7.6	7.6	9.5	11.0	16.7	45.3	3505. CUFT/YR
32. %	B01, 19. % B02,	19. % PP1,		13. % DF1				
2019	TREES	1.3	2.4	2.6	7.6	11.0	45.3	284864. TREES
43. %	DF3, 20. % DF1,	13. % DF2,		11. % PP1				
	VOLUME:							
	TOTAL	7.6	11.0	16.7	19.2	32.3	45.3	2171390. CUFT
22. %	PP1, 21. % DF1,	19. % DF3,		12. % B02				
	MERCH	9.5	11.0	17.0	19.2	37.2	45.3	1692033. CUFT
23. %	DF1, 23. % PP1,	21. % DF3,		10. % SP1				
	MERCH	8.7	11.0	17.0	22.0	38.6	45.3	7194186. BDFT
25. %	DF1, 22. % DF3,	21. % PP1,		9. % SP1				
	ACCRETI ON	2.3	7.6	10.5	12.0	19.2	45.3	11603. CUFT/YR
26. %	PP1, 25. % DF3,	14. % DF1,		9. % SP1				
	MORTALI TY	7.6	7.6	9.5	11.0	16.7	45.3	3821. CUFT/YR
30. %	B01, 19. % PP1,	18. % B02,		13. % DF3				
2024	TREES	1.7	2.5	2.7	7.6	11.0	45.3	279614. TREES
43. %	DF3, 20. % DF1,	13. % DF2,		11. % PP1				
	VOLUME:							
	TOTAL	7.6	11.0	16.7	19.2	32.3	45.3	2210296. CUFT
22. %	PP1, 21. % DF1,	20. % DF3,		12. % B02				
	MERCH	9.5	11.0	17.0	19.2	37.2	45.3	1691965. CUFT
23. %	DF1, 23. % PP1,	21. % DF3,		10. % SP1				
	MERCH	8.7	12.0	17.0	22.0	38.6	45.3	7191550. BDFT
25. %	DF1, 22. % DF3,	21. % PP1,		9. % SP1				
	ACCRETI ON	7.6	8.7	11.0	16.7	19.2	45.3	9667. CUFT/YR

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37. % PP1, 22. % DF3, 11. % SP1, 11. % DF1
 MORTALITY 7.6 7.6 9.5 11.0 16.7 45.3 4069. CUFT/YR
 29. % B01, 20. % PP1, 18. % B02, 13. % DF3

2029 TREES 2.0 2.6 2.8 7.6 11.0 45.3 274363. TREES
 43. % DF3, 20. % DF1, 13. % DF2, 11. % PP1
 VOLUME:
 TOTAL 7.6 11.0 16.7 19.2 32.3 45.3 2238286. CUFT
 23. % PP1, 20. % DF1, 20. % DF3, 11. % B02
 MERCH 9.5 11.0 17.0 19.2 37.2 45.3 1728664. CUFT
 24. % PP1, 23. % DF1, 21. % DF3, 10. % SP1
 MERCH 8.7 11.0 17.0 22.0 38.6 45.3 7485158. BDFT
 25. % DF1, 23. % DF3, 21. % PP1, 9. % SP1

ACCRETION 2.6 7.6 10.5 12.0 19.2 45.3 11267. CUFT/YR
 29. % PP1, 25. % DF3, 13. % DF1, 9. % SP1
 MORTALITY 7.6 7.6 9.5 11.0 16.7 45.3 4213. CUFT/YR
 28. % B01, 20. % PP1, 18. % B02, 14. % DF3

2034 TREES 2.2 2.7 2.8 7.6 11.0 45.3 269114. TREES
 43. % DF3, 20. % DF1, 13. % DF2, 11. % PP1
 VOLUME:
 TOTAL 7.6 11.0 16.7 19.2 32.3 45.3 2273556. CUFT
 23. % PP1, 20. % DF1, 20. % DF3, 11. % B02
 MERCH 8.7 11.0 17.0 19.2 37.2 45.3 1770461. CUFT
 24. % PP1, 22. % DF1, 21. % DF3, 10. % SP1
 MERCH 8.7 11.0 17.0 22.0 38.6 45.3 7447303. BDFT
 25. % DF1, 23. % DF3, 21. % PP1, 9. % SP1

ACCRETION 7.6 8.7 11.0 16.7 19.2 45.3 9013. CUFT/YR
 37. % PP1, 21. % DF3, 11. % SP1, 10. % DF1
 MORTALITY 7.6 7.6 9.5 11.0 16.7 45.3 4406. CUFT/YR
 27. % B01, 21. % PP1, 18. % B02, 14. % DF3

2039 TREES 2.4 2.8 2.9 7.6 11.0 45.3 263863. TREES
 43. % DF3, 20. % DF1, 13. % DF2, 11. % PP1
 VOLUME:
 TOTAL 7.6 11.0 16.7 19.2 32.3 45.3 2296592. CUFT
 23. % PP1, 20. % DF1, 20. % DF3, 11. % B02
 MERCH 9.5 11.0 17.0 19.2 37.2 45.3 1794426. CUFT
 24. % PP1, 22. % DF1, 21. % DF3, 11. % SP1
 MERCH 9.5 11.0 17.0 22.0 38.6 45.3 7702338. BDFT
 24. % DF1, 23. % DF3, 22. % PP1, 8. % SP1

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA /
 SOUTHERN CASCADES RV: 20190307 06-06-2019 16:56:28

STAND ID: 050853grnd3010 MGMT ID: NONE Stand 050853grnd3010 at EID
 VegMP

STAND ATTRIBUTES (BASED ON STOCKABLE AREA)

INITIAL QUADRATIC TREES/A		BASAL DBH	TOP HEIGHT	LIVE CROWN	PAST DBH	BASAL AREA	TREES PER ACRE	STAND AGE
MEAN DBH	PER SPECIES	AREA (SQFT/A)	LARGEST 40/A (FT)	COMP RATIO	(INCHES)	%TILE	ACRE	
YEAR (INCHES)	ACRE	(INCHES)	(FEET)	FACTOR				

2014					(10 YRS)			
10	DF1	1.20	9.42	50	0.00	0.5	*****	
30	DF2	2.20	14.87	40	0.00	2.4	*****	
50	DF3	2.50	14.00	70	0.00	4.8	*****	
70	PP1	7.30	31.00	80	1.80	14.1	*****	
90	DF3	10.50	65.10	65	0.00	45.9	*****	
100	DF1	45.30	154.96	55	0.00	100.0	37.52	0
6.6	*****	*****	154.0	*****				RESI DUAL:
7.3	*****	*****	154.0	*****				
2019 **					(5 YRS)			
10	DF3	1.32	10.07	48	0.29	0.4	*****	
30	DF2	2.39	16.82	38	0.17	2.9	*****	
50	DF3	2.64	16.32	67	0.12	6.0	*****	
70	B01	7.60	41.98	38	0.00	12.6	*****	
90	B02	11.00	51.57	48	0.00	47.0	*****	
100	DF1	45.30	155.44	53	0.00	99.9	37.51	5
7.4	*****	*****	154.5	*****				
2024					(5 YRS)			
10	DF3	1.66	11.93	46	0.31	0.6	*****	
30	DF2	2.54	18.88	36	0.13	3.1	*****	
50	DF3	2.74	18.81	64	0.09	6.8	*****	
70	B01	7.60	43.30	36	0.00	12.0	*****	
90	B02	11.00	52.66	46	0.00	45.8	*****	
100	DF1	45.30	155.91	53	0.00	99.8	37.50	10
7.4	*****	*****	155.0	*****				
2029					(5 YRS)			
10	DF3	1.98	13.90	44	0.29	0.9	*****	
30	DF2	2.63	20.95	34	0.08	3.6	*****	
50	DF3	2.80	21.36	61	0.05	5.9	*****	
70	B01	7.60	44.40	34	0.00	12.4	*****	
90	B02	11.00	53.71	44	0.00	45.5	*****	
100	DF1	45.30	156.38	53	0.00	99.8	37.49	15
7.5	*****	*****	155.4	*****				
2034					(5 YRS)			
10	DF3	2.23	15.90	42	0.22	1.1	*****	
30	DF2	2.70	23.10	32	0.06	4.0	*****	
50	DF3	2.85	24.03	58	0.04	6.5	*****	

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70	B01	7.60	45.49	32	0.00	11.7	*****
90	B02	11.00	54.72	42	0.00	45.5	*****
100	DF1	45.30	156.84	53	0.00	99.8	37.48

20

7.5 ***** 155.9 *****

2039 (5 YRS)

10	DF3	2.42	17.98	40	0.17	1.3	*****
30	DF2	2.76	25.28	30	0.05	2.3	*****
50	DF3	2.89	26.80	55	0.03	8.2	*****
70	B01	7.60	46.59	30	0.00	11.1	*****
90	B02	11.00	55.69	40	0.00	46.9	*****
100	DF1	45.30	157.29	53	0.00	99.8	37.47

25

7.6 ***** 156.3 *****

** NOTE: DUE TO HARVEST, COMPRESSION, OR REGENERATION ESTABLISHMENT, NEW SAMPLE TREES WERE SELECTED.

FOREST VEGETATION SIMULATOR VERSION 2614 -- INLAND CALIFORNIA / SOUTHERN CASCADES RV: 20190307 06-06-2019 16:56:28

STAND POLICIES: All, All_Stands, forest_type=371, Variant=CA_R5

STAND ID: 050853grnd3010 MGMT ID: NONE Stand 050853grnd3010 at EID VegMP

SUMMARY STATISTICS (PER ACRE OR STAND BASED ON TOTAL

STAND AREA)

START OF SIMULATION PERIOD										REMOVALS										
AFTER TREATMENT																				
GROWTH THIS PERIOD																				
										MAI										
NO OF TOP RES PERIOD ACCRE MORT										TOTAL MERCH MERCH										
YEAR AGE TREES BA SDI CCF HT QMD										CU FT CU FT BD FT										
SDI CCF HT QMD YEARS PER YEAR										TRES CU FT CU FT BD FT BA										
										CU FT TYP ZT										
2014	0390113	*****	154	6.6	*****	99999	94303													
46866267878	*****	154	7.3	*****	511037	3505	0.0	996	11											
2019	5284864	*****	154	7.4	*****	0	0	0												
0	*****	154	7.4	*****	511603	3821	0.0	371	11											
2024	10279614	*****	155	7.4	*****	0	0	0												
0	*****	155	7.4	*****	5	9667	4069	0.0	371	11										
2029	15274363	*****	155	7.5	*****	0	0	0												
0	*****	155	7.5	*****	511267	4213	0.0	371	11											
2034	20269114	*****	156	7.5	*****	0	0	0												
0	*****	156	7.5	*****	5	9013	4406	0.0	371	11										
2039	25263863	*****	156	7.6	*****	0	0	0												
0	*****	156	7.6	*****	0	0	0	0.0	371	11										

ACTIVITY SUMMARY

STAND ID= 050853grnd3010
VegMP

Webber.out.txt
MGMT ID= NONE

Stand 050853grnd3010 at EID

CYCLE	DATE	EXTENSION	KEYWORD	DATE	ACTIVITY DISPOSITION	PARAMETERS:
1	2014					
	1.0000	BASE 0.0000	THINHT 0.0000	2014	DONE IN 2014 0.0000	0.0000 60.0000
	2.5190	FIRE 0.0000	FUELINIT 0.0000	2014	DONE IN 2014 0.0000	-1.0000 1.9360
	0.2184	0.0000	-1.0000	-1.0000		4.0000 0.1456
2	2019					
3	2024					
4	2029					
5	2034					

***** CARBON REPORT VERSION 1.0 *****

STAND CARBON REPORT (BASED ON STOCKABLE

AREA)

ALL VARIABLES ARE REPORTED IN METRIC TONS/HECTARE

STAND ID: 050853grnd3010

MGMT ID: NONE

Total	Aboveground		Live		Belowground		Forest		
	Total	Carbon	Live	Dead	Stand	DDW	Floor	Shb/Hrb	
Stand	Removed	Released							
YEAR	Total	Merch	Live	Dead	Dead				
Carbon	Carbon	from Fire							
2014	42639.3	24683.6	12096.3	1082.8	246.1	1080.5	482.2	0.5	
57627.8	1290.0	0.0	0.0						
2019	43304.1	25237.6	12065.9	976.1	589.5	1322.0	1232.0	0.5	
59490.1	0.0	0.0	0.0						
2024	43818.4	25456.6	12024.3	896.4	792.5	2198.1	1293.4	0.5	
61023.6	0.0	0.0	0.0						
2029	44223.7	25922.7	11964.2	836.0	886.6	3066.1	1342.4	0.5	
62319.4	0.0	0.0	0.0						
2034	44711.4	26645.7	11891.8	789.2	909.7	3886.0	1397.5	0.5	
63586.0	0.0	0.0	0.0						

***** CARBON REPORT VERSION 1.0 *****

HARVESTED PRODUCTS REPORT (BASED ON STOCKABLE

AREA)

ALL VARIABLES ARE REPORTED IN METRIC TONS/HECTARE

STAND ID: 050853grnd3010

Webber.out.txt
MGMT ID: NONE

YEAR	Prducts	Lndfll	Energy	Emi ssns	Merch Carbon	
					Stored	Removed
2014	410.5	0.0	103.3	94.8	410.5	608.6
2019	316.8	43.8	127.9	120.1	360.6	608.6
2024	257.9	70.6	143.2	136.9	328.5	608.6
2029	221.1	87.0	152.5	148.0	308.2	608.6
2034	196.3	97.7	158.4	156.2	294.0	608.6

APPENDIX B

Federal Biological Resources Assessment



Multiple Occurrences per Page
California Department of Fish and Wildlife
California Natural Diversity Database



Query Criteria: Quad IS (Camino (3812066) OR Sly Park (3812065) OR Pollock Pines (3812075) OR Riverton (3812074) OR Garden Valley (3812077) OR Placerville (3812067) OR Fiddletown (3812057) OR Aukum (3812056) OR Omo Ranch (3812055) OR Caldor (3812054) OR Old Iron Mountain (3812064) OR Leek Spring Hill (3812063) OR Kyburz (3812073) OR Loon Lake (3812083) OR Robbs Peak (3812084) OR Devil Peak (3812085) OR Tunnel Hill (3812086) OR Slate Mtn. (3812076))
 AND (Federal Listing Status IS (Endangered OR Threatened OR Proposed Endangered OR Proposed Threatened OR Candidate OR All CNDDDB element occurrences OR Delisted) OR State Listing Status IS (Endangered OR Threatened OR Rare OR All CNDDDB element occurrences OR Delisted OR Candidate Endangered OR Candidate Threatened))

Ambystoma macrodactylum sigillatum		Element Code: AAAAA01085	
southern long-toed salamander			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5T4
	State: None		State: S3
	Other: CDFW_SSC-Species of Special Concern		
Habitat:	General: HIGH ELEVATION MEADOWS AND LAKES IN THE SIERRA NEVADA, CASCADE, AND KLAMATH MOUNTAINS.		
	Micro: AQUATIC LARVAE OCCUR IN PONDS AND LAKES. OUTSIDE OF BREEDING SEASON ADULTS ARE TERRESTRIAL AND ASSOCIATED WITH UNDERGROUND BURROWS OF MAMMALS AND MOIST AREAS UNDER LOGS AND ROCKS.		

Occurrence No.	383	Map Index:	A0966	EO Index:	102525	Element Last Seen:	2004-08-16
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-08-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-07-06	

Quad Summary: Loon Lake (3812083)
County Summary: El Dorado

Lat/Long:	38.98591 / -120.27345	Accuracy:	80 meters
UTM:	Zone-10 N4318750 E736162	Elevation (ft):	7100
PLSS:	T13N, R15E, Sec. 11, SW (M)	Acres:	5.0

Location: UNNAMED POND 0.8 MILE ESE OF BROWN MOUNTAIN, DESOLATION WILDERNESS, EAST OF LOON LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:
Ecological:
General: 7 LARVAE FOUND ON 16 AUG 2004.
Owner/Manager: USFS-ELDORADO NF



Multiple Occurrences per Page
California Department of Fish and Wildlife
California Natural Diversity Database



Occurrence No.	384	Map Index: A0967	EO Index: 102526	Element Last Seen: 1996-08-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1996-08-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-07-06

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.98565 / -120.26302	Accuracy:	80 meters
UTM:	Zone-10 N4318748 E737067	Elevation (ft):	7300
PLSS:	T13N, R15E, Sec. 11, SE (M)	Acres:	5.0

Location: UNNAMED POND 1.4 MILES EAST OF THE SUMMIT OF BROWN MOUNTAIN, DESOLATION WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

General: LARVAE DETECTED IN AUGUST 1996.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	385	Map Index: A0969	EO Index: 102528	Element Last Seen: 2004-08-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2004-08-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-07-06

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.98587 / -120.2545	Accuracy:	80 meters
UTM:	Zone-10 N4318795 E737804	Elevation (ft):	7200
PLSS:	T13N, R16E, Sec. 7, SW (M)	Acres:	5.0

Location: UNNAMED POND 1.8 MILES NORTH OF TELLS PEAK, SW OF ROCKBOUND LAKE, DESOLATION WILDERNESS, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

General: 2 LARVAE FOUND ON 16 AUGUST 2004.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	386	Map Index: A0971	EO Index: 102530	Element Last Seen: 2004-08-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2004-08-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-07-06

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.9804 / -120.26545	Accuracy:	80 meters
UTM:	Zone-10 N4318159 E736874	Elevation (ft):	7500
PLSS:	T13N, R15E, Sec. 14, NE (M)	Acres:	5.0

Location: UNNAMED POND 0.8 MILE NNE OF SHADOW LAKE, DESOLATION WILDERNESS, SE OF LOON LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

General: 28 LARVAE FOUND ON 16 AUGUST 2004.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	388	Map Index: A0973	EO Index: 102532	Element Last Seen:	2003-06-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2003-06-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-06

Quad Summary: Robbs Peak (3812084)
County Summary: El Dorado

Lat/Long:	38.96641 / -120.38703	Accuracy:	80 meters
UTM:	Zone-10 N4316296 E726385	Elevation (ft):	5400
PLSS:	T13N, R14E, Sec. 15, SE (M)	Acres:	5.0

Location: POND 0.4 MILE EAST OF GERLE CREEK DIVIDE RESERVOIR DAM, ELDORADO NATIONAL FOREST.
Detailed Location: SOUTH OF USFS ROAD 13N23, 0.2 MILE WEST OF ITS INTERSECTION WITH WENTWORTH SPRINGS RD.
Ecological:
General: 8 LARVAE FOUND ON 24 JUNE 2003.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	389	Map Index: A0975	EO Index: 102534	Element Last Seen:	2005-07-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2005-07-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-07

Quad Summary: Loon Lake (3812083)
County Summary: El Dorado

Lat/Long:	38.9695 / -120.35354	Accuracy:	80 meters
UTM:	Zone-10 N4316723 E729277	Elevation (ft):	6000
PLSS:	T13N, R14E, Sec. 13, SE (M)	Acres:	5.0

Location: POND 0.8 MILE WEST OF CHIPMUNK BLUFF, SW OF LOON LAKE, ELDORADO NATIONAL FOREST.
Detailed Location: NORTH OF ICE HOUSE ROAD (ROAD 3), 1.0 ROAD MILE EAST OF ITS INTERSECTION WITH USFS ROAD 13N20.
Ecological:
General: DETECTED ON 11 JUN 2001, 11 MAY 2002, AND 10 JUL 2005.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	394	Map Index: A0980	EO Index: 102540	Element Last Seen:	1998-09-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1998-09-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-06

Quad Summary: Loon Lake (3812083)
County Summary: El Dorado

Lat/Long:	38.95469 / -120.26296	Accuracy:	1/10 mile
UTM:	Zone-10 N4315311 E737175	Elevation (ft):	8000
PLSS:	T13N, R15E, Sec. 23, SE (M)	Acres:	18.0

Location: FORNI LAKE, 0.6 MILE SW OF TELLS PEAK, DESOLATION WILDERNESS, ELDORADO NATIONAL FOREST.
Detailed Location:
Ecological:
General: DETECTED ON 6 SEPT 1998.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	395	Map Index:	A0981	EO Index:	102542	Element Last Seen:	2005-07-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2005-07-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-07-06	
Quad Summary:	Loon Lake (3812083)						
County Summary:	El Dorado						
Lat/Long:	38.96448 / -120.36677	Accuracy:	80 meters				
UTM:	Zone-10 N4316133 E728147	Elevation (ft):	5800				
PLSS:	T13N, R14E, Sec. 23, NE (M)	Acres:	5.0				
Location:	UNNAMED POND ABOUT 1.6 MILES WEST OF CHIPMUNK BLUFF, SW OF LOON LAKE, ELDORADO NATIONAL FOREST.						
Detailed Location:	0.1 MILE NW OF THE INTERSECTION OF ICE HOUSE ROAD (ROAD 3) AND USFS ROAD 13N20.						
Ecological:							
General:	DETECTED ON 11 JUNE 2001, 3 JULY 2001, 11 MAY 2002, AND 10 JULY 2005.						
Owner/Manager:	USFS-ELDORADO NF						

Occurrence No.	430	Map Index:	A1045	EO Index:	102607	Element Last Seen:	2008-08-13
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2008-08-13	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-07-11	
Quad Summary:	Kyburz (3812073)						
County Summary:	El Dorado						
Lat/Long:	38.8353 / -120.26259	Accuracy:	1/10 mile				
UTM:	Zone-10 N4302061 E737605	Elevation (ft):	6800				
PLSS:	T11N, R16E, Sec. 6, NW (M)	Acres:	18.0				
Location:	POND ABOUT 1.7 MILES SW OF WRIGHTS LAKE, WEST OF DESOLATION WILDERNESS, ELDORADO NATIONAL FOREST.						
Detailed Location:	0.4 MILE NW OF THE INTERSECTION OF ROAD 32 (USFS ROAD 11N37) AND ROAD 11N37F.						
Ecological:							
General:	LARVAE DETECTED ON 13 AUG 2008.						
Owner/Manager:	USFS-ELDORADO NF						

Occurrence No.	467	Map Index:	A1101	EO Index:	102669	Element Last Seen:	2007-06-28
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2007-06-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-07-13	
Quad Summary:	Leek Spring Hill (3812063)						
County Summary:	El Dorado						
Lat/Long:	38.68732 / -120.29859	Accuracy:	nonspecific area				
UTM:	Zone-10 N4285543 E734965	Elevation (ft):	5600				
PLSS:	T10N, R15E, Sec. 27, S (M)	Acres:	43.0				
Location:	ALONG ALDER CREEK FROM 3.0 TO 3.6 AIR MILES ESE OF THE SUMMIT OF IRON MOUNTAIN, ELDORADO NATIONAL FOREST.						
Detailed Location:							
Ecological:							
General:	LARVAE WERE FOUND IN THIS VICINITY ON 28 JUNE 2007.						
Owner/Manager:	USFS-ELDORADO NF, PVT						

<i>Rana draytonii</i>	Element Code: AAABH01022
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California red-legged frog			
Listing Status:	Federal: Threatened	CNDDB Element Ranks:	Global: G2G3
	State: None		State: S2S3
	Other: CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable		
Habitat:	General: LOWLANDS AND FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.		
	Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.		

Occurrence No.	586	Map Index: 49277	EO Index: 49277	Element Last Seen:	2008-04-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2008-04-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-04-23

Quad Summary:	Sly Park (3812065)
County Summary:	El Dorado

Lat/Long:	38.74489 / -120.59958	Accuracy:	80 meters
UTM:	Zone-10 N4291203 E708614	Elevation (ft):	3200
PLSS:	T10N, R12E, Sec. 01, SE (M)	Acres:	0.0

Location: SPIVEY POND, ON THE NORTH FORK OF WEBER CREEK, EL DORADO COUNTY.

Detailed Location: WEBER CREEK, FROM WEBER RESERVOIR UPSTREAM TO SNOWS ROAD AND 100 YARDS UPSTREAM OF SNOWS ROAD. WAS ALSO SURVEYED IN 1997; NO CRLF'S WERE FOUND, BUT 1 BULLFROG AND 1 YOY WESTERN POND TURTLE WERE FOUND.

Ecological: ONE OF TWO REMAINING POPULATIONS KNOWN FROM THE SIERRA NEVADAS. WEBER CREEK CONTAINS THE FOLLOWING FISH SPECIES: ONCORHYNCHUS MYKISS, LAVINIA SYMMETRICUS, CATOSTOMUS OCCIDENTALIS, & CENTRARCHIDS (IN WEBER RESERVOIR).

General: 6 ADULTS OBS (10-15 ESTIMATED) ON 2 JUL DURING SPOTLIGHT SURVEYS; 1 CRLF TADPOLE & NUMEROUS HYLA REGILLA TADPOLES OBS ON 3 JUL 1997. 6 ADS & 2 OF UNK AGE OBS ON 12 SEP 2002. 3 ADS & 5 JUVS OBS 26 SEP 2007. 5 ADS & 2 JUVS ON 17 APR 2008.

Owner/Manager: PVT

Occurrence No.	609	Map Index: 50057	EO Index: 50057	Element Last Seen:	2002-11-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-11-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-01-30

Quad Summary:	Caldor (3812054)
County Summary:	El Dorado

Lat/Long:	38.53713 / -120.43970	Accuracy:	80 meters
UTM:	Zone-10 N4268521 E723155	Elevation (ft):	4200
PLSS:	T08N, R14E, Sec. 21, NW (M)	Acres:	0.0

Location: SOPIAGO CREEK, 0.8 MILE NNW OF COOKS STATION, NORTH OF HIGHWAY 88.

Detailed Location: FROGS WERE LOCATED AT THE SITE OF AN OLD DAM THAT HAD BURST.

Ecological: HABITAT CONSISTS OF WILLOW / ALDER RIPARIAN.

General: 3 ADULTS OBSERVED ON 18 NOV 2002.

Owner/Manager: PVT



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Occurrence No.	1377	Map Index:	94865	EO Index:	95987	Element Last Seen:	1942-04-11
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1942-04-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-14	
Quad Summary:	Fiddletown (3812057)						
County Summary:	Amador, El Dorado						
Lat/Long:	38.56409 / -120.84609	Accuracy:	1 mile				
UTM:	Zone-10 N4270604 E687659	Elevation (ft):	820				
PLSS:	T08N, R10E, Sec. 11 (M)	Acres:	0.0				
Location:	AREA NEAR MOUTH OF N FORK COSUMNES RIVER, JUST N OF CONFLUENCE W/ MIDDLE FORK COSUMNES RIV, BTWN ENTERPRISE & NASHVILLE.						
Detailed Location:	MAPPED AS BEST GUESS TO PROVIDED LOCATION DESCRIPTION OF "N OF PLYMOUTH, TRIB. N FORK OF CONSUMES RIVER." COULD NOT DETERMINE SPECIFIC TRIBUTARY BEING REFERENCED AND THEREFORE FEATURE WAS MAPPED TO THE AREA WHERE N FORK BEGINS.						
Ecological:							
General:	3 COLLECTED (CUMV #4220) ON 11 APR 1942 BY WRIGHT AND STORER.						
Owner/Manager:	UNKNOWN						

<i>Rana boylei</i>	Element Code: AAABH01050
foothill yellow-legged frog	
Listing Status:	Federal: None
	State: Candidate Threatened
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_NT-Near Threatened, USFS_S-Sensitive
Habitat:	General: PARTLY-SHADED, SHALLOW STREAMS AND RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.
	Micro: NEEDS AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEEDS AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.
	CNDDDB Element Ranks: Global: G3
	State: S3

Occurrence No.	57	Map Index:	22203	EO Index:	19493	Element Last Seen:	2007-07-05
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2007-07-05	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-05-15	
Quad Summary:	Sly Park (3812065)						
County Summary:	El Dorado						
Lat/Long:	38.69292 / -120.54849	Accuracy:	nonspecific area				
UTM:	Zone-10 N4285552 E713210	Elevation (ft):	3100				
PLSS:	T10N, R13E, Sec. 28, N (M)	Acres:	78.0				
Location:	CAMP CREEK, SOUTH OF FLEMING MEADOW, 2 MILES SOUTH OF JENKINSON LAKE, ELDORADO NATIONAL FOREST.						
Detailed Location:	INCLUDES FELLERS SITE ID #Y-853.						
Ecological:	SLOW-MOVING, CLEAR CREEK, ABOUT 8 INCHES IN DEPTH, WITH 2-4 INCH DIAMETER COBBLE/ROCK SUBSTRATE. SURROUNDED BY MONTANE RIPARIAN VEGETATION.						
General:	3 ADULTS ON 18 JUL 1992. 6 LARVAE ON 10 AUG 1994. 4 ADULTS & 2 SUBADULTS ON 21 JUL 1995. 4 ADULTS & 2 EGGMASSSES ON 12 MAY 1997. 2 ADULTS & 8 LARVAE ON 25 AUG 1999. DETECTED IN 1998, 2000, 2001 & 2002. 2 ADULTS, 2 JUVENILES, 9 LARVAE IN 2007.						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	102	Map Index: 30217	EO Index: 18841	Element Last Seen:	1994-08-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1994-08-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-09-08
Quad Summary:	Sly Park (3812065), Camino (3812066)				
County Summary:	El Dorado				
Lat/Long:	38.65241 / -120.62567		Accuracy:	80 meters	
UTM:	Zone-10 N4280880 E706612		Elevation (ft):	2050	
PLSS:	T09N, R12E, Sec. 11, NW (M)		Acres:	0.0	
Location:	NORTH FORK OF COSUMNES RIVER, AT THE SWEENEY ROAD BRIDGE CROSSING, 2.5 MILES SE OF PLEASANT VALLEY.				
Detailed Location:	TADPOLES WERE FOUND UNDER THE BRIDGE.				
Ecological:	HABITAT CONSISTS OF SLOW-MOVING, SHALLOW WATER FLOWING OVER A SILTY SUBSTRATE; OVERSTORY CONSISTS OF RIPARIAN, DOMINATED BY ALDER AND MAPLE.				
General:	AN UNKNOWN NUMBER OF TADPOLES WERE OBSERVED ON 11 AUG 1994.				
Owner/Manager:	PVT				
Occurrence No.	103	Map Index: 30236	EO Index: 14412	Element Last Seen:	1994-08-23
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1994-08-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-09-08
Quad Summary:	Aukum (3812056), Camino (3812066)				
County Summary:	El Dorado				
Lat/Long:	38.62524 / -120.70156		Accuracy:	80 meters	
UTM:	Zone-10 N4277696 E700083		Elevation (ft):	1690	
PLSS:	T09N, R12E, Sec. 19, NW (M)		Acres:	0.0	
Location:	MIDDLE FORK OF COSUMNES RIVER, AT THE MT AUKUM ROAD BRIDGE CROSSING, 1.5 MILES SSW OF SOMERSET.				
Detailed Location:					
Ecological:	STREAM CHANNEL IS DOMINATED BY SHEET BEDROCK, IN A SHALLOW CANYON WITH FAIRLY STEEP SLOPES. ALDER TREES ARE THE DOMINANT RIPARIAN VEGETATION.				
General:	10+ TADPOLES OBSERVED ON 23 AUG 1994.				
Owner/Manager:	UNKNOWN				
Occurrence No.	112	Map Index: 30394	EO Index: 4435	Element Last Seen:	1992-06-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1992-06-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-06-27
Quad Summary:	Leek Spring Hill (3812063)				
County Summary:	El Dorado				
Lat/Long:	38.68321 / -120.35502		Accuracy:	nonspecific area	
UTM:	Zone-10 N4284943 E730069		Elevation (ft):	5457	
PLSS:	T10N, R15E, Sec. 30, S (M)		Acres:	75.0	
Location:	ALONG CAMP CREEK NEAR CONFLUENCE WITH DARK CANYON, 7 AIR MILES SW OF KYBURZ, ELDORADO NATIONAL FOREST.				
Detailed Location:	1118 METERS OF CREEK SURVEYED. MAPPED ALONG CREEK WITHIN GIVEN T-R-S.				
Ecological:					
General:	1 ADULT OBSERVED ON 17 JUN 1992.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	253	Map Index: 43035	EO Index: 43035	Element Last Seen:	1993-06-22
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1993-06-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-13
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.69811 / -120.44308		Accuracy:	nonspecific area	
UTM:	Zone-10 N4286379 E722362		Elevation (ft):	4700	
PLSS:	T10N, R14E, Sec. 29 (M)		Acres:	84.9	
Location:	SNOW CREEK, ABOUT AIR 6 MILES SE OF JENKINSON LAKE, ELDORADO NATIONAL FOREST.				
Detailed Location:	CANORUS LOCATION #4, DESCRIBED AS SNOW CREEK, IN T10N, R14E, SECTION 29, NEAR BIG PEBBLE CANYON RD, AT 4700 FOOT ELEVATION. SAMPLING DONE UPSTREAM AND DOWNSTREAM OF ORIGIN, BUT SPECIES ONLY FOUND UPSTREAM, 214 METERS FROM ORIGIN.				
Ecological:	NO INDICATION OF PAST LOGGING UPSTREAM. LOGGING OCCURRED DOWNSTREAM LESS THAN 5 YEARS AGO (AS OF 1993).				
General:	1 ADULT OBSERVED ON 22 JUN 1993.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	390	Map Index: 53217	EO Index: 53217	Element Last Seen:	2013-07-09
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2013-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-20
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.77182 / -120.45516		Accuracy:	nonspecific area	
UTM:	Zone-10 N4294531 E721084		Elevation (ft):	3191	
PLSS:	T11N, R14E, Sec. 30, N (M)		Acres:	60.0	
Location:	SOUTH FORK AMERICAN RIVER, IN VICINITY OF BLACKBIRD AND MAPLE GROVE CAMPGROUNDS, NEAR RIVERTON, EAST OF POLLOCK PINES.				
Detailed Location:	AT GARCIA AND ASSOCIATES SITE 220.				
Ecological:	MAIN CHANNEL HABITAT CONSISTS OF A LOW-GRADIENT RIFFLE; SIDE POOL OF BOULDER / COBBLE BAR. EDGEWATER HABITAT FOUND ADJACENT TO THE MAIN CHANNEL RIFFLE.				
General:	DETECTED IN 1965. 2 FROGS OBSERVED IN 2002. 6 EGG MASSES, TADPOLES, 2 METAMORPHS, 1 JUVENILE IN 2004. 4 EGG MASSES IN 2005. 1 TADPOLE, 3 YOUNG-OF-YEAR & 1 ADULT IN 2007. NONE FOUND IN 2009, 2010 & 2011. 1 TADPOLE IN 2013.				
Owner/Manager:	USFS-ELDORADO NF, UNK				



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Occurrence No.	479	Map Index:	73910	EO Index:	74886	Element Last Seen:	2007-09-21
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2011-10-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-09-21	
Quad Summary:	Pollock Pines (3812075), Slate Mtn. (3812076)						
County Summary:	El Dorado						
Lat/Long:	38.79439 / -120.61967	Accuracy:	nonspecific area				
UTM:	Zone-10 N4296652 E706725	Elevation (ft):	1860				
PLSS:	T11N, R12E, Sec. 15, S (M)	Acres:	89.0				
Location:	SOUTH FORK AMERICAN RIVER NEAR EL DORADO POWER HOUSE, ELDORADO NATIONAL FOREST, NW OF POLLOCK PINES.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES ALONG RIVER IN SECTIONS 15, 14, 22 AND 23. AT SITES 105R, 106R, SFA-3, AND SFA-5.						
Ecological:	HABITAT: BOULDER-DOMINATED, LOW GRADIENT RIVER SECTION WITH EXPOSED GRAVEL BANK, NUMEROUS CONNECTED & ISOLATED SIDE POOLS & SHALLOW EDGEWATER AREAS. EMERGENT VEG SEDGE-DOMINATED; SUBMERGED IS ALGAE; WILLOW, GRASS & SHRUB ALONG MARGINS.						
General:	SUBADULT DETECTED IN 1994. 100+ ADULTS, 30+ JUVENILES, ABOUT 100 LARVAE OBSERVED IN 2002. ADULTS, TADPOLES & EGGS IN 2003 & 2004. 5 ADULTS & 1 LARVAE IN 2005. 56 LARVAE & 8 YOUNG-OF-YEAR, 1 ADULT IN 2007. NONE FOUND IN 2011.						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	480	Map Index:	73891	EO Index:	74887	Element Last Seen:	2011-09-14
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2013-07-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-09-20	
Quad Summary:	Pollock Pines (3812075)						
County Summary:	El Dorado						
Lat/Long:	38.77942 / -120.55933	Accuracy:	nonspecific area				
UTM:	Zone-10 N4295129 E712010	Elevation (ft):	2775				
PLSS:	T11N, R13E, Sec. 19, E (M)	Acres:	41.0				
Location:	SOLDIER CREEK & SOUTH FORK AMERICAN RIVER AT CONFLUENCE, 2 MILES NE OF POLLOCK PINES, ELDORADO NATIONAL FOREST.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. SITES 124R & 125T.						
Ecological:	MODERATE GRADIENT CREEK WITH BRAIDED CHANNEL, BOULDERS, PLUNGE POOLS, AND RIVER WITH SIDE POOLS. LOW SHADING.						
General:	4 ADULTS & 12 LARVAE FOUND IN 2002. 11 ADULTS, 5 JUVENILES, & 3 METAMORPHS IN 2004. 1 ADULT, 1 SUBADULT, 2 JUVENILES IN 2005. 2 ADULTS, 1 JUV, 19 YOY, 378 TADPOLES IN 2007. 1 JUVENILE IN 2009. NONE IN 2010. 2 ADULTS IN 2011. NONE IN 2013.						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	481	Map Index: 73894	EO Index: 74892	Element Last Seen:	2011-10-04
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2013-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-25
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.78451 / -120.57928		Accuracy:	nonspecific area	
UTM:	Zone-10 N4295647 E710262		Elevation (ft):	2235	
PLSS:	T11N, R13E, Sec. 19, W (M)		Acres:	74.0	
Location:	ABOUT 0.9 MI ESE OF SOUTH FORK AMERICAN RIVER & SILVER CREEK CROSSING, ABOUT 1.6 MI NORTH OF POLLOCK PINES.				
Detailed Location:	MAPPED TO PROVIDED COORDINATES. SITE 120R.				
Ecological:	STRETCH OF RIVER WITH BOULDER AND COBBLE. POINT BAR AND SEVERAL SIDEPOOLS CONTIGUOUS WITH MAIN CHANNEL.				
General:	ALL LIFE STAGES WERE FOUND HERE DURING VARIOUS SURVEYS CONDUCTED IN 2002, 2004, 2005, 2007, 2009, AND 2011. NONE WERE FOUND DURING 2010 AND 2013 SURVEYS.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	482	Map Index: 73898	EO Index: 74897	Element Last Seen:	2018-06-06
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2018-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-02-05
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.78932 / -120.59081		Accuracy:	nonspecific area	
UTM:	Zone-10 N4296155 E709247		Elevation (ft):	2057	
PLSS:	T11N, R12E, Sec. 24, NW (M)		Acres:	85.0	
Location:	NEAR CONFLUENCE OF SILVER CREEK AND SOUTH FORK AMERICAN RIVER, ABOUT 2 MILES NORTH OF POLLOCK PINES.				
Detailed Location:	SITE 110R & 115T. MAPPED TO PROVIDED COORDINATES ALONG BOTH SILVER CREEK AND SOUTH FORK AMERICAN RIVER. FROGS FOUND BASKING ON EXPOSED BOULDER OR ON BANK, IN SIDEPOOLS, EDGEWATER AREAS OR BACKWATER POOLS.				
Ecological:	LOW-GRADIENT, WIDE RIVER (20-30 M) WITH BOULDER SUBSTRATE. ABUNDANT VEGETATION ON MARGIN AND IN SLOW WATER FLOW AREAS.				
General:	ALL LIFE STAGES WERE FOUND HERE DURING VARIOUS SURVEYS CONDUCTED IN 2002, 2003, 2004, 2005, AND 2007. NONE WERE FOUND DURING SURVEYS IN 2011. 1 JUVENILE OBSERVED ON 6 JUN 2018.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	484	Map Index:	73904	EO Index:	74902	Element Last Seen:	2002-08-30
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2002-08-30	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-09-19	
Quad Summary:	Pollock Pines (3812075)						
County Summary:	El Dorado						
Lat/Long:	38.77466 / -120.54475			Accuracy:	specific area		
UTM:	Zone-10 N4294634 E713290			Elevation (ft):	2680		
PLSS:	T11N, R13E, Sec. 20, SE (M)			Acres:	13.0		
Location:	SOUTH FORK AMERICAN RIVER AT GRAYS CANYON, ABOUT 2.5 MILES NE OF POLLOCK PINES, ELDORADO NATIONAL FOREST.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. SITE 130R.						
Ecological:	SIDEPOOL AND SIDCHANNEL ALONG SOUTH FORK AMERICAN RIVER.						
General:	2 ADULTS AND 2 LARVAE WERE FOUND ON 30 AUG 2002.						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	485	Map Index:	73907	EO Index:	74904	Element Last Seen:	2007-06-15
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2011-10-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-09-20	
Quad Summary:	Riverton (3812074)						
County Summary:	El Dorado						
Lat/Long:	38.76395 / -120.47808			Accuracy:	nonspecific area		
UTM:	Zone-10 N4293602 E719116			Elevation (ft):	3256		
PLSS:	T11N, R13E, Sec. 36, N (M)			Acres:	58.0		
Location:	ALONG LOWER PORTION OF CREEK IN OGILBY CANYON, NEAR HWY 50, ABOUT 6 MILES E OF POLLOCK PINES, ELDORADO NATIONAL FOREST.						
Detailed Location:	MAPPED TO PROVIDED COORDINATES. SITES 207R & 210DT.						
Ecological:	HABITAT CONSISTED OF LOW-MED GRADIENT RIFFLE, RUNS & POOLS. SUBSTRATE PRIMARILY COBBLE WITH SOME BOULDER & SILT. VEGETATION ALONG CREEK MARGIN ABUNDANT, COMPOSED OF FORBS. EMERGENT VEG, UNDERCUT BANKS, AND ROOT WADS PROVIDED ABUNDANT COVER.						
General:	3 ADULTS FOUND IN 2002, 3 ADULTS ON 15 JUN 2004, NONE FOUND IN 2005, 1 JUVENILE IN 2007, AND NONE FOUND IN 2011.						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	486	Map Index: 73908	EO Index: 74906	Element Last Seen:	2013-07-09
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2013-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-21

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.77142 / -120.47876	Accuracy:	specific area
UTM:	Zone-10 N4294430 E719035	Elevation (ft):	3100
PLSS:	T11N, R13E, Sec. 25, SW (M)	Acres:	21.0

Location: SOUTH FORK AMERICAN RIVER, 0.3 TO 0.6 MILE UPSTREAM OF OGILBY CANYON, 6 MI E OF POLLOCK PINES, ELDORADO NATIONAL FOREST.

Detailed Location: MAPPED TO PROVIDED COORDINATES. SITE 213R.

Ecological: LOW GRADIENT RIVER WITH EMBEDDED ROCKY SUBSTRATE. MARGINS OF BOULDERS AND SEDGES WITH POOLS AND POINT BARS. HEAVY RECREATIONAL USE. WELL WORN TRAIL FROM HIGHWAY DOWN TO RIVER. LIGHT MINING.

General: ALL LIFE STAGES WERE FOUND HERE DURING VARIOUS SURVEYS CONDUCTED IN 2002, 2004, 2005, 2007, 2009, 2011, AND 2013, BUT NONE WERE FOUND IN 2010.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	493	Map Index: 73928	EO Index: 74922	Element Last Seen:	2017-08-31
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-08-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-24

Quad Summary: Tunnel Hill (3812086), Michigan Bluff (3912016)

County Summary: El Dorado, Placer

Lat/Long:	38.9931 / -120.72214	Accuracy:	nonspecific area
UTM:	Zone-10 N4318479 E697274	Elevation (ft):	1187
PLSS:	T13N, R11E, Sec. 11 (M)	Acres:	92.0

Location: RUBICON RIVER, 0.5 TO 1.9 MILES UPSTREAM OF ITS CONFLUENCE WITH MIDDLE FORK AMERICAN RIVER, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological: MAINSTEM OF RUBICON RIVER. BOULDER, COBBLE AND BEDROCK DOMINANT SUBSTRATES. RIPARIAN VEGETATION PATCHY. CANOPY COVER TYPICALLY LESS THAN 25%. FLOWS REGULATED BY HELL HOLE RESERVOIR.

General: DETECTED IN 1997, 2001, 2002 & 2017. 24 OBSERVED IN 2005. 44 ADULTS, 21 JUVENILES, 101 YOUNG-OF-YEAR, 2,959 TADPOLES AND 25 EGG MASSES FOUND IN 2007. ADULTS, JUVENILES, EGG MASSES DETECTED IN 2009. 11 DETECTED IN 2016.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	494	Map Index:	73930	EO Index:	74930	Element Last Seen:	2015-08-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2015-08-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-09-21	
Quad Summary:	Tunnel Hill (3812086)						
County Summary:	El Dorado, Placer						
Lat/Long:	38.98333 / -120.68453	Accuracy:	nonspecific area				
UTM:	Zone-10 N4317477 E700559	Elevation (ft):	1607				
PLSS:	T13N, R12E, Sec. 18 (M)	Acres:	255.0				
Location:	NEAR THE CONFLUENCE OF LONG CANYON AND RUBICON RIVER, ELDORADO NATIONAL FOREST, 10 MILES NE OF GEORGETOWN.						
Detailed Location:	MAPPED ACCORDING TO SURVEY SITES ALONG RUBICON RIVER ABOVE AND BELOW LONG CANYON, AND ALSO ALONG THE LOWER SECTION OF LONG CANYON.						
Ecological:	BOULDER, COBBLE, AND BEDROCK ARE DOMINANT SUBSTRATES. PATCHY RIPARIAN VEGETATION WITH CANOPY COVER TYPICALLY LESS THAN 25%. LIGHT RECREATIONAL USE (FISHING).						
General:	DETECTIONS OF ALL LIFE STAGES, INCLUDING SEVERAL TO DOZENS OF ADULTS, AND UP TO THOUSANDS OF LARVAE, VARIOUSLY FOUND DURING SURVEYS IN 1993, 1996, 1998, 2005, 2007, 2009, 2013, 2014, AND 2015.						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	496	Map Index:	73933	EO Index:	74941	Element Last Seen:	2007-08-27
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2007-08-27	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-05-09	
Quad Summary:	Devil Peak (3812085)						
County Summary:	El Dorado, Placer						
Lat/Long:	38.91544 / -120.57261	Accuracy:	nonspecific area				
UTM:	Zone-10 N4310195 E710455	Elevation (ft):	2652				
PLSS:	T12N, R13E, Sec. 6, SW (M)	Acres:	59.0				
Location:	RUBICON RIVER, 1.1 TO 2.0 MILES UPSTREAM OF PIGEON ROOST CANYON, NE OF STUMPY MEADOWS LAKE, ELDORADO NATIONAL FOREST.						
Detailed Location:	MAPPED TO SURVEY REACH.						
Ecological:	MAINSTEM OF RUBICON RIVER. BOULDER, COBBLE AND BEDROCK DOMINANT SUBSTRATES. RIPARIAN VEGETATION PATCHY. CANOPY COVER TYPICALLY LESS THAN 25%. FLOWS REGULATED BY HELL HOLE RESERVOIR.						
General:	200 TADPOLES & 24 EGG MASSES OBSERVED ON 30 MAY 2007. 3 ADULTS, 1 SUBADULT & 4500 TADPOLES OBSERVED ON 14 JUN 2007. 3 ADULTS, 67 YOUNG-OF-YEAR & 25 TADPOLES ON 27 AUG 2007.						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	497	Map Index: 73934	EO Index: 74943	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-21
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado, Placer				
Lat/Long:	38.95512 / -120.48714		Accuracy:	nonspecific area	
UTM:	Zone-10 N4314800 E717745		Elevation (ft):	3330	
PLSS:	T13N, R13E, Sec. 23, SE (M)		Acres:	84.0	
Location:	RUBICON RIVER, NEAR CROSSING OF ELEVEN PINES ROAD, 6 AIR MILES NW OF UNION VALLEY RESERVOIR, ELDORADO NATIONAL FOREST.				
Detailed Location:	MAPPED FROM 0.5 MILE UPSTREAM TO 0.8 MILE DOWNSTREAM OF THE BRIDGE.				
Ecological:	BOULDER, COBBLE AND BEDROCK DOMINANT SUBSTRATES. RIPARIAN VEGETATION PATCHY. CANOPY COVER TYPICALLY LESS THAN 25%. FLOWS REGULATED BY HELL HOLE RESERVOIR.				
General:	3 ADULTS DETECTED IN AUG 1993. 2 ADULTS AND 4 EGG MASSES FOUND ON 29 MAY 2007. 400 LARVAE FOUND 13 JUN 2007. EGG MASSES DETECTED IN 2009-2010.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	1895	Map Index: A9260	EO Index: 111103	Element Last Seen:	2002-05-15
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2002-05-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-02
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	Placer				
Lat/Long:	38.99844 / -120.68887		Accuracy:	80 meters	
UTM:	Zone-10 N4319145 E700140		Elevation (ft):	2774	
PLSS:	T13N, R12E, Sec. 7, NW (M)		Acres:	5.0	
Location:	DRAINAGE TO RUBICON RIVER, ABOUT 0.7 MILE EAST OF PENNSYLVANIA POINT, SOUTH OF RALSTON RIDGE, ELDORADO NATIONAL FOREST.				
Detailed Location:	MAPPED TO COORDINATES PROVIDED.				
Ecological:					
General:	1 CAUGHT AND RELEASED ON 15 MAY 2002.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	1897	Map Index: A9267	EO Index: 111110	Element Last Seen:	1996-10-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1996-10-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-03
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado, Placer				
Lat/Long:	38.95874 / -120.67301		Accuracy:	1/10 mile	
UTM:	Zone-10 N4314773 E701627		Elevation (ft):	1723	
PLSS:	T13N, R12E, Sec. 19, SE (M)		Acres:	18.0	
Location:	RUBICON RIVER, 1.0 MILE SE OF ITS CONFLUENCE WITH PILOT CREEK, 6 MILES EAST OF VOLCANOVILLE, ELDORADO NATIONAL FOREST.				
Detailed Location:					
Ecological:					
General:	1 ADULT DETECTED IN OCT 1996.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	1898	Map Index: A9269	EO Index: 111112	Element Last Seen:	2001-08-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-08-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-08
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.92204 / -120.72703		Accuracy:	1/10 mile	
UTM:	Zone-10 N4310581 E697047		Elevation (ft):	3036	
PLSS:	T12N, R11E, Sec. 3, NE (M)		Acres:	18.0	
Location:	0.6 MILE NE OF CONFLUENCE OF ROCK CREEK AND CANYON CREEK, 6 MILES EAST OF GEORGETOWN, ELDORADO NATIONAL FOREST.				
Detailed Location:	ALONG A TRIBUTARY TO CANYON CREEK.				
Ecological:					
General:	DETECTED ON 10 AUG 2001.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	1900	Map Index: A9276	EO Index: 111120	Element Last Seen:	2010-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2010-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-18
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado, Placer				
Lat/Long:	38.96996 / -120.4698		Accuracy:	80 meters	
UTM:	Zone-10 N4316488 E719202		Elevation (ft):	3553	
PLSS:	T13N, R13E, Sec. 13, SW (M)		Acres:	5.0	
Location:	CONFLUENCE OF MAINSTEM RUBICON RIVER WITH SOUTH FORK RUBICON RIVER, SW OF HELL HOLE RESERVOIR, ELDORADO NATIONAL FOREST.				
Detailed Location:					
Ecological:					
General:	EGG MASSES DETECTED IN 2009-2010.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	1903	Map Index: A9290	EO Index: 111134	Element Last Seen: 1958-07-18
Occ. Rank:	None		Presence: Extirpated	Site Last Seen: 2017-06-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-09-21

Quad Summary: Placerville (3812067)

County Summary: El Dorado

Lat/Long:	38.71676 / -120.83642	Accuracy:	2/5 mile
UTM:	Zone-10 N4287568 E688103	Elevation (ft):	1530
PLSS:	T10N, R10E, Sec. 14, SE (M)	Acres:	280.0

Location: WEBBER CREEK, IN VICINITY OF FORNI RD, SOUTHWEST PLACERVILLE.

Detailed Location: INCLUDES COLLECTIONS FROM "WEBBER CRK AT BRIDGE 0.6 MI S HWY 50, PLACERVILLE," AND "WEBBER CREEK, 2.2 MI WSW PLACERVILLE."

Ecological:

General: 4 COLLECTED ON 1 JUN 1952. COLLECTED ON 18 JUL 1958 (HOUSED AT CSU, SACRAMENTO). NONE DETECTED VIA EDNA ON 22 JUN 2017. ACCORDING TO JENNINGS AND LIND, RANA BOYLII IS EXTIRPATED AT THIS LOCATION.

Owner/Manager: PVT

Occurrence No.	1904	Map Index: A9294	EO Index: 111139	Element Last Seen: 1961-03-31
Occ. Rank:	None		Presence: Extirpated	Site Last Seen: 2017-06-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-09-21

Quad Summary: Placerville (3812067)

County Summary: El Dorado

Lat/Long:	38.65573 / -120.85374	Accuracy:	1/5 mile
UTM:	Zone-10 N4280759 E686756	Elevation (ft):	1640
PLSS:	T09N, R10E, Sec. 11, NW (M)	Acres:	70.0

Location: HIGHWAY 49, 2 MILES SOUTH OF THE TOWN OF EL DORADO.

Detailed Location:

Ecological:

General: 1 COLLECTED ON 31 MAR 1961. NONE DETECTED VIA EDNA ON 24 JUN 2017. ACCORDING TO JENNINGS, RANA BOYLII IS EXTIRPATED FROM THIS LOCATION.

Owner/Manager: UNKNOWN

Occurrence No.	1905	Map Index: A9296	EO Index: 111141	Element Last Seen: 1942-10-19
Occ. Rank:	None		Presence: Extirpated	Site Last Seen: 1942-10-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-09-21

Quad Summary: Placerville (3812067)

County Summary: El Dorado

Lat/Long:	38.63492 / -120.81808	Accuracy:	2/5 mile
UTM:	Zone-10 N4278523 E689914	Elevation (ft):	1000
PLSS:	T09N, R10E, Sec. 13, E (M)	Acres:	280.0

Location: MARTINEZ CREEK AND SQUAW HOLLOW CREEK, ABOUT 4 MILES SOUTH OF THE TOWN OF EL DORADO.

Detailed Location:

Ecological:

General: COLLECTIONS WERE MADE IN THIS VICINITY ON 22 JUL 1942 AND 19 OCT 1942. ACCORDING TO JENNINGS, RANA BOYLII IS EXTIRPATED FROM VICINITY.

Owner/Manager: UNKNOWN



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Occurrence No.	1907	Map Index: A9301	EO Index: 111145	Element Last Seen:	2003-08-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-09-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-02-13
Quad Summary:	Garden Valley (3812077)				
County Summary:	El Dorado				
Lat/Long:	38.78289 / -120.77901		Accuracy:	80 meters	
UTM:	Zone-10 N4295026 E692916		Elevation (ft):	1102	
PLSS:	T11N, R11E, Sec. 20, SW (M)		Acres:	5.0	
Location:	SOUTH FORK AMERICAN RIVER NEAR ROCK CREEK AND AMERICAN RIVER POWERHOUSE, NE OF CHILI BAR RESERVOIR.				
Detailed Location:	IN STREAM IN BURNED AREA BELOW SNAG AND DOWNSTREAM STRETCH FOR APPROXIMATELY 500 FEET. MAPPED ACCORDING TO COORDINATES PROVIDED.				
Ecological:	MAINLY LOW-GRADIENT RIFFLE WITH SOME POOL, RUN & POCKET-WATER. SUBSTRATE BOULDER BEDROCK, COBBLE & PEBBLE. AMPLE TERRESTRIAL COVER, MOSTLY DUFF AND LEAF LITTER AND MARGIN VEGETATION, MOSTLY GRASSES. BULLFROGS FOUND AT NEARBY SITES.				
General:	FROGS AND TADPOLES FOUND ON 20 AUG 2003. NONE DETECTED DURING RANA BOYLIИ VISUAL ENCOUNTER SURVEYS BETWEEN 12 JUL AND 22 SEP 2017.				
Owner/Manager:	BLM				
Occurrence No.	1909	Map Index: A9322	EO Index: 111166	Element Last Seen:	1996-06-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1996-06-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-10
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.79212 / -120.52317		Accuracy:	1/5 mile	
UTM:	Zone-10 N4296622 E715113		Elevation (ft):	4100	
PLSS:	T11N, R13E, Sec. 16, NE (M)		Acres:	70.0	
Location:	SOLDIER CREEK, 0.6 MILE EAST OF ITS CONFLUENCE WITH LITTLE SOLDIER CREEK, 4 MILES NE OF POLLOCK PINES.				
Detailed Location:					
Ecological:					
General:	ADULT AND POSSIBLE EGGMASS REMAINS DETECTED ON 13 JUN 1996.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	1911	Map Index: A9332	EO Index: 111176	Element Last Seen:	1960-09-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2002-05-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-20

Quad Summary: Kyburz (3812073), Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.76618 / -120.37846	Accuracy:	1/5 mile
UTM:	Zone-10 N4294094 E727767	Elevation (ft):	3500
PLSS:	T11N, R14E, Sec. 26, SE (M)	Acres:	70.0

Location: ALDER CREEK CAMPGROUND ALONG HIGHWAY 50, 5 MILES WEST OF KYBURZ, ELDORADO NATIONAL FOREST.

Detailed Location: SITE 250DT.

Ecological:

General: 6 COLLECTED ON 16 SEP 1960. NONE DETECTED IN THIS VICINITY ON 30 MAY 2002.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	1912	Map Index: A9338	EO Index: 111181	Element Last Seen:	1935-05-19
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2002-06-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-20

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.76406 / -120.33819	Accuracy:	1/5 mile
UTM:	Zone-10 N4293960 E731272	Elevation (ft):	3767
PLSS:	T11N, R15E, Sec. 30, SE (M)	Acres:	70.0

Location: SOUTH FORK AMERICAN RIVER, ABOUT 2.5 MILES WEST OF KYBURZ, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

General: 4 COLLECTED ON 19 MAY 1935. NONE DETECTED IN THIS VICINITY IN 2002.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	1915	Map Index: 68555	EO Index: 111189	Element Last Seen:	1916-07-31
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	2017-06-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-11-01

Quad Summary: Sly Park (3812065), Camino (3812066), Pollock Pines (3812075), Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.74770 / -120.61773	Accuracy:	1 mile
UTM:	Zone-10 N4291474 E707028	Elevation (ft):	
PLSS:	T10N, R12E, Sec. 02 (M)	Acres:	0.0

Location: 2 MILES WSW OF POLLOCK PINES.

Detailed Location: LOCATION DESCRIBED AS FYFFE. THE TOWN OF FYFFE WAS HISTORICALLY LOCATED ABOUT 2 MILES WSW OF THE CENTER OF TODAY'S POLLOCK PINES. 1997 THROUGH 2017 SAMPLING WAS PERFORMED ALONG NORTH FORK WEBBER CREEK IN THIS VICINITY.

Ecological:

General: 2 ADULTS COLLECTED ON 31 JUL 1916. NONE DETECTED ALONG NORTH FORK WEBBER CREEK DURING EITHER HERP SURVEYS IN 1997, 2000, 2001, 2002, 2003, OR VIA EDNA ON 22 JUN 2017. ACCORDING TO JENNINGS, RANA BOYLII IS EXTIRPATED FROM VICINITY.

Owner/Manager: UNKNOWN



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Occurrence No.	1916	Map Index: A9345	EO Index: 111190	Element Last Seen:	2004-06-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2004-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-08
Quad Summary:	Old Iron Mountain (3812064), Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.73315 / -120.50112		Accuracy:	1/5 mile	
UTM:	Zone-10 N4290130 E717208		Elevation (ft):	4000	
PLSS:	T10N, R13E, Sec. 11, NE (M)		Acres:	70.0	
Location:	DRAINAGE TO SLY PARK CREEK, EAST OF JENKINSON LAKE, SE OF POLLOCK PINES, ELDORADO NATIONAL FOREST.				
Detailed Location:					
Ecological:					
General:	DETECTED ON 1 JUN 2004.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	1917	Map Index: A9366	EO Index: 111211	Element Last Seen:	2007-08-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2007-08-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-08
Quad Summary:	Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.70375 / -120.53457		Accuracy:	80 meters	
UTM:	Zone-10 N4286787 E714388		Elevation (ft):	3330	
PLSS:	T10N, R13E, Sec. 22, NW (M)		Acres:	5.0	
Location:	CAMP CREEK, 1.2 MILES WNW OF BALTIC PEAK, SW OF JENKINSON LAKE, ELDORADO NATIONAL FOREST.				
Detailed Location:					
Ecological:					
General:	9 ADULTS, 2 JUVENILES, AND 7 LARVAE DETECTED ON 1 AUG 2007.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	1918	Map Index: A9370	EO Index: 111214	Element Last Seen:	1975-08-22
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1975-08-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-08
Quad Summary:	Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.66906 / -120.53308		Accuracy:	1/5 mile	
UTM:	Zone-10 N4282941 E714621		Elevation (ft):	3215	
PLSS:	T10N, R13E, Sec. 34, SW (M)		Acres:	70.0	
Location:	NORTH FORK COSUMNES RIVER AT CONSUMNES MINE ROAD, NEAR COSUMNES MINE, SOUTH OF JENKISON LAKE.				
Detailed Location:	LOCALITY DESCRIBED AS "COSUMNES RIV @ COSUMNES MINE RD, 10 MI SSW CAMINO." THIS SITE IS ACTUALLY SE OF CAMINO.				
Ecological:					
General:	DETECTED ON 22 AUG 1975.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	1919	Map Index: A9371	EO Index: 111216	Element Last Seen:	2001-05-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-05-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-08
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.67963 / -120.42216		Accuracy:	80 meters	
UTM:	Zone-10 N4284380 E724240		Elevation (ft):	4600	
PLSS:	T10N, R14E, Sec. 33, NE (M)		Acres:	5.0	
Location:	CAMP CREEK, 2.0 MILES WEST OF BRANDON CANYON, 11 MILES SE OF POLLOCK PINES, ELDORADO NATIONAL FOREST.				
Detailed Location:					
Ecological:					
General:	4 DETECTED ON 23 MAY 2001.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	1920	Map Index: 95764	EO Index: 111217	Element Last Seen:	2003-05-29
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2003-05-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-08
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.65138 / -120.40779		Accuracy:	2/5 mile	
UTM:	Zone-10 N4281280 E725577		Elevation (ft):	5000	
PLSS:	T09N, R14E, Sec. 10, NE (M)		Acres:	0.0	
Location:	ALONG NORTH FORK CONSUMNES RIVER NEAR CAPPS CROSSING CAMPGROUND, ELDORADO NATIONAL FOREST.				
Detailed Location:					
Ecological:					
General:	DETECTED ON 29 MAY 2003. DIFFERENT RECORDS INDICATE BOTH RANA SIERRAE AND R. BOYLII WERE FOUND HERE ON THIS DATE. WERE BOTH SPECIES FOUND, OR WAS THE IDENTIFICATION QUESTIONABLE? MORE INFORMATION IS NEEDED REGARDING THIS OCCURRENCE.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	1922	Map Index: 44948	EO Index: 111221	Element Last Seen:	1994-08-30
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1994-08-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-15
Quad Summary:	Omo Ranch (3812055)				
County Summary:	El Dorado				
Lat/Long:	38.58111 / -120.54868		Accuracy:	80 meters	
UTM:	Zone-10 N4273143 E713524		Elevation (ft):	3150	
PLSS:	T09N, R13E, Sec. 33, SW (M)		Acres:	0.0	
Location:	SOPIAGO CREEK NEAR APRIL FOOL MINE, ABOUT 1.2 MILES EAST OF OMO RANCH, ELDORADO NATIONAL FOREST.				
Detailed Location:					
Ecological:					
General:	1 ADULT DETECTED ON 30 AUG 1994.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	1923	Map Index: A9376	EO Index: 111222	Element Last Seen:	1941-03-28
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	1941-03-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-21
Quad Summary:	Fiddletown (3812057)				
County Summary:	El Dorado				
Lat/Long:	38.57866 / -120.84632		Accuracy:	1 mile	
UTM:	Zone-10 N4272221 E687602		Elevation (ft):	900	
PLSS:	T08N, R10E, Sec. 2 (M)		Acres:	1987.0	
Location:	VICINITY OF NASHVILLE.				
Detailed Location:					
Ecological:					
General:	2 COLLECTED ON 28 MAR 1941. ACCORDING TO JENNINGS, RANA BOYLII IS EXTIRPATED FROM THIS VICINITY.				
Owner/Manager:	UNKNOWN				
Occurrence No.	1924	Map Index: A9381	EO Index: 111227	Element Last Seen:	1973-05-12
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1973-05-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-08
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.79773 / -120.39676		Accuracy:	1/5 mile	
UTM:	Zone-10 N4297551 E726076		Elevation (ft):	5223	
PLSS:	T11N, R14E, Sec. 15, SW (M)		Acres:	70.0	
Location:	WINDMILLER RAVINE AT ICE HOUSE ROAD, SW OF ICE HOUSE RESERVOIR.				
Detailed Location:	LOCALITY DESCRIBED AS "WINDMILLER RAVINE CRK AT ICE HOUSE RD."				
Ecological:					
General:	COLLECTED ON 12 MAY 1973 (SPECIMEN HOUSED AT CSU, SACRAMENTO).				
Owner/Manager:	UNKNOWN				
Occurrence No.	1927	Map Index: A9424	EO Index: 111272	Element Last Seen:	1939-05-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1939-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-05-16
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.77373 / -120.39873		Accuracy:	1/5 mile	
UTM:	Zone-10 N4294881 E725981		Elevation (ft):	3426	
PLSS:	T11N, R14E, Sec. 27, N (M)		Acres:	70.0	
Location:	ALONG HIGHWAY 50 IN VICINITY OF WHITE HALL, 3 ROAD MILES EAST OF RIVERTON, NEAR SOUTH FORK AMERICAN RIVER.				
Detailed Location:	GIVEN LOCATION: "3 MI FROM RIVERTON ON RIVERTON-TAHOE RD," MOST LIKELY REFERS TO HWY 50 WHICH RUNS DIRECTLY FROM RIVERTON TO LAKE TAHOE AREA.				
Ecological:					
General:	ADULT COLLECTED ON 2 MAY 1939.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	1952	Map Index: A9503	EO Index: 111353	Element Last Seen:	2018-10-02
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2018-10-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-02-12
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.81097 / -120.58006		Accuracy:	specific area	
UTM:	Zone-10 N4298582 E710116		Elevation (ft):	2361	
PLSS:	T11N, R12E, Sec. 12, SE (M)		Acres:	29.0	
Location:	SILVER CREEK, 1.7 AIR MI N OF SOUTH FORK AMERICAN RIVER CONFLUENCE, 4 MI N OF POLLOCK PINES, ELDORADO NATIONAL FOREST.				
Detailed Location:	INCLUDES SITES C-3 & SFA-4.				
Ecological:	HABITAT DESCRIBED AS SEEP NEXT TO ACCESS ROAD, TRIBUTARY TO SILVER CREEK, STANDING WATER BEHIND AN ADIT & A CONNECTED SIDE POOL IN SLACKWATER/EDGEWATER HABITAT WITH NO RIPARIAN VEGETATION OVERHEAD.				
General:	ADULTS, SUBADULTS, LARVAE, AND EGG MASSES DETECTED IN 2003. TAPOLDS AND ADULTS FOUND IN 2004. 6 FROGS OBSERVED BETWEEN 8 JUN & 20 SEP 2016. 4 ADULTS FOUND IN 2017 & 1 ADULT, 1 JUVENILE, 3 LARVAE IN 2018.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	2257	Map Index: B0723	EO Index: 112591	Element Last Seen:	1850-XX-XX
Occ. Rank:	None		Presence: Extirpated	Site Last Seen:	2003-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-18
Quad Summary:	Garden Valley (3812077), Coloma (3812078)				
County Summary:	El Dorado				
Lat/Long:	38.8016 / -120.89057		Accuracy:	1 mile	
UTM:	Zone-10 N4296873 E683177		Elevation (ft):	747	
PLSS:	T11N, R10E, Sec. 17 (M)		Acres:	1987.0	
Location:	SOUTH FORK AMERICAN RIVER, IN VICINITY OF COLOMA, MARSHALL GOLD DISCOVERY STATE HISTORIC PARK.				
Detailed Location:	TYPE LOCALITY FOR RANA BOYLII. DEV05R0002 SITES CB-15, CB-16A, CB-16B.				
Ecological:	TADPOLE SPECIMENS NOW LOST BUT ACCORDING TO JEN87A0001, THEY WERE MOST LIKELY RANA BOYLII. SITE OF 1848 GOLD DISCOVERY, RIVER WAS IMPACTED BY PROSPECTING AND MINING ACITIVITES. MODERATE TO HIGH RECREATIONAL USE.				
General:	1 JUVENILE AND TADPOLES COLLECTED IN 1850. NONE DETECTED DURING 1998 HERP AND 2003 FYLF SURVEYS. ACCORDING TO JENNINGS, RANA BOYLII IS EXTIRPATED AT THIS SITE.				
Owner/Manager:	DPR, UNKNOWN				



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Occurrence No.	2258	Map Index: B0774	EO Index: 112645	Element Last Seen:	2018-09-05
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2018-09-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-24
Quad Summary:	Caldor (3812054)				
County Summary:	Amador				
Lat/Long:	38.5044 / -120.38533		Accuracy:	80 meters	
UTM:	Zone-10 N4265022 E727998		Elevation (ft):	3900	
PLSS:	T08N, R14E, Sec. 36, NW (M)		Acres:	5.0	
Location:	WEST PANTHER CREEK, 2.7 MILES NE OF NORTH FORK MOKELUMNE RIVER, ABOUT 10 MILES WEST OF SALT SPRINGS RESERVOIR.				
Detailed Location:	MAPPED TO COORDINATES PROVIDED.				
Ecological:	POOL-RIFLE STREAM WITH A VARIETY OF CANOPY CLOSURE. SURROUNDING LAND IS MANAGED TIMBERLAND.				
General:	1 ADULT OBSERVED ON 5 SEP 2018.				
Owner/Manager:	PVT				

<i>Rana sierrae</i>	Element Code: AAABH01340
Sierra Nevada yellow-legged frog	
Listing Status:	Federal: Endangered
	State: Threatened
	Other: CDFW_WL-Watch List, IUCN_EN-Endangered, USFS_S-Sensitive
Habitat:	General: ALWAYS ENCOUNTERED WITHIN A FEW FEET OF WATER. TADPOLES MAY REQUIRE 2 - 4 YRS TO COMPLETE THEIR AQUATIC DEVELOPMENT.
	Micro: <input type="checkbox"/>
	CNDDDB Element Ranks: Global: G1
	State: S1

Occurrence No.	1	Map Index: 33280	EO Index: 1766	Element Last Seen:	1995-09-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1995-09-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-08-26
Quad Summary:	Leek Spring Hill (3812063)				
County Summary:	El Dorado				
Lat/Long:	38.68272 / -120.34992		Accuracy:	nonspecific area	
UTM:	Zone-10 N4284902 E730514		Elevation (ft):	5500	
PLSS:	T10N, R15E, Sec. 30, S (M)		Acres:	64.0	
Location:	ALONG CAMP CREEK AND A TRIBUTARY NEAR PILLIKEN, E OF DARK CANYON, SW OF IRON MOUNTAIN RIDGE, ELDORADO NATIONAL FOREST.				
Detailed Location:					
Ecological:	EPHEMERAL STREAM WITH SMALL POOLS WITHIN FOREST OF YELLOW PINE AND INCENSE CEDAR.				
General:	ONE OBSERVED 26 JUL 1994. ONE ADULT OBSERVED ON 6 JULY 1995 BELOW CULVERT IN S 1/2 SW 1/4 SECTION 29. ONE ADULT CAPTURED AND RELEASED 14 SEP 1995 ALONG CREEK 0.3 MI SW OF PILLIKEN.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	25	Map Index: 22215	EO Index: 7839	Element Last Seen: 1992-08-19
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1992-08-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1993-03-11

Quad Summary: Loon Lake (3812083)
County Summary: El Dorado

Lat/Long:	38.90349 / -120.31665	Accuracy:	specific area
UTM:	Zone-10 N4309490 E732689	Elevation (ft):	6000
PLSS:	T12N, R15E, Sec. 08, NE (M)	Acres:	6.5

Location: BASSI FORK, TRIBUTARY TO BIG SILVER CREEK, 1.5 MILES WEST OF TWO PEAKS, ELDORADO NATIONAL FOREST.
Detailed Location:
Ecological: HABITAT CONSISTS OF A MOUNTAIN STREAM.
General: ONE ADULT FROG OBSERVED ON 19 AUG 1992.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	26	Map Index: 22214	EO Index: 7840	Element Last Seen: 1992-08-31
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1992-08-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1993-03-11

Quad Summary: Loon Lake (3812083)
County Summary: El Dorado

Lat/Long:	38.92408 / -120.30418	Accuracy:	specific area
UTM:	Zone-10 N4311807 E733703	Elevation (ft):	6280
PLSS:	T13N, R15E, Sec. 33, SW (M)	Acres:	6.5

Location: TRIBUTARY TO BASSI FORK, TRIBUTARY TO BIG SILVER CREEK, 1.7 MILES NW OF TWO PEAKS, ELDORADO NATIONAL FOREST.
Detailed Location:
Ecological: HABITAT CONSISTS OF A MOUNTAIN STREAM, WHICH BECOMES INTERMITTENT IN LATE SUMMER.
General: ONE JUVENILE FROG OBSERVED ON 31 AUG 1992.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	52	Map Index: 43010	EO Index: 43010	Element Last Seen: 2009-09-03
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2009-09-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2014-09-19

Quad Summary: Leek Spring Hill (3812063)
County Summary: El Dorado

Lat/Long:	38.68895 / -120.30451	Accuracy:	nonspecific area
UTM:	Zone-10 N4285709 E734444	Elevation (ft):	5600
PLSS:	T10N, R15E, Sec. 27, W (M)	Acres:	34.0

Location: ALDER CREEK AT ALDER CREEK ROAD, 3 MILES ESE OF SUMMIT OF IRON MOUNTAIN, ELDORADO NATIONAL FOREST.
Detailed Location:
Ecological: SITE LOGGED <20 YEARS AGO (AS OF 1993).
General: 2 ADULTS OBSERVED 28 JUL 1993. 3 OBSERVED 24 JUN 2004. 1 ADULT OBSERVED 30 JUN 2006. 2 OBSERVED 10 JUL 2006. 3 OBSERVED 25 JUN 2007. UNKNOWN NUMBER FOUND ON 3 SEP 2009.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	211	Map Index: 56076	EO Index: 56092	Element Last Seen:	2013-08-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2013-08-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-03-24
Quad Summary:	Pyramid Peak (3812072), Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.76028 / -120.24759		Accuracy:	specific area	
UTM:	Zone-10 N4293774 E739157		Elevation (ft):	5300	
PLSS:	T10N, R16E, Sec. 06, W (M)		Acres:	85.0	
Location:	MIDDLE CREEK, FROM ABOUT 0.6 TO 1.5 MILE EAST OF JUNCTION WITH SILVER FORK AMERICAN RIVER, ELDORADO NATIONAL FOREST.				
Detailed Location:	MAPPED BY CNDDDB BASED ON GIS DATA PROVIDED BY CA DEPARTMENT OF FISH AND WILDLIFE, US FOREST SERVICE, AND G. FELLERS.				
Ecological:	HABITAT CONSISTED OF A LOW-GRADIENT SECTION OF CREEK CONTAINING RIFFLES AND SMALL BOULDER CASCADES/PLUNGE POOLS; AQUATIC SUBSTRATE PRIMARILY COBBLE/BOULDER. CREEK FULLY EXPOSED TO SUNLIGHT, WITH SHRUBS ALONG THE CREEK MARGIN.				
General:	DETECTED IN 1993, 1994, ANNUALLY 1998-2005, 2007, 2008, 2009, 2010, 2012 & 2013. POPULATIONS AS HIGH AS 17 ADULTS, 161 SUBADULTS, 5 METAMORPHS, 113 LARVAE & 26 EGG MASSES WERE OBSERVED IN CERTAIN YEARS. 1605 OBSERVED (UNKNOWN AGE) IN 2004.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	500	Map Index: 75507	EO Index: 76511	Element Last Seen:	1966-04-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1966-04-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-08
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.80338 / -120.39852		Accuracy:	1 mile	
UTM:	Zone-10 N4298173 E725905		Elevation (ft):		
PLSS:	T11N, R14E, Sec. 15 (M)		Acres:	0.0	
Location:	VICINITY OF ICEHOUSE ROAD ABOUT 5 ROAD MILES NE OF JUNCTION WITH HIGHWAY 50, ELDORADO NATIONAL FOREST.				
Detailed Location:	COLLECTION LOCALITY DESCRIBED AS "5 MI. NE RIVERTON ON ICEHOUSE RD." AT 6700 FT ELEV. ICEHOUSE ROAD DOESN'T REACH 6700'. HISTORIC MAPS SHOW ROAD WAS RE-ROUTED BETWEEN 1950 & 1973. MAPPED BY CNDDDB PRESUMING THE OLD, STEEPER ROUTE WAS TAKEN.				
Ecological:					
General:	COLLECTED BY P. FODOR ON 6 APR 1966.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	644	Map Index:	95698	EO Index:	96837	Element Last Seen:	1960-09-16
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-08-31	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-03-24	

Quad Summary: Pyramid Peak (3812072), Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.82016 / -120.23382	Accuracy:	1 mile
UTM:	Zone-10 N4300456 E740153	Elevation (ft):	
PLSS:	T11N, R16E, Sec. 08 (M)	Acres:	0.0

Location: 2 MILES SOUTH OF WRIGHTS LAKE, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

General: A SET OF COLLECTIONS WERE MADE IN THIS VICINITY ON 16 SEP 1960. NO R. SIERRAE WERE FOUND DURING A SURVEY OF DRY LAKE ON 31 AUG 2004.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	668	Map Index:	95760	EO Index:	96897	Element Last Seen:	2001-07-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2001-07-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-03-27	

Quad Summary: Tragedy Spring (3812062), Leek Spring Hill (3812063)

County Summary: El Dorado

Lat/Long:	38.63516 / -120.24693	Accuracy:	2/5 mile
UTM:	Zone-10 N4279888 E739632	Elevation (ft):	7200
PLSS:	T09N, R16E, Sec. 18, N (M)	Acres:	0.0

Location: LEEK SPRING VALLEY, NEAR HEAD OF NORTH FORK CONSUMNES RIVER, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

General: 40 TO 50 LARVAE WERE OBSERVED BY K. WHITENER ON 24 JUL 2001.

Owner/Manager: USFS-ELDORADO NF, DFG

Occurrence No.	669	Map Index:	95762	EO Index:	96899	Element Last Seen:	2004-06-01
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-06-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-03-27	

Quad Summary: Old Iron Mountain (3812064), Sly Park (3812065)

County Summary: El Dorado

Lat/Long:	38.73312 / -120.50094	Accuracy:	3/5 mile
UTM:	Zone-10 N4290126 E717223	Elevation (ft):	4000
PLSS:	T10N, R13E, Sec. 11 (M)	Acres:	0.0

Location: 3.5 MILES ENE OF SLY PARK DAM AT JENKINSON LAKE, EAST OF POLLOCK PINES.

Detailed Location: MAPPED BY CNDDB CENTERED ON A POINT PROVIDED BY USFS NRIS DATABASE. THIS POINT FALLS NEAR THE CENTER OF THE EAST HALF OF SECTION 11 AND MAY BE BASED ON TRS INFO. THIS OCCURRENCE IS LOWER IN ELEVATION THAN MOST DETECTIONS AND MAY BE SUSPECT.

Ecological:

General: DETECTION WAS MADE IN THIS VICINITY BY FOOTHILL ASSOCIATES ON 1 JUN 2004.

Owner/Manager: USFS-ELDORADO NF, PVT



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Occurrence No.	670	Map Index: 95764	EO Index: 96901	Element Last Seen:	2003-05-29
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2003-05-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-03-27

Quad Summary: Old Iron Mountain (3812064)
County Summary: El Dorado

Lat/Long:	38.65138 / -120.40779	Accuracy:	2/5 mile
UTM:	Zone-10 N4281280 E725577	Elevation (ft):	5000
PLSS:	T09N, R14E, Sec. 10, NE (M)	Acres:	0.0

Location: ALONG NORTH FORK CONSUMNES RIVER NEAR CAPP'S CROSSING CAMPGROUND, ELDORADO NATIONAL FOREST.

Detailed Location:

Ecological:

General: DETECTED ON 29 MAY 2003. DIFFERENT RECORDS INDICATE BOTH RANA SIERRAE AND R. BOYLII WERE FOUND HERE ON THIS DATE. WERE BOTH SPECIES FOUND, OR WAS THE IDENTIFICATION QUESTIONABLE? MORE INFORMATION IS NEEDED REGARDING THIS OCCURRENCE.

Owner/Manager: USFS-ELDORADO NF

Ardea alba		Element Code: ABNGA04040
great egret		
Listing Status:	Federal: None	CNDDB Element Ranks: Global: G5
	State: None	State: S4
	Other: CDF_S-Sensitive, IUCN_LC-Least Concern	
Habitat:	General: COLONIAL NESTER IN LARGE TREES.	
	Micro: ROOKERY SITES LOCATED NEAR MARSHES, TIDE-FLATS, IRRIGATED PASTURES, AND MARGINS OF RIVERS AND LAKES.	

Occurrence No.	34	Map Index: 68113	EO Index: 68254	Element Last Seen:	2006-06-06
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2006-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-02-13

Quad Summary: Placerville (3812067)
County Summary: El Dorado

Lat/Long:	38.70655 / -120.86679	Accuracy:	80 meters
UTM:	Zone-10 N4286372 E685487	Elevation (ft):	1513
PLSS:	T10N, R10E, Sec. 22, SW (M)	Acres:	0.0

Location: INDIAN CREEK, 0.4 MILE NORTH OF HIGHWAY 50 AND 1.5 MILES WSW OF PERKS CORNER, 2 MILES NW OF EL DORADO.

Detailed Location: ALONG THE WEST SIDE OF A LAKE FORMED IN INDIAN CREEK.

Ecological: NESTING SUBSTRATE CONSISTS OF A PONDEROSA PINE GROWING NEAR A ~10-ACRE PRIVATE LAKE.

General: ~10 INDIVIDUALS OBSERVED NESTING ON 6 JUN 2006.

Owner/Manager: PVT



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<i>Haliaeetus leucocephalus</i>		Element Code: ABNKC10010	
bald eagle			
Listing Status:	Federal: Delisted	CNDDDB Element Ranks:	Global: G5
	State: Endangered		State: S3
Other:	BLM_S-Sensitive, CDF_S-Sensitive, CDFW_FP-Fully Protected, IUCN_LC-Least Concern, USFS_S-Sensitive, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: OCEAN SHORE, LAKE MARGINS, AND RIVERS FOR BOTH NESTING AND WINTERING. MOST NESTS WITHIN 1 MILE OF WATER.		
	Micro: NESTS IN LARGE, OLD-GROWTH, OR DOMINANT LIVE TREE WITH OPEN BRANCHES, ESPECIALLY PONDEROSA PINE. ROOSTS COMMUNALLY IN WINTER.		

Occurrence No.	125	Map Index:	13640	EO Index:	11861	Element Last Seen:	1997-XX-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1997-XX-XX	Record Last Updated:	1998-03-10
Occ. Type:	Natural/Native occurrence		Trend:	Stable			
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.87691 / -120.38311		Accuracy:	1/10 mile			
UTM:	Zone-10 N4306372 E727010		Elevation (ft):	4960			
PLSS:	T12N, R14E, Sec. 23, NW (M)		Acres:	0.0			
Location:	UNION VALLEY RESERVOIR TERRITORY, ELDORADO NATIONAL FOREST.						
Detailed Location:	SOUTHERNMOST NESTING TERRITORY IN 1986. PREVIOUS NEST SITE LOCATED IN SECTION 14.						
Ecological:	NESTING TERRITORY; DISCOVERED IN 1986.						
General:	OCCUPIED AND SUCCESSFUL IN 1986 AND 1987. OCCUPIED (NOT SUCCESSFUL), 1988-91. 2 YOUNG FLEDGED IN 1992. 2 FLEDGED IN 1993. 2 YOUNG FLEDGED IN 1994. OCCUPIED (UNSUCCESSFUL), 1995-96. 2 FLEDGED IN 1997.						
Owner/Manager:	USFS-ELDORADO NF						



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<i>Accipiter striatus</i>		Element Code: ABNKC12020	
sharp-shinned hawk			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S4
	Other: CDFW_WL-Watch List, IUCN_LC-Least Concern		
Habitat:	General: PONDEROSA PINE, BLACK OAK, RIPARIAN DECIDUOUS, MIXED CONIFER, AND JEFFREY PINE HABITATS. PREFERS RIPARIAN AREAS.		
	Micro: NORTH-FACING SLOPES WITH PLUCKING PERCHES ARE CRITICAL REQUIREMENTS. NESTS USUALLY WITHIN 275 FT OF WATER.		

Occurrence No.	10	Map Index:	56349	EO Index:	56365	Element Last Seen:	2004-08-04
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2004-08-04	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-08-10	

Quad Summary: Kyburz (3812073)
County Summary: El Dorado

Lat/Long:	38.84522 / -120.37355	Accuracy:	80 meters
UTM:	Zone-10 N4302879 E727940	Elevation (ft):	5000
PLSS:	T12N, R14E, Sec. 35, NE (M)	Acres:	0.0

Location: BETWEEN UNION VALLEY RESERVOIR & ICE HOUSE RESERVOIR.
Detailed Location: BORDERED ON ONE SIDE BY THE MAIN ROAD BETWEEN ICE HOUSE & UNION VALLEY RESERVOIRS & AN ABOVE GROUND PIPELINE 5-6 FT IN DIAMETER WITH THE ACCOMPANYING ROW.
Ecological: WHR TYPE = SMC4D. A NARROW BAND OF TREES ABOUT 100 YDS IN WIDTH. A PINE PLANTATION OF 12-15 FT HIGH TREES AND A MEADOW ARE TO THE NORTH.
General: NEST IS IN A FORK IN THE BRANCHES IN A 9 INCH DBH, DUAL-TOPPED LODGEPOLE PINE THAT IS 25 FT TALL. 1 ADULT & 2 JUVENILES OBSERVED 4 AUG 2004. OSPREY & COOPER'S HAWK OBSERVED IN THE AREA.
Owner/Manager: PVT

<i>Accipiter gentilis</i>		Element Code: ABNKC12060	
northern goshawk			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S3
	Other: BLM_S-Sensitive, CDF_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive		
Habitat:	General: WITHIN, AND IN VICINITY OF, CONIFEROUS FOREST. USES OLD NESTS, AND MAINTAINS ALTERNATE SITES.		
	Micro: USUALLY NESTS ON NORTH SLOPES, NEAR WATER. RED FIR, LODGEPOLE PINE, JEFFREY PINE, AND ASPENS ARE TYPICAL NEST TREES.		



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Occurrence No.	124	Map Index:	12797	EO Index:	26685	Element Last Seen:	1980-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1980-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1989-08-10		
Quad Summary:	Slate Mtn. (3812076), Garden Valley (3812077)						
County Summary:	El Dorado						
Lat/Long:	38.81989 / -120.73799		Accuracy:	1 mile			
UTM:	Zone-10 N4299220 E696377		Elevation (ft):	2600			
PLSS:	T11N, R11E, Sec. 10, N (M)		Acres:	0.0			
Location:	ONE EYE CREEK.						
Detailed Location:							
Ecological:							
General:	EYRIE NUMBER ED004. ACTIVE IN SPRING 1980, BUT NO INFO ON ADULTS OR NUMBER OF YOUNG. (BROWN).						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	136	Map Index:	13243	EO Index:	26673	Element Last Seen:	1981-06-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1981-06-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1989-08-10		
Quad Summary:	Devil Peak (3812085)						
County Summary:	Placer						
Lat/Long:	38.97489 / -120.58437		Accuracy:	1/5 mile			
UTM:	Zone-10 N4316766 E709260		Elevation (ft):	3800			
PLSS:	T13N, R12E, Sec. 13, SE (M)		Acres:	0.0			
Location:	WALLACE CANYON.						
Detailed Location:							
Ecological:							
General:	EYRIE NUMBER PC002. NEST ACTIVE IN 1981. (BROWN).						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	145	Map Index:	13244	EO Index:	26662	Element Last Seen:	1981-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1981-XX-XX		
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:	1989-08-10		
Quad Summary:	Devil Peak (3812085), Greek Store (3912015)						
County Summary:	Placer						
Lat/Long:	38.98878 / -120.58465		Accuracy:	1 mile			
UTM:	Zone-10 N4318307 E709195		Elevation (ft):	3800			
PLSS:	T13N, R12E, Sec. 12, SE (M)		Acres:	0.0			
Location:	WALLACE CANYON (TRS PUTS THIS IN VICINITY LONG CANYON. WALLACE CANYON IN SECTION 13).						
Detailed Location:							
Ecological:							
General:	EYRIE NUMBER ED005. ACTIVE NEST IN 1981. (BROWN).						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	270	Map Index:	13601	EO Index:	26527	Element Last Seen:	1984-08-31
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1984-08-31	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1989-08-10	

Quad Summary: Leek Spring Hill (3812063), Old Iron Mountain (3812064)
County Summary: El Dorado

Lat/Long:	38.67628 / -120.39270	Accuracy:	1 mile
UTM:	Zone-10 N4284080 E726813	Elevation (ft):	5400
PLSS:	T10N, R14E, Sec. 35 (M)	Acres:	0.0

Location: BALTIC RIDGE.
Detailed Location:
Ecological:
General: EYRIE NUMBER ED006. ACTIVE NEST IN 1984. (HARTWELL).
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	302	Map Index:	33576	EO Index:	30088	Element Last Seen:	1997-07-15
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1999-06-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2000-02-16	

Quad Summary: Omo Ranch (3812055)
County Summary: El Dorado

Lat/Long:	38.53090 / -120.60475	Accuracy:	nonspecific area
UTM:	Zone-10 N4267441 E708785	Elevation (ft):	3000
PLSS:	T08N, R12E, Sec. 24 (M)	Acres:	627.7

Location: ALONG FARNHAM RIDGE, 1 MILE SE OF ROUND MOUNTAIN.
Detailed Location: 3 DIFFERENT NESTS OCCUPY THIS TERRITORY, ALL LOCATED IN DOUGLAS-FIRS (137- TO 164-FT TALL, 27- TO 38-INCH DBH), NESTS AGAINST THE BOLES.
Ecological: NEST STAND IS ADJACENT TO A DRAW & HAS OLD-GROWTH FEATURES (SMC 6). 95-100% CANOPY WITHIN 0.1 ACRE OF NEST TREE(S). 38-42% SLOPE; NNE ASPECT. 25-50% VISUAL BARRIER OF CLASS II DOGWOOD & ALDER. 25-50% GROUND COVER OF SHRUBS / FORBS.
General: TERRITORY #20 (94-ELD-3, 94-ELD-4, 96-ELD-5). 94-ELD-4: ACTIVE, 1993; INACTIVE, 1994-99. 94-ELD-3: 3 BRANCHING NEST/1 ADULT, 20 JUN 94; 1 FLEDGL, 26 JUN 95; 3 FLEDGED, 1997; INACTIVE, 1998-99. 96-ELD-5: 1 FLEDGED IN 1996; INACTIVE, 1999.
Owner/Manager: PVT



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Occurrence No.	303	Map Index:	33577	EO Index:	30070	Element Last Seen:	1994-08-10
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1999-07-20	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2000-02-07	
Quad Summary:	Devil Peak (3812085)						
County Summary:	El Dorado, Placer						
Lat/Long:	38.93407 / -120.60508			Accuracy:	nonspecific area		
UTM:	Zone-10 N4312187 E707585			Elevation (ft):	3900		
PLSS:	T13N, R12E, Sec. 35 (M)			Acres:	607.9		
Location:	NORTH OF STUMPY MEADOWS LAKE, IN THE VICINITY OF THE RUBICON RIVER.						
Detailed Location:	SITE CONSISTS OF TWO NEST SITES: #93-ELD-01 IS IN A CROOK WITH A NEW TOP OF A DOUGLAS-FIR (93-FT TALL, 14-INCH DBH), AND #93-ELD-02 IS OUT ON THE LIMB OF A DOUGLAS-FIR SNAG (107-FT TALL, 84-INCH DBH).						
Ecological:	NEST TREES ARE DOUGLAS-FIR. 97-99% CANOPY WITHIN 0.1 ACRE OF NEST TREES. 22-55% SLOPE; NORTH ASPECT. 1 NEST LOCATED IN NEARLY-PURE STAND OF DOUGLAS-FIR (WHR = SMC 4D); OTHER IN MIXED STAND OF DOUGLAS-FIR, INCENSE CEDAR, OAK (WHR = SMC 6).						
General:	TERRITORY #4 (93-ELD-1, 93-ELD-2). 93-ELD-2: ACTIVE IN 1992. 2 NESTLINGS OBS IN 1994. LIMB HOLDING NEST BROKE DURING WINTER 1994-95; INACTIVE 1995-99. 93-ELD-2: BIRD CALLING AT NEST ON 9 AUG 93; NESTLINGS OBS EARLIER. INACTIVE 1994-99.						
Owner/Manager:	PVT						

Occurrence No.	370	Map Index:	40176	EO Index:	35178	Element Last Seen:	1998-07-30
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1999-08-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2000-02-22	
Quad Summary:	Kyburz (3812073)						
County Summary:	El Dorado						
Lat/Long:	38.75896 / -120.31068			Accuracy:	1/5 mile		
UTM:	Zone-10 N4293463 E733680			Elevation (ft):	4500		
PLSS:	T11N, R15E, Sec. 33, NW (M)			Acres:	0.0		
Location:	SOUTH SIDE OF THE AMERICAN RIVER, BETWEEN CARPENTER CREEK AND THE SILVER FORK, SW OF KYBURZ.						
Detailed Location:	NEST IS LOCATED IN A CROOK WITH A NEW TOP IN A WHITE FIR (125 FT TALL, 27 INCH DBH).						
Ecological:	NEST TREE IS DOUGLAS-FIR WITHIN MIXED CONIFER FOREST (WHR TYPE = SMC 6). 93% CANOPY WITHIN 0.1 ACRE OF NEST TREE. 34% SLOPE ON NORTH SLOPE ASPECT. FORBS IN NW COVERING 50% OF QUADRANT. NUMEROUS LARGE WOODY DEBRIS TO CLASS SIZE 4 TO NORTH.						
General:	TERRITORY #62 (98-ELD-6). ACTIVE NEST WITH 1 ADULT & 3 NESTLINGS DISCOVERED, 24 JUN 1998. 2 FLEDGLINGS CALLED IN, 30 JUL 1998. NEST PRESENT, BUT INACTIVE, 26 AUG 1999.						
Owner/Manager:	PVT						

Strix nebulosa	Element Code: ABNSB12040						
great gray owl							
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G5		
	State:	Endangered		State:	S1		
	Other:	CDF_S-Sensitive, IUCN_LC-Least Concern, USFS_S-Sensitive					
Habitat:	General:	RESIDENT OF MIXED CONIFER OR RED FIR FOREST HABITAT, IN OR ON EDGE OF MEADOWS.					
	Micro:	REQUIRES LARGE DIAMETER SNAGS IN A FOREST WITH HIGH CANOPY CLOSURE, WHICH PROVIDE A COOL SUB-CANOPY MICROCLIMATE.					



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Occurrence No.	50	Map Index: 63534	EO Index: 63626	Element Last Seen:	2002-03-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2002-03-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2005-12-28

Quad Summary: Caldor (3812054)

County Summary: El Dorado

Lat/Long:	38.60353 / -120.49824	Accuracy:	1/10 mile
UTM:	Zone-10 N4275749 E717850	Elevation (ft):	4094
PLSS:	T09N, R13E, Sec. 25, SW (M)	Acres:	0.0

Location: SW EDGE OF LEONI MEADOW, ALONG CLEAR CREEK, ELDORADO NATIONAL FOREST.

Detailed Location: BIOS SITE ID = ELD0003.

Ecological:

General: NESTING KNOWN FROM THIS SITE WITH PAIR KNOWN TO BE ON AN ACTIVE NEST. BIRDS OBSERVED 21 MAR 2002.

Owner/Manager: USFS-ELDORADO NF

*** SENSITIVE ***

Occurrence No.	78	Map Index: 78260	EO Index: 79180	Element Last Seen:	2008-06-06
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2008-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-02-07

Quad Summary: Aukum (3812056)

County Summary: El Dorado

Lat/Long:		Accuracy:	80 meters
UTM:		Elevation (ft):	2540
PLSS:		Acres:	0.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: PINE & OAK SAVANNAH. RIPARIAN. PAST HISTORY OF FOREST MANAGEMENT. NEST TREE IS ON A BLACK OAK SNAG. OCCURRENCE SUPPRESSED DUE TO CONCERNS OF DISTURBANCE FROM AN INDIVIDUAL WHO BRINGS BIRDING GROUPS TO THE NEST SITES.

General:

Owner/Manager:



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*** SENSITIVE ***

Occurrence No.	79	Map Index: 78261	EO Index: 79181	Element Last Seen:	2007-06-06
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2007-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-02-07

Quad Summary: Aukum (3812056)

County Summary: El Dorado

Lat/Long:		Accuracy:	80 meters
UTM:		Elevation (ft):	2780
PLSS:		Acres:	0.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: RIPARIAN OAK SAVANNAH. NEST WAS IN A BROKEN BRANCH ON A VALLEY OAK TREE. SITE IS PROTECTED. OCCURRENCE SUPPRESSED DUE TO CONCERNS OF DISTURBANCE FROM AN INDIVIDUAL WHO BRINGS BIRDING GROUPS TO THE NEST SITES.

General:

Owner/Manager:

*** SENSITIVE ***

Occurrence No.	80	Map Index: 78262	EO Index: 79182	Element Last Seen:	2006-06-06
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2006-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-02-07

Quad Summary: Aukum (3812056)

County Summary: El Dorado

Lat/Long:		Accuracy:	80 meters
UTM:		Elevation (ft):	2800
PLSS:		Acres:	0.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: SIERRA MIXED CONIFER WITH LAVACAP/MEADOW 0.3 MI SOUTH. NEST WAS IN A BLACK OAK SNAG. SITE IS PROTECTED. OCCURRENCE SUPPRESSED DUE TO CONCERNS OF DISTURBANCE FROM AN INDIVIDUAL WHO BRINGS BIRDING GROUPS TO THE NEST SITES.

General:

Owner/Manager:



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*** SENSITIVE ***

Occurrence No.	81	Map Index: 78263	EO Index: 79183	Element Last Seen:	2008-06-01
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2008-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-02-07

Quad Summary: Omo Ranch (3812055)

County Summary: El Dorado

Lat/Long:		Accuracy:	80 meters
UTM:		Elevation (ft):	3190
PLSS:		Acres:	0.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: SIERRA MIXED CONIFER & OAK SAVANNAH, WITH NO MEADOW OR MEADOW COMPLEX IN THE GENERAL AREA. AREA WAS MASTICATED IN 2006. OCCURRENCE SUPPRESSED DUE TO CONCERNS OF DISTURBANCE FROM AN INDIVIDUAL WHO BRINGS BIRDING GROUPS TO THE NEST SITES.

General:

Owner/Manager:

Riparia riparia

Element Code: ABPAU08010

bank swallow

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: Threatened		State: S2
	Other: BLM_S-Sensitive, IUCN_LC-Least Concern		

Habitat: **General:** COLONIAL NESTER; NESTS PRIMARILY IN RIPARIAN AND OTHER LOWLAND HABITATS WEST OF THE DESERT.
Micro: REQUIRES VERTICAL BANKS/CLIFFS WITH FINE-TEXTURED/SANDY SOILS NEAR STREAMS, RIVERS, LAKES, OCEAN TO DIG NESTING HOLE.

Occurrence No.	295	Map Index: 78087	EO Index: 85439	Element Last Seen:	1873-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1873-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-12-06

Quad Summary: Camino (3812066), Placerville (3812067), Shingle Springs (3812068), Slate Mtn. (3812076), Garden Valley (3812077), Coloma (3812078)

County Summary: El Dorado

Lat/Long:	38.72948 / -120.79835	Accuracy:	5 miles
UTM:	Zone-10 N4289058 E691378	Elevation (ft):	2000
PLSS:	T10N, R11E, Sec. 07 (M)	Acres:	0.0

Location: NEAR PLACERVILLE.

Detailed Location: LOCATION STATED AS "NEAR PLACERVILLE."

Ecological: COLONY NESTED IN THE "ROUGH FACE OF A HIGH GRAVELLY HILL, THAT HAD BEEN WASHED DOWN FOR YEARS BY THE PROCESS OF HYDRAULICING FOR GOLD."

General: AN ALBINO BANK SWALLOW OBSERVED SOMETIME DURING 1873.

Owner/Manager: UNKNOWN



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<i>Agelaius tricolor</i>		Element Code: ABPBXB0020	
tricolored blackbird			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2G3
	State: Threatened		State: S1S2
Other:	BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_EN-Endangered, NABCI_RWL-Red Watch List, USFWS_BCC-Birds of Conservation Concern		
Habitat:	General: HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.		
	Micro: REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.		

Occurrence No.	103	Map Index:	12562	EO Index:	24725	Element Last Seen:	19XX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2011-04-17
Occ. Type:	Natural/Native occurrence	Trend:	Decreasing	Record Last Updated:			2016-10-05

Quad Summary: Garden Valley (3812077), Coloma (3812078)
County Summary: El Dorado

Lat/Long:	38.7643 / -120.8695	Accuracy:	3/5 mile
UTM:	Zone-10 N4292777 E685104	Elevation (ft):	1664
PLSS:	T11N, R10E, Sec. 33 (M)	Acres:	776.0

Location: ONE MILE EAST ON GOLD HILL ROAD, NEAR THE INTERSECTION OF HIGHWAY 49, GOLDFILL.
Detailed Location: HISTORIC LOCATION DESCRIBED AS "1 MI ON GOLD HILL RD NEAR INTERSECTION W/ HWY 49." 2000 LOCATION DESCRIBED AS "GOLD HILL ROAD, APPROX. 0.25 MI WEST OF HWY 49." COLONY DATA STORED IN THE UCD TRBL PORTAL; SITE NAME WAS "GOLD HILL ROAD."
Ecological: NESTING SUBSTRATE WAS CATTAILS. HABITAT APPEARS TO BE SUITABLE BASED ON AERIAL IMAGERY. SEVERAL PONDS IN THE AREA.
General: COLONY OF APPROXIMATELY 75 OBSERVED AT AN UNKNOWN DATE (M. SIPPSMEYER); PRESUMED NESTING. SITE CHECKED ON 30 JUN 1992; HABITAT STILL PRESENT, BUT NO BIRDS OBSERVED. 0 BIRDS OBSERVED ON 23 APR 2000 AND 17 APR 2011.
Owner/Manager: UNKNOWN

<i>Myotis yumanensis</i>		Element Code: AMACC01020	
Yuma myotis			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5
	State: None		State: S4
Other:	BLM_S-Sensitive, IUCN_LC-Least Concern, WBWG_LM-Low-Medium Priority		
Habitat:	General: OPTIMAL HABITATS ARE OPEN FORESTS AND WOODLANDS WITH SOURCES OF WATER OVER WHICH TO FEED.		
	Micro: DISTRIBUTION IS CLOSELY TIED TO BODIES OF WATER. MATERNITY COLONIES IN CAVES, MINES, BUILDINGS OR CREVICES.		



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Occurrence No.	13	Map Index: 52588	EO Index: 52588	Element Last Seen:	2002-07-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-07-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-14
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.85225 / -120.45716		Accuracy:	1/5 mile	
UTM:	Zone-10 N4303454 E720661		Elevation (ft):	4450	
PLSS:	T12N, R14E, Sec. 30, SW (M)		Acres:	0.0	
Location:	SILVER CREEK, VICINITY OF JUNCTION RESERVOIR INTAKE, 1.4 MILES SW OF UNION VALLEY RESERVOIR.				
Detailed Location:	THE AREA SURROUNDING THE TRAPPING LOCATION WAS FORAGED BY NUMEROUS OTHER BATS; INDIVIDUALS OBSERVED FEEDING OVER THE WATER SURFACE AND AROUND THE INTAKE STRUCTURE, BUT NO EVIDENCE OF ROOSTING IN THE INTAKE STRUCTURE.				
Ecological:	HABITAT CONSISTS OF A RIPARIAN-LINED RESERVOIR SHORE, WITH A ROAD CREATING A BREAK BETWEEN THE SHORELINE AND CLIFF. CLIFF CONTAINS SCATTERED SNAGS/SPARSE CONIFEROUS FOREST (NORTH FACING). 10% CANOPY COVER AT TRAPPING SITE; 3 CANOPY LAYERS.				
General:	1 ADULT & CAPTURED ON 18 JUL 2002.				
Owner/Manager:	SMUD				
Occurrence No.	14	Map Index: 52596	EO Index: 52596	Element Last Seen:	2002-07-19
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-07-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-14
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.81161 / -120.62202		Accuracy:	1/5 mile	
UTM:	Zone-10 N4298557 E706470		Elevation (ft):	2915	
PLSS:	T11N, R12E, Sec. 10, SE (M)		Acres:	0.0	
Location:	BRUSH CREEK DAM AND INTAKE STRUCTURE, NW END OF POHO RIDGE.				
Detailed Location:	THE AREA SURROUNDING THE TRAPPING LOCATION WAS FORAGED BY NUMEROUS OTHER BATS; INDIVIDUALS OBSERVED FEEDING OVER THE WATER SURFACE AND AROUND THE INTAKE STRUCTURE, BUT NO EVIDENCE OF ROOSTING IN THE INTAKE STRUCTURE.				
Ecological:	HABITAT CONSISTS OF MIXED CONIFEROUS FOREST (PINE, FIR) WITH A MANZANITA UNDERSTORY; DECIDUOUS TREES AND SHRUBS FOUND ALONG THE RESERVOIR SHORELINE. 10% CANOPY WITH TWO CANOPY LAYERS. CLIFFS PRESENT ALONG THE SOUTH SIDE OF THE ACCESS ROAD.				
General:	2 ADULTS CAPTURED ON 19 JUL 2002.				
Owner/Manager:	SMUD				



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Occurrence No.	15	Map Index: 52597	EO Index: 52597	Element Last Seen:	2002-07-20
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-07-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-15
Quad Summary:	Slate Mtn. (3812076)				
County Summary:	El Dorado				
Lat/Long:	38.77242 / -120.70089		Accuracy:	nonspecific area	
UTM:	Zone-10 N4294033 E699731		Elevation (ft):	1850	
PLSS:	T11N, R11E, Sec. 25, N (M)		Acres:	75.0	
Location:	SLAB CREEK DAM AND POWERHOUSE, BETWEEN WHITE OAK POINT AND IOWA HILL.				
Detailed Location:	NO EVIDENCE OF ROOSTING IN THE POWERHOUSE STRUCTURE.				
Ecological:	HABITAT CONSISTS OF OAK/BUCKEYE/MANZANITA ON THE POWERHOUSE SIDE, WHILE THE NORTH SIDE CONSISTS OF CONIFERS/MANZANITA, WITH ABUNDANT GRASSES. CLIFFS/SNAGS PRESENT ALONG WITH THE CONCRETE POWERHOUSE. 2% CANOPY COVER WITH TWO CANOPY LAYERS.				
General:	17 ADULTS AND 17 JUVENILES TRAPPED ON 20 JUL 2002 (KLA04U0001 REPORTS 14 MALES & 20 FEMALES TRAPPED). 1 MALE AND 1 FEMALE CAPTURED BY MIST NET AND RELEASED ON 14 AUG 2003.				
Owner/Manager:	SMUD				
Occurrence No.	16	Map Index: 52600	EO Index: 52600	Element Last Seen:	2004-07-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2004-07-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-07-02
Quad Summary:	Garden Valley (3812077)				
County Summary:	El Dorado				
Lat/Long:	38.76443 / -120.78804		Accuracy:	1/5 mile	
UTM:	Zone-10 N4292959 E692180		Elevation (ft):	993	
PLSS:	T11N, R11E, Sec. 31, NE (M)		Acres:	0.0	
Location:	AMERICAN RIVER SOUTHFORK, AT THE TOP END OF THE CHILI BAR RESERVOIR, IN THE VICINITY OF THE SMUD WHITE ROCK POWERHOUSE.				
Detailed Location:	NUMEROUS BRAZILIAN FREE-TAILED BATS & A FEW YUMA MYOTIS UTILIZED AREA BELOW POWERHOUSE DECK. CONCRETE POWERHOUSE & GENTRY CRANE PROVIDE ROOSTING AREA. LONG-TERM SITE USE INDICATED BY EXTENSIVE GUANO DEPOSITS & STAINING ON CONCRETE CEILING.				
Ecological:	HABITAT CONSISTS OF CANYON/CLIFF VEGETATION, DOMINATED BY OAKS AND BUCKEYES. ALONG THE RIVER, COTTONWOODS DOMINATE, WITH AN OCCASIONAL CONIFER. 12% CANOPY COVER NEAR TRAP SITE.				
General:	4 ADULTS, 6 JUVENILES, AND 2 OF UNKNOWN AGE TRAPPED ON 25 JUL 2002. 6 ADULTS AND 7 JUVENILES MIST-NETTED 21 JUL 2004. ALSO IN 2004, NIGHT ROOST LOCATED DOWNSTREAM OF MIST NETTING LOCATION.				
Owner/Manager:	SMUD				



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Occurrence No.	27	Map Index: 55193	EO Index: 55193	Element Last Seen:	2003-08-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2003-08-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-04-19

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.81351 / -120.57988	Accuracy:	80 meters
UTM:	Zone-10 N4298865 E710124	Elevation (ft):	2760
PLSS:	T11N, R12E, Sec. 12, SE (M)	Acres:	0.0

Location: CAMINO TUNNEL ADIT, ALONG THE CAMINO DAM REACH OF SOUTH FORK SILVER CREEK, NW OF PLACERVILLE.

Detailed Location: ACCESS TO THE ADIT IS LOCATED AT THE END OF A ROAD, WHICH ALSO FORMS A LARGE BENCH (<50 YARDS WIDE X 100 YARDS LONG). PUBLIC ACCESS IS CONTROLLED VIA A LOCKED GATE AND FENCING THAT COVERS THE ADIT ENTRANCE.

Ecological: HABITAT CONSISTS OF OAK HARDWOOD FOREST INTERMIXED WITH A FEW CONIFERS, ON A SE-FACING SLOPE, WHICH GENERALLY EXCEEDS 45-DEGREES; A STEEP DRAINAGE IS LOCATED WEST OF THE ADIT.

General: 2 ADULTS CAPTURED ON 14 AUG 2003; BATS WERE FLYING INTO AND OUT OF THE ADIT, BUT DID NOT APPEAR TO BE ROOSTING.

Owner/Manager: SMUD

<i>Myotis thysanodes</i>		Element Code: AMACC01090	
fringed myotis			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4
	State: None		State: S3
	Other: BLM_S-Sensitive, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority		
Habitat:	General: IN A WIDE VARIETY OF HABITATS, OPTIMAL HABITATS ARE PINYON-JUNIPER, VALLEY FOOTHILL HARDWOOD & HARDWOOD-CONIFER.		
	Micro: USES CAVES, MINES, BUILDINGS OR CREVICES FOR MATERNITY COLONIES AND ROOSTS.		

Occurrence No.	17	Map Index: 52588	EO Index: 62697	Element Last Seen:	2002-07-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-07-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-14

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.85225 / -120.45716	Accuracy:	1/5 mile
UTM:	Zone-10 N4303454 E720661	Elevation (ft):	4450
PLSS:	T12N, R14E, Sec. 30, SW (M)	Acres:	0.0

Location: SILVER CREEK, VICINITY OF JUNCTION RESERVOIR INTAKE, 1.4 MILES SW OF UNION VALLEY RESERVOIR.

Detailed Location: THE AREA SURROUNDING THE TRAPPING LOCATION WAS FORAGED BY NUMEROUS OTHER BATS; INDIVIDUALS OBSERVED FEEDING OVER THE WATER SURFACE AND AROUND THE INTAKE STRUCTURE, BUT NO EVIDENCE OF ROOSTING IN THE INTAKE STRUCTURE.

Ecological: HABITAT CONSISTS OF A RIPARIAN-LINED RESERVOIR SHORE, WITH A ROAD CREATING A BREAK BETWEEN THE SHORELINE AND CLIFF. CLIFF CONTAINS SCATTERED SNAGS/SPARSE CONIFEROUS FOREST (NORTH FACING). 10% CANOPY COVER AT TRAPPING SITE; 3 CANOPY LAYERS.

General: 1 ADULT & CAPTURED 18 JUL 2002.

Owner/Manager: SMUD



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Occurrence No.	58	Map Index: 68603	EO Index: 68987	Element Last Seen:	2001-06-23
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2001-06-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-20

Quad Summary: Sly Park (3812065)

County Summary: El Dorado

Lat/Long: 38.70267 / -120.54568 **Accuracy:** nonspecific area

UTM: Zone-10 N4286642 E713424 **Elevation (ft):** 3600

PLSS: T10N, R13E, Sec. 21 (M) **Acres:** 610.0

Location: EL DORADO NATIONAL FOREST, JUST EAST OF FLEMING MEADOW.

Detailed Location: SITE L2 C. MAPPED IN SECTION 21 ACCORDING TO T-R-S DATA PROVIDED BY SOURCE.

Ecological: OLD ROAD.

General: SITE SURVEYED 13 & 22 MAY AND 23 JUN 2001. 1 FEMALE CAPTURED ON 13 MAY AND 1 ON 23 JUN 2001.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	59	Map Index: 68605	EO Index: 68990	Element Last Seen:	2001-08-29
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2001-08-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-23

Quad Summary: Caldor (3812054)

County Summary: El Dorado

Lat/Long: 38.59808 / -120.49078 **Accuracy:** nonspecific area

UTM: Zone-10 N4275163 E718516 **Elevation (ft):** 4300

PLSS: T09N, R13E, Sec. 25 (M) **Acres:** 1355.0

Location: EL DORADO NATIONAL FOREST, SOUTH OF PLUMMER RIDGE, EAST & SOUTHEAST OF LEONI MEADOW.

Detailed Location: SITES L4 A AND L6 C. MAPPED IN SECTIONS 25 & 36 ACCORDING TO T-R-S AND UTM DATA PROVIDED BY SOURCE.

Ecological: OLD ROAD AND SMALL STREAM.

General: L4 A SURVEYED 24 MAY, 6 JUN, 11 JUL & 29 AUG 2001. 1 FEMALE OBSERVED ON 23 MAY IN SEC 36. L6 C SURVEYED 23 MAY, 5 JUN 12 JUL & 27 AUG. 1 FEMALE OBSERVED 29 AUG 2001 IN SEC 25. (CONFLICT BETWEEN DATES GIVEN FOR SURVEYS & OBSERVATIONS).

Owner/Manager: USFS-ELDORADO NF



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<i>Myotis volans</i>		Element Code: AMACC01110	
long-legged myotis			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5
	State: None		State: S3
	Other: IUCN_LC-Least Concern, WBWG_H-High Priority		
Habitat:	General: MOST COMMON IN WOODLAND AND FOREST HABITATS ABOVE 4000 FT. TREES ARE IMPORTANT DAY ROOSTS; CAVES AND MINES ARE NIGHT ROOSTS.		
	Micro: NURSERY COLONIES USUALLY UNDER BARK OR IN HOLLOW TREES, BUT OCCASIONALLY IN CREVICES OR BUILDINGS.		

Occurrence No.	93	Map Index: 68615	EO Index: 69001	Element Last Seen:	2001-09-01
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2001-09-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-21
Quad Summary:	Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.68752 / -120.54668		Accuracy:	nonspecific area	
UTM:	Zone-10 N4284958 E713382		Elevation (ft):	3600	
PLSS:	T10N, R13E, Sec. 28 (M)		Acres:	625.0	
Location:	EL DORADO NATIONAL FOREST, EAST OF HAPPY VALLEY, WEST OF MARSHALL MINE.				
Detailed Location:	PLOT ID L2 B. MAPPED IN SECTION 28 ACCORDING TO T-R-S DATA PROVIDED BY SOURCE.				
Ecological:	MEDIUM STREAM.				
General:	SITE SURVEYED 12 & 23 MAY, 23 JUN, 23 AUG & 1 SEP 2001. 1 MALE OBSERVED ON 1 SEP 2001.				
Owner/Manager:	USFS-ELDORADO NF				

Occurrence No.	94	Map Index: 68616	EO Index: 69002	Element Last Seen:	2001-05-10
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-05-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-03-21
Quad Summary:	Omo Ranch (3812055), Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.62167 / -120.56472		Accuracy:	nonspecific area	
UTM:	Zone-10 N4277608 E712007		Elevation (ft):	3480	
PLSS:	T09N, R13E, Sec. 20 (M)		Acres:	625.0	
Location:	EL DORADO NATIONAL FOREST, NORTH OF HENRYS DIGGINGS, SOUTH OF STRING CANYON. VICINITY OF STEELY FORK COSUMNES RIVER.				
Detailed Location:	PLOT ID L5 C. MAPPED IN SECTION 20 ACCORDING TO T-R-S DATA PROVIDED BY SOURCE.				
Ecological:	MEDIUM STREAM.				
General:	SITE SURVEYED 10 & 26 MAY, 3 JUL, 21 AUG & 2 SEP 2001. 2 FEMALES OBSERVED ON 10 MAY 2001.				
Owner/Manager:	USFS-ELDORADO NF				

<i>Lasionycteris noctivagans</i>		Element Code: AMACC02010	
silver-haired bat			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5
	State: None		State: S3S4
	Other: IUCN_LC-Least Concern, WBWG_M-Medium Priority		
Habitat:	General: PRIMARILY A COASTAL AND MONTANE FOREST DWELLER, FEEDING OVER STREAMS, PONDS & OPEN BRUSHY AREAS.		
	Micro:		



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ROOSTS IN HOLLOW TREES, BENEATH EXFOLIATING BARK, ABANDONED WOODPECKER HOLES, AND RARELY UNDER ROCKS. NEEDS DRINKING WATER.

Occurrence No.	1	Map Index:	52600	EO Index:	60994	Element Last Seen:	2004-07-23
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2004-07-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-04-14	
Quad Summary:	Garden Valley (3812077)						
County Summary:	El Dorado						
Lat/Long:	38.76443 / -120.78804		Accuracy:	1/5 mile			
UTM:	Zone-10 N4292959 E692180		Elevation (ft):	1000			
PLSS:	T11N, R11E, Sec. 31, NE (M)		Acres:	0.0			
Location:	SOUTH FORK OF THE AMERICAN RIVER, IN THE VICINITY OF THE WHITE ROCK POWERHOUSE.						
Detailed Location:							
Ecological:	SCRUBBY WILLOWS WITHIN BRAIDED A CHANNEL OF THE AMERICAN RIVER; SURROUNDED BY STEEP CANYONS WITH SCRUB AND MIXED OAK CONIFER.						
General:	ONE ADULT CAPTURED VIA MIST NETTING 21 JUL 2004, TWO JUVENILES CAPTURED VIA MIST NETTING 23 JUL 2004.						
Owner/Manager:	SMUD						

Occurrence No.	33	Map Index:	68555	EO Index:	68910	Element Last Seen:	1916-07-29
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1916-07-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2007-03-19	
Quad Summary:	Sly Park (3812065), Camino (3812066), Pollock Pines (3812075), Slate Mtn. (3812076)						
County Summary:	El Dorado						
Lat/Long:	38.74770 / -120.61773		Accuracy:	1 mile			
UTM:	Zone-10 N4291474 E707028		Elevation (ft):				
PLSS:	T10N, R12E, Sec. 02 (M)		Acres:	0.0			
Location:	2 MILES WSW OF POLLOCK PINES.						
Detailed Location:	LOCATION DESCRIBED AS FYFFE. THE TOWN OF FYFFE WAS HISTORICALLY LOCATED ABOUT 2 MILES WSW OF THE CENTER OF TODAY'S POLLOCK PINES.						
Ecological:							
General:	9 FEMALE & 2 MALE SPECIMENS (MVZ #24207-24215, 24303-24304) COLLECTED AT "FYFFE" BY JOSEPH S. DIXON ON 19-21, 23, 26 & 29 JUL 1916.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	34	Map Index: 68487	EO Index: 68911	Element Last Seen: 1979-06-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1979-06-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2007-03-19

Quad Summary: Caldor (3812054), Old Iron Mountain (3812064)

County Summary: El Dorado

Lat/Long:	38.63618 / -120.47187	Accuracy:	1 mile
UTM:	Zone-10 N4279437 E720047	Elevation (ft):	
PLSS:	T09N, R14E, Sec. 18 (M)	Acres:	0.0

Location: 3 MILES EAST OF GRIZZLY FLATS.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST ESTIMATE.
Ecological:
General: 1 MALE SPECIMEN (MSB #40651) COLLECTED ON 10 JUN 1979.
Owner/Manager: UNKNOWN

Occurrence No.	35	Map Index: 49957	EO Index: 68913	Element Last Seen: 1990-10-25
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1990-10-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2007-03-19

Quad Summary: Placerville (3812067)

County Summary: El Dorado

Lat/Long:	38.72955 / -120.79770	Accuracy:	1 mile
UTM:	Zone-10 N4289067 E691435	Elevation (ft):	
PLSS:	T10N, R11E, Sec. 07 (M)	Acres:	0.0

Location: PLACERVILLE.
Detailed Location: MAPPED TO INCLUDE LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 3229.9534 M.
Ecological:
General: CAS #16930 COLLECTED BY P.O. SIMONS ON 13 JUL 1896. 1 MALE SPECIMEN (MVZ #182378) COLLECTED BY WILLIAM E. RAINEY ON 25 OCT 1990.
Owner/Manager: UNKNOWN

Occurrence No.	36	Map Index: 68557	EO Index: 68914	Element Last Seen: 1990-10-30
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1990-10-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2007-03-19

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.76291 / -120.58279	Accuracy:	2/5 mile
UTM:	Zone-10 N4293242 E710020	Elevation (ft):	4030
PLSS:	T11N, R12E, Sec. 36, NE (M)	Acres:	0.0

Location: POLLOCK PINES.
Detailed Location: MAPPED AT POLLOCK PINES ACCORDING TO LOCALITY DESCRIPTION PROVIDED BY MANIS. COORDINATES GIVEN POINT TO A LOCATION ABOUT 3 MILES NW OF POLLOCK PINES WITH AN UNCERTAINTY OF 15 MILES.
Ecological:
General: 1 MALE SPECIMEN (MVZ #182379) COLLECTED BY WILLIAM E. RAINEY ON 30 OCT 1990.
Owner/Manager: UNKNOWN



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<i>Lasiurus cinereus</i>		Element Code: AMACC05030	
hoary bat			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5
	State: None		State: S4
	Other: IUCN_LC-Least Concern, WBWG_M-Medium Priority		
Habitat:	General: PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER AND OPEN AREAS OR HABITAT EDGES FOR FEEDING.		
	Micro: ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.		

Occurrence No.	24	Map Index:	68487	EO Index:	68781	Element Last Seen:	1979-06-10
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1979-06-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2007-03-15	

Quad Summary: Caldor (3812054), Old Iron Mountain (3812064)
County Summary: El Dorado

Lat/Long:	38.63618 / -120.47187	Accuracy:	1 mile
UTM:	Zone-10 N4279437 E720047	Elevation (ft):	
PLSS:	T09N, R14E, Sec. 18 (M)	Acres:	0.0

Location: 3 MILES EAST OF GRIZZLY FLATS.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED AS BEST ESTIMATE.
Ecological:
General: 3 MALE SPECIMENS (MSB #40648-40650) COLLECTED ON 10 JUN 1979.
Owner/Manager: UNKNOWN



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<i>Corynorhinus townsendii</i>		Element Code: AMACC08010	
Townsend's big-eared bat			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G3G4
	State: None		State: S2
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern, USFS_S-Sensitive, WBWG_H-High Priority		
Habitat:	General: THROUGHOUT CALIFORNIA IN A WIDE VARIETY OF HABITATS. MOST COMMON IN MESIC SITES.		
	Micro: ROOSTS IN THE OPEN, HANGING FROM WALLS AND CEILINGS. ROOSTING SITES LIMITING. EXTREMELY SENSITIVE TO HUMAN DISTURBANCE.		

Occurrence No.	440	Map Index:	92473	EO Index:	93610	Element Last Seen:	2010-09-29
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2010-09-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-05-20	

Quad Summary: Tunnel Hill (3812086)
County Summary: El Dorado

Lat/Long:	38.92779 / -120.74429	Accuracy:	1/10 mile
UTM:	Zone-10 N4311183 E695534	Elevation (ft):	3195
PLSS:	T13N, R11E, Sec. 34, SW (M)	Acres:	0.0

Location: W OF ROCK CREEK ROAD, ABOUT AND ABOUT 0.5 MI S OF WENTWORTH SPRINGS ROAD, 2.7 MI NW OF BALD MOUNTAIN (PEAK).
Detailed Location: MAPPED TO PROVIDED COORDINATES.
Ecological:
General: 1 BAT DETECTED ON 29 SEP 2010 BY S. TAYLOR WITH USE PETERSON D500X AND NOTED INDIVIDUAL WAS COMING IN FOR A DRINK OF WATER.
Owner/Manager: USFS-ELDORADO NF

<i>Aplodontia rufa californica</i>		Element Code: AMAF01013	
Sierra Nevada mountain beaver			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5T3T4
	State: None		State: S2S3
	Other: CDFW_SSC-Species of Special Concern, IUCN_LC-Least Concern		
Habitat:	General: DENSE GROWTH OF SMALL DECIDUOUS TREES & SHRUBS, WET SOIL, & ABUNDANCE OF FORBS IN THE SIERRA NEVADA & EAST SLOPE.		
	Micro: NEEDS DENSE UNDERSTORY FOR FOOD & COVER. BURROWS INTO SOFT SOIL. NEEDS ABUNDANT SUPPLY OF WATER.		



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Occurrence No.	4	Map Index: 30646	EO Index: 4274	Element Last Seen: 1990-05-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1990-05-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1995-10-23

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.90676 / -120.29225	Accuracy:	1/5 mile
UTM:	Zone-10 N4309916 E734794	Elevation (ft):	6700
PLSS:	T12N, R15E, Sec. 10, NW (M)	Acres:	0.0

Location: 0.5 MILE NORTHWEST OF TWIN PEAKS, ABOUT 5 MILES ENE OF UNION VALLEY RESERVOIR.

Detailed Location:

Ecological: BURROWS FOUND IN ALDER THICKET.

General: SEVERAL BURROWS (BUT NO INDIVIDUALS) FOUND 21 MAY 1992.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	17	Map Index: 94827	EO Index: 95939	Element Last Seen: 2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2015-01-09

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.80890 / -120.37251	Accuracy:	specific area
UTM:	Zone-10 N4298850 E728146	Elevation (ft):	5400
PLSS:	T11N, R14E, Sec. 11, SE (M)	Acres:	10.0

Location: ABOUT 1.2 MILES SW OF ICE HOUSE RESERVOIR DAM, NEAR ICE HOUSE RESORT, EAST OF POLLOCK PINES.

Detailed Location: MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 035 AND SPI 036.

Ecological: RIPARIAN.

General: BURROWS WERE DETECTED AT THESE LOCATIONS AROUND JUNE 2009.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	18	Map Index: 94828	EO Index: 95946	Element Last Seen: 2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2015-01-09

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.81991 / -120.36141	Accuracy:	specific area
UTM:	Zone-10 N4300101 E729075	Elevation (ft):	5400
PLSS:	T11N, R14E, Sec. 12, NW (M)	Acres:	10.0

Location: ABOUT 0.25 MILE SOUTH OF ICE HOUSE RESERVOIR DAM, NEAR ICE HOUSE RESORT, EAST OF POLLOCK PINES.

Detailed Location: MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 007 AND SPI 008.

Ecological: RIPARIAN.

General: BURROWS WERE DETECTED AT THESE LOCATIONS AROUND JUNE 2009.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	19	Map Index: 94829	EO Index: 95947	Element Last Seen:	2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-09
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.82151 / -120.34905		Accuracy:	80 meters	
UTM:	Zone-10 N4300309 E730143		Elevation (ft):	5500	
PLSS:	T11N, R15E, Sec. 06, SW (M)		Acres:	0.0	
Location:	ABOUT 0.5 MILE EAST OF ICE HOUSE RESERVOIR DAM, SOUTH OF THE RESERVOIR, EAST OF POLLOCK PINES.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 026.				
Ecological:	BRUSH FIELD.				
General:	BURROWS DETECTED HERE AROUND JUNE 2009.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	20	Map Index: 94830	EO Index: 95948	Element Last Seen:	2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-09
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.80969 / -120.35472		Accuracy:	specific area	
UTM:	Zone-10 N4298982 E729688		Elevation (ft):	5500	
PLSS:	T11N, R14E, Sec. 12, SE (M)		Acres:	30.0	
Location:	TRIBUTARY DRAINAGES ON BOTH SIDES OF PEAVINE CREEK, 0.6 TO 1.3 MILES SOUTH OF ICE HOUSE RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 009, SPI 019, SPI 020, SPI 021, SPI 037, AND SPI 038.				
Ecological:	RIPARIAN, SPRING, AND SIERRAN MIXED CONIFER HABITATS.				
General:	BURROWS WERE DETECTED AT THESE LOCATIONS AROUND JUNE 2009.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	21	Map Index: 94831	EO Index: 95949	Element Last Seen:	2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-09
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.81012 / -120.32018		Accuracy:	80 meters	
UTM:	Zone-10 N4299118 E732687		Elevation (ft):	5700	
PLSS:	T11N, R15E, Sec. 08, SE (M)		Acres:	0.0	
Location:	0.6 MILE SOUTH OF THE EASTERN END OF ICE HOUSE RESERVOIR, SOUTH OF USFS ROAD 11N41, EAST OF POLLOCK PINES.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 016.				
Ecological:	SPRING.				
General:	BURROWS DETECTED HERE AROUND JUNE 2009.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	22	Map Index: 94832	EO Index: 95950	Element Last Seen:	2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-09

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.80548 / -120.32435	Accuracy:	80 meters
UTM:	Zone-10 N4298592 E732340	Elevation (ft):	5700
PLSS:	T11N, R15E, Sec. 17, NW (M)	Acres:	0.0

Location: 1.0 MILE SSW OF THE EASTERN END OF ICE HOUSE RESERVOIR, SOUTH OF USFS ROAD 11NY24, EAST OF POLLOCK PINES.

Detailed Location: MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 017.

Ecological: SPRING.

General: BURROWS DETECTED HERE AROUND JUNE 2009.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	23	Map Index: 94833	EO Index: 95951	Element Last Seen:	2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-09

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.81497 / -120.27097	Accuracy:	80 meters
UTM:	Zone-10 N4299783 E736944	Elevation (ft):	6500
PLSS:	T11N, R15E, Sec. 11, NE (M)	Acres:	0.0

Location: 0.5 MILE WEST OF THE CONFLUENCE OF LYONS CREEK AND SOUTH FORK SILVER CREEK, EAST OF ICE HOUSE RESERVOIR, NE OF KYBURZ.

Detailed Location: MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 022.

Ecological: WET MEADOW/SPRING.

General: BURROWS DETECTED HERE AROUND JUNE 2009.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	24	Map Index:	94845	EO Index:	95962	Element Last Seen:	2011-06-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2011-06-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-13	

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.87002 / -120.47430	Accuracy:	specific area
UTM:	Zone-10 N4305385 E719119	Elevation (ft):	5000
PLSS:	T12N, R13E, Sec. 24 (M)	Acres:	30.0

Location: 1.7 TO 2.2 MILES WEST OF UNION VALLEY RESERVOIR DAM, ALONG DRAINAGES SOUTH OF HUNTERS VALLEY, NE OF POLLOCK PINES.

Detailed Location: MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 029, SPI 030, SPI 045A, SPI 045B, SPI 046, AND SPI 047.

Ecological: RIPARIAN.

General: BURROWS WERE DETECTED AT THE TWO NORTHEASTERN LOCATIONS AROUND JUNE 2009 AND AT THE OTHER SITES ON 8 JUNE 2011.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	25	Map Index:	94849	EO Index:	95963	Element Last Seen:	2011-06-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2011-06-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-13	

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.86852 / -120.46502	Accuracy:	specific area
UTM:	Zone-10 N4305240 E719929	Elevation (ft):	5000
PLSS:	T12N, R13E, Sec. 24, SE (M)	Acres:	15.0

Location: 1.1 TO 1.4 MILES WEST OF UNION VALLEY RESERVOIR DAM, ALONG DRAINAGES SOUTH OF HUNTERS VALLEY, NE OF POLLOCK PINES.

Detailed Location: MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 032, SPI 033, AND SPI 033A.

Ecological: RIPARIAN AND SPRING HABITATS.

General: BURROWS WERE DETECTED AT THE TWO NORTHEASTERN LOCATIONS AROUND JUNE 2009 AND AT THE OTHER SITE ON 8 JUNE 2011.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	26	Map Index: 94850	EO Index: 95970	Element Last Seen:	2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-13
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.81832 / -120.38926		Accuracy:	80 meters	
UTM:	Zone-10 N4299854 E726662		Elevation (ft):	5300	
PLSS:	T11N, R14E, Sec. 10, NE (M)		Acres:	0.0	
Location:	1.6 MILES WSW OF ICE HOUSE RESERVOIR DAM, NW OF SILVER CREEK CAMPGROUND, EAST OF POLLOCK PINES.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 034.				
Ecological:	SPRING.				
General:	BURROWS DETECTED HERE AROUND JUNE 2009.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	27	Map Index: 94853	EO Index: 95972	Element Last Seen:	2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-13
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.87083 / -120.52007		Accuracy:	80 meters	
UTM:	Zone-10 N4305366 E715145		Elevation (ft):	4700	
PLSS:	T12N, R13E, Sec. 21, SE (M)		Acres:	0.0	
Location:	4.3 MILES WEST OF UNION VALLEY RESERVOIR DAM, ALONG A TRIBUTARY TO DAVIS CREEK, NE OF POLLOCK PINES.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 027.				
Ecological:	RIPARIAN.				
General:	BURROWS DETECTED HERE AROUND JUNE 2009.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	28	Map Index: 94854	EO Index: 95973	Element Last Seen:	2010-01-22
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2010-01-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-16
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.95288 / -120.37705		Accuracy:	80 meters	
UTM:	Zone-10 N4314820 E727292		Elevation (ft):	5400	
PLSS:	T13N, R14E, Sec. 23, SW (M)		Acres:	0.0	
Location:	0.4 MILE EAST OF INTERSECTION OF WENTWORTH SPRINGS ROAD AND ICE HOUSE ROAD, NORTH OF SOUTH FORK RUBICON RIVER.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 042.				
Ecological:	RIPARIAN.				
General:	BURROWS DETECTED HERE AROUND JUNE 2009 AND ALSO ON 22 JAN 2010.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	29	Map Index: 94855	EO Index: 95974	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-13

Quad Summary: Robbs Peak (3812084)
County Summary: El Dorado

Lat/Long:	38.94463 / -120.45519	Accuracy:	80 meters
UTM:	Zone-10 N4313712 E720546	Elevation (ft):	5700
PLSS:	T13N, R14E, Sec. 30, W (M)	Acres:	0.0

Location: 0.2 MILE SOUTH OF WENTWORTH SPRINGS RD, 3.8 MI W OF INTERSECTION WITH ICE HOUSE RD, SOUTH OF SOUTH FORK RUBICON RIVER.
Detailed Location: MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 073.
Ecological: SPRING.
General: BURROWS DETECTED HERE ON 8 JUN 2011.
Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	30	Map Index: 94856	EO Index: 95975	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-13

Quad Summary: Robbs Peak (3812084)
County Summary: El Dorado

Lat/Long:	38.93880 / -120.47179	Accuracy:	80 meters
UTM:	Zone-10 N4313025 E719125	Elevation (ft):	5250
PLSS:	T13N, R13E, Sec. 25, SW (M)	Acres:	0.0

Location: TRIBUTARY OF PILOT CREEK, 2.6 MILES NE OF INTERSECTION OF WENTWORTH SPRINGS RD AND USFS ROAD 14N08, E OF RUBICON RIVER.
Detailed Location: MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 072.
Ecological: RIPARIAN.
General: BURROWS DETECTED HERE ON 8 JUN 2011.
Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	31	Map Index:	94857	EO Index:	95976	Element Last Seen:	2011-06-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2011-06-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-13	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.94085 / -120.44541	Accuracy:	specific area				
UTM:	Zone-10 N4313316 E721405	Elevation (ft):	5900				
PLSS:	T13N, R14E, Sec. 30, SE (M)	Acres:	15.0				
Location:	BOTH SIDES OF WENTWORTH SPRINGS RD, ABOUT 0.25 MILE NW OF USFS ROAD 13N34, W SIDE OF HARTLESS MOUNTAIN, SE OF LOON LAKE.						
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 013, SPI 075A, AND SPI 075B.						
Ecological:	RIPARIAN AND SPRING HABITATS.						
General:	BURROWS WERE DETECTED AT THE NORTHEASTERN LOCATION AROUND JUNE 2009 AND AT THE OTHER SITES ON 8 JUNE 2011.						
Owner/Manager:	PVT-SIERRA PACIFIC						
Occurrence No.	32	Map Index:	94858	EO Index:	95977	Element Last Seen:	2011-06-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2011-06-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-13	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.93728 / -120.43404	Accuracy:	80 meters				
UTM:	Zone-10 N4312948 E722402	Elevation (ft):	5800				
PLSS:	T13N, R14E, Sec. 29, SW (M)	Acres:	0.0				
Location:	0.3 MILE SE OF INTERSECTION OF WENTWORTH SPRINGS ROAD & USFS ROAD 13N34, SE SIDE OF HARTLESS MOUNTAIN, SE OF LOON LAKE.						
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 074.						
Ecological:	RIPARIAN.						
General:	BURROWS DETECTED HERE ON 8 JUN 2011.						
Owner/Manager:	PVT-SIERRA PACIFIC						



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Occurrence No.	33	Map Index: 94859	EO Index: 95978	Element Last Seen:	2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-13
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.94052 / -120.40929		Accuracy:	80 meters	
UTM:	Zone-10 N4313367 E724537		Elevation (ft):	5400	
PLSS:	T13N, R14E, Sec. 28, SE (M)		Acres:	0.0	
Location:	0.1 MILE NORTH OF WENTWORTH SPRINGS ROAD, 1 MILE WEST OF INTERSECTION WITH ICE HOUSE RD, NW OF ROBBS VALLEY.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 043.				
Ecological:	RIPARIAN.				
General:	BURROWS DETECTED HERE AROUND JUNE 2009.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	34	Map Index: 94860	EO Index: 95979	Element Last Seen:	2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-13
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.93588 / -120.38057		Accuracy:	80 meters	
UTM:	Zone-10 N4312924 E727041		Elevation (ft):	5450	
PLSS:	T13N, R14E, Sec. 35, NW (M)		Acres:	0.0	
Location:	1.5 MILES NW OF THE SUMMIT OF ROBBS PEAK, SOUTH OF SOUTH FORK RUBICON RIVER, NORTH OF ROBBS VALLEY.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 044.				
Ecological:	RIPARIAN.				
General:	BURROWS DETECTED HERE AROUND JUNE 2009.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	35	Map Index: 94861	EO Index: 95980	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.93050 / -120.47682		Accuracy:	specific area	
UTM:	Zone-10 N4312091 E718714		Elevation (ft):	5100	
PLSS:	T13N, R13E, Sec. 36, SW (M)		Acres:	10.0	
Location:	1.6-1.8 MI NE OF INTERSECTION OF WENTWORTH SPRINGS RD AND ROAD 14N08, ALONG PILOT CREEK TRIBUTARIES, W OF RUBICON RIVER.				
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 070, AND SPI 071.				
Ecological:	RIPARIAN AND SPRING HABITATS.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	36	Map Index:	94862	EO Index:	95984	Element Last Seen:	2011-06-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2011-06-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-14	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.92978 / -120.43952			Accuracy:	specific area		
UTM:	Zone-10 N4312102 E721950			Elevation (ft):	5700		
PLSS:	T13N, R14E, Sec. 32, W (M)			Acres:	22.0		
Location:	1.9 MILES WNW OF THE SUMMIT OF ROBBS PEAK, ALONG A TRIBUTARY OF LITTLE SILVER CREEK, SOUTH OF SOUTH FORK RUBICON RIVER.						
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 076A, SPI 076B, SPI 076C, SPI 077A, AND SPI 077B.						
Ecological:	SPRING.						
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.						
Owner/Manager:	PVT-SIERRA PACIFIC						

Occurrence No.	37	Map Index:	94863	EO Index:	95985	Element Last Seen:	2011-06-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2011-06-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-14	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.92573 / -120.41364			Accuracy:	specific area		
UTM:	Zone-10 N4311716 E724207			Elevation (ft):	6000		
PLSS:	T13N, R14E, Sec. 33, S (M)			Acres:	20.0		
Location:	FROM 0.4 MILE WSW TO 0.6 MILE NW OF THE SUMMIT OF ROBBS PEAK, ABOUT 2 MILES SOUTH OF SOUTH FORK RUBICON RIVER.						
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 078A, SPI 078B, SPI 079A, AND SPI 079B.						
Ecological:	SPRING AND RIPARIAN HABITATS.						
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.						
Owner/Manager:	PVT-SIERRA PACIFIC						



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Occurrence No.	38	Map Index: 94867	EO Index: 95989	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.91803 / -120.47444		Accuracy:	specific area	
UTM:	Zone-10 N4310713 E718959		Elevation (ft):	5200	
PLSS:	T12N, R13E, Sec. 01, NW (M)		Acres:	13.0	
Location:	1.7 MI W OF INTERSECTION OF WENTWORTH SPRINGS RD AND USFS RD 14N08, ALONG TRIBUTARY OF PILOT CREEK, W OF RUBICON RIVER.				
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 069A, SPI 069B, AND SPI 069C.				
Ecological:	RIPARIAN AND SPRING HABITATS.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	39	Map Index: 94870	EO Index: 95990	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.91798 / -120.46166		Accuracy:	specific area	
UTM:	Zone-10 N4310738 E720067		Elevation (ft):	5500	
PLSS:	T12N, R13E, Sec. 01, NE (M)		Acres:	10.0	
Location:	2.3 MI W OF INTERSECTION OF WENTWORTH SPRINGS RD AND USFS RD 14N08, ALONG TRIBUTARY OF PILOT CREEK, W OF RUBICON RIVER.				
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 067 AND SPI 068.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	40	Map Index: 94873	EO Index: 95993	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.91346 / -120.45097		Accuracy:	specific area	
UTM:	Zone-10 N4310263 E721008		Elevation (ft):	5500	
PLSS:	T12N, R14E, Sec. 06, SW (M)		Acres:	10.0	
Location:	3.3 MILES NNW OF UNION VALLEY RESERVOIR DAM, ALONG TRIBUTARY OF LITTLE SILVER CREEK, 0.2 MILE SOUTH OF USFS ROAD 13N34.				
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 062A AND SPI 062B.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	41	Map Index: 94876	EO Index: 95995	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14

Quad Summary: Robbs Peak (3812084)

County Summary: El Dorado

Lat/Long:	38.91114 / -120.47636	Accuracy:	specific area
UTM:	Zone-10 N4309944 E718813	Elevation (ft):	5200
PLSS:	T12N, R13E, Sec. 01, SE (M)	Acres:	11.0

Location: 1.6 MILES ESE OF INTERSECTION OF WENTWORTH SPRINGS ROAD AND USFS ROAD 14N08, NEAR PLUM CREEK, WEST OF RUBICON RIVER.

Detailed Location: MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 066A AND SPI 066B.

Ecological: RIPARIAN.

General: BURROWS WERE DETECTED HERE ON 8 JUNE 2011.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	42	Map Index: 94877	EO Index: 95996	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14

Quad Summary: Robbs Peak (3812084)

County Summary: El Dorado

Lat/Long:	38.90747 / -120.46656	Accuracy:	specific area
UTM:	Zone-10 N4309560 E719675	Elevation (ft):	5600
PLSS:	T12N, R13E, Sec. 12, NE (M)	Acres:	15.0

Location: 2.2 MILES ESE OF INTERSECTION OF WENTWORTH SPRINGS ROAD AND USFS ROAD 14N08, HEAD OF PLUM CREEK, WEST OF RUBICON RIVER.

Detailed Location: MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 065A, SPI 065B, AND SPI 065C.

Ecological: RIPARIAN.

General: BURROWS WERE DETECTED HERE ON 8 JUNE 2011.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	43	Map Index: 94878	EO Index: 95998	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.90494 / -120.44290		Accuracy:	specific area	
UTM:	Zone-10 N4309337 E721734		Elevation (ft):	5200	
PLSS:	T12N, R14E, Sec. 07 (M)		Acres:	32.0	
Location:	1.1 TO 1.9 MILES ENE OF SILVER HILL, ALONG TRIBUTARIES OF LITTLE SILVER CREEK, 3 MILES N OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 054, SPI 055A, SPI 055B, SPI 059A, SPI 059B, SPI 060, AND SPI 061.				
Ecological:	RIPARIAN AND SPRING HABITATS.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	44	Map Index: 94879	EO Index: 95999	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.90725 / -120.42411		Accuracy:	80 meters	
UTM:	Zone-10 N4309638 E723357		Elevation (ft):	5500	
PLSS:	T12N, R14E, Sec. 08, NE (M)		Acres:	0.0	
Location:	1.6 MILES SW OF THE SUMMIT OF ROBBS PEAK, EAST OF LITTLE SILVER CREEK, 3 MILES NNE OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 058.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	45	Map Index: 94881	EO Index: 96000	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.90535 / -120.41761		Accuracy:	80 meters	
UTM:	Zone-10 N4309444 E723926		Elevation (ft):	6000	
PLSS:	T12N, R14E, Sec. 09, NW (M)		Acres:	0.0	
Location:	1.5 MILES SW OF THE SUMMIT OF ROBBS PEAK, EAST OF LITTLE SILVER CREEK, 3 MILES NNE OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 057.				
Ecological:	SPRING.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	46	Map Index: 94882	EO Index: 96002	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.90597 / -120.45821		Accuracy:	80 meters	
UTM:	Zone-10 N4309414 E720403		Elevation (ft):	5490	
PLSS:	T12N, R14E, Sec. 07, NW (M)		Acres:	0.0	
Location:	0.8 MILE NE OF SILVER HILL, WEST OF LITTLE SILVER CREEK, 2.9 MILES NNW OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 063.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	47	Map Index: 94883	EO Index: 96003	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.90407 / -120.47305		Accuracy:	80 meters	
UTM:	Zone-10 N4309167 E719123		Elevation (ft):	5400	
PLSS:	T12N, R13E, Sec. 12, NW (M)		Acres:	0.0	
Location:	0.4 MILE NNW OF SILVER HILL, ALONG TRIBUTARY OF HONEY CREEK, 3.1 MILES NNW OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 064.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	48	Map Index: 94884	EO Index: 96004	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.89744 / -120.47422		Accuracy:	80 meters	
UTM:	Zone-10 N4308428 E719042		Elevation (ft):	5700	
PLSS:	T12N, R13E, Sec. 12, SW (M)		Acres:	0.0	
Location:	0.3 MILE WSW OF SILVER HILL, ALONG TRIBUTARY OF HONEY CREEK, 2.8 MILES NNW OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 080.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	49	Map Index: 94885	EO Index: 96005	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.89709 / -120.42949		Accuracy:	80 meters	
UTM:	Zone-10 N4308498 E722922		Elevation (ft):	5200	
PLSS:	T12N, R14E, Sec. 08, SE (M)		Acres:	0.0	
Location:	0.5 MILE NNE OF DEER KNOB, NEAR USFS ROAD 12N52, EAST OF LITTLE SILVER CREEK, 2.2 MI NNE OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 053.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	50	Map Index: 94886	EO Index: 96008	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.88694 / -120.48344		Accuracy:	80 meters	
UTM:	Zone-10 N4307240 E718274		Elevation (ft):	5350	
PLSS:	T12N, R13E, Sec. 14, NE (M)		Acres:	0.0	
Location:	1.1 MILE SW OF SILVER HILL, ALONG DRAINAGE NW OF HUNTERS VALLEY, 2.7 MILES WNW OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 081.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	51	Map Index: 94887	EO Index: 96009	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-14
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.88716 / -120.45124		Accuracy:	80 meters	
UTM:	Zone-10 N4307343 E721066		Elevation (ft):	4850	
PLSS:	T12N, R14E, Sec. 18, NW (M)		Acres:	0.0	
Location:	1.0 MILE WSW OF DEER KNOB, ALONG TRIBUTARY TO LITTLE SILVER CREEK, 1.5 MILES WNW OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 050.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	52	Map Index: 94888	EO Index: 96010	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-15
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.88682 / -120.44391		Accuracy:	specific area	
UTM:	Zone-10 N4307323 E721703		Elevation (ft):	5000	
PLSS:	T12N, R14E, Sec. 18, E (M)		Acres:	10.0	
Location:	0.6 MILE SW OF DEER KNOB, ALONG TRIBUTARY OF LITTLE SILVER CREEK, 1.4 MILES NORTH OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 012 AND SPI 012A.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED AT THE NW SITE AROUND JUNE 2009 AND AT THE SE SITE ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	53	Map Index: 94891	EO Index: 96011	Element Last Seen:	2011-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-15
Quad Summary:	Riverton (3812074), Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.87843 / -120.48886		Accuracy:	specific area	
UTM:	Zone-10 N4306283 E717829		Elevation (ft):	5300	
PLSS:	T12N, R13E, Sec. 23 (M)		Acres:	32.0	
Location:	1.4 TO 2.3 MILES SW OF SILVER HILL, WEST OF HUNTERS VALLEY, 2.7 MILES WNW OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 025, SPI 051A, SPI 051B, SPI 051C, SPI 051D, SPI 052A, SPI 052B, SPI 052C, AND SPI 052D.				
Ecological:	RIPARIAN.				
General:	BURROWS WERE DETECTED AT THE FAR SW SITE AROUND JUNE 2009 AND AT THE OTHER SITES ON 8 JUNE 2011.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	54	Map Index: 94892	EO Index: 96014	Element Last Seen:	2009-06-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-15
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.88035 / -120.47951		Accuracy:	80 meters	
UTM:	Zone-10 N4306518 E718635		Elevation (ft):	5000	
PLSS:	T12N, R13E, Sec. 14, SE (M)		Acres:	0.0	
Location:	1.4 MILES SSW OF SILVER HILL, AT WEST END OF HUNTERS VALLEY, 2.3 MILES WNW OF UNION VALLEY RESERVOIR DAM.				
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 031.				
Ecological:	RIPARIAN.				
General:	BURROWS DETECTED HERE AROUND JUNE 2009.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	55	Map Index:	94893	EO Index:	96017	Element Last Seen:	2011-06-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2011-06-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-15	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.87949 / -120.47204			Accuracy:	specific area		
UTM:	Zone-10 N4306441 E719285			Elevation (ft):	5000		
PLSS:	T12N, R13E, Sec. 13, SW (M)			Acres:	10.0		
Location:	1.3 TO 1.4 MILES SOUTH OF SILVER HILL, HUNTERS VALLEY, 2 MILES WNW OF UNION VALLEY RESERVOIR DAM.						
Detailed Location:	MAPPED ACCORDING TO GPS POINTS PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITES SPI 048A AND SPI 048B.						
Ecological:	RIPARIAN.						
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.						
Owner/Manager:	PVT-SIERRA PACIFIC						

Occurrence No.	56	Map Index:	94894	EO Index:	96018	Element Last Seen:	2011-06-08
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2011-06-08	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-01-15	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.88272 / -120.46519			Accuracy:	80 meters		
UTM:	Zone-10 N4306816 E719870			Elevation (ft):	5000		
PLSS:	T12N, R13E, Sec. 13, SE (M)			Acres:	0.0		
Location:	1.1 MILE SOUTH OF SILVER HILL, NORTH OF HUNTERS VALLEY, 1.7 MILES NW OF UNION VALLEY RESERVOIR DAM.						
Detailed Location:	MAPPED ACCORDING TO GPS POINT PROVIDED BY SIERRA PACIFIC INDUSTRIES FOR SITE SPI 049.						
Ecological:	RIPARIAN.						
General:	BURROWS WERE DETECTED HERE ON 8 JUNE 2011.						
Owner/Manager:	PVT-SIERRA PACIFIC						

<i>Erethizon dorsatum</i>		Element Code: AMAFJ01010	
North American porcupine			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5
	State: None		State: S3
	Other: IUCN_LC-Least Concern		
Habitat:	General: FORESTED HABITATS IN THE SIERRA NEVADA, CASCADE, AND COAST RANGES, WITH SCATTERED OBSERVATIONS FROM FORESTED AREAS IN THE TRANSVERSE RANGES.		
	Micro: WIDE VARIETY OF CONIFEROUS AND MIXED WOODLAND HABITAT.		



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Occurrence No.	311	Map Index: A5489	EO Index: 107217	Element Last Seen:	2010-07-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2010-07-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-07-24
Quad Summary:	Loon Lake (3812083)				
County Summary:	El Dorado				
Lat/Long:	38.99284 / -120.28924		Accuracy:	1/10 mile	
UTM:	Zone-10 N4319478 E734772		Elevation (ft):	6709	
PLSS:	T13N, R15E, Sec. 10, NW (M)		Acres:	18.0	
Location:	ABOUT 0.3 MI NNW OF BROWN MOUNTAIN PEAK, 1.3 MI SE OF LOON LAKE DAM, 2.5 MI NE OF BERTS LAKE.				
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES FOR THE CAMERA STATION. IT APPEARS THAT THE PORCUPINE WAS OBSERVED WHILE THE BIOLOGIST WAS MAINTAINING A CAMERA STATION.				
Ecological:	SIERRA MIXED CONIFER, JEFFREY PINE, WHITE FIR, AND LODGEPOLE PINE FOREST HABITAT.				
General:	AT LEAST 1 PORCUPINE DETECTED ON 24 JUL 2010 DURING A BAIT STATION MONITORING PROJECT. PORCUPINE WAS HEARD IN BRUSH AND LATER OBSERVED CLIMBING A FIR TREE UNTIL IT MANUEVERED INTO A HIDING SPOT.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	313	Map Index: A5491	EO Index: 107222	Element Last Seen:	2010-08-26
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2010-08-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-07-24
Quad Summary:	Loon Lake (3812083)				
County Summary:	El Dorado				
Lat/Long:	38.93719 / -120.31394		Accuracy:	1/5 mile	
UTM:	Zone-10 N4313237 E732814		Elevation (ft):	6565	
PLSS:	T13N, R15E, Sec. 32, NE (M)		Acres:	70.0	
Location:	ABOUT 0.8 MI SSE OF POISON HOLE, 1.3 MI NE OF SUN ROCK, 4 MI NNW OF SLICK ROCK, S OF LOON LAKE.				
Detailed Location:	MAPPED ACCORDING TO THE PROVIDED COORDINATES. BASSII TRAIL RUNS ADJACENT TO TELLS CREEK.				
Ecological:					
General:	1 PORCUPINE OBSERVED ON 26 AUG 2010.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	347	Map Index: A5758	EO Index: 107501	Element Last Seen:	1983-09-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1983-09-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-08-07
Quad Summary:	Placerville (3812067), Garden Valley (3812077)				
County Summary:	El Dorado				
Lat/Long:	38.75817 / -120.80023		Accuracy:	1 mile	
UTM:	Zone-10 N4292239 E691139		Elevation (ft):	1894	
PLSS:	T11N, R10E, Sec. 36 (M)		Acres:	1987.0	
Location:	ABOUT 2 MILES N OF PLACERVILLE, 3 MILES SSE OF KELSEY.				
Detailed Location:	MAPPED GENERALLY TO THE PROVIDED LOCATION DESCRIPTION OF "2 MILES NORTH OF PLACERVILLE." EXACT LOCATION UNKNOWN.				
Ecological:					
General:	1 MALE PORCUPINE COLLECTED (CAS# 22570) IN SEP 1983.				
Owner/Manager:	UNKNOWN				



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Vulpes vulpes necator

Element Code: AMAJA03012

Sierra Nevada red fox

Listing Status: **Federal:** Candidate

CNDDB Element Ranks: **Global:** G5T1T2

State: Threatened

State: S1

Other: USFS_S-Sensitive

Habitat: **General:** HISTORICALLY FOUND FROM THE CASCADES DOWN TO THE SIERRA NEVADA. FOUND IN A VARIETY OF HABITATS FROM WET MEADOWS TO FORESTED AREAS.

Micro: USE DENSE VEGETATION AND ROCKY AREAS FOR COVER AND DEN SITES. PREFER FORESTS INTERSPERSED WITH MEADOWS OR ALPINE FELL-FIELDS.

Occurrence No.	9	Map Index:	13642	EO Index:	23753	Element Last Seen:	19XX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		19XX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-03-10	

Quad Summary: Kyburz (3812073), Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.81469 / -120.37414	Accuracy:	3/5 mile
UTM:	Zone-10 N4299489 E727986	Elevation (ft):	5300
PLSS:	T11N, R14E, Sec. 11 (M)	Acres:	0.0

Location: ICE HOUSE RESORT.

Detailed Location: MAPPED BY CNDDDB CENTERED ON ICE HOUSE RESORT, IN ELDORADO NATIONAL FOREST, SW OF ICE HOUSE RESERVOIR.

Ecological: CURRENTLY (2013) ONLY 2 POPULATIONS OF SIERRA NEVADA RED FOX ARE KNOWN TO EXIST: NEAR LASSEN PEAK & NEAR SONORA PASS. DNA ANALYSIS MUST BE DONE IN ORDER TO CONCLUSIVELY DETERMINE ID OF NATIVE SUBSPECIES. FURTHER RESEARCH NEEDED.

General: CLYDE CARTER WAS INTERVIEWED IN 1973 AND DESCRIBED SEVERAL OBSERVATIONS OF RED FOXES IN THIS VICINITY. SYSTEMATIC MESOCARNIVORE SURVEYS WITH BAITED TRACK PLATES & CAMERAS FROM 1996-1999 (ZIELINSKI; CAMPBELL) W/IN 3 MI DID NOT DETECT FOXES.

Owner/Manager: UNKNOWN

Occurrence No.	87	Map Index:	56373	EO Index:	56389	Element Last Seen:	1991-02-14
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1991-02-14	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2004-08-16	

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.96687 / -120.34821	Accuracy:	1/10 mile
UTM:	Zone-10 N4316445 E729746	Elevation (ft):	6200
PLSS:	T13N, R14E, Sec. 13, SE (M)	Acres:	0.0

Location: ALONG THE ROAD TO LOON LAKE, ABOUT 1.7 MILES SOUTHWEST OF THE LOON LAKE DAM, JUST EAST OF SCHLEIN RANGER STATION.

Detailed Location:

Ecological: CURRENTLY (2013) ONLY 2 POPULATIONS OF SIERRA NEVADA RED FOX ARE KNOWN TO EXIST: NEAR LASSEN PEAK & NEAR SONORA PASS. DNA ANALYSIS MUST BE DONE IN ORDER TO CONCLUSIVELY DETERMINE ID OF NATIVE SUBSPECIES.

General: ONE FOX OBSERVED AT 1215 HOURS. IT RAN TO THE DOWNHILL SIDE OF THE ROAD. SYSTEMATIC MESOCARNIVORE SURVEYS WITH BAITED TRACK PLATES & CAMERAS FROM 1996-1999 (ZIELINSKI; CAMPBELL) AT THIS SITE DID NOT DETECT ANY RED FOX. RESEARCH NEEDED.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	112	Map Index:	75933	EO Index:	76936	Element Last Seen:	1971-06-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:	1971-06-XX	Record Last Updated:	2009-07-23
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Peddler Hill (3812053), Caldor (3812054)

County Summary: Amador, El Dorado

Lat/Long: 38.53685 / -120.40258 **Accuracy:** nonspecific area

UTM: Zone-10 N4268581 E726390 **Elevation (ft):** 5100

PLSS: T08N, R14E, Sec. 23, NW (M) **Acres:** 489.0

Location: HIGHWAY 88 FROM COOKS STATION TO HAMS STATION, WEST SIDE OF ELDORADO NATIONAL FOREST.

Detailed Location: LOCATION DESCRIBED AS "BET COOKS & HAMS STATION ON HWY 88." MAPPED BY CNDDDB ALONG HIGHWAY 88 BETWEEN COOKS STATION AND HAMS STATION.

Ecological: PRESUMED TO BE SN RED FOX BASED UPON ELEVATION AND HISTORIC RANGE. DNA ANALYSIS MUST BE DONE ORDER TO CONCLUSIVELY DETERMINE IF A RED FOX FOUND IN THE SIERRA NEVADA REGION IS VULPES VULPES NECATOR OR AN INTRODUCED SUBSPECIES.

General: INDIVIDUAL OBSERVED IN JUN 1971.

Owner/Manager: USFS-ELDORADO NF



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<i>Pekania pennanti</i>		Element Code: AMAJF01021	
fisher - West Coast DPS			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G5T2T3Q
	State: Threatened		State: S2S3
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, USFS_S-Sensitive		
Habitat:	General: INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS AND DECIDUOUS-RIPARIAN AREAS WITH HIGH PERCENT CANOPY CLOSURE.		
	Micro: USES CAVITIES, SNAGS, LOGS AND ROCKY AREAS FOR COVER AND DENNING. NEEDS LARGE AREAS OF MATURE, DENSE FOREST.		

Occurrence No.	697	Map Index:	78043	EO Index:	78925	Element Last Seen:	1995-06-05
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1995-06-05	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-02-03	

Quad Summary: Devil Peak (3812085)
County Summary: El Dorado

Lat/Long:	38.90636 / -120.51787	Accuracy:	nonspecific area
UTM:	Zone-10 N4309314 E715229	Elevation (ft):	4860
PLSS:	T12N, R13E, Sec. 09, NE (M)	Acres:	21.0

Location: WENTWORTH SPRINGS ROAD AT ELEVEN PINES, NEAR EAST INTERSECTION WITH ONION VALLEY RD, ABOUT 10.2 RD MI E OF QUINETTE.
Detailed Location: LOCATION DESCRIBED AS "T12N R13E S09 NE NE, CROSSING ROAD." MAPPED TO WENTWORTH SPRINGS ROAD IN NE 1/4 OF NE 1/4 OF SECTION 9.
Ecological: MIXED CONIFER.
General: CATHERINE FOWLER OBSERVED 1 FISHER CROSSING THE ROAD ABOUT 100 FEET AHEAD OF HER VEHICLE ON 5 JUN 1995.
Owner/Manager: UNKNOWN

Occurrence No.	700	Map Index:	78087	EO Index:	78967	Element Last Seen:	1916-07-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1916-07-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-02-08	

Quad Summary: Camino (3812066), Placerville (3812067), Shingle Springs (3812068), Slate Mtn. (3812076), Garden Valley (3812077), Coloma (3812078)
County Summary: El Dorado

Lat/Long:	38.72948 / -120.79835	Accuracy:	5 miles
UTM:	Zone-10 N4289058 E691378	Elevation (ft):	2000
PLSS:	T10N, R11E, Sec. 07 (M)	Acres:	0.0

Location: NEAR PLACERVILLE.
Detailed Location:
Ecological:
General: FIVE FISHERS WERE KILLED FOR THEIR PELTS NEAR PLACERVILLE DURING JULY 1916.
Owner/Manager: UNKNOWN

<i>Emys marmorata</i>		Element Code: ARAAD02030	
western pond turtle			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3G4
	State: None		State: S3
	Other: BLM_S-Sensitive, CDFW_SSC-Species of Special Concern, IUCN_VU-Vulnerable, USFS_S-Sensitive		
Habitat:	General:		



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A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS AND IRRIGATION DITCHES, USUALLY WITH AQUATIC VEGETATION, BELOW 6000 FT ELEVATION.

Micro: NEEDS BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT UP TO 0.5 KM FROM WATER FOR EGG-LAYING.

Occurrence No.	437	Map Index:	27655	EO Index:	1044	Element Last Seen:	1993-06-30
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1993-06-30	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1996-01-02	

Quad Summary: Camino (3812066)
County Summary: El Dorado

Lat/Long:	38.66592 / -120.63992	Accuracy:	80 meters
UTM:	Zone-10 N4282347 E705333	Elevation (ft):	2000
PLSS:	T09N, R12E, Sec. 03, NW (M)	Acres:	0.0

Location: CAMP CREEK, ABOUT 4.2 KM NE OF SOMERSET; ABOVE CONFLUENCE WITH NORTH FORK COSUMNES RIVER.
Detailed Location:
Ecological: MIXED CONIFER: DOUGLAS-FIR, PONDEROSA PINE, OAKS. CAMP CREEK IS CLASSIFIED AS A CENTRAL VALLEY DRAINAGE RESIDENT RAINBOW TROUT STREAM (CARA2421CA).
General: 2 JUVENILES OBSERVED. HELICOPTER SALVAGE OF BUG-KILLED TREES, NO PERCEIVED THREAT.
Owner/Manager: USFS-ELDORADO NF, BLM

Occurrence No.	444	Map Index:	32822	EO Index:	1134	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		XXXX-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1996-01-17	

Quad Summary: Garden Valley (3812077), Coloma (3812078)
County Summary: El Dorado

Lat/Long:	38.78172 / -120.84922	Accuracy:	nonspecific area
UTM:	Zone-10 N4294751 E686820	Elevation (ft):	800
PLSS:	T11N, R10E, Sec. 22 (M)	Acres:	321.2

Location: NORTH OF PLACERVILLE ON SOUTH FORK AMERICAN RIVER, VICINITY OF COLOMA.
Detailed Location:
Ecological:
General: COLLECTION MADE BY G. FELLERS, DATE AND NUMBERS OF SPECIMENS UNKNOWN.
Owner/Manager: UNKNOWN



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Occurrence No.	559	Map Index: 49244	EO Index: 49244	Element Last Seen:	2002-07-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-07-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-11-04

Quad Summary: Fiddletown (3812057)

County Summary: Amador

Lat/Long:	38.52199 / -120.84716	Accuracy:	80 meters
UTM:	Zone-10 N4265930 E687675	Elevation (ft):	
PLSS:	T08N, R10E, Sec. 26 (M)	Acres:	0.0

Location: BIG INDIAN CREEK, JUST EAST OF HIGHWAY 49, 2.75 MILES NORTH OF PLYMOUTH.

Detailed Location: BASKING AREA WAS THE POOL SHORELINE.

Ecological: HABITAT CONSISTS OF A SMALL POOL WITHIN AN INTERMITTENT STREAM; QUERCUS SSP, SALIX SSP, FRAXINUS LATIFOLIA, AND AESCULUS CALIFORNICA WERE THE DOMINANT PLANT SPECIES. SURROUNDED BY AGRICULTURE (VINEYARDS AND PASTURE).

General: 1 INDIVIDUAL OBSERVED ON 8 JUL 2002.

Owner/Manager: PVT

Occurrence No.	567	Map Index: 49534	EO Index: 49534	Element Last Seen:	2002-XX-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2002-12-03

Quad Summary: Placerville (3812067)

County Summary: El Dorado

Lat/Long:	38.71637 / -120.79298	Accuracy:	80 meters
UTM:	Zone-10 N4287614 E691881	Elevation (ft):	2200
PLSS:	T10N, R11E, Sec. 17, SW (M)	Acres:	0.0

Location: NORTH SIDE OF HARRIS ROAD, BETWEEN CEDAR RAVINE & BIG CUT ROAD, PLACERVILLE.

Detailed Location: THIS IS THE ONLY YEAR-ROUND, OPEN-WATER POND IN THE IMMEDIATE AREA.

Ecological: HABITAT CONSISTS OF A FRESHWATER POND, DOMINATED BY CATTAILS; SURROUNDED BY WILLOWS, BLACKBERRY VINES, RUSHES, NATIVE GRASSES, AND TOYON (OAK/PINE COMMUNITY).

General: 3 ADULTS AND 2 JUVENILES OBSERVED 16 MAY 2001. OBSERVATIONS CONTINUED THROUGH 2002.

Owner/Manager: PVT-PLACERVILLE GOLD MINING CO



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Occurrence No.	667	Map Index:	69769	EO Index:	70576	Element Last Seen:	2005-04-22
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2005-04-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2007-08-21	
Quad Summary:	Placerville (3812067)						
County Summary:	El Dorado						
Lat/Long:	38.65659 / -120.85393			Accuracy:	specific area		
UTM:	Zone-10 N4280854 E686735			Elevation (ft):	1635		
PLSS:	T09N, R10E, Sec. 10, NE (M)			Acres:	12.0		
Location:	LOGTOWN CREEK, JUST WEST OF THE INTERSECTION OF HIGHWAY 49 AND SIERRA REAL ROAD, 1.7 MILES SOUTH OF EL DORADO.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF A SHALLOW, INTERMITTENT STREAM SET IN ANNUAL GRASSLAND, WITH SOME POOLS UP TO 2' IN DIAMETER; VEGETATED BY MENTA PULEGIUM, RORRIPA NASTURTIIUM-AQUATICA, RUMEX CRISPUS, AND JUNCUS BALTICUS.						
General:	2 ADULTS OBSERVED ON 22 APR 2005.						
Owner/Manager:	PVT						
Occurrence No.	668	Map Index:	69771	EO Index:	70579	Element Last Seen:	2005-04-22
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2005-04-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2007-08-21	
Quad Summary:	Placerville (3812067)						
County Summary:	El Dorado						
Lat/Long:	38.67787 / -120.87349			Accuracy:	80 meters		
UTM:	Zone-10 N4283177 E684979			Elevation (ft):	1525		
PLSS:	T10N, R10E, Sec. 33, SE (M)			Acres:	0.0		
Location:	SLATE CREEK AT THE PLEASANT VALLEY ROAD CROSSING, 3 MILES ENE OF SHINGLE SPRINGS.						
Detailed Location:							
Ecological:	HABITAT CONSISTS OF AN INTERMITTENT CREEK, WITH A COBBLE/GRAVEL/SILT SUBSTRATE THAT RUNS UNDER A REINFORCED CONCRETE BOX BRIDGE.						
General:	1 ADULT OBSERVED ON 22 APR 2005.						
Owner/Manager:	CALTRANS						



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Occurrence No.	673	Map Index:	69846	EO Index:	70669	Element Last Seen:	2005-04-22
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2005-04-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2007-09-04	

Quad Summary: Placerville (3812067)

County Summary: El Dorado

Lat/Long:	38.64823 / -120.85284	Accuracy:	specific area
UTM:	Zone-10 N4279929 E686852	Elevation (ft):	1760
PLSS:	T09N, R10E, Sec. 11, SW (M)	Acres:	10.0

Location: PONDS ON MINEHANA CREEK AND LOGTOWN CREEK, 6 MILES SSW OF PLACERVILLE.

Detailed Location: SITE CONSISTS OF 3 PONDS IN MINEHANA CREEK AND LOGTOWN CREEK.

Ecological: HABITATA CONSISTS OF PONDS WHICH ARE VEGETATED BY TYPHA LATIFOLIA AND SALIX SP; SURROUNDED BY GRAZING LAND.

General: 12 ADULTS OBSERVED ON 22 APR 2005.

Owner/Manager: PVT

Occurrence No.	768	Map Index:	49277	EO Index:	71707	Element Last Seen:	2007-09-26
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2007-09-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-02-25	

Quad Summary: Sly Park (3812065)

County Summary: El Dorado

Lat/Long:	38.74489 / -120.59958	Accuracy:	80 meters
UTM:	Zone-10 N4291203 E708614	Elevation (ft):	3200
PLSS:	T10N, R12E, Sec. 01 (M)	Acres:	0.0

Location: SPIVEY POND, ON THE NORTH FORK OF WEBER CREEK, EL DORADO COUNTY.

Detailed Location:

Ecological:

General: 1 ADULT WAS OBSERVED ON 26 SEPT 2007.

Owner/Manager: PVT

Occurrence No.	1482	Map Index:	B2178	EO Index:	114100	Element Last Seen:	2016-06-16
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2016-06-16	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2019-02-01	

Quad Summary: Garden Valley (3812077)

County Summary: El Dorado

Lat/Long:	38.7827 / -120.78166	Accuracy:	specific area
UTM:	Zone-10 N4295000 E692687	Elevation (ft):	1084
PLSS:	T11N, R11E, Sec. 20 (M)	Acres:	24.0

Location: ALONG THE SOUTH FORK AMERICAN RIVER, FROM THE ROCK CREEK POWERHOUSE TO ABOUT 0.3 MI DOWNSTREAM (WEST).

Detailed Location: MAPPED TO PROVIDED COORDINATES AND LOCATIONS FROM NRIS DATABASE.

Ecological: 2016: BEDROCK BASKING SITE NEAR DISCONNECTED BACKWATER POOL; SPARSE RIPARIAN VEGETATION PRESENT.

General: AT LEAST 2 OBSERVED IN 2003. 1 ADULT MALE OBSERVED BASKING ON 16 JUN 2016.

Owner/Manager: UNKNOWN, BLM



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Sacramento-San Joaquin Foothill/Valley Ephemeral Stream

Element Code: CARA2130CA

Sacramento-San Joaquin Foothill/Valley Ephemeral Stream

Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: GNR
	State: None		State: SNR
	Other:		
Habitat:	General: <input type="checkbox"/>		
	Micro: <input type="checkbox"/>		

Occurrence No.	1	Map Index:	30033	EO Index:	25111	Element Last Seen:	1987-XX-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1987-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1996-01-02	

Quad Summary: Omo Ranch (3812055), Sly Park (3812065), Camino (3812066)

County Summary: El Dorado

Lat/Long:	38.63910 / -120.62673	Accuracy:	nonspecific area
UTM:	Zone-10 N4279400 E706558	Elevation (ft):	2500
PLSS:	T09N, R12E, Sec. 14, NW (M)	Acres:	160.3

Location: JACKASS CANYON, ABOUT 5 KILOMETERS EAST OF SOMERSET.

Detailed Location: FROM MOUTH ON NORTH FORK COSUMNES RIVER UPSTREAM TO THE HEADWATERS.

Ecological: AT LEAST 7 SPECIES OF STONEFLIES INHABIT THE STREAM, INCLUDING AN ABUNDANT POPULATION OF COSUMNERPERLA HYPOCRENA, A RARE ENDEMIC WITH AN UNUSUAL LIFE HISTORY.

General: STREAM FLOWS THROUGH STEEP CANYON IN OAK WOODLAND AND MIXED CONIFER FOREST.

Owner/Manager: PVT



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Central Valley Drainage Spring Stream		Element Code: CARA2413CA	
Central Valley Drainage Spring Stream			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: GNR
	State: None		State: SNR
	Other:		
Habitat:	General: <input type="checkbox"/>		
	Micro: <input type="checkbox"/>		

Occurrence No.	1	Map Index: 25974	EO Index: 5091	Element Last Seen:	1989-XX-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1995-10-23
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.70471 / -120.40576		Accuracy:	80 meters	
UTM:	Zone-10 N4287203 E725587		Elevation (ft):	5550	
PLSS:	T10N, R14E, Sec. 22, SE (M)		Acres:	0.0	
Location:	STUMP SPRING, 0.8 MILE WEST OF OLD IRON MOUNTAIN, SOUTH SIDE OF IRON MTN ROAD, EL DORADO COUNTY.				
Detailed Location:	SPRING AND AREA IMMEDIATELY SURROUNDING IT.				
Ecological:	CONTAINS ABUNDANT POPULATION OF BLIND, UNPIGMENTED, AMPHIPOD STYGOBROMUS, PROBABLY AN UNDESCRIBED SPECIES. OTHER UNUSUAL AQUATIC INSECTS WERE REPORTED TO OCCUR THERE AS WELL.				
General:	SPRING IS CONTAINED IN HUMAN-MADE STRUCTURE WHICH COULD BE REMOVED TO RESTORE THE NATURAL SPRING OUTFLOW.				
Owner/Manager:	USFS-ELDORADO NF				

Occurrence No.	2	Map Index: 30034	EO Index: 5090	Element Last Seen:	1989-XX-XX
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1989-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1995-10-23
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.65296 / -120.48389		Accuracy:	nonspecific area	
UTM:	Zone-10 N4281270 E718950		Elevation (ft):	4600	
PLSS:	T09N, R13E, Sec. 12, NE (M)		Acres:	33.5	
Location:	BENDORF SPRING AND STREAM BELOW IT, ABOUT 3 MILES NORTHEAST OF GRIZZLY FLAT, EL DORADO COUNTY.				
Detailed Location:	SPRING SOURCE, DOWNSTREAM FLOW FOR 0.5 KILOMETERS, AND SURROUNDING AREA.				
Ecological:	HIGH DIVERSITY OF STONEFLIES (AT LEAST 23 SPECIES) INCLUDING ABUNDANT POPULATIONS OF 2 RARE SPP, SUSULUS VENUSTUS AND MEGALEUCTRA STIGMATA.				
General:	SPRING AND STREAM FLOWS THROUGH DENSE, MIXED CONIFER FOREST, WITH DOGWOOD AND ALDER IN WETTER AREAS.				
Owner/Manager:	USFS-ELDORADO NF				

Central Valley Drainage Resident Rainbow Trout Stream		Element Code: CARA2421CA	
Central Valley Drainage Resident Rainbow Trout Stream			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: GNR
	State: None		State: SNR
	Other:		
Habitat:	General: <input type="checkbox"/>		



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Micro:

Occurrence No.	2	Map Index:	31150	EO Index:	1144	Element Last Seen:	1993-08-04
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1993-08-04	Record Last Updated:	1996-02-15
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Leek Spring Hill (3812063), Old Iron Mountain (3812064), Sly Park (3812065), Camino (3812066)
County Summary: El Dorado

Lat/Long:	38.69068 / -120.57761	Accuracy:	specific area
UTM:	Zone-10 N4285237 E710683	Elevation (ft):	4200
PLSS:	T10N, R13E, Sec. 30 (M)	Acres:	2732.9

Location: CAMP CREEK AND MAJOR TRIBUTARIES, IN ELDORADO NATIONAL FOREST.
Detailed Location: FROM ABOUT 1 MILE ABOVE CONFLUENCE WITH NORTH FORK COSUMNES RIVER UPSTREAM TO HEADWATERS.
Ecological: RAINBOW TROUT ARE THE DOMINANT FISH SPECIES; BROWN TROUT ARE THE ONLY OTHER FISH SPECIES KNOWN TO OCCUR. FOOTHILL YELLOW-LEGGED FROGS REPORTED IN LOWER REACHES. RIPARIAN VEGETATION INCLUDES ALDERS, COTTONWOODS, DOGWOODS, MAPLES & CEDARS.
General: THE LOWER REACHES ARE IN A STEEP CANYON WITH LITTLE ACCESS; THE AQUATIC ECOSYSTEM IS INTACT WITH THE EXCEPTION OF THE REACHES BELOW THE WATER DIVERSION.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	3	Map Index:	25574	EO Index:	1143	Element Last Seen:	1991-XX-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1991-XX-XX	Record Last Updated:	1996-02-15
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Caldor (3812054), Omo Ranch (3812055), Leek Spring Hill (3812063), Old Iron Mountain (3812064), Sly Park (3812065)
County Summary: El Dorado

Lat/Long:	38.64490 / -120.37788	Accuracy:	specific area
UTM:	Zone-10 N4280634 E728202	Elevation (ft):	3206
PLSS:	T09N, R14E, Sec. 12 (M)	Acres:	2793.9

Location: NORTH FORK COSUMNES RIVER, ELDORADO NATIONAL FOREST.
Detailed Location: FROM CONFLUENCE OF STEELY FORK CREEK UPSTREAM TO HEADWATERS IN LEEK SPRINGS VALLEY. INCLUDES STEELY FORK AND OTHER MAJOR TRIBUTARIES.
Ecological: RAINBOW TROUT DOMINANT FISH SPECIES. BROWN TROUT POPULATION 3:1 OVER RAINBOW IN MIDDLE REACHES OF NORTH FORK. BROOK TROUT COMMON IN UPPER REACHES. 300 AQUATIC INSECT TAXA KNOWN INCLUDING 70 SPECIES OF STONEFLIES.
General: NO MAJOR DAMS EXIST FOR ENTIRE DRAINAGE. WATER DIVERSION ON LOWER NORTH FORK COSUMNES RIVER.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	4	Map Index: 31149	EO Index: 1145	Element Last Seen:	1993-07-22
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1993-07-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1996-02-15
Quad Summary:	Bear River Reservoir (3812052), Peddler Hill (3812053), Caldor (3812054), Omo Ranch (3812055)				
County Summary:	El Dorado				
Lat/Long:	38.57651 / -120.34572		Accuracy:	specific area	
UTM:	Zone-10 N4273124 E731221		Elevation (ft):	3800	
PLSS:	T08N, R15E, Sec. 05 (M)		Acres:	3901.1	
Location:	MIDDLE FORK COSUMNES RIVER AND MAJOR TRIBUTARIES. ELDORADO NATIONAL FOREST.				
Detailed Location:	FROM CONFLUENCE OF SOPIAGO CREEK UPSTREAM TO HEADWATERS IN FOSTER MEADOWS. INCLUDES MAJOR TRIBUTARIES TO MIDDLE FORK.				
Ecological:	RAINBOW TROUT DOMINANT SPP. BROWN TROUT COMMON IN MIDDLE REACHES. BROOK TROUT ABUNDANT IN UPPER ANDERSON CANYON. HATCHERY RAINBOW TROUT STOCKED NEAR PI-PI CAMPGROUND. MOUNTAIN YELLOW-LEGGED FROGS REPORTED IN ANDERSON CYN.				
General:	NO MAJOR DAMS OR WATER DIVERSIONS EXIST IN DRAINAGE.				
Owner/Manager:	USFS-ELDORADO NF				

Central Valley Drainage Hardhead/Squawfish Stream			Element Code: CARA2443CA		
Central Valley Drainage Hardhead/Squawfish Stream					
Listing Status:	Federal: None		CNDDDB Element Ranks:	Global: GNR	
	State: None			State: SNR	
	Other:				
Habitat:	General: <input type="checkbox"/>				
	Micro: <input type="checkbox"/>				

Occurrence No.	3	Map Index: 35355	EO Index: 29426	Element Last Seen:	1979-09-07
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1979-09-07
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated:	1996-09-24
Quad Summary:	Aukum (3812056), Fiddletown (3812057), Latrobe (3812058), Camino (3812066), Placerville (3812067)				
County Summary:	Amador, El Dorado				
Lat/Long:	38.58909 / -120.84447		Accuracy:	nonspecific area	
UTM:	Zone-10 N4273382 E687736		Elevation (ft):	800	
PLSS:	T09N, R10E, Sec. 35 (M)		Acres:	2604.2	
Location:	COSUMNES RIVER, NORTH OF PLYMOUTH.				
Detailed Location:	FROM LATROBE ROAD UPSTREAM TO FORK OF COSUMNES. INCLUDES LOWER REACHES OF NORTH AND MIDDLE FORK COSUMNES UP TO COUNTY ROAD E-16.				
Ecological:	SQUAWFISH AND SACRAMENTO SUCKERS PRESENT THROUGHOUT REACH; ONLY REPORT OF HARDHEAD IS 1 MILE BELOW HWY 49.				
General:	LITTLE INFORMATION ON AQUATIC ORGANISMS AVAILABLE FOR LOWER COSUMNES AS IT FLOWS THROUGH PRIVATE LANDS. NO MAJOR DAMS EXIST IN COSUMNES DRAINAGE, SO RIVER IS POTENTIALLY RESTORABLE.				
Owner/Manager:	PVT				



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Sphagnum Bog		Element Code: CTT51110CA	
Sphagnum Bog			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G3
	State: None		State: S1.2
	Other:		
Habitat:	General: <input type="checkbox"/>		
	Micro: <input type="checkbox"/>		

Occurrence No.	7	Map Index:	13250	EO Index:	11162	Element Last Seen:	1977-05-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1977-05-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1998-07-16	
Quad Summary:	Pollock Pines (3812075), Devil Peak (3812085)						
County Summary:	El Dorado						
Lat/Long:	38.86851 / -120.57659		Accuracy:	1 mile			
UTM:	Zone-10 N4304976 E710248		Elevation (ft):	4480			
PLSS:	T12N, R13E, Sec. 19, SE (M)		Acres:	0.0			
Location:	KINGS MEADOW (ALSO R13E, SECTIONS 19 & 30).						
Detailed Location:	4700 FT.						
Ecological:	DROSERA ROTUNDIFOLIA AND UTRICULARIA VULGARIS PRESENT. SURROUNDED BY CUT-OVER MIXED CONIFER FOREST.						
General:	SEE WWW.DFG.CA.GOV/BIOGEODATA/VEGCAMP/NATURAL_COMM_BACKGROUND.ASP TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.						
Owner/Manager:	PVT						

Nebria darlingtoni		Element Code: IICOL6L100	
South Forks ground beetle			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G1
	State: None		State: S1
	Other:		
Habitat:	General: RESTRICTED TO THE CANYON OF THE SOUTH FORK AMERICAN RIVER.		
	Micro: <input type="checkbox"/>		



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Occurrence No.	1	Map Index: 58425	EO Index: 58461	Element Last Seen:	197X-07-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	197X-07-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-26
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.77763 / -120.25771		Accuracy:	nonspecific area	
UTM:	Zone-10 N4295673 E738220		Elevation (ft):	4700	
PLSS:	T11N, R16E, Sec. 30 (M)		Acres:	45.2	
Location:	2 MILES EAST OF KYBURZ ON SOUTH FORK AMERICAN RIVER.				
Detailed Location:					
Ecological:	SOUTH FORK AMERICAN RIVER CANYON.				
General:	5 SPECIMENS DEPOSITED AT CAS. COLLECTED IN JULY; NO YEAR (BUT PROBABLY 1970S) AND NO FURTHER INFORMATION GIVEN.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	2	Map Index: 58426	EO Index: 58462	Element Last Seen:	1975-07-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1975-07-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2004-12-09
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.76560 / -120.49740		Accuracy:	1/5 mile	
UTM:	Zone-10 N4293740 E717432		Elevation (ft):	2985	
PLSS:	T11N, R13E, Sec. 26 (M)		Acres:	0.0	
Location:	3 MILES WEST OF RIVERTON, ON SOUTH FORK OF AMERICAN RIVER.				
Detailed Location:	TYPE LOCALITY.				
Ecological:					
General:	HOLOTYPE MALE AND ALLOTYPE FEMALE (DEPOSITED IN CAS), AND 105 MALE AND 65 FEMALE PARATYPES DEPOSITED IN VARIOUS COLLECTIONS. ALSO 151 SPECIMENS FROM BRIDAL FALLS PICNIC AREA, 3 MILES WEST OF RIVERTON.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	3	Map Index: 58428	EO Index: 58464	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-26
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.77545 / -120.40413		Accuracy:	1/5 mile	
UTM:	Zone-10 N4295059 E725505		Elevation (ft):	3750	
PLSS:	T11N, R14E, Sec. 27 (M)		Acres:	0.0	
Location:	WHITE HALL.				
Detailed Location:					
Ecological:					
General:	2 SPECIMENS COLLECTED IN JUNE; NO YEAR AND NO OTHER INFORMATION GIVEN.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	4	Map Index: 61157	EO Index: 61193	Element Last Seen: 1979-06-25
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1979-06-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2005-04-29

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.75430 / -120.26880	Accuracy:	1/10 mile
UTM:	Zone-10 N4293054 E737333	Elevation (ft):	4300
PLSS:	T11N, R15E, Sec. 35, SE (M)	Acres:	0.0

Location: CHINA FLAT CAMPGROUND, 2 MILES SOUTH OF KYBURZ.

Detailed Location:

Ecological:

General: 1 SPECIMEN DEPOSITED IN THE CALIFORNIA STATE COLLECTION OF ARTHROPODS (CDFA), COLLECTED BY W. AND A. HARDY.

Owner/Manager: USFS-ELDORADO NF

<i>Bombus occidentalis</i>	Element Code: IIHYM24250
western bumble bee	
Listing Status:	Federal: None
	State: None
	Other: USFS_S-Sensitive, XERCES_IM-Imperiled
Habitat:	General: ONCE COMMON & WIDESPREAD, SPECIES HAS DECLINED PRECIPITOUSLY FROM CENTRAL CA TO SOUTHERN B.C., PERHAPS FROM DISEASE.
	Micro: <input type="checkbox"/>
	CNDDDB Element Ranks: Global: G2G3
	State: S1

Occurrence No.	148	Map Index: 98424	EO Index: 99845	Element Last Seen: 1985-06-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1985-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2015-12-14

Quad Summary: Slate Mtn. (3812076), Tunnel Hill (3812086)

County Summary: El Dorado

Lat/Long:	38.89820 / -120.65181	Accuracy:	nonspecific area
UTM:	Zone-10 N4308101 E703636	Elevation (ft):	4300
PLSS:	T12N, R12E, Sec. 08 (M)	Acres:	2874.0

Location: BLODGETT FOREST RESEARCH STATION, 15 MILES EAST OF GEORGETOWN.

Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB NON-SPECIFICALLY ACROSS THE EXTENT OF BLODGETT FOREST RESEARCH STATION.

Ecological:

General: COLLECTIONS FROM 4 JUL 1983 AND 1 JUN 1985.

Owner/Manager: UC-BLODGETT FOREST RS



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<i>Bombus caliginosus</i>		Element Code: IIHYM24380	
obscure bumble bee			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4?
	State: None		State: S1S2
	Other: IUCN_VU-Vulnerable		
Habitat:	General: COASTAL AREAS FROM SANTA BARABARA COUNTY TO NORTH TO WASHINGTON STATE.		
	Micro: FOOD PLANT GENERA INCLUDE BACCHARIS, CIRSIUM, LUPINUS, LOTUS, GRINDELIA AND PHACELIA.		

Occurrence No.	88	Map Index:	82341	EO Index:	97719	Element Last Seen:	1981-06-13
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1981-06-13	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-06-30	

Quad Summary: Kyburz (3812073)
County Summary: El Dorado

Lat/Long:	38.77479 / -120.29524	Accuracy:	1 mile
UTM:	Zone-10 N4295260 E734969	Elevation (ft):	4100
PLSS:	T11N, R15E, Sec. 27 (M)	Acres:	0.0

Location: KYBURZ.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN THE GENERAL VICINITY OF KYBURZ, ALONG HIGHWAY 50.
Ecological:
General: COLLECTED 13 JUN 1981.
Owner/Manager: USFS-ELDORADO NF

<i>Orobittacus obscurus</i>		Element Code: IIMEC07010	
gold rush hanging scorpionfly			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G1
	State: None		State: S1
	Other:		
Habitat:	General: KNOWN ONLY FROM A SMALL AREA ON THE WESTERN SLOPES OF THE CENTRAL SIERRA NEVADA		
	Micro: DARKLY SHADED CRANNIES W/ HIGH HUMIDITY, I.E. UNDER TREE ROOTS, IN OVERHANGING BANKS, BELOW ROCK OUTCROPS, ALONG STREAMS		

Occurrence No.	1	Map Index:	60297	EO Index:	60333	Element Last Seen:	1979-06-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1979-06-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2005-03-01	

Quad Summary: Riverton (3812074)
County Summary: El Dorado

Lat/Long:	38.76763 / -120.47802	Accuracy:	specific area
UTM:	Zone-10 N4294011 E719110	Elevation (ft):	3040
PLSS:	T11N, R13E, Sec. 25 (M)	Acres:	123.7

Location: AMERICAN RIVER, 11.4 MILES WEST OF KYBURZ.
Detailed Location: MAPPED 11.4 ROAD MILES WEST OF KYBURZ.
Ecological: TYPE LOCALITY IS ROCKY WITH FORESTED SLOPES WITH SANDY BUT HUMOUS SOIL; FOREST IS DOMINATED BY PONDEROSA PINE, INCENSE CEDAR, AND DOUGLAS-FIR; HERB-GRASS-FERN STRATUM IS WELL-DEVELOPED.
General: HOLOTYPE MALE, ALLOTYPE FEMALE, 15 MALE AND 8 FEMALE PARATYPES, AND 211 MALE AND 156 PARATOPOTYPES.
Owner/Manager: USFS-ELDORADO NF



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<i>Cosumnoperla hypocrena</i>		Element Code: IIPLE23020	
Cosumnes stripetail			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other:		
Habitat:	General:	FOUND IN INTERMITTENT STREAMS ON WESTERN SLOPE OF CENTRAL SIERRA NEVADA FOOTHILLS IN AMERICAN AND COSUMNES RIVER BASINS.	
	Micro:	<input type="checkbox"/>	

Occurrence No.	1	Map Index:	66151	EO Index:	66230	Element Last Seen:	1985-06-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1985-06-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2012-11-06	

Quad Summary: Sly Park (3812065)
County Summary: El Dorado

Lat/Long:	38.64662 / -120.61761	Accuracy:	nonspecific area
UTM:	Zone-10 N4280256 E707330	Elevation (ft):	2200
PLSS:	T09N, R12E, Sec. 11, E (M)	Acres:	45.0

Location: UNNAMED TRIBUTARY 500 M UPSTREAM FROM SWEENEYS CROSSING BRIDGE ON NORTH FORK COSUMNES RIVER. 5.8 KM EAST OF SOMERSET.

Detailed Location:

Ecological: SHALLOW SPRING WATER FLOWING OVER HEAVILY SHADED, MOSS COVERED ROCKS. THE STREAM FLOWS ONLY ABOUT 7 MONTHS OUT OF THE YEAR, FROM NOVEMBER TO JUNE, THEN IS DRY IN SUMMER AND AUTUMN.

General: TYPE LOCALITY. COLLECTIONS IN 1983, 1984 & 1985. 11 F, 6 M, 6 NYMPHS, 2 LAB-REARED M & 9 LAB-REARED F COLLECTED. INTENSIVE COLLECTING ALONG THE COSUMNES RIVER, ITS NORTH FORK, & A FEW SMALLER TRIBUTARIES FAILED TO YIELD MORE INDIVIDUALS.

Owner/Manager: UNKNOWN

Occurrence No.	2	Map Index:	87171	EO Index:	88134	Element Last Seen:	1988-04-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1988-04-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2012-11-06	

Quad Summary: Camino (3812066)
County Summary: El Dorado

Lat/Long:	38.64914 / -120.63051	Accuracy:	nonspecific area
UTM:	Zone-10 N4280506 E706200	Elevation (ft):	2090
PLSS:	T09N, R12E, Sec. 11, W (M)	Acres:	42.0

Location: JACKASS CANYON CREEK ABOUT 5 KM EAST OF SOMERSET.

Detailed Location: COLLECTION AT "JACKASS CANYON CREEK (637 M), 5 KM E. OF SOMERSET." MAPPED TO GENERAL AREA OF STREAM AT THAT APPROXIMATE ELEVATION.

Ecological: WITHIN THE SACRAMENTO-SAN JOAQUIN FOOTHILL/VALLEY EPHEMERAL STREAM COMMUNITY OCCURRENCE.

General: 127 LARVAE COLLECTED 6 APR 1988 BY R.L. BOTTORFF.

Owner/Manager: UNKNOWN



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Occurrence No.	6	Map Index: 87178	EO Index: 88140	Element Last Seen: 1988-01-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1988-01-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2012-11-06

Quad Summary: Camino (3812066)

County Summary: El Dorado

Lat/Long:	38.68963 / -120.67266	Accuracy:	nonspecific area
UTM:	Zone-10 N4284906 E702417	Elevation (ft):	2457
PLSS:	T10N, R12E, Sec. 29, E (M)	Acres:	27.0

Location: UNNAMED TRIBUTARY TO CLEAR CREEK, ABOUT 1 KM NW OF PLEASANT VALLEY.

Detailed Location: COLLECTION AT "UNNAMED TRIBUTARY TO CLEAR CREEK (749 M), 1 KM NW OF PLEASANT VALLEY." MAPPED TO GENERAL AREA DESCRIBED.

Ecological:

General: 11 LARVAE COLLECTED 14 JAN 1988 BY R.L.BOTORFF.

Owner/Manager: UNKNOWN

Occurrence No.	7	Map Index: 87218	EO Index: 88184	Element Last Seen: 1988-01-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1988-01-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2012-11-08

Quad Summary: Camino (3812066)

County Summary: El Dorado

Lat/Long:	38.68579 / -120.72973	Accuracy:	nonspecific area
UTM:	Zone-10 N4284355 E697464	Elevation (ft):	2405
PLSS:	T10N, R11E, Sec. 26, SE (M)	Acres:	35.0

Location: MILLS CREEK ABOUT 1 KM NE OF INTERSECTION OF PLEASANT VALLEY RD & BUCKS BAR RD, ABOUT 6 KM W OF PLEASANT VALLEY.

Detailed Location: COLLECTION AT "MILLS CREEK (733 M), 6 KM W OF PLEASEANT VALLEY." MAPPED TO GENERAL AREA DESCRIBED.

Ecological:

General: 4 LARVAE COLLECTED 14 JAN 1988 BY R.L. BOTORFF.

Owner/Manager: UNKNOWN



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Occurrence No.	8	Map Index: 87219	EO Index: 88185	Element Last Seen: 1989-02-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1989-02-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2012-11-08

Quad Summary: Placerville (3812067)

County Summary: El Dorado

Lat/Long:	38.63700 / -120.83654	Accuracy:	nonspecific area
UTM:	Zone-10 N4278715 E688300	Elevation (ft):	1263
PLSS:	T09N, R10E, Sec. 14, E (M)	Acres:	39.0

Location: UNNAMED TRIBUTARY TO NORTH FORK COSUMNES RIVER, ALONG UNION MINE RD, ABOUT 5 KM SOUTH OF EL DORADO.

Detailed Location: LOCATION STATED AS "UNNAMED TRIBUTARY TO NORTH COSUMNES RIVER (385 M), 5 KM N OF EL DORADO." HOWEVER, N COSUMNES RIV IS 8 KM S OF EL DORADO, SO THERE MUST BE A TYPO & IS 5 KM SOUTH OF EL DORADO. MAPPED TO GENERAL DESCRIPTION & ELEVATION.

Ecological:

General: 1 MALE, 4 FEMALE, & 21 LARVAE COLLECTED 1 MAY 1987; 3 MALE, 3 FEMALE, 2 LARVAE COLLECTED 12 MAY 1987; 3 LARVAE COLLECTED 16 FEB 1989.

Owner/Manager: BLM, OTHER

Occurrence No.	9	Map Index: 87220	EO Index: 88186	Element Last Seen: 1988-03-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1988-03-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2012-11-08

Quad Summary: Placerville (3812067)

County Summary: El Dorado

Lat/Long:	38.69964 / -120.79037	Accuracy:	nonspecific area
UTM:	Zone-10 N4285763 E692151	Elevation (ft):	1742
PLSS:	T10N, R11E, Sec. 20, S (M)	Acres:	49.0

Location: RINGGOLD CREEK, ABOUT 2 KM NE OF DIAMOND SPRINGS.

Detailed Location: COLLECTION AT "RINGGOLD CREEK (531 M), 2 KM NE OF DIAMOND SPRINGS." MAPPED TO GENERAL AREA DESCRIBED.

Ecological:

General: 2 LARVAE COLLECTED 22 FEB 1988 & 1 LARVA COLLECTED 17 MAR 1988.

Owner/Manager: UNKNOWN



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Occurrence No.	12	Map Index: 87223	EO Index: 88189	Element Last Seen: 1998-06-12
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1998-06-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2012-11-08

Quad Summary: Old Iron Mountain (3812064)

County Summary: El Dorado

Lat/Long:	38.64886 / -120.47009	Accuracy:	nonspecific area
UTM:	Zone-10 N4280848 E720163	Elevation (ft):	4820
PLSS:	T09N, R14E, Sec. 07 (M)	Acres:	39.0

Location: LONG CANYON CREEK, ABOUT 5 KM NE OF GRIZZLY FLAT.

Detailed Location: COLLECTION AT "LONG CANYON CREEK (1469 M), 5 KM NE OF GRIZZLY FLAT." MAPPED TO GENERAL AREA DESCRIBED. NEAR CENTER OF SEC 7.

Ecological:

General: 7 LARVAE COLLECTED 12 JUN 1998 BY R.L. BOTORFF.

Owner/Manager: USFS-ELDORADO NF

<i>Rhyacophila spinata</i>		Element Code: IITRI19080
spiny rhyacophilan caddisfly		
Listing Status:	Federal: None	CNDDDB Element Ranks:
	State: None	Global: G1G2
	Other:	State: S1S2
Habitat:	General: RHYACOPHILIDS GENERALLY PREFER COOL, RUNNING WATER.	
	Micro: <input type="checkbox"/>	

Occurrence No.	5	Map Index: 67287	EO Index: 67449	Element Last Seen: 1979-08-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1979-08-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2006-11-30

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.77468 / -120.29714	Accuracy:	80 meters
UTM:	Zone-10 N4295243 E734803	Elevation (ft):	4000
PLSS:	T11N, R15E, Sec. 28, NE (M)	Acres:	0.0

Location: UNNAMED CREEK AT KYBURZ, HWY 50.

Detailed Location:

Ecological:

General: 2 MALES COLLECTED BY D.G. DENNING, IN THE COLLECTIONS OF THE CALIFORNIA ACADEMY OF SCIENCES.

Owner/Manager: UNKNOWN



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<i>Margaritifera falcata</i>		Element Code: IMBIV27020	
western pearlshell			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G4G5
	State: None		State: S1S2
	Other:		
Habitat:	General: AQUATIC.		
	Micro: PREFERS LOWER VELOCITY WATERS.		
Occurrence No.	14	Map Index: 85489	EO Index: 86504
Occ. Rank:	Unknown	Presence: Presumed Extant	Element Last Seen: 2006-07-25
Occ. Type:	Natural/Native occurrence	Trend: Unknown	Site Last Seen: 2006-07-25
			Record Last Updated: 2013-01-25
Quad Summary:	Kyburz (3812073)		
County Summary:	El Dorado		
Lat/Long:	38.75286 / -120.26657	Accuracy:	1/5 mile
UTM:	Zone-10 N4292900 E737532	Elevation (ft):	4750
PLSS:	T10N, R15E, Sec. 01, SW (M)	Acres:	0.0
Location:	SILVER FORK AMERICAN RIVER, TRIBUTARY TO THE SOUTH FORK AMERICAN RIVER AT CHINA FLAT CAMPGROUND, EL DORADO NF.		
Detailed Location:	CAS SPECIMEN COLLECTED AT "SILVER FORK OF SOUTH FORK, AMERICAN RIVER, ABOVE THE LUMBER MILL." MAPPED TO 2006 SURVEY AT "SILVER CREEK RD OFF HWY 50 TO FS RD 11N40. UNDER BRIDGE AT PARKING LOT FOR SCENIC AREA WALK." FIELD NUMBER: JKH06-029.		
Ecological:			
General:	ORIGINAL CAS COLLECTION NOT IN CAS ONLINE DATABASE, BUT CITED IN HOW10D0001 AND WES08R0001; COLLECTED BY A.G. SMITH ON AUG 1951. 20 MARGARITIFERA FOUND ON 25 JUL 2006.		
Owner/Manager:	USFS-ELDORADO NF		



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<i>Monadenia mormonum buttoni</i>		Element Code: IMGASC7071	
Button's Sierra sideband			
Listing Status:	Federal: None	CNDDDB Element Ranks:	Global: G2T1
	State: None		State: S1S2
	Other:		
Habitat:	General: KNOWN FROM THE CENTRAL SIERRA NEVADA COUNTIES.		
	Micro: <input type="checkbox"/>		

Occurrence No.	3	Map Index:	13484	EO Index:	23074	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2005-11-29
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Riverton (3812074)						
County Summary:	El Dorado						
Lat/Long:	38.77129 / -120.44714		Accuracy:	1/5 mile			
UTM:	Zone-10 N4294492 E721782		Elevation (ft):	3400			
PLSS:	T11N, R14E, Sec. 30, NE (M)		Acres:	0.0			
Location:	RIVERTON.						
Detailed Location:	RARE WITH A LIMITED DISTRIBUTION.						
Ecological:							
General:	SPECIMEN(S) DEPOSITED AT CAS.						
Owner/Manager:	PVT						



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Packera layneae		Element Code: PDAST8H1V0	
Layne's ragwort			
Listing Status:	Federal: Threatened	CNDDB Element Ranks:	Global: G2
	State: Rare		State: S2
	Other: Rare Plant Rank - 1B.2, SB_RSABG-Rancho Santa Ana Botanic Garden		
Habitat:	General: CHAPARRAL, CISMONTANE WOODLAND.		
	Micro: ULTRAMAFIC SOIL (SERPENTINE OR GABBRO); OCCASIONALLY ALONG STREAMS. 205-1060 M.		

Occurrence No.	14	Map Index: 12636	EO Index: 15171	Element Last Seen:	2016-06-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-13
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated:	2017-08-17

Quad Summary: Garden Valley (3812077), Georgetown (3812087)
County Summary: El Dorado

Lat/Long:	38.87563 / -120.82122	Accuracy:	specific area
UTM:	Zone-10 N4305232 E689004	Elevation (ft):	2300
PLSS:	T12N, R10E, Sec. 24, W (M)	Acres:	47.0

Location: ALONG BEAR CREEK ROAD, 1.7 MILES EAST OF BALD HILL, SOUTH OF GEORGETOWN.
Detailed Location: PART OF SOUTH POLYGON IS WITHIN THE TRAVERSE CREEK BOTANICAL AREA. MAPPED BY CNDDDB AS 5 POLYGONS BASED ON MAPS AND USFS DIGITAL DATA.
Ecological: ON SERPENTINE-DERIVED SOIL WITHIN SERPENTINE CHAPARRAL COMMUNITY. ASSOCIATES INCLUDE CEANOTHUS CUNEATUS, QUERCUS DUMOSA, PINUS SABINIANA, ERIOPHYLLUM LANATUM, CHLOROGALUM POMERIDIANUM, PRUNUS SP., CASTILLEJA APPLIGATEI, ETC.
General: NW POLYGON: 10-20 IN 1982, ~70 PLANTS IN 1984, NONE SEEN IN 1990. S POLYGON: APPROX 10 IN 1979, <1000 IN 1983, 102 IN 1990, 108 IN 1992. 20-200 PLANTS OBSERVED IN 2007. 379 IN NE THREE POLYGONS IN 2016. INCLUDES FORMER OCCURRENCE #17.
Owner/Manager: USFS-ELDORADO NF, PVT

Occurrence No.	15	Map Index: 12685	EO Index: 16866	Element Last Seen:	1978-07-XX
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen:	1983-11-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-08-16

Quad Summary: Placerville (3812067)
County Summary: El Dorado

Lat/Long:	38.70406 / -120.78410	Accuracy:	1/5 mile
UTM:	Zone-10 N4286267 E692685	Elevation (ft):	1760
PLSS:	T10N, R11E, Sec. 20, SE (M)	Acres:	0.0

Location: WEBER CREEK, NEAR PLACERVILLE.
Detailed Location:
Ecological: SITE CONTAINS MIXED CHAPARRAL AND IS SURROUNDED BY FOOTHILL WOODLAND. ASSOCIATES INCLUDE CEANOTHUS CUNEATUS, PINUS SABINIANA, AND QUERCUS SP.
General: SMALL COLONY OF ABOUT 25 PLANTS SEEN IN 1978. SURVEY IN 1983 REVEALED THAT SITE HAD RECENTLY BEEN GRADED AND THE POPULATION MAY HAVE BEEN EXTIRPATED; NO PLANTS FOUND IN 1983. 1907 AND 1977 COLLECTIONS FROM "WEBER CREEK" ATTRIBUTED HERE.
Owner/Manager: PVT



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Calystegia vanzuukiae

Element Code: PDCON040Q0

Van Zuuk's morning-glory

Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2Q
	State: None		State: S2
	Other: Rare Plant Rank - 1B.3		
Habitat:	General: CHAPARRAL, CISMONTANE WOODLAND.		
	Micro: GABBRO, SERPENTINITE. 700-1160 M.		

Occurrence No.	1	Map Index: 94350	EO Index: 95473	Element Last Seen:	2017-08-14
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-08-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-04-06

Quad Summary: Garden Valley (3812077), Georgetown (3812087)
County Summary: El Dorado

Lat/Long:	38.87309 / -120.81862	Accuracy:	specific area
UTM:	Zone-10 N4304955 E689236	Elevation (ft):	2300
PLSS:	T12N, R10E, Sec. 24, W (M)	Acres:	17.0

Location: TRAVERSE CREEK BOTANICAL SPECIAL INTEREST AREA; NEAR THE JUNCTION OF BEAR CREEK ROAD AND MEADOWBROOK ROAD, ELDORADO NF.

Detailed Location: MAPPED BY CNDDDB AS MANY POLYGONS ACCORDING TO 2014 COORDINATES FROM NOSAL, LAZAR, AND AYERS, AS WELL AS USFS DIGITAL DATA.

Ecological: LARGE AREA OF SERPENTINE HABITAT. CEANOTHUS CUNEATUS/QUERCUS DURATA CHAPARRAL WITH UMBELLULARIA, PINUS SABINIANA, FRANGULA TOMENTOSA, ELYMUS ELYMOIDES, ERIOGONUM, BRODIAEA, CHLOROGALUM POMERIDIANUM AND MANY ANNUAL HERBS.

General: THOUSANDS OF PLANTS OBSERVED IN 2014. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2016. 100 PLANTS OBSERVED IN A SMALL PORTION OF SITE IN 2017.

Owner/Manager: USFS-ELDORADO NF, PVT



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<i>Viburnum ellipticum</i>		Element Code: PDCPR07080	
oval-leaved viburnum			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G4G5
	State: None		State: S3?
	Other: Rare Plant Rank - 2B.3		
Habitat:	General: CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.		
	Micro: 215-1400 M.		

Occurrence No.	5	Map Index:	49957	EO Index:	49957	Element Last Seen:	1901-09-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1901-09-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2003-01-23	

Quad Summary: Placerville (3812067)
County Summary: El Dorado

Lat/Long:	38.72955 / -120.79770	Accuracy:	1 mile
UTM:	Zone-10 N4289067 E691435	Elevation (ft):	
PLSS:	T10N, R11E, Sec. 07 (M)	Acres:	0.0

Location: PLACERVILLE.
Detailed Location: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS IN VICINITY OF PLACERVILLE.
Ecological:
General: SITE BASED ON A 1900 & A 1901 IRWIN COLLECTION. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

<i>Arctostaphylos nissenana</i>		Element Code: PDERI040V0	
Nissenan manzanita			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G1
	State: None		State: S1
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, USFS_S-Sensitive		
Habitat:	General: CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL.		
	Micro: USUALLY ON METAMORPHICS, ASSOCIATED W/ OTHER CHAPARRAL SPECIES. 485-1005 M.		



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Occurrence No.	1	Map Index: 12635	EO Index: 24345	Element Last Seen:	2005-01-20
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2005-01-20
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated:	2017-03-03
Quad Summary:	Placerville (3812067)				
County Summary:	El Dorado				
Lat/Long:	38.66928 / -120.81286		Accuracy:	specific area	
UTM:	Zone-10 N4282348 E690277		Elevation (ft):	1600	
PLSS:	T09N, R11E, Sec. 6 (M)		Acres:	378.0	
Location:	SOUTH OF DIAMOND SPRINGS NEAR MARTINEZ CREEK.				
Detailed Location:	MAPPED AS 6 POLYGONS BY CNDDDB ACCORDING TO WIESLANDER VEGETATION TYPE MAPS FROM THE 1930S AND TWO 1992 CLARK MAPS. IN JANUARY 2005, GRABER NOTES THAT MORE THAN 95% OF THE POP NEAR FOWLER LANE WAS DEAD WITH NO REPRODUCTION VISIBLE.				
Ecological:	GROWING ON SOUTH FACING SLOPES, OFTEN IN PURE STANDS. OCCASIONALLY ASSOCIATED WITH ADENOSTOMA FASCICULATUM, DENDROMECON RIGIDA, ARCTOSTAPHYLOS VISCIDA, AND QUERCUS WISLIZENI. SOME INTERMEDIATES WITH A. VISCIDA ALSO IN THE AREA.				
General:	4 S POLYGONS BASED ON 1930S MAP DATA. N POLYS: 1000S IN 1978 & 1992, 2300 IN 2004, UNK # IN 2005. IN 2004, PLANTS AT NE COLONY APPEAR HEALTHY BUT OTHER SITES UNHEALTHY WITH >50% DEAD; LOOKS SIMILAR TO PHYTOPHTHORA. INCLUDES FORMER OCC #13.				
Owner/Manager:	PVT				
Occurrence No.	2	Map Index: 12666	EO Index: 20113	Element Last Seen:	1938-04-12
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1938-04-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-12-09
Quad Summary:	Placerville (3812067)				
County Summary:	El Dorado				
Lat/Long:	38.69160 / -120.78723		Accuracy:	nonspecific area	
UTM:	Zone-10 N4284878 E692446		Elevation (ft):	1800	
PLSS:	T10N, R11E, Sec. 29 (M)		Acres:	607.6	
Location:	1-2 MILES SE OF DIAMOND SPRINGS, HEAD OF MARTINEZ CREEK.				
Detailed Location:	MAPPED ACCORDING TO T-R-S ON A JEPSON COLLECTION LABEL IN SECTION 29. A 1935 JENSEN COLLECTION FROM "1 MI SE OF DIAMOND SPRINGS" IN SECTION 32 ALSO ATTRIBUTED TO THIS SITE BUT MAY BE TO THE SOUTH OF THE MAPPED AREA.				
Ecological:					
General:	UNKNOWN NUMBER OF PLANTS IN 1935 & 1938. NEEDS FIELDWORK. SITE MAY ACTUALLY BE REFERENCING EO #1 TO THE SW; NOTE ON JEPSON COLLECTION LABEL INDICATES COLLECTION WAS LIKELY AT SAME SITE AS WIESLANDER TYPE MAP PROJECT WHICH IS CNDDDB EO #1.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	3	Map Index: 12688	EO Index: 24343	Element Last Seen:	1992-03-27
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2004-06-21
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated:	2017-03-03

Quad Summary: Placerville (3812067)

County Summary: El Dorado

Lat/Long:	38.72688 / -120.78397	Accuracy:	nonspecific area
UTM:	Zone-10 N4288800 E692635	Elevation (ft):	2100
PLSS:	T10N, R11E, Sec. 17, NE (M)	Acres:	39.1

Location: SPANISH RAVINE, PLACERVILLE.

Detailed Location: 3 BLOCKS S ON SPANISH RAVINE RD THEN LEFT ON DIRT ROAD, UPHILL 100 YARDS. LOCATED ON FLAT SLATE ROCK ABOUT HALF WAY UP THE SLOPE. EXACT LOCATION UNK; MAPPED AS BEST GUESS ALONG THE E SIDE OF SPANISH RAVINE; NO MAP PROVIDED W/ ORIGINAL DATA.

Ecological: IN CLEARING IN CHAPARRAL SURROUNDED BY ARCTOSTAPHYLOS VISCIDA WITH QUERCUS AND PINUS. RED SEDIMENTARY SOILS.

General: 12 PLANTS IN 1944, 5 IN 1956, 8 IN 1992. NO REPRODUCTION OBSERVED BY MATURE PLANTS IN 1992. NO PLANTS SEEN IN 2004; VEGETATION WAS VERY DENSE, A. NISSENANA MAY HAVE BEEN SHADED OUT. HISTORIC COLLECTIONS FROM "PLACERVILLE" ALSO ATTRIB HERE.

Owner/Manager: PVT

Occurrence No.	4	Map Index: 24162	EO Index: 16478	Element Last Seen:	1945-02-19
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1945-02-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1993-10-14

Quad Summary: Camino (3812066), Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.74106 / -120.72845	Accuracy:	1 mile
UTM:	Zone-10 N4290492 E697424	Elevation (ft):	2600
PLSS:	T10N, R11E, Sec. 02 (M)	Acres:	0.0

Location: FRUIT RIDGE, 3 MILES EAST OF PLACERVILLE.

Detailed Location: SOURCE DOCUMENT GIVES 2500 FT ELEVATION.

Ecological: IN DENSE STAND OF ARCTOSTAPHYLOS VISCIDA.

General: 1 PLANT IN 1945. COLLECTION AT UC INDICATES SPECIMEN IS A HYBRID BETWEEN ARCTOSTAPHYLOS VISCIDA AND A. NISSENANA.

Owner/Manager: UNKNOWN



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Occurrence No.	5	Map Index: 13126	EO Index: 14036	Element Last Seen:	2015-06-18
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-06-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-03-02

Quad Summary: Pollock Pines (3812075), Slate Mtn. (3812076)
County Summary: El Dorado

Lat/Long:	38.79704 / -120.63775	Accuracy:	specific area
UTM:	Zone-10 N4296905 E705147	Elevation (ft):	2900
PLSS:	T11N, R12E, Sec. 16, S (M)	Acres:	167.0

Location: POHO RIDGE EXTENDING SOUTH TO SOUTH FORK AMERICAN RIVER.
Detailed Location: MAPPED BY CNDDDB ACCORDING TO WIESLANDER VEGETATION TYPE MAPS FROM THE 1930S (SE POLYGON AND PART OF WESTERN POLYGON) AND USFS DIGITAL DATA.
Ecological: METAMORPHIC DERIVED SOILS. ASSOCIATES INCL ERIODICTYON CALIFORNICUM, QUERCUS KELLOGGII, Q. CHRYSOLEPIS, PINUS ATTENUATA, P. PONDEROSA, SPRAWLING CEANOTHUS TOMENTOSUS, HAPLOPAPPUS ARBORESCENS, PSEUDOTSUGA MENZIESII, ARCTOSTAPHYLOS VISCIDA.
General: IN 1965, THIS POP THOUGHT TO BE LARGEST; SCATTERED COLONIES VISIBLE FOR AT LEAST 1 MILE, THOUSANDS OF SEEDLINGS ALSO SEEN. PURE STANDS SEEN IN 1979 WITH ~5 PLANTS/SQ METER. UNK # SEEN IN 1992. "MONOCULTURE" ON POHO RIDGE IN 2015.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	6	Map Index: 13095	EO Index: 14034	Element Last Seen:	2015-06-11
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-06-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-03-03

Quad Summary: Slate Mtn. (3812076)
County Summary: El Dorado

Lat/Long:	38.80027 / -120.65563	Accuracy:	specific area
UTM:	Zone-10 N4297223 E703584	Elevation (ft):	3000
PLSS:	T11N, R12E, Sec. 17 (M)	Acres:	108.0

Location: RIDGE WNW OF POHO RIDGE, BETWEEN BRUSH CREEK & SLAB CREEK.
Detailed Location: MAPPED BY CNDDDB AS 3 POLYGONS IN SECTIONS 16 & 17 ACCORDING TO A 1979 BAAD MAP.
Ecological: METAMORPHIC DERIVED SOILS. AREA BURNED IN THE KING FIRE.
General: "2 SMALL POPULATIONS" SEEN IN 1965. PURE STANDS SEEN IN 1979. IN 2015, NO PLANTS OBSERVED IN THE MIDDLE PORTION OF SITE BUT HUNDREDS OF PLANTS AND NUMEROUS SEEDLINGS OBSERVED AT NE AND SW ENDS OF SITE.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	7	Map Index: 13037	EO Index: 20110	Element Last Seen:	2015-08-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-08-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-03-02
Quad Summary:	Slate Mtn. (3812076)				
County Summary:	El Dorado				
Lat/Long:	38.81682 / -120.67959		Accuracy:	specific area	
UTM:	Zone-10 N4299007 E701457		Elevation (ft):	3300	
PLSS:	T11N, R12E, Sec. 07 (M)		Acres:	64.0	
Location:	RIDGE SW OF DARK CANYON, 0.5 AIR MILE SE OF SLATE MTN LOOKOUT.				
Detailed Location:	MAPPED BY CNDDDB AS 2 POLYGONS IN SECTIONS 7 & 8 ACCORDING TO A 1979 BAAD MAP. TAYLOR & HELKAMP REPORT "SLATE KNOLL WITH ABOUT 2 ACRES OF THIS PLANT" IN 2009. IN 2015, OBSERVED IN A SMALL PART OF THE NW PORTION OF N POLYGON.				
Ecological:	IN CHAPARRAL ON EXPOSED WEATHERED SHALE. ASSOCIATED WITH QUERCUS CHRYSOLEPIS, Q. KELLOGGII, PSEUDOTSUGA MENZIESII, PINUS LAMBERTIANA, P. PONDEROSA, ARCTOSTAPHYLOS VISCIDA, AND CALYPTRIDIMUM UMBELLATUM. SOUTH-FACING SLOPE.				
General:	IN 1965, A. NISSENANA CONSTITUTED "CLOSE TO 100% OF THE CHAPARRAL OVER SOME 10 ACRES"; LOCATED IN A "CORRAL" FORMED BY TALLER A. VISCIDA. UNKNOWN NUMBER IN 1979 & 2004. LOCALLY COMMON IN 2009. IN 2015, ~100 PLANTS IN N POLY, NONE IN S POLY.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	8	Map Index: 12630	EO Index: 8052	Element Last Seen:	1966-02-09
Occ. Rank:	None		Presence: Possibly Extirpated	Site Last Seen:	1966-02-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-03-03
Quad Summary:	Garden Valley (3812077)				
County Summary:	El Dorado				
Lat/Long:	38.83577 / -120.82518		Accuracy:	1/5 mile	
UTM:	Zone-10 N4300799 E688766		Elevation (ft):	2300	
PLSS:	T11N, R10E, Sec. 2, NE (M)		Acres:	70.0	
Location:	ASHCRAFT RANCH, ABOUT 0.5 AIR MILE NORTH OF FOSTER MOUNTAIN, NEAR AMERICAN FLAT.				
Detailed Location:					
Ecological:	ASSOCIATED WITH ERIODICTYON CALIFORNICUM AND SALVIA SONOMENSIS ON SHALE.				
General:	TYPE LOCALITY. IN 1965, THE POPULATION COVERED ~8 ACRES. UNK # IN 1966. ACCORDING TO DRAKE W/ CDFG TIMBER HARVEST REVIEW (1993), THIS AREA WAS CONVERTED TO GRAZING LAND MANY YEARS AGO. THE STATUS OF THIS POPULATION SHOULD BE FIELD CHECKED.				
Owner/Manager:	PVT				



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Occurrence No.	11	Map Index: 13070	EO Index: 20109	Element Last Seen: 1979-06-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1979-06-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2008-12-09
Quad Summary:	Slate Mtn. (3812076)			
County Summary:	El Dorado			
Lat/Long:	38.80368 / -120.67262		Accuracy: 1/5 mile	
UTM:	Zone-10 N4297564 E702098		Elevation (ft): 2600	
PLSS:	T11N, R12E, Sec. 17, NW (M)		Acres: 0.0	
Location:	NEAR SLAB CREEK 0.75 AIR MILE NNE OF CABLE POINT.			
Detailed Location:				
Ecological:				
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1980 SMALL SCALE BAAD MAP; PRESUMABLY SEEN BY BAAD IN 1979. NEEDS FIELDWORK.			
Owner/Manager:	USFS-ELDORADO NF			
Occurrence No.	14	Map Index: A3853	EO Index: 105507	Element Last Seen: 2013-03-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2013-03-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2017-03-03
Quad Summary:	Placerville (3812067)			
County Summary:	El Dorado			
Lat/Long:	38.69007 / -120.8188		Accuracy: 80 meters	
UTM:	Zone-10 N4284642 E689705		Elevation (ft): 1760	
PLSS:	T10N, R10E, Sec. 25, SE (M)		Acres: 5.0	
Location:	WEST SIDE OF FAITH LANE, ABOUT 0.25 MILE SOUTH OF PLEASANT VALLEY ROAD/HWY 49, DIAMOND SPRINGS.			
Detailed Location:	MAPPED ACCORDING TO 2013 ROBINSON COORDINATES.			
Ecological:	AREA OF CHAPARRAL AND PINE-OAK WOODLAND. ARCTOSTAPHYLOS VISCIDA IS GROWING NEARBY AND SOME PLANTS APPEAR TO BE HYBRIDS.			
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2013 ROBINSON COLLECTION.			
Owner/Manager:	UNKNOWN			
Occurrence No.	15	Map Index: A3854	EO Index: 105508	Element Last Seen: XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: XXXX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2017-03-02
Quad Summary:	Slate Mtn. (3812076)			
County Summary:	El Dorado			
Lat/Long:	38.85808 / -120.73163		Accuracy: specific area	
UTM:	Zone-10 N4303473 E696825		Elevation (ft): 3000	
PLSS:	T12N, R11E, Sec. 27, SE (M)		Acres: 81.0	
Location:	NW END OF SLATE MOUNTAIN, ABOUT 1 AIR MILE SE OF THE CONFLUENCE OF ROCK CREEK AND BALD MTN CANYON.			
Detailed Location:				
Ecological:	MONTANE CHAPARRAL WITH ARCTOSTAPHYLOS VISCIDA.			
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS WIESLANDER'S VEGETATION TYPE MAP DATA. PLANTS OBSERVED SOMETIME IN THE 1930S.			
Owner/Manager:	USFS-ELDORADO NF			



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<i>Phacelia stebbinsii</i>		Element Code: PDHYD0C4D0
Stebbins' phacelia		
Listing Status:	Federal: None	CNDDB Element Ranks: Global: G3
	State: None	State: S3
	Other: Rare Plant Rank - 1B.2, USFS_S-Sensitive	
Habitat:	General: LOWER MONTANE CONIFEROUS FOREST, CISMONTANE WOODLAND, MEADOWS AND SEEPS.	
	Micro: AMONG ROCKS AND RUBBLE ON METAMORPHIC ROCK BENCHES. 610-2010 M.	

Occurrence No.	1	Map Index: 13284	EO Index: 4957	Element Last Seen:	1991-06-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-31
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.83985 / -120.54509		Accuracy:	80 meters	
UTM:	Zone-10 N4301868 E713067		Elevation (ft):	4100	
PLSS:	T12N, R13E, Sec. 32, SE (M)		Acres:	0.0	
Location:	IMMEDIATELY N OF JCT OF SUGAR PINE CRK AND UNNAMED CREEK (PINE CRK?), ~0.5 MI W OF SILVER CREEK. NEAR SUGAR PINE FALLS.				
Detailed Location:	SHADY ROCK OUTCROPPING JUST AT WATER'S EDGE AS IT STARTS THE FALLS. MAPPED BY CNDDDB BASED ON 1983 TYLER FIELD SURVEY AND MAP IN THE WEST 1/2 OF THE SE 1/4 SECTION 32. THIS IS FS POPULATION #03-8.				
Ecological:	IN JOSEPHINE LOAM ON ROCKY OUTCROP WITH WOOD DUFF IN LOW PLACES NEAR WATER. ASSOCIATED WITH DOUGLAS-FIR, PHACELIA QUICKII, CLAYTONIA, QUERCUS CHRYSOLEPIS, ALNUS, LITHOCARPUS, CORNUS NUTALLII. GROWING IN PIECES OF WOOD & BARK ON ROCKS.				
General:	FEWER THAN 1000 PLANTS SEEN IN 1983 SCATTERED ALL ALONG ROCKY OUTCROPPING. 250 PLANTS SEEN IN 1991. POPULATION MAY EXTEND NE OF MAPPED AREA. 1969 HECKARD COLLECTION FROM "ON SUGAR PINE CREEK NEAR HEAD OF FALLS" ALSO ATTRIBUTED TO THIS SITE.				
Owner/Manager:	USFS-ELDORADO NF				

Occurrence No.	2	Map Index: 13294	EO Index: 4956	Element Last Seen:	2016-06-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-14
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.83323 / -120.53239		Accuracy:	specific area	
UTM:	Zone-10 N4301164 E714190		Elevation (ft):	2985	
PLSS:	T11N, R13E, Sec. 4, NW (M)		Acres:	71.0	
Location:	ALONG JAYBIRD POWERHOUSE RD AND SILVER CREEK IN THE VICINITY OF CAMINO RESERVOIR.				
Detailed Location:	MAPPED AS 9 POLYGONS BY CNDDDB BASED PRIMARILY ON USFS FIELD SURVEYS AND DIGITAL DATA. INCLUDES FORMER EO #3.				
Ecological:	ON STEEP ROADCUTS AND TRAILSIDE IN POCKETS OF OAK LITTER ON METAMORPHIC ROCK. ASSOCIATED WITH QUERCUS CHRYSOLEPIS, ERIOPHYLLUM LANATUM, PENSTEMON AZUREUS, SEDUM SPATHULAEFOLIUM, MONTIA PARVIFOLIA, ETC. LEWISIA SERRATA ALSO AT THIS SITE.				
General:	POPULATION NUMBERS ARE FOR PORTIONS OF SITE: <50 PLANTS SEEN IN 1978. ~10 PLANTS/SQ METER OF OCCUPIED HABITAT IN 1979. <100 PLANTS IN N-MOST POLY IN 1982. 5000+ IN 2000, UNKNOWN # SEEN IN 2002, ~165 IN 2015, 775 IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	4	Map Index: 13285	EO Index: 5628	Element Last Seen:	1992-06-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1992-06-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-31

Quad Summary: Devil Peak (3812085)

County Summary: El Dorado

Lat/Long:	38.91704 / -120.54543	Accuracy:	specific area
UTM:	Zone-10 N4310435 E712806	Elevation (ft):	4000
PLSS:	T12N, R13E, Sec. 05, W (M)	Acres:	10.0

Location: LEONARDI SPRING WATERFALL, EAST OF STUMPY MEADOWS LAKE.

Detailed Location: WITHIN 20 FEET OF FALLS. MAPPED BY CNDDDB ACC TO A 1992 WILLIAMS MAP WHICH SHOWS 2 POPULATIONS AT THIS SITE; OTHER MAPS SHOW ONLY ONE POP AND SOME SHOW THIS POP FURTHER S CO-OCCURRING W/ LEWISIA SERRATA. THIS IS FS POPULATION #03-04 (29C?).

Ecological: FLAT ROCKY AREA IN FULL SUN. ROCKY SLOPES. MIXED CONIFEROUS FOREST. ASSOCIATED W/COLLINSIA TINCTORIA, HEUCHERA MICRANTHA, SEDUM SPATHULIFOLIUM, DENTARIA CA, SMILACINA RACEMOSA, SILENE LEMMONII, MITELLA TRIFIDA, LEWISIA SERRATA (ALSO RARE).

General: ABOUT 100 PLANTS SEEN IN 1979. SEEN IN 1986 DURING A SURVEY FOR LEWISIA STEBBINSII. 1969 AND 1970 COLLECTIONS FROM "NEAR LEONARDI FALLS BOTANICAL AREA" ARE ALSO ATTRIBUTED TO THIS SITE.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	5	Map Index: 13163	EO Index: 4869	Element Last Seen:	1985-06-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1985-06-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-12-12

Quad Summary: Devil Peak (3812085)

County Summary: Placer

Lat/Long:	38.94759 / -120.61992	Accuracy:	specific area
UTM:	Zone-10 N4313654 E706259	Elevation (ft):	2700
PLSS:	T13N, R12E, Sec. 27, SE (M)	Acres:	1.0

Location: SOUTH SIDE OF INNER GORGE OF BIG GRIZZLY CANYON, 0.35 MILE UPSTREAM FROM JUNCTION WITH RUBICON RIVER.

Detailed Location: ON SOUTHEAST SIDE OF CREEK.

Ecological: IN SPARSELY VEGETATED OPENINGS OF CANYON LIVE OAK FOREST ON SLOPE AND BENCHES OF METAMORPHIC BEDROCK OUTCROP AND ASSOCIATED TALUS AND SCREE. WITH DIPLACUS GRANDIFLORUS, AESCULUS CALIFORNICA, KECKIELLA BREVIFLORA, VULPIA MYUROS HIRSUTA, ETC.

General: <10,000 PLANTS SEEN IN 1985 BETWEEN THIS AND A PORTION OF EO #6.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	6	Map Index:	13182	EO Index:	4870	Element Last Seen:	1985-06-20
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1985-06-20	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-12-12	

Quad Summary: Devil Peak (3812085)

County Summary: Placer

Lat/Long:	38.95355 / -120.60985	Accuracy:	specific area
UTM:	Zone-10 N4314339 E707114	Elevation (ft):	3650
PLSS:	T13N, R12E, Sec. 26, NW (M)	Acres:	5.0

Location: INNER GORGE OF BIG GRIZZLY CANYON CREEK, 0.9-1.3 MILE UPSTREAM FROM JUNCTION WITH RUBICON RIVER.

Detailed Location: BOTH SIDES OF CREEK. SEVERAL SUBPOPS; PLANTS EXTEND TO 0.15 MI SE OF CREEK IN WESTERNMOST PART OF OCCURRENCE. IN 1984 JOKERST MENTIONS THAT THE PREFERRED PHACELIA HABITAT IS COMMON W/IN THIS GORGE & MORE PLANTS ARE LIKELY IN THIS AREA.

Ecological: IN SPARSELY VEGETATED OPENINGS & MOSS-COVERED EXPOSURES IN Q. CHRYSOLEPIS FOREST ON SLOPES & BENCHES OF METAMORPHIC BEDROCK OUTCROP & ASSOCIATED TALUS & SCREE. W/POISON OAK, HEUCHERA MICRANTHA, POLYSTICHUM MUNITUM, MELICA GEYERI.

General: <2000 PLANTS SEEN IN 1984. <10,000 PLANTS SEEN IN 1985 BETWEEN A PORTION OF THIS EO AND EO #5. INCLUDES FORMER EO #S 7-9.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	10	Map Index:	13212	EO Index:	13719	Element Last Seen:	1985-09-02
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1985-09-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-12-19	

Quad Summary: Devil Peak (3812085)

County Summary: Placer

Lat/Long:	38.98272 / -120.59539	Accuracy:	specific area
UTM:	Zone-10 N4317609 E708282	Elevation (ft):	4040
PLSS:	T13N, R12E, Sec. 13, N (M)	Acres:	83.0

Location: SCATTERED ALONG LONG CANYON IN THE VICINITY OF ITS INTERSECTION WITH WALLACE CANYON.

Detailed Location: MAPPED BY CNDDDB AS 4 POLYS ACC TO 1984 & 1985 JOKERST MAPS. JOKERST MENTIONS THAT "PHACELIA STEBBINSII IS COMMON ON NEARLY ALL BEDROCK OUTCROPS, ALL SUITABLE HABITAT WAS NOT SEARCHED & ALL OCCURRENCES WERE NOT MAPPED."

Ecological: PLANTS IN OPENINGS IN RIPARIAN AND CANYON LIVE OAK WOODLAND ON MOSS-COVERED BEDROCK OUTCROPS AND ASSOCIATED TALUS AND SCREE. ASSOCIATED WITH SEDUM SPATHULIFOLIUM, POA SCABRELLA, MELICA CALIFORNICA AND THE RARE LEWISA SERRATA. 2800-3400 FT.

General: 10,000+ PLANTS SEEN IN 1984 & 1985 THROUGHOUT LONG CANYON. NEED BETTER MAP DETAIL; UNSURE IF PHACELIA STEBBINSII IS CONTINUOUS THROUGHOUT THIS CANYON. NEEDS FIELDWORK. INCLUDES FORMER OCCURRENCES #15 AND 16.

Owner/Manager: USFS-ELDORADO NF, PVT



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Occurrence No.	11	Map Index: 13238	EO Index: 18273	Element Last Seen: 1984-06-22
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1984-06-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2008-12-19

Quad Summary: Devil Peak (3812085)

County Summary: Placer

Lat/Long:	38.97722 / -120.58534	Accuracy:	specific area
UTM:	Zone-10 N4317022 E709169	Elevation (ft):	3500
PLSS:	T13N, R12E, Sec. 13, SE (M)	Acres:	6.0

Location: SCATTERED ALONG WALLACE CANYON, FROM 0.75-1.0 MILE DOWNSTREAM FROM JUNCTION WITH LONG CANYON.

Detailed Location: PLANTS EXTEND TO ABOUT 500 FEET ABOVE THE CREEKBED. IN 1984 JOKERST NOTES THAT THERE IS LIKELY MORE HABITAT IN THIS AREA WHICH CONTAINS PHACELIA STEBBINSII.

Ecological: FOUND IN THE CONTACT ZONE BETWEEN DECIDUOUS RIPARIAN AND THE CANYON LIVE OAK FOREST ON METAMORPHIC BEDROCK OUTCROPS AND ASSOCIATED SCREE. BEDROCK PARTIALLY MOSS AND SELAGINELLA-COVERED. WITH POA SCABRELLA, MELICA AND COLLINSIA TINCTORIA.

General: 10,000+ PLANTS SEEN IN 1984 BETWEEN THIS SITE AND A PORTION OF EO #10.

Owner/Manager: USFS-ELDORADO NF, PVT

Occurrence No.	12	Map Index: 13265	EO Index: 18272	Element Last Seen: 2012-06-05
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2012-06-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-08-31

Quad Summary: Devil Peak (3812085)

County Summary: Placer

Lat/Long:	38.99647 / -120.55952	Accuracy:	specific area
UTM:	Zone-10 N4319219 E711348	Elevation (ft):	3700
PLSS:	T13N, R13E, Sec. 08, NE (M)	Acres:	26.0

Location: ALONG INNER GORGE OF LONG CANYON, FROM VICINITY OF RAMSEY CROSSING TO APPROX 0.9 AIR MILE DOWNSTREAM OF CROSSING.

Detailed Location: PLANTS OCCUR FROM 10-900 FT ABOVE THE CREEKBED. ASSOCIATES WITH AREAS WHERE BEDROCK IS EXPOSED AND HIGHLY DECOMPOSED AND FRACTURED. A 1988 JOKERST COLL FROM "1 MI W RAMSEY CROSSING" IN THE NE1/4 OF THE NE1/4 OF SEC 7 ALSO ATTRIBUTED HERE.

Ecological: IN RIPARIAN WOODLAND AND ADJACENT CANYON LIVE OAK FOREST. ON TALUS, SCREE, POCKETS OF ACCUMULATED SOIL, DUFF, AND MOSS ON METAMORPHIC BEDROCK OUTCROP. ASSOCIATED W/POA SCABRELLA, MELICA GEYERI, BRODIAEA ELEGANS, EPILOBIUM CANUM, ETC.

General: 10,000+ PLANTS SEEN BETWEEN THIS SITE AND A PORTION OF EO #10 IN 1984. UNKNOWN NUMBER OF PLANTS SEEN IN 1988 & 2002. 5126 PLANTS OBSERVED IN 2012. ELEVATION RANGES FROM 3530 TO 3870 FT. INCLUDES FORMER OCCURRENCES #13 & #14.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	17	Map Index:	13141	EO Index:	18268	Element Last Seen:	1985-08-02
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1985-08-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-12-19	

Quad Summary: Tunnel Hill (3812086)

County Summary: Placer

Lat/Long:	38.98057 / -120.63982	Accuracy:	specific area
UTM:	Zone-10 N4317271 E704439	Elevation (ft):	2400
PLSS:	T13N, R12E, Sec. 16, NE (M)	Acres:	14.0

Location: SOUTH SIDE OF INNER GORGE OF LONG CANYON, APPROXIMATELY 3.0 AND 3.2 MILES UPSTREAM FROM JUNCTION WITH RUBICON RIVER.

Detailed Location: MAPPED BY CNDDDB AS 3 POLYGONS IN THE N PART OF SECTION 16. IN 1985, JOKERST MENTIONS THAT "PHACELIA STEBBINSII IS COMMON ON NEARLY ALL BEDROCK OUTCROPS, ALL SUITABLE HABITAT WAS NOT SEARCHED & ALL OCCURRENCES WERE NOT MAPPED."

Ecological: IN CANYON LIVE OAK FOREST. PLANTS FOUND IN SCREE TALUS, AND SOIL ACCUMULATIONS ASSOCIATED WITH BEDROCK OUTCROPS. ASSOCIATED WITH DIPLACUS GRANDIFLORUS, PHILADELPHUS LEWISII, CHEILANTHES SILIQUOSA, ERIOGONUM UMBELLATUM.

General: 10,000+ PLANTS SEEN IN 1985 BETWEEN THIS SITE AND EO #S 19 & 20. NEED BETTER MAP DETAIL; UNSURE IF PHACELIA STEBBINSII IS CONTINUOUS THROUGHOUT THIS CANYON. NEEDS FIELDWORK. INCLUDES FORMER EO #18.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	19	Map Index:	13121	EO Index:	18267	Element Last Seen:	1985-08-02
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1985-08-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-12-19	

Quad Summary: Tunnel Hill (3812086)

County Summary: Placer

Lat/Long:	38.98247 / -120.65090	Accuracy:	specific area
UTM:	Zone-10 N4317456 E703474	Elevation (ft):	2100
PLSS:	T13N, R12E, Sec. 16, NW (M)	Acres:	2.0

Location: SOUTH SIDE OF INNER GORGE OF LONG CANYON, APPROXIMATELY 2.3 MILES UPSTREAM FROM JUNCTION WITH RUBICON RIVER.

Detailed Location: IN 1985, JOKERST MENTIONS THAT "PHACELIA STEBBINSII IS COMMON ON NEARLY ALL BEDROCK OUTCROPS, ALL SUITABLE HABITAT WAS NOT SEARCHED & ALL OCCURRENCES WERE NOT MAPPED."

Ecological: IN CANYON LIVE OAK FOREST. PLANTS FOUND IN SCREE TALUS, AND SOIL ACCUMULATIONS ASSOCIATED WITH BEDROCK OUTCROPS. ASSOCIATED WITH DIPLACUS GRANDIFLORUS, PHILADELPHUS LEWISII, CHEILANTHES SILIQUOSA, ERIOGONUM UMBELLATUM.

General: 10,000+ PLANTS SEEN IN 1985 BETWEEN THIS SITE AND EO #S 17 & 20. NEED BETTER MAP DETAIL; UNSURE IF PHACELIA STEBBINSII IS CONTINUOUS THROUGHOUT THIS CANYON. NEEDS FIELDWORK.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	20	Map Index:	13108	EO Index:	13717	Element Last Seen:	1985-08-02
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1985-08-02	Record Last Updated:	2008-12-19
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Tunnel Hill (3812086)						
County Summary:	Placer						
Lat/Long:	38.97999 / -120.65708			Accuracy:	specific area		
UTM:	Zone-10 N4317167 E702946			Elevation (ft):	2500		
PLSS:	T13N, R12E, Sec. 17, NE (M)			Acres:	14.0		
Location:	SOUTH SIDE OF GORGE OF LONG CANYON, APPROXIMATELY 2.0 MILES UPSTREAM FROM JUNCTION WITH RUBICON RIVER.						
Detailed Location:	IN 1985, JOKERST MENTIONS THAT "PHACELIA STEBBINSII IS COMMON ON NEARLY ALL BEDROCK OUTCROPS, ALL SUITABLE HABITAT WAS NOT SEARCHED & ALL OCCURRENCES WERE NOT MAPPED."						
Ecological:	IN CANYON LIVE OAK FOREST. PLANTS FOUND IN SCREE TALUS, AND SOIL ACCUMULATIONS ASSOCIATED WITH BEDROCK OUTCROPS. ASSOCIATED WITH DIPLACUS GRANDIFLORUS, PHILADELPHUS LEWISII, CHEILANTHES SILIQUOSA, ERIOGONUM UMBELLATUM.						
General:	10,000+ PLANTS SEEN IN 1985 BETWEEN THIS SITE AND EO #S 17 & 19. NEED BETTER MAP DETAIL; UNSURE IF PHACELIA STEBBINSII IS CONTINUOUS THROUGHOUT THIS CANYON. NEEDS FIELDWORK.						
Owner/Manager:	PVT						
Occurrence No.	21	Map Index:	13021	EO Index:	4867	Element Last Seen:	1985-06-25
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:	1985-06-25	Record Last Updated:	2008-12-19
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				
Quad Summary:	Tunnel Hill (3812086)						
County Summary:	El Dorado						
Lat/Long:	38.96191 / -120.68653			Accuracy:	80 meters		
UTM:	Zone-10 N4315095 E700446			Elevation (ft):	2000		
PLSS:	T13N, R12E, Sec. 19, SW (M)			Acres:	0.0		
Location:	BELOW WATERFALL IN INNER GORGE OF PILOT CREEK, 0.85 MILE DOWNSTREAM FROM JUNCTION WITH RUBICON RIVER.						
Detailed Location:	PLANTS MOSTLY EAST OF CREEK ON BEDROCK BELOW LARGE FALLS.						
Ecological:	ON MOSS-COVERED METAMORPHIC BEDROCK OUTCROPS AND ASSOCIATED SCREE AND TALUS. IN RIPARIAN WOODLAND; SURROUNDING VEGETATION IS CANYON LIVE OAK FOREST. ASSOCIATES INCLUDE SEDUM SPATHULIFOLIUM, HEUCHERA MICRANTHA, GALIUM APARINE, ETC.						
General:	10,000+ PLANTS SEEN IN 1985 BETWEEN THIS SITE AND EO #22.						
Owner/Manager:	PVT						



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Occurrence No.	22	Map Index:	13023	EO Index:	4866	Element Last Seen:	1985-06-25
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1985-06-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-12-19	

Quad Summary: Tunnel Hill (3812086)

County Summary: El Dorado

Lat/Long:	38.94949 / -120.68642	Accuracy:	specific area
UTM:	Zone-10 N4313717 E700490	Elevation (ft):	2450
PLSS:	T13N, R12E, Sec. 30, NW (M)	Acres:	16.0

Location: INNER GORGE OF PILOT CREEK, APPROX 1.5 MILES SOUTH OF JUNCTION WITH RUBICON RIVER.

Detailed Location: PLANTS MOSTLY EAST OF CREEK. MAPPED BY CNDDDB AS 2 POLYGONS; N POLYGON IS IN LARGE BEDROCK IN EXPANSE; S POLY IS OPPOSITE FALLS NORTH OF AND ADJACENT TO JUNCTION WITH SIDE CREEK.

Ecological: ON MOSS-COVERED METAMORPHIC BEDROCK OUTCROPS AND ASSOCIATED SCREE AND TALUS. IN RIPARIAN WOODLAND; SURROUNDING VEGETATION IS CANYON LIVE OAK FOREST. ASSOCIATES INCLUDE SEDUM SPATHULIFOLIUM, HEUCHERA MICRANTHA, GALIUM APARINE, ETC.

General: 10,000+ PLANTS SEEN IN 1985 BETWEEN THIS SITE AND EO #21. INCLUDES FORMER EO #23.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	24	Map Index:	13714	EO Index:	13716	Element Last Seen:	1983-07-20
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1983-07-20	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-02-17	

Quad Summary: Loon Lake (3812083), Wentworth Springs (3912013)

County Summary: El Dorado

Lat/Long:	38.99742 / -120.33822	Accuracy:	specific area
UTM:	Zone-10 N4319861 E730514	Elevation (ft):	6600
PLSS:	T13N, R15E, Sec. 06, S (M)	Acres:	41.6

Location: WENTWORTH PEAK, 0.12-0.4 MILE NORTH OF FRANCIS LAKE.

Detailed Location: WENTWORTH PEAK ON NW & SW FACES OF PEAK, GROWS UP TO 50 FEET FROM THE RIDGETOP. ALSO FOUND ON LAVA BASALT FLOW KNOB DIRECTLY NORTH OF FRANCIS LAKE. THIS IS FS POPULATION #03-7.

Ecological: GROWS IN ROCKY OUTCROPPINGS ON THE SW SIDE OF JUNIPER TREES IN AVAILABLE DUFF. ASSOCIATES INCLUDE JUNIPERS, JEFFREY PINE, GREENLEAF AND PINEMAT MANZANITA, INCENSE CEDAR, STREPTANTHUS, PENSTEMON, STONECROP, CALOCHORTUS LEICHTLINII, ETC.

General: FLOURISHING POPULATION OF >1,000 PLANTS SEEN IN 1983. A 1977 STEBBINS COLLECTION FROM "SOUTH RIDGE OF WENTWORTH MOUNTAIN, WEST OF LOON LAKE", WITH GIVEN ELEVATION OF 6700 FT, IS ALSO ATTRIBUTED TO THIS OCCURRENCE.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	25	Map Index: 13493	EO Index: 13711	Element Last Seen:	2017-07-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-07-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-19

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.85721 / -120.45227	Accuracy:	specific area
UTM:	Zone-10 N4304016 E721071	Elevation (ft):	4600
PLSS:	T12N, R14E, Sec. 30 (M)	Acres:	73.0

Location: SILVER CREEK AT JUNCTION RESERVOIR, ON SLOPES ABOVE RESERVOIR BETWEEN JUNCTION DAM AND UNION VALLEY RESERVOIR DAM.

Detailed Location: MAPPED BY CNDDDB AS 12 POLYGONS BASED PRIMARILY ON USFS FIELD SURVEYS AND DIGITAL DATA, ACROSS SECTION 30 AND PORTIONS OF ADJACENT SECTIONS. INCLUDES FORMER OCCURRENCE #S 26 & 39.

Ecological: ON STEEP, ROCKY, SOUTH FACING SLOPE. ASSOCIATED WITH CHEILANTHES GRACILLIMA, PELLAEA BRIDGESII, ARCTOSTAPHYLOS MEWUKKA, A. VISCIDA, A. PATULA, DUDLEYA CYMOSA, ERIOGONUM UMBELLATUM, QUERCUS CHRYSOLEPIS, Q. KELLOGGII, ETC.

General: TYPE LOCALITY. POPULATION #S FOR PORTIONS OF SITE: ~150 PLANTS SEEN IN 1979, OVER 2000 IN 1983, 1500 IN 1989, 100 IN 2002, 750 IN 2003, SEEN IN 2004, 500+ IN 2015, 1600+ PLANTS IN 2016. SEEN AT ONE SITE BUT NOT RELOCATED AT OTHERS IN 2017.

Owner/Manager: USFS-ELDORADO NF, PVT

Occurrence No.	34	Map Index: 13100	EO Index: 13324	Element Last Seen:	1982-06-08
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1982-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-12-15

Quad Summary: Tunnel Hill (3812086)

County Summary: Placer

Lat/Long:	38.99893 / -120.66016	Accuracy:	80 meters
UTM:	Zone-10 N4319262 E702625	Elevation (ft):	4080
PLSS:	T13N, R12E, Sec. 08, NE (M)	Acres:	0.0

Location: SOUTH OF POWERLINE ACCESS ROAD, 0.9 ROAD MILE NE OF JUNCTION WITH USFS ROAD 14N25, RALSTON RIDGE.

Detailed Location: 2 ACRE AREA WITHIN 20 ACRE LAVA CAP. THIS IS USFS POPULATION #03-5. NW1/4 OF NE1/4 SEC 8.

Ecological: PLANTS FOUND GROWING OUT OF ROCK TALUS, VERY LITTLE SOIL. S SLOPE, ROCK RUBBLE AREA WITHIN LAVA CAP. GRASSY, OPEN AREA. IN ASSOCIATION WITH FESTUCA MEGALURA, CEANOTHUS CUNEATUS, QUERCUS KELLOGGII, Q. CHRYSOLEPIS.

General: MORE THAN 100 PLANTS SEEN IN 1982.

Owner/Manager: PVT



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Occurrence No.	36	Map Index:	30104	EO Index:	21997	Element Last Seen:	1991-06-12
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1991-06-12	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1994-09-06	

Quad Summary: Robbs Peak (3812084)

County Summary: El Dorado

Lat/Long:	38.99013 / -120.38250	Accuracy:	specific area
UTM:	Zone-10 N4318941 E726702	Elevation (ft):	5600
PLSS:	T13N, R14E, Sec. 11, W (M)	Acres:	30.5

Location: EAST OF WENTWORTH SPRINGS ROAD., JUST NORTH OF GERLE CREEK DISPERSED CAMPING AREA.

Detailed Location: THIS IS A ROCK OUTCROP JUST N OF THE GERLE CREEK DISPERSED CAMPING AREA. PARKED NEAR THE GREEN GATE; WALK N UP ONTO THE ROCKS; PHACELIA IS FOUND IN THE DUFF UNDER THE JUNIPERS. APPEARS TO GROW ALL THE WAY UP THE HILL.

Ecological: ROCK OUTCROP WITH P. JEFFREYI, JUNIPERUS OCCIDENTALIS, Q. VACCINIFOLIA, ARCTO. PATULA, CEANOTHUS FRESNENSIS, ERIOGONUM PRATTENIANUM, PHLOX DIFFUSA, ERIOPHYLLUM, PENSTEMON NEWBERRYI, CALOCHORTUS, PHACELIA QUICKII. 5400-5920 FT ELEVATION.

General: AT LEAST 1500 PLANTS IN 1991.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	37	Map Index:	30103	EO Index:	22201	Element Last Seen:	1991-07-25
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1991-07-25	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		1994-09-06	

Quad Summary: Robbs Peak (3812084)

County Summary: Placer

Lat/Long:	38.97596 / -120.48471	Accuracy:	specific area
UTM:	Zone-10 N4317118 E717891	Elevation (ft):	4800
PLSS:	T13N, R13E, Sec. 14, SE (M)	Acres:	9.3

Location: APPROXIMATELY 1 MILE NORTH OF ELLICOTT BRIDGE, 0.9-1.15 MILES WEST OF RUBICON RIVER.

Detailed Location: PLANTS ARE IN BARE AREAS AT END OF FS ROAD 13N39B, OFF OF FS ROAD 14N11 (HALE FIRE ROAD).

Ecological: SW-FACING ROCK OUTCROPS WITH PHACELIA SP., NAVARRETIA SP., MANZANITA, QUERCUS LOBATA, KELLOGIA GALOIDES.

General: 150 PLANTS IN 1991.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	38	Map Index: 30129	EO Index: 4868	Element Last Seen:	1991-07-12
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1991-07-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-12-19
Quad Summary:	Devil Peak (3812085)				
County Summary:	Placer				
Lat/Long:	38.93301 / -120.55407		Accuracy:	specific area	
UTM:	Zone-10 N4312187 E712010		Elevation (ft):	4450	
PLSS:	T13N, R13E, Sec. 32, W (M)		Acres:	3.0	
Location:	0.1 MILE NORTH OF BELIX TRAIL, 1 AIR MILE EAST OF PIGEON ROOST MINE.				
Detailed Location:	GEORGETOWN R.S. TO ELEVEN PINES RD; CROSS RUBICON RIVER TO PIGEON ROOST RD (13N42). GO TO INTERSECTION W/ "E, B, AND D ROADS." TAKE "E" ROAD FOR 1/8 MI AND HEAD NORTH (UPHILL) TO DRY MEADOW. PLANTS ON TOP EDGE.				
Ecological:	PLANTS UNDER AND AROUND LIPS OF LARGE ROCK AT EDGE OF DRY MEADOW WITH MONARDELLA, DUDLEYA, ARCTOSTAPHYLOS, AND GRASSES. SURROUNDING COMMUNITY PONDEROSA PINE / DOUGLAS-FIR.				
General:	300 PLANTS IN 1991.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	40	Map Index: 30107	EO Index: 17853	Element Last Seen:	1993-05-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1993-05-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-09-06
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.84529 / -120.43897		Accuracy:	specific area	
UTM:	Zone-10 N4302725 E722261		Elevation (ft):	4680	
PLSS:	T12N, R14E, Sec. 32, NW (M)		Acres:	5.2	
Location:	0.5 MILE SE OF POTTS CABIN, SOUTH FORK SILVER CREEK.				
Detailed Location:	TAKE ICE HOUSE RD NORTH TO PEAVINE RIDGE; THEN DRIVE WEST TO BRYANT SPRINGS RD; TURN N AND DRIVE TO MICH-CAL MAIN LINE RD 12N17Y. TURN RIGHT ON RD 12N36, AND PROCEED S ABOVE SILVER CRK; GO ABOUT 1 MI; PARK AT LANDING.				
Ecological:	DARK METAMORPHIC ROCKY OUTCROP WITH ERODING TALUS. WITH APOCYNUM ADROSAEMAFOLIUM, PELLAEA BRIDGESII, MADIA MINIMA, CHLOROGALUM POMERIDIANUM, LUZULA COMOSA, COLLINSIA, COLLOMIA HETEROPHYLLA.				
General:	1000'S OF PLANTS IN 1993. SITE WAS BURNED IN 1992.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	41	Map Index: 30106	EO Index: 22239	Element Last Seen:	2016-06-15
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-06-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-19
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.85282 / -120.44487		Accuracy:	specific area	
UTM:	Zone-10 N4303547 E721727		Elevation (ft):	4550	
PLSS:	T12N, R14E, Sec. 30, SE (M)		Acres:	25.0	
Location:	NORTH AND EAST OF POTTS CABIN, SOUTH FORK SILVER CREEK.				
Detailed Location:	NORTH AND EAST SIDES OF CREEK. MAPPED BY CNDDDB AS 2 POLYGONS IN THE SE 1/4 OF SECTION 30 & THE SW 1/4 OF SECTION 29 ACCORDING TO 1993 BARRON MAPS & 2017 USFS DIGITAL DATA. THIS IS FS OCCURRENCE #03-24.				
Ecological:	BEDROCK OUTCROPS AND ROCKY TALUS WITH STREPTANTHUS TORTUOSUS, COLLOMIA HETEROPHYLLA, CHLOROGALUM POMERIDIANUM, VULPIA, ERIOPHYLLUM LANATUM, ERIOGONUM NUDUM, ALLIUM OBTUSUM. THE RARE VIOLA TOMENTOSA IS FOUND NEARBY.				
General:	AT LEAST 5000 PLANTS IN 1993 IN SEVERAL SUBPOPULATIONS. AREA WAS BURNED IN 1992. UNKNOWN NUMBER OF PLANTS SEEN IN 2008. WEST POLYGON: THOUSANDS OF PLANTS ESTIMATED IN 2014 & 2016; 40 PLANTS COUNTED RIGHT AT ROADSIDE IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	44	Map Index: 30102	EO Index: 19851	Element Last Seen:	1991-06-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1991-06-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-09-06
Quad Summary:	Loon Lake (3812083)				
County Summary:	El Dorado				
Lat/Long:	38.99856 / -120.35054		Accuracy:	specific area	
UTM:	Zone-10 N4319956 E729443		Elevation (ft):	6760	
PLSS:	T13N, R14E, Sec. 01, SE (M)		Acres:	12.2	
Location:	WEST OF LOON LAKE, 0.5 AIR MILE NW OF FRANCIS LAKE.				
Detailed Location:	NORTH ON ICE HOUSE RD OFF OF HWY 50; DRIVE TO LOON LAKE. PARK NEAR DAM AND WALK THE TRAIL TO LAKE FRANCIS. FROM THIS LAKE, THE PLANTS ARE ABOUT 1/2 AIR MI NW OF THE LAKE. BEST ACCESS IS UP RIDGE FROM LAKE FRANCIS, THEN W TO TOP OF RED MTN.				
Ecological:	METAMORPHIC ROCK OUTCROP WITH Q. VACCINIFOLIA, PRUNUS EMARGINATA, ARCTOSTAPHYLOS NEVADENSIS, CEANOTHUS FRESNOENSIS, SALIX SCOULERI, & APOCYNUM ANDROSMAEFOLIUM. PHACELIAS ARE FOUND DOWN FROM THE TOP ON THE WEST SIDE OF THE MOUNTAIN.				
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 1991. THIS IS FS POPULATION #03-22.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	52	Map Index: 63814	EO Index: 63909	Element Last Seen:	2003-06-12
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2003-06-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-02-17
Quad Summary:	Loon Lake (3812083)				
County Summary:	El Dorado				
Lat/Long:	38.98950 / -120.33606		Accuracy:	1/10 mile	
UTM:	Zone-10 N4318988 E730726		Elevation (ft):	6470	
PLSS:	T13N, R15E, Sec. 07, NE (M)		Acres:	0.0	
Location:	ABOUT 0.25 MILE SOUTHEAST OF FRANCIS LAKE, WEST OF LOON LAKE.				
Detailed Location:	BASED ON 2003 COLLECTION FROM "LOON LAKE, CA. 400 M WEST OF DAM ON ROCKY BASIN CREEK ARM, 6470 FEET" WITH LAT-LONG: 38.99006N, -120.33509W (NO DATUM INDICATED). MAPPED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 7.				
Ecological:	IN ROCKY CREVICES, SCREE, OR TALUS IN OPEN QUERCUS VACCINIFOLIA SCRUB, SYMPATRIC WITH PHACELIA MARCENSIS.				
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 2003.				
Owner/Manager:	UNKNOWN				
Occurrence No.	53	Map Index: 73138	EO Index: 74069	Element Last Seen:	2014-06-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-09-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-07
Quad Summary:	Robbs Peak (3812084)				
County Summary:	Placer				
Lat/Long:	38.96631 / -120.47215		Accuracy:	specific area	
UTM:	Zone-10 N4316077 E719010		Elevation (ft):	3800	
PLSS:	T13N, R13E, Sec. 24, NW (M)		Acres:	5.0	
Location:	ALONG HUNTERS TRAIL, NW SIDE OF RUBICON RIVER, ~0.25 MI SW OF CONFLUENCE OF RUBICON RIVER & THE S FORK RUBICON RIVER.				
Detailed Location:	MAPPED BY CNDDDB AS 2 POLYGONS IN THE NW 1/4 OF SECTION 24 & THE SW 1/4 OF SECTION 13 ACCORDING TO A 2008 WALKER MAP AND ELDORADO NF DIGITAL DATA.				
Ecological:	GROWING IN SOIL POCKETS IN SHELVES OF METAMORPHIC BEDROCK ON S-FACING SLOPE. MIXED CONIFER/MONTANE HARDWOODS WITH CHAPARRAL. QUERCUS CHRYSOLEPIS, ARCTOSTAPHYLOS VISCIDA, KECKIELLA LEMMONII, TOXICODENDRON DIVERSILOBUM, LUPINUS BICOLOR, ETC.				
General:	<50 PLANTS SEEN IN 2008. 300 PLANTS SEEN IN 2012. 1155 PLANTS IN 2014. BURNED IN 2014 KING FIRE. NONE FOUND DURING LATE-SEASON SITE VISIT IN 2015.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	54	Map Index:	73139	EO Index:	74070	Element Last Seen:	2015-06-22
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2015-06-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-09-07	

Quad Summary: Devil Peak (3812085)

County Summary: El Dorado

Lat/Long:	38.90835 / -120.55543	Accuracy:	specific area
UTM:	Zone-10 N4309448 E711966	Elevation (ft):	4440
PLSS:	T12N, R13E, Sec. 7, NE (M)	Acres:	4.0

Location: OFF OF FS ROAD 12N51A, APPROXIMATELY 0.5 AIR MILE WEST OF LEONARDI SPRING.

Detailed Location: MAPPED BY CNDDDB IN THE NE 1/4 OF THE NE 1/4 OF SECTION 7, BASED ON 2012 DIGITAL DATA AND TWO SETS OF COORDINATES PROVIDED BY LO. USFS OCCURRENCE #03-23.

Ecological: IN SCREE AND THIN SOIL ACCUMULATIONS WITH THICK OAK DUFF LAYER ON FLAT VOLCANIC BEDROCK BENCHES & CREVICES; IN OPENINGS IN QUERCUS CHRYSOLEPIS WOODLAND WITH MOSSES, FESTUCA MYUROS, ARCTOSTAPHYLOS MEWUKKA SSP. MEWUKKA, LEWISIA SERRATA, ETC.

General: APPROXIMATELY 150 PLANTS SEEN IN 1992. 350 PLANTS SEEN IN 2012; POTENTIAL (BUT DANGEROUSLY STEEP) HABITAT DOWNSLOPE OF OCCURRENCE WAS NOT SURVEYED. 19 PLANTS IN 2015.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	55	Map Index:	73140	EO Index:	74071	Element Last Seen:	1985-08-02
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		1985-08-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-12-19	

Quad Summary: Devil Peak (3812085), Tunnel Hill (3812086)

County Summary: Placer

Lat/Long:	38.97823 / -120.62139	Accuracy:	specific area
UTM:	Zone-10 N4317052 E706043	Elevation (ft):	2800
PLSS:	T13N, R12E, Sec. 15, N (M)	Acres:	6.0

Location: ALONG LONG CANYON, ABOUT 1.25-1.5 MI W OF THE JUNCTION OF LONG CANYON & WALLACE CANYON, S OF LYNCHBURG HILL.

Detailed Location: MAPPED BY CNDDDB AS 2 POLYS IN THE N 1/2 OF SEC 15 ACC TO A 1985 JOKERST MAP. JOKERST MENTIONS THAT "PHACELIA STEBBINSII IS COMMON ON NEARLY ALL BEDROCK OUTCROPS, ALL SUITABLE HABITAT WAS NOT SEARCHED & ALL OCCURRENCES WERE NOT MAPPED."

Ecological: SCATTERED ON NEARLY ALL BEDROCK OUTCROPS IN THE CANYON WITH HABITATS RANGING FROM PROTECTED TO OPEN AND ARID. OPEN SLOPES FOREST DOMINATED BY QUERCUS CHRYSOLEPIS WITH SOME PSEUDOTSUGA, PINUS PONDEROSA, ACER MACROPHYLLUM, Q. KELLOGGII, ETC.

General: 10,000+ PLANTS SEEN IN 1985 THROUGHOUT LONG CANYON. NEED BETTER MAP DETAIL; UNSURE IF PHACELIA STEBBINSII IS CONTINUOUS THROUGHOUT THIS CANYON. NEEDS FIELDWORK.

Owner/Manager: USFS-ELDORADO NF?



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Occurrence No.	58	Map Index:	95242	EO Index:	96378	Element Last Seen:	2009-05-15
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2009-05-15	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-02-20	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado, Placer						
Lat/Long:	38.96008 / -120.48435	Accuracy:	specific area				
UTM:	Zone-10 N4315356 E717971	Elevation (ft):	3360				
PLSS:	T13N, R13E, Sec. 23, SE (M)	Acres:	1.0				
Location:	APPROXIMATELY 0.1 MILE DOWNSTREAM FROM ELLICOTT BRIDGE, ALONG THE TRAIL ON THE NORTH SIDE OF RUBICON RIVER.						
Detailed Location:	MAPPED ACCORDING TO COORDINATES PROVIDED BY CRISP, IN THE NW 1/4 OF THE SE 1/4 OF SECTION 23.						
Ecological:	MIXED HARDWOOD CONIFER FOREST/RIPARIAN, GRANITE BEDROCK WITH OPENINGS OF SAND AND GRAVEL SUBSTRATE. ASSOCIATED WITH PSEUDOTSUGA MENZIESII, RIBES SP, ALNUS SP, ARTEMISIA DOUGLASIANA, BROMUS TECTORUM, AND VULPIA MYUROS.						
General:	4 PLANTS OBSERVED IN 2009; 3 PLANTS ARE LOCATED WITHIN A SANDY OUTCROP AND ONE PLANT IS LOCATED NEAR A SMALL TRIBUTARY TO THE RUBICON RIVER.						
Owner/Manager:	UNKNOWN						
Occurrence No.	75	Map Index:	B0536	EO Index:	112397	Element Last Seen:	2013-05-17
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2013-05-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-09-04	
Quad Summary:	Pollock Pines (3812075)						
County Summary:	El Dorado						
Lat/Long:	38.7953 / -120.5925	Accuracy:	80 meters				
UTM:	Zone-10 N4296814 E709083	Elevation (ft):	2980				
PLSS:	T11N, R12E, Sec. 13, SW (M)	Acres:	5.0				
Location:	EAST END OF POHO RIDGE, 0.4 AIR MILE NNW OF MOUTH OF SILVER CREEK, 2 MILES NORTH OF POLLOCK PINES.						
Detailed Location:	MAPPED IN THE SE 1/4 SW 1/4 SECTION 15 BASED ON ELDORADO NF DIGITAL DATA.						
Ecological:	VERY STEEP ROCKY OUTCROP, 75 FEET FROM USE TRAIL.						
General:	30 PLANTS OBSERVED IN 2013. ELDORADO NF POPULATION #51-01.						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	76	Map Index: B0541	EO Index: 112405	Element Last Seen:	2015-06-18
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-06-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-10

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.80289 / -120.60181	Accuracy:	specific area
UTM:	Zone-10 N4297636 E708252	Elevation (ft):	3200
PLSS:	T11N, R12E, Sec. 14, NE (M)	Acres:	3.0

Location: POHO RIDGE; 1.1 AIR MI NE OF EL DORADO POWERHOUSE ABOVE SOUTH FORK AMERICAN RIVER, 1 AIR MI NW OF SILVER CREEK MOUTH.

Detailed Location: MAPPED IN THE SE 1/4 NE 1/4 SECTION 14 BASED ON ELDORADO NF DIGITAL DATA.

Ecological: ROCK OUTCROPS. POPULATION EXTENDS BELOW ROAD.

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2015. ELDORADO NF POPULATION #51-02.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	77	Map Index: B0545	EO Index: 112410	Element Last Seen:	2016-06-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-04

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.83406 / -120.51954	Accuracy:	specific area
UTM:	Zone-10 N4301286 E715303	Elevation (ft):	4500
PLSS:	T11N, R13E, Sec. 3, NW (M)	Acres:	7.0

Location: ABOUT 0.2-0.4 AIR MILE NW OF JAY BIRD SPRING WITHIN SMUD TRANSMISSION CORRIDOR.

Detailed Location: MAPPED AS 2 POLYGONS BY CNDDDB NEAR THE COMMON CORNER OF SECTIONS 3, 4, 33 & 34 BASED ON ELDORADO NF DIGITAL DATA.

Ecological: MIXED CONIFER AND HARDWOOD FOREST, STEEP SLOPES IN LAVA CAP HABITAT WITHIN TRANSMISSION CORRIDOR ROW. ASSOCIATES INCLUDE THE RARE CALOCHORTUS CLAVATUS AVIUS, STREPTANTHUS LONGISILIQUEUS, AND CHLOROGALUM GRANDIFLORUM.

General: 2275 PLANTS OBSERVED IN 2016. ID NEEDS VERIFICATION; P. PURPUSII HAS BEEN MISIDENTIFIED AS P. STEBBINSII IN THIS VICINITY.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	78	Map Index: B0548	EO Index: 112412	Element Last Seen:	2016-06-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-10

Quad Summary: Pollock Pines (3812075)
County Summary: El Dorado

Lat/Long:	38.83318 / -120.50748	Accuracy:	specific area
UTM:	Zone-10 N4301216 E716352	Elevation (ft):	4700
PLSS:	T11N, R13E, Sec. 3, NE (M)	Acres:	1.0

Location: ABOUT 0.4 AIR MILE ENE OF JAY BIRD SPRING WITHIN SMUD TRANSMISSION CORRIDOR.
Detailed Location: MAPPED BY CNDDDB IN THE NW 1/4 NE 1/4 SECTION 3 BASED ON ELDORADO NF DIGITAL DATA.
Ecological:
General: 50 PLANTS OBSERVED IN 2016. ID NEEDS VERIFICATION; P. PURPUSII HAS BEEN MISIDENTIFIED AS P. STEBBINSII IN THIS VICINITY.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	79	Map Index: B0550	EO Index: 112414	Element Last Seen:	2015-07-01
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-07-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-04

Quad Summary: Pollock Pines (3812075)
County Summary: El Dorado

Lat/Long:	38.87207 / -120.5447	Accuracy:	80 meters
UTM:	Zone-10 N4305445 E713005	Elevation (ft):	4475
PLSS:	T12N, R13E, Sec. 20, W (M)	Acres:	5.0

Location: JUST ABOVE ONION CREEK, 1.2 AIR MILES SE OF SUMMIT OF LOOKOUT MOUNTAIN.
Detailed Location: MAPPED BY CNDDDB NEAR THE CENTER OF SECTION 20 BASED ON 2015 TIESEN COORDINATES.
Ecological: OPEN, ROCKY, VERY STEEP SLOPE ABOVE CREEK. SITE BURNED IN 2014 KING FIRE, KILLING MOST OF THE TREES.
General: 25+ PLANTS OBSERVED IN 2015. TOTAL NUMBER OF PLANTS IS A LOW CONSERVATIVE ESTIMATE, POSSIBLY MANY MORE.
Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	80	Map Index: B0551	EO Index: 112415	Element Last Seen:	2016-08-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-08-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-10

Quad Summary: Loon Lake (3812083)
County Summary: El Dorado

Lat/Long:	38.98788 / -120.37253	Accuracy:	specific area
UTM:	Zone-10 N4318716 E727572	Elevation (ft):	5515
PLSS:	T13N, R14E, Sec. 11, E (M)	Acres:	4.0

Location: BELOW FRANCIS COW CAMP, ALONG ROAD 1.3 AIR MILES SE OF JACOBSEN MEADOW.
Detailed Location: MAPPED IN THE EAST HALF OF SECTION 11 BASED ON ELDORADO NF DIGITAL DATA.
Ecological: DECOMPOSED GRANITE CLEARING ON KNOLL, WEST SIDE OF ROAD. ASSOCIATES INCLUDE QUERCUS VACCINIIFOLIA, CALOEDRUS DECURRENS, PINUS PONDEROSA, AND UNKNOWN PHACELIA SP.
General: 7 SENESCENT PLANTS OBSERVED IN 2016. ID UNCERTAIN; NEEDS REVISIT WHEN FLOWERING FOR POSITIVE IDENTIFICATION.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	81	Map Index: B0552	EO Index: 112416	Element Last Seen:	2016-06-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-11
Quad Summary:	Devil Peak (3812085)				
County Summary:	Placer				
Lat/Long:	38.94201 / -120.53285		Accuracy:	specific area	
UTM:	Zone-10 N4313236 E713823		Elevation (ft):	4700	
PLSS:	T13N, R13E, Sec. 28, SW (M)		Acres:	6.0	
Location:	ALONG 11 PINES RD (14N08) ABOVE THE RUBICON RIVER, 1.4 AIR MILES SE OF DEVIL PEAK.				
Detailed Location:	MAPPED AS 2 POLYGONS BY CNDDDB BASED ON DIGITAL DATA PROVIDED BY ELDORADO NF, IN THE SE 1/4 SW 1/4 SECTION 28.				
Ecological:	LAVA CAP HILLSIDE ALONG ROAD, WITHIN BURNED MIXED CONIFER/OAK WOODLAND. AREA BURNED IN 2014 KING FIRE. ASSOCIATES INCLUDE QUERCUS KELLOGGII, Q. WISLIZENI, CENTAUREA SOLSTITIALIS, BROMUS TECTORUM, AEGILOPS TRIUNCIALIS, ARCTOSTAPHYLOS, ETC.				
General:	210 PLANTS OBSERVED IN 2015. 1000 PLANTS OBSERVED IN SW POLYGON IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				

Occurrence No.	82	Map Index: B0553	EO Index: 112418	Element Last Seen:	2016-06-17
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-06-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-09-05
Quad Summary:	Devil Peak (3812085)				
County Summary:	El Dorado				
Lat/Long:	38.90895 / -120.62073		Accuracy:	specific area	
UTM:	Zone-10 N4309364 E706302		Elevation (ft):	4165	
PLSS:	T12N, R12E, Sec. 10, NE (M)		Acres:	1.0	
Location:	NEAR PILOT CREEK NORTH OF WENTWORTH SPRINGS RD, ABOUT 1.0 AIR MILE WNW OF STUMPY MEADOWS RESERVOIR DAM.				
Detailed Location:	MAPPED BY CNDDDB IN THE NW 1/4 NE 1/4 SECTION 10 BASED ON 2016 TIESAN COORDINATES.				
Ecological:	OPEN AREA WITHIN DENSE MIXED CONIFER FOREST.				
General:	115+ PLANTS OBSERVED IN 2016.				
Owner/Manager:	PVT-SIERRA PACIFIC				

Clarkia biloba ssp. brandegeae			Element Code: PDONA05053		
Brandegee's clarkia					
Listing Status:	Federal: None		CNDDB Element Ranks:	Global: G4G5T4	
	State: None			State: S4	
	Other: Rare Plant Rank - 4.2, BLM_S-Sensitive				
Habitat:	General: CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST.				
	Micro: OFTEN IN ROADCUTS. 75-915 M.				



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Occurrence No.	1	Map Index: 43396	EO Index: 43396	Element Last Seen:	2009-05-19
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2009-05-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-05-25
Quad Summary:	Garden Valley (3812077), Coloma (3812078)				
County Summary:	El Dorado				
Lat/Long:	38.78349 / -120.87686		Accuracy:	80 meters	
UTM:	Zone-10 N4294892 E684414		Elevation (ft):	1150	
PLSS:	T11N, R10E, Sec. 21, SW (M)		Acres:	0.0	
Location:	ABOUT 1 MILE SOUTH OF COLOMA ALONG WEST SIDE OF HIGHWAY 49.				
Detailed Location:	PLANTS ARE ON AN EAST-FACING CUT-BANK OF THE ROAD IN THE SW 1/4 OF THE SW 1/4 OF SECTION 21.				
Ecological:	GROWING ON E-FACING ROAD CUT UNDER GRAY PINE, CALIFORNIA BUCKEYE, YERBA SANTA, AND TOYON.				
General:	MORE THAN 1000 PLANTS OBSERVED IN 2009. 1947 COLLECTION BY LEWIS AND LEWIS FROM "1.7 MILES SOUTH OF COLOMA POST OFFICE" ALSO ATTRIBUTED HERE.				
Owner/Manager:	UNKNOWN				
Occurrence No.	47	Map Index: 65002	EO Index: 65081	Element Last Seen:	1943-06-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1943-06-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2006-07-05
Quad Summary:	Camino (3812066), Placerville (3812067)				
County Summary:	El Dorado				
Lat/Long:	38.73988 / -120.74857		Accuracy:	1/5 mile	
UTM:	Zone-10 N4290318 E695677		Elevation (ft):	2400	
PLSS:	T10N, R11E, Sec. 10, N (M)		Acres:	0.0	
Location:	WEST OF INSTITUTE OF FOREST GENETICS, 3 MILES EAST OF PLACERVILLE.				
Detailed Location:					
Ecological:	DRY, WOODED RAVINE ON HILLSIDE.				
General:	A 1943 ROBBINS COLLECTION IS THE ONLY SOURCE FOR THIS OCCURRENCE. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				
Occurrence No.	80	Map Index: 78899	EO Index: 79880	Element Last Seen:	2009-05-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2009-05-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2010-05-25
Quad Summary:	Fiddletown (3812057)				
County Summary:	El Dorado				
Lat/Long:	38.59961 / -120.79701		Accuracy:	nonspecific area	
UTM:	Zone-10 N4274648 E691841		Elevation (ft):	1700	
PLSS:	T09N, R11E, Sec. 29, SW (M)		Acres:	18.0	
Location:	SAND RIDGE ROAD, 3.3 MILES EAST OF THE COSUMNES RIVER AND CA-49.				
Detailed Location:	MAPPED BY CNDDB ALONG SAND RIDGE RD ~3.3 ROAD MILES EAST OF THE COSUMNES RIVER IN VICINITY OF THE GIVEN ELEVATION OF 521 M (1700 FT).				
Ecological:	OAK WOODLAND WITH MUCH MANZANITA.				
General:	OCCASIONAL ALONG THE ROADSIDE BANK IN 2009. ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2009 HELMKAMP & HELMKAMP COLLECTION.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	81	Map Index:	78900	EO Index:	79881	Element Last Seen:	2009-06-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2009-06-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-05-25	
Quad Summary:	Garden Valley (3812077)						
County Summary:	El Dorado						
Lat/Long:	38.75659 / -120.76633			Accuracy:	nonspecific area		
UTM:	Zone-10 N4292135 E694088			Elevation (ft):	2260		
PLSS:	T11N, R11E, Sec. 32, SE (M)			Acres:	18.0		
Location:	ALONG MOSQUITO ROAD, 2.8 MILES NORTH OF ITS JUNCTION WITH CA-50 IN PLACERVILLE.						
Detailed Location:	WIDESPREAD ON NORTH-FACING, OPEN SLOPES. MAPPED BY CNDDDB ALONG MOSQUITO ROAD ~2.8 MILES NORTH OF HIGHWAY 50 IN VICINITY OF GIVEN ELEVATION OF 691 M (2260 FT).						
Ecological:	MIXED FOREST WITH MUCH MANZANITA.						
General:	COMMON AND WIDESPREAD IN 2009. ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2009 HELMKAMP & HELMKAMP COLLECTION.						
Owner/Manager:	UNKNOWN						

<i>Lewisia serrata</i>	Element Code: PDPOR040E0						
saw-toothed lewisia							
Listing Status:	Federal:	None		CNDDDB Element Ranks:	Global:	G2	
	State:	None			State:	S2	
	Other:	Rare Plant Rank - 1B.1, USFS_S-Sensitive					
Habitat:	General:	BROADLEAFED UPLAND FOREST, LOWER MONTANE CONIFEROUS FOREST, RIPARIAN FOREST.					
	Micro:	SHADED, NORTH-FACING MOSS-COVERED, METAMORPHIC ROCK CLIFFS. 800-1435 M.					

*** SENSITIVE ***

Occurrence No.	1	Map Index:	13464	EO Index:	24339	Element Last Seen:	1987-05-01
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		1987-05-01	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-07-30	
Quad Summary:	Riverton (3812074)						
County Summary:	El Dorado						
Lat/Long:				Accuracy:	specific area		
UTM:				Elevation (ft):	4700		
PLSS:				Acres:	5.8		
Location:	*SENSITIVE* LOCATION INFORMATION SUPPRESSED.						
Detailed Location:	PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493						
Ecological:	FOUND IN MIXED CONIFER FOREST ON MOIST SEEP ABOVE CREEK. ASSOCIATED WITH SALIX SCOULERIANA, BOYKINIA MAJOR, ALNUS TENUIFOLIA, RIBES NEVADENSE, ATHYRIUM FILIX-FEMINA, MIMULUS BICOLOR, CORNUS STOLONIFERA, PSEUDOTSUGA MENZIESII, ACER, ETC.						
General:							
Owner/Manager:							



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*** SENSITIVE ***

Occurrence No.	2	Map Index:	13302	EO Index:	24336	Element Last Seen:	2008-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2015-07-29
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long: **Accuracy:** specific area

UTM: **Elevation (ft):** 3300

PLSS: **Acres:** 7.5

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: FOUND ON NORTHWEST FACING LEDGES IN CANYON BELOW WATERFALL. ASSOCIATED WITH PHACELIA STEBBINSII, ATHYRIUM FILIX-FEMINA, CYSTOPTERIS FRAGILIS, POLYSTICHUM MUNITUM, ACER MACROPHYLLUM, BRODIAEA HYACINTHINA, RHUS DIVERSILOBA, ARALIA, ETC.

General:

Owner/Manager:

*** SENSITIVE ***

Occurrence No.	3	Map Index:	10630	EO Index:	5630	Element Last Seen:	2008-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2015-07-30
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Devil Peak (3812085)

County Summary: El Dorado

Lat/Long: **Accuracy:** specific area

UTM: **Elevation (ft):** 3720

PLSS: **Acres:** 4.5

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: IN CRACKS AND CREVICES FOUND ON METAMORPHIC ROCK WITH CANYON LIVE OAK, DOUGLAS-FIR, MOSSES, DENTARIA CALIFORNICA, SMILACINA RACEMOSA, SEDUM SPATHULIFOLIUM, HEUCHERA MICRANTHA, AND PHACELIA STEBBINSII (ALSO RARE).

General:

Owner/Manager:



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*** SENSITIVE ***

Occurrence No.	8	Map Index:	13217	EO Index:	14232	Element Last Seen:	2003-XX-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2003-XX-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-07-30	

Quad Summary: Devil Peak (3812085)

County Summary: Placer

Lat/Long: **Accuracy:** specific area

UTM: **Elevation (ft):** 3200

PLSS: **Acres:** 45.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: PLANTS ON MOSS-COVERED BEDROCK ASSOCIATED WITH ALNUS RHOMBIFOLIA, QUERCUS CHRYSOLEPIS, TOXICODENDRON, LONICERA, PHILADELPHUS LEWISII, SEDUM SPATHULIFOLIUM, LOMATIUM UTRICULATUM, CHEILANTHES GRACILLIMA, DUDLEYA CYMOSA, ETC.

General:

Owner/Manager:

*** SENSITIVE ***

Occurrence No.	9	Map Index:	97048	EO Index:	98283	Element Last Seen:	1984-06-22
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1984-06-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2015-07-31	

Quad Summary: Devil Peak (3812085)

County Summary: Placer

Lat/Long: **Accuracy:** 80 meters

UTM: **Elevation (ft):** 3000

PLSS: **Acres:** 0.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: NEAR VERTICAL EXPOSURE OF BEDROCK THAT IS MOSTLY MOSS-COVERED. CANYON ORIENTATION IS SUCH THAT AFTERNOON SUN IS FILTERED FOR ABOUT 1/2 OF THE PLANTS, THE REST ARE IN NEAR FULL SUN. ECOTONE BETWEEN RIPARIAN AND ADJACENT QUERCUS CHRYSOLEPIS.

General:

Owner/Manager:



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*** SENSITIVE ***

Occurrence No.	13	Map Index:	97051	EO Index:	98284	Element Last Seen:	2012-05-13
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2015-07-31
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Devil Peak (3812085)

County Summary: El Dorado

Lat/Long:		Accuracy:	specific area
UTM:		Elevation (ft):	4300
PLSS:		Acres:	4.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: GROWING ON MOSSY TO BARE VOLCANIC BEDROCK OUTCROPS, IN OPENINGS IN QUERCUS CHRYSOLEPIS WOODLAND. ASSOCIATED WITH SEDUM SPATHULIFOLIUM, MICRANTHES CALIFORNICA, HEUCHERA MICRANTHA, ASPIDOTIS DENSA, PENTAGRAMMA TRIANGULARIS, PHACELIA, ETC.

General:

Owner/Manager:

*** SENSITIVE ***

Occurrence No.	14	Map Index:	97052	EO Index:	98285	Element Last Seen:	1985-08-02
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2015-07-31
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Devil Peak (3812085)

County Summary: Placer

Lat/Long:		Accuracy:	specific area
UTM:		Elevation (ft):	2800
PLSS:		Acres:	10.0

Location: *SENSITIVE* LOCATION INFORMATION SUPPRESSED.

Detailed Location: PLEASE CONTACT THE CALIFORNIA NATURAL DIVERSITY DATABASE, CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE, FOR MORE INFORMATION: (916) 322-2493

Ecological: MOSS-COVERED BEDROCK. OPENING IN FOREST DOMINATED BY QUERCUS CHRYSOLEPIS WITH OCCASIONAL Q. KELLOGGII, PSEUDOTSUGA MENZIESII, AND PINUS PONDEROSA. OTHER ASSOCIATES IN LONG CANYON INCLUDE PHILADELPHUS LEWISII, DIPLACUS GRANDIFLORUS, ETC.

General:

Owner/Manager:

<i>Horkelia parryi</i>		Element Code: PDROS0W0C0
Parry's horkelia		
Listing Status:	Federal: None	CNDDB Element Ranks: Global: G2
	State: None	State: S2
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, USFS_S-Sensitive	
Habitat:	General: CHAPARRAL, CISMONTANE WOODLAND.	
	Micro: OPENINGS IN CHAPARRAL OR WOODLAND; ESPECIALLY KNOWN FROM THE IONE FORMATION IN AMADOR COUNTY. 85-1115 M.	



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Occurrence No.	11	Map Index: 13058	EO Index: 19430	Element Last Seen:	2015-04-10
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2015-04-10
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated:	2016-06-06
Quad Summary:	Camino (3812066)				
County Summary:	El Dorado				
Lat/Long:	38.69963 / -120.67027		Accuracy:	80 meters	
UTM:	Zone-10 N4286021 E702597		Elevation (ft):	2500	
PLSS:	T10N, R12E, Sec. 20, SE (M)		Acres:	0.0	
Location:	ALONG CAMINO-PLEASANT VALLEY ROAD [NEWTOWN ROAD], ABOUT 0.5 MILE NORTH OF PLEASANT VALLEY RD.				
Detailed Location:	FROM JUNCTION OF NEWTOWN ROAD AND STARKS GRADE GO NORTH 0.1 MILE TO 5302 NEWTOWN RD. OCCURRENCE IS ON WEST SIDE OF ROAD ON TOP OF BANK AND BANK SLOPE. MAPPED BY CNDDDB BASED ON 1994 FOSTER MAP IN THE SE 1/4 SE 1/4 SECTION 20.				
Ecological:	GRASSY SITES AT EDGE OF CHAPARRAL AND OAK WOODLAND. MAINLY ADENOSTOMA FASCICULATUM WITH SCATTERED PINUS SABINIANA. ASSOCIATES INCLUDE LOTUS, PLANTAGO LANCEOLATA, SALVIA SONOMENSIS, BROMUS TECTORUM, B. MOLLIS, AND TRIFOLIUM SPP.				
General:	IN 1994, 30 CLUMPS OF ABOUT 1-20 PLANTS EACH OBSERVED BY FOSTER. MOST PLANTS IN AREA THAT HAS NOT BEEN DISTURBED RECENTLY. 20-30 CLUMPS OF 1 OR MORE INDIVIDUALS OBSERVED IN 2004. 1 CLUMP REMAINED IN 2015.				
Owner/Manager:	PVT				
Occurrence No.	12	Map Index: 49957	EO Index: 50044	Element Last Seen:	1923-05-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1923-05-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-01-29
Quad Summary:	Placerville (3812067)				
County Summary:	El Dorado				
Lat/Long:	38.72955 / -120.79770		Accuracy:	1 mile	
UTM:	Zone-10 N4289067 E691435		Elevation (ft):	1860	
PLSS:	T10N, R11E, Sec. 07 (M)		Acres:	0.0	
Location:	PLACERVILLE.				
Detailed Location:	EXACT LOCATION UNKNOWN; MAPPED IN GENERAL VICINITY OF PLACERVILLE BY CNDDDB.				
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1923 COLLECTION BY KING. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	14	Map Index:	13261	EO Index:	19428	Element Last Seen:	1880-05-XX
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1880-05-XX	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-04-08	

Quad Summary: Omo Ranch (3812055)

County Summary: El Dorado

Lat/Long:	38.56906 / -120.56076	Accuracy:	1 mile
UTM:	Zone-10 N4271778 E712507	Elevation (ft):	3400
PLSS:	T08N, R13E, Sec. 05, SE (M)	Acres:	0.0

Location: BROWNSVILLE (SITE).
Detailed Location: NOT BROWNSVILLE OF BUTTE COUNTY.

Ecological:

General: THOUGH THIS PLANT IS IN FACT H. PARRYI, DAVID KECK BELIEVES THAT THE WRONG LABEL WAS ATTACHED TO THE SPECIMEN. RATTANS HAND-WRITTEN DETERMINATION ON THE LABEL IS H. TRIDENTATA. A BROWNSVILLE IN BUTTE CO. COULD HAVE CAUSED CONFUSION OF LOC.

Owner/Manager: PVT

Occurrence No.	21	Map Index:	50049	EO Index:	50049	Element Last Seen:	2012-10-31
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2012-10-31	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-06-10	

Quad Summary: Garden Valley (3812077)

County Summary: El Dorado

Lat/Long:	38.84148 / -120.75518	Accuracy:	specific area
UTM:	Zone-10 N4301580 E694826	Elevation (ft):	2675
PLSS:	T12N, R11E, Sec. 33, S (M)	Acres:	19.0

Location: UPPER HARRICKS RAVINE, DARLING RIDGE, ELDORADO NATIONAL FOREST.
Detailed Location: MAPPED BY CNDDDB AS 6 POLYGONS BASED ON DIGITAL DATA PROVIDED BY USFS, IN THE SOUTH 1/2 OF SECTION 33.

Ecological: GROWING IN AN ABANDONED ROAD WITHIN A PATCH OF ARCTOSTAPHYLOS VISCIDA. IT WAS ALSO GROWING WITH SALVIA SONOMENSIS. THE ARCTOSTAPHYLOS PATCH WAS SURROUNDED BY PINUS PONDEROSA FOREST.

General: 10 PLANTS SEEN IN 2002 BY WEISS. ABOUT 6293 PLANTS OBSERVED IN 2010, AND 3644 PLANTS OBSERVED IN 2012. ELDORADO NF POPULATION #1, 13, AND 14.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	34	Map Index:	72920	EO Index:	73800	Element Last Seen:	2015-10-21
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:			2015-10-21
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2016-06-10

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.84453 / -120.72515	Accuracy:	specific area
UTM:	Zone-10 N4301983 E697425	Elevation (ft):	2800
PLSS:	T12N, R11E, Sec. 35, W (M)	Acres:	27.0

Location: ALONG FS ROAD 12N83A BETWEEN SLATE MTN MINE AND ROCK CREEK, NORTH OF WHALER CREEK.

Detailed Location: MAPPED AS 12 POLYGONS BY CNDDDB ACROSS EAST 1/2 OF SECTION 34 AND WEST 1/2 OF SECTION 35. THREE NE POLYGONS BASED ON 2005 WALKER GPS COORDINATES AND REST OF SITE MAPPED BASED ON 2015 ELDORADO NF DIGITAL DATA. ELDORADO NF POP #6, 7, 8.

Ecological: WITHIN MIXED CONIFER-BLACK OAK FOREST. ASSOCIATES INCLUDE ARBUTUS MENZIESII, PSEUDOTSUGA MENZIESII, ARCTOSTAPHYLOS VISCIDA, CEANOTHUS TOMENTOSUS, BERBERIS AQUIFOLIUM, SALVIA SONOMENSIS, ERIOPHYLLUM LANATUM, ETC. MAYMEN-MARIPOSA SOILS.

General: <506 PLANTS OBSERVED IN ENTIRE SITE IN 2005. ABOUT 300 PLANTS SEEN IN NORTHERN 4 POLYS IN 2008 AND 47 IN 2010. AN ESTIMATED 2888-3138 INDIVIDUALS OBSERVED ACROSS MOST OF SITE IN 2014 AND 3215+ RAMETS IN 2015. INCLUDES FORMER OCCURRENCE #35.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	36	Map Index:	72922	EO Index:	73802	Element Last Seen:	2015-10-XX
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:			2015-10-XX
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2016-06-10

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.85743 / -120.71041	Accuracy:	specific area
UTM:	Zone-10 N4303446 E698668	Elevation (ft):	3000
PLSS:	T12N, R11E, Sec. 25, SW (M)	Acres:	4.0

Location: ALONG FS ROAD 11E31 JUST EAST OF BALLARAT CANYON.

Detailed Location: MAPPED BY CNDDDB AS 2 POLYGONS BASED ON 2015 ELDORADO NF DIGITAL DATA. MOST PLANTS ARE IN HEAVY SHADE OF MANZANITA. PLANTS FOUND IN A PLANTATION (ABOUT 20-30 YEARS OLD). FOUND IN NE 1/4 SE 1/4 SEC 26 AND NW 1/4 SW 1/4 SEC 25. USFS POP #9.

Ecological: PLANTATIONS OF PINES AND DOUGLAS-FIR WITH WHITELEAF MANZANITA. THERE ARE ALSO BLACK OAKS, CANYON OAKS, & OCCASIONAL TANOAK PRESENT. OTHER ASSOCIATES INCL BERBERIS AQUIFOLIUM DICTYOTA, CEANOTHUS TOMENTOSA, DENDROMECON RIGIDA, ETC.

General: UNKNOWN NUMBER OF PLANTS SEEN IN 2005. ABOUT 3000 PLANTS OBSERVED IN 2012. 159 CLUMPS OF ABOUT 6680 INDIVIDUALS OBSERVED IN 2015. THERE IS ADDITIONAL HABITAT IN THIS AREA THAT SHOULD BE SEARCHED.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	37	Map Index: 72923	EO Index: 73807	Element Last Seen:	2015-08-04
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-08-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-05-31
Quad Summary:	Slate Mtn. (3812076), Garden Valley (3812077), Tunnel Hill (3812086), Georgetown (3812087)				
County Summary:	El Dorado				
Lat/Long:	38.87401 / -120.75006		Accuracy:	specific area	
UTM:	Zone-10 N4305202 E695182		Elevation (ft):	2900	
PLSS:	T12N, R11E, Sec. 21, E (M)		Acres:	22.0	
Location:	ON FOREST SERVICE ROAD 12N89 AND 11E27 BETWEEN ROCK CREEK AND DUTCH CANYON, SW OF SUGARLOAF.				
Detailed Location:	PLANTS ARE GROWING ALONG THE EDGES OF THE MOTORCYCLE TRAIL. MAPPED BY CNDDDB AS 2 POLYGONS BASED ON 2015 ELDORADO NF DIGITAL DATA, IN THE EAST 1/2 OF SECTION 21. ELDORADO NF POPULATION #4.				
Ecological:	OPENINGS WITHIN MIXED CONIFER-BLACK OAK WOODLAND WITH SALVIA SONOMENSIS. SOILS ARE MARIPOSA VERY ROCKY SILT LOAM. 0-5% SLOPE, EAST ASPECT.				
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 2003 & 2004. NORTH POLYGON: ABOUT 200 CLUMPS OBSERVED IN 2014, 82 CLUMPS IN 2015. SOUTH POLYGON: ABOUT 99 CLUMPS OBSERVED IN 2014, 69 CLUMPS IN 2015. SURVEYORS ESTIMATED ~100 INDIVIDUAL PLANTS/CLUMP.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	38	Map Index: 72924	EO Index: 73809	Element Last Seen:	2015-04-30
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-04-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-08
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.89955 / -120.74367		Accuracy:	specific area	
UTM:	Zone-10 N4308050 E695666		Elevation (ft):	3000	
PLSS:	T12N, R11E, Sec. 10, SW (M)		Acres:	6.0	
Location:	ALONG FOREST SERVICE ROAD 12N31, NORTH OF THE CONFLUENCE OF LITTLE SILVER CREEK AND ROCK CREEK, WEST OF BALD MTN.				
Detailed Location:	MAPPED AS TWO POLYGONS ACCORDING TO A 2005 GUTHRIE MAP AND 2015 USFS DIGITAL DATA, IN SW1/4 SEC 10. THERE IS A LOT OF POTENTIAL HABITAT IN THIS AREA AND MORE PLANTS MAY BE FOUND NEARBY. ELDORADO NF POPULATION #5.				
Ecological:	CHAPARRAL OPENINGS IN THE PINE OAK WOODLAND. SE POLYGON IS ON THE SLOPES OF A DRY DRAINAGE WHICH FLOWS INTO ROCK CREEK; ASSOCIATED WITH SALVIA SONOMENSIS. NW POLYGON IS ON AN OLD ROAD AND EXTENDS DOWN INTO A SHALLOW DRAINAGE.				
General:	NW POLYGON: >100 PLANTS SEEN IN 2005. SE POLYGON: UNKNOWN NUMBER OF PLANTS SEEN IN 2003, ABOUT 100 PLANTS SEEN IN 2005, 45 PLANTS IN 2009, 90 PLANTS IN 2012, UNKNOWN NUMBER SEEN IN 2015.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	43	Map Index:	79633	EO Index:	80623	Element Last Seen:	2004-03-31
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-03-31	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-06-07	
Quad Summary:	Slate Mtn. (3812076)						
County Summary:	El Dorado						
Lat/Long:	38.81384 / -120.67328			Accuracy:	specific area		
UTM:	Zone-10 N4298690 E702013			Elevation (ft):	3350		
PLSS:	T11N, R12E, Sec. 8, SW (M)			Acres:	13.0		
Location:	RIDGE FORMING THE WESTERN RIM OF DARK CANYON, 1 AIR MILE SSE OF THE LOOKOUT ON THE SUMMIT OF SLATE MOUNTAIN.						
Detailed Location:	MAPPED AS 2 POLYGONS BY CNDDDB BASED ON 2014 USFS DIGITAL DATA. ELDORADO NF POPULATION #3.						
Ecological:							
General:	ABOUT 1050 PLANTS OBSERVED IN WEST POLYGON AND 50 PLANTS IN EAST POLYGON IN 2003. 2004 TAYLOR PHOTOS FROM "1 AIR MILE SSE OF LOOKOUT ON SUMMIT OF SLATE MOUNTAIN" ATTRIBUTED TO THIS SITE.						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	46	Map Index:	A0310	EO Index:	101861	Element Last Seen:	2015-06-11
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2015-06-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-06-10	
Quad Summary:	Slate Mtn. (3812076)						
County Summary:	El Dorado						
Lat/Long:	38.79611 / -120.66182			Accuracy:	specific area		
UTM:	Zone-10 N4296748 E703059			Elevation (ft):	3120		
PLSS:	T11N, R12E, Sec. 17, SE (M)			Acres:	2.0		
Location:	ALONG FOREST SERVICE ROAD 12N56, ON RIDGE ABOUT 0.9 AIR MILE ENE OF CABLE POINT, ABOVE SOUTH FORK AMERICAN RIVER.						
Detailed Location:	MAPPED BY CNDDDB BASED ON 2015 ELDORADO NF DIGITAL DATA, IN THE SW 1/4 SE 1/4 SECTION 17.						
Ecological:	ADJACENT TO DESERTED OHV TRAIL AMONG THICK SHRUBS. ASSOCIATES INCLUDE ARCTOSTAPHYLOS VISCIDA, QUERCUS KELLOGGII, PSEUDOTSUGA MENZIESII, AND THE RARE ARCTOSTAPHYLOS NISSENANA. SITE BURNED BY KING FIRE IN 2014.						
General:	45 PLANTS OBSERVED IN TWO PATCHES IN 2014, 150 INDIVIDUALS SCATTERED ALONG BOTH SIDES OF THE ROAD IN 2015. ELDORADO NF POPULATION #16-01.						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	47	Map Index: A0311	EO Index: 101862	Element Last Seen:	2015-06-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-10
Quad Summary:	Slate Mtn. (3812076)				
County Summary:	El Dorado				
Lat/Long:	38.8054 / -120.65434		Accuracy:	specific area	
UTM:	Zone-10 N4297796 E703682		Elevation (ft):	3370	
PLSS:	T11N, R12E, Sec. 16, NW (M)		Acres:	3.0	
Location:	ALONG FOREST SERVICE ROAD 12N56, ON RIDGE BETWEEN SLAB CREEK AND BRUSH CREEK, ABOUT 1.5 AIR MILES NE OF CABLE POINT.				
Detailed Location:	MAPPED BY CNDDDB BASED ON 2015 ELDORADO NF DIGITAL DATA, IN THE NW 1/4 NW 1/4 SECTION 16.				
Ecological:	ADJACENT TO DESERTED OHV TRAIL AMONG THICK SHRUBS. ASSOCIATES INCLUDE ARCTOSTAPHYLOS VISCIDA, QUERCUS KELLOGGII, PSEUDOTSUGA MENZIESII, AND THE RARE ARCTOSTAPHYLOS NISSENANA. SITE BURNED BY KING FIRE IN 2014.				
General:	2000+ PLANTS OBSERVED IN 2014, UNKNOWN NUMBER OBSERVED IN 2015. ELDORADO NF POPULATION #16-02.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	48	Map Index: A0313	EO Index: 101864	Element Last Seen:	2006-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-08-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-07
Quad Summary:	Slate Mtn. (3812076)				
County Summary:	El Dorado				
Lat/Long:	38.80483 / -120.67449		Accuracy:	specific area	
UTM:	Zone-10 N4297688 E701934		Elevation (ft):	3120	
PLSS:	T11N, R12E, Sec. 18, NE (M)		Acres:	9.0	
Location:	ON SPUR ROAD OFF OF FOREST SERVICE ROAD 11N88, ON RIDGE ABOVE SLAB CREEK, ABOUT 0.9 AIR MILE NNE OF CABLE POINT.				
Detailed Location:	MAPPED BY CNDDDB BASED ON 2014 USFS DIGITAL DATA, IN THE NE 1/4 NE 1/4 SECTION 18.				
Ecological:					
General:	20 PLANTS OBSERVED IN 2006. NO PLANTS OBSERVED IN 2015; AREA SURVEYED AS PART OF KING FIRE SALVAGE SURVEYS. ELDORADO NF POPULATION #11-01 & 11-02.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	49	Map Index: A0314	EO Index: 101866	Element Last Seen:	2015-05-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-05-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-06

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.86455 / -120.73529	Accuracy:	specific area
UTM:	Zone-10 N4304183 E696489	Elevation (ft):	3000
PLSS:	T12N, R11E, Sec. 27, NE (M)	Acres:	2.0

Location: NORTH END OF SLATE MOUNTAIN, ABOUT 0.5 AIR MILE SOUTH OF BALD MOUNTAIN CANYON AND 0.6 AIR MILE EAST OF ROCK CREEK.

Detailed Location: MAPPED AS 2 POLYGONS BY CNDDDB BASED ON 2015 ELDORADO NF DIGITAL DATA, IN THE NW 1/4 NE 1/4 SECTION 27. ELDORADO NF POPULATION #10-01 & 10-02.

Ecological: GROWING IN MOIST SOIL ALONG OHV TRAIL, UNDER DENSE SHADE OF ARCTOSTAPHYLOS VISCIDA.

General: ABOUT 250 RAMETS (2 GENETS) OBSERVED IN NORTH POLYGON, AND 115 RAMETS (3 GENETS) IN SOUTH POLYGON IN 2015. ENDURO MOTORCYCLE RACE PASSED THROUGH THIS AREA BUT NO IMPACTS FROM EVENT WERE OBSERVED.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	50	Map Index: A0315	EO Index: 101875	Element Last Seen:	2010-06-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2010-06-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-06

Quad Summary: Slate Mtn. (3812076), Garden Valley (3812077)

County Summary: El Dorado

Lat/Long:	38.83386 / -120.75208	Accuracy:	specific area
UTM:	Zone-10 N4300740 E695117	Elevation (ft):	2570
PLSS:	T11N, R11E, Sec. 4, E (M)	Acres:	7.0

Location: ALONG FS RD 12NY01, ON RIDGE BETWEEN ROCK CREEK AND HARRICKS RAVINE, ABOUT 2.5 AIR MILES NORTH OF FINNON RESERVOIR.

Detailed Location: MAPPED AS 8 POLYGONS BY CNDDDB BASED ON 2008 ROBERTS COORDINATES AND 2014 USFS DIGITAL DATA, WITHIN THE EAST HALF OF SECTION 4. ELDORADO NF POPULATION #12.

Ecological: WEST AND SOUTH ASPECTS ON GENTLE SLOPES.

General: 200 PLANTS DISCOVERED IN NW PORTION OF SITE IN 2008 AFTER TIMBER HARVEST. 130 PLANTS OBSERVED IN PORTION OF SITE IN 2009. 425+ PLANTS OBSERVED IN ALL BUT THE EAST-MOST POLYGON IN 2010.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	51	Map Index:	A0317	EO Index:	101876	Element Last Seen:	2010-06-23
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2010-06-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-06-02	

Quad Summary: Garden Valley (3812077)

County Summary: El Dorado

Lat/Long:	38.85209 / -120.75895	Accuracy:	80 meters
UTM:	Zone-10 N4302749 E694471	Elevation (ft):	2680
PLSS:	T12N, R11E, Sec. 33, NW (M)	Acres:	5.0

Location: ABOUT 0.6 AIR MILE WEST OF MOUTH OF DUTCH CANYON, ON DARLING RIDGE.

Detailed Location: MAPPED BY CNDDDB FROM USFS DIGITAL DATA, IN THE NE 1/4 OF THE NW 1/4 OF SECTION 33. ELDORADO NF POPULATION #15.

Ecological: EAST ASPECT, 5% SLOPE.

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2010.

Owner/Manager: USFS-ELDORADO NF

<i>Viola tomentosa</i>		Element Code: PDVIO04280
felt-leaved violet		
Listing Status:	Federal: None	CNDDDB Element Ranks:
	State: None	Global: G3
	Other: Rare Plant Rank - 4.2	State: S3
Habitat:	General: LOWER MONTANE CONIFEROUS FOREST, SUBALPINE CONIFEROUS FOREST, UPPER MONTANE CONIFEROUS FOREST.	
	Micro: IN OPEN, CONIFER FOREST IN DRY, GRAVELLY SOILS. 1035-2015 M.	

Occurrence No.	1	Map Index:	25887	EO Index:	5331	Element Last Seen:	1977-08-14
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1977-08-14	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2007-09-24	

Quad Summary: Leek Spring Hill (3812063)

County Summary: El Dorado

Lat/Long:	38.70125 / -120.32139	Accuracy:	1/5 mile
UTM:	Zone-10 N4287031 E732935	Elevation (ft):	5650
PLSS:	T10N, R15E, Sec. 21, SW (M)	Acres:	0.0

Location: WEST OF ALDER CREEK ABOUT 0.5 AIR MI SOUTH OF MORRISON, EAST OF IRON MOUNTAIN.

Detailed Location: STEBBINS GIVES THE FOLLOWING DIRECTIONS: ABOVE ALDER CREEK, SOUTH OF MORRISON, ALTITUDE 5400-5600 FEET.

Ecological: OPENINGS IN JEFFREY PINE FOREST, ON DRY GRAVELLY GRANITIC SOIL.

General: A FEW HUNDRED PLANTS OBSERVED BY STEBBINS IN THE LATE 1970'S. MAP DETAIL NEEDED FOR THIS SITE.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	2	Map Index: 25886	EO Index: 5332	Element Last Seen:	197X-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	197X-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-09-24
Quad Summary:	Leek Spring Hill (3812063)				
County Summary:	El Dorado				
Lat/Long:	38.71213 / -120.32688		Accuracy:	2/5 mile	
UTM:	Zone-10 N4288224 E732423		Elevation (ft):	5200	
PLSS:	T10N, R15E, Sec. 17, SE (M)		Acres:	0.0	
Location:	NEAR CONFLUENCE OF ALDER CREEK AND NORTH CREEK NORTHWEST OF MORRISON, EAST OF IRON MOUNTAIN.				
Detailed Location:	STEBBINS GIVES THE FOLLOWING DIRECTIONS: ALONG ALDER CREEK, NW OF MORRISON, SECTIONS 16, 17, AND 21, ALTITUDE 5200-5300 FEET.				
Ecological:	DRY CONIFEROUS FOREST.				
General:	5000-10,000 PLANTS OBSERVED BY STEBBINS IN THE LATE 1970'S. MAP DETAIL AND THREAT UPDATES NEEDED FOR THIS OCCURRENCE.				
Owner/Manager:	PVT				
Occurrence No.	3	Map Index: 25888	EO Index: 5333	Element Last Seen:	1978-10-04
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1978-10-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-01
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.64608 / -120.39112		Accuracy:	specific area	
UTM:	Zone-10 N4280732 E727045		Elevation (ft):	5150	
PLSS:	T09N, R14E, Sec. 11, E (M)		Acres:	58.1	
Location:	CAPPS CROSSING ON THE NORTH FORK COSUMNES RIVER.				
Detailed Location:	SEVERAL POPULATIONS FROM CAPPS CROSSING EASTWARD FOR ABOUT 1 MILE BETWEEN THE ROAD AND THE CREEK. WITHIN SECTIONS 11 AND 12.				
Ecological:	GROWING IN OPEN CONIFEROUS FOREST ON DRY GRAVELLY GRANITIC SOIL. PLANTS ARE FOUND IN DRY ROCKY AREAS LARGELY DEVOID OF COMPETING VEGETATION.				
General:	STEBBINS ESTIMATED THAT THE MINIMUM NUMBER OF PLANTS AT THIS SITE WAS 5000 IN THE LATE 1970'S. PREVIOUSLY COLLECTED AT THIS SITE IN 1944 BY G.T. ROBBINS (#1731 CAS) ALSO KNOWN FROM 1978 OBSERVATION BY BAAD. USFS POPULATION #03-01.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	4	Map Index: 25889	EO Index: 8723	Element Last Seen:	1972-06-28
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1972-06-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-09-24
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.87193 / -120.34039		Accuracy:	nonspecific area	
UTM:	Zone-10 N4305927 E730732		Elevation (ft):	5200	
PLSS:	T12N, R15E, Sec. 19, S (M)		Acres:	117.0	
Location:	ALONG JONES FORK SILVER CREEK SOUTH OF CHEESE CAMP RIDGE, NORTH OF ICE HOUSE RESERVOIR.				
Detailed Location:	MAPPED ALONG JONES FORK, SOUTH OF CHEESE CAMP RIDGE AT 5200' ELEVATION.				
Ecological:	GROWING IN OPEN CONIFEROUS FOREST ON DRY GRAVELLY SOIL.				
General:	ONLY SOURCE OF INFORMATION IS 1972 COLLECTION BY STEBBINS. MAP DETAIL, ECOLOGICAL, OWNERSHIP, AND THREAT INFORMATION NEEDED FOR THIS OCCURRENCE.				
Owner/Manager:	UNKNOWN				
Occurrence No.	5	Map Index: 25895	EO Index: 7392	Element Last Seen:	1991-07-09
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-06
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.86922 / -120.28771		Accuracy:	specific area	
UTM:	Zone-10 N4305760 E735312		Elevation (ft):	6250	
PLSS:	T12N, R15E, Sec. 22, SW (M)		Acres:	5.0	
Location:	JUST EAST OF THE CONFLUENCE FOR BIG SILVER CREEK AND UNNAMED STREAM, NORTH OF FOUR CORNERED PEAK.				
Detailed Location:	ON GRANITE HILLSIDE NORTH OF UNNAMED STREAM, NORTH OF USFS ROAD 12N68F. NEAR THE CENTER OF THE SW 1/4 OF SECTION 22.				
Ecological:	GROWING ON OPEN SLOPE OF DECOMPOSED GRANITE. ASSOCIATES INCLUDE PINUS JEFFREYI, CALOCEDRUS, ARCTOSTAPHYLOS SPP., QUERCUS VACCINIFOLIA, STREPTANTHUS, LINANTHUS, MADIA, CALOCHORTUS, PENSTEMON, GILIA, TRITELEIA, GAYOPHYTUM, PTERYXIA, ET AL.				
General:	2-3 PLANTS/SQUARE METER OBSERVED OVER 20 ACRES IN 1991. USFS POPULATION #03-7.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	6	Map Index: 25893	EO Index: 16453	Element Last Seen:	197X-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	197X-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-06-16
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.85184 / -120.27293		Accuracy:	1/5 mile	
UTM:	Zone-10 N4303870 E736653		Elevation (ft):	6200	
PLSS:	T12N, R15E, Sec. 26, S (M)		Acres:	0.0	
Location:	ALONG JONES FORK SILVER CREEK NORTHEAST OF TABLE ROCK, ABOUT 1 AIR MILE SOUTHEAST OF FOUR CORNERED PEAK.				
Detailed Location:	WITHIN SECTIONS 26 AND 27 ACCORDING TO STEBBINS.				
Ecological:	DRY, OPEN CONIFEROUS FOREST WHERE GRANITIC SLABS SLOPE DOWN TO THE ALLUVIUM AND RIPARIAN FOREST.				
General:	POPULATION SIZE ESTIMATED AT 700 PLANTS IN LATE 1970'S.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	7	Map Index: 25892	EO Index: 16457	Element Last Seen:	197X-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	197X-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1995-10-23
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.84344 / -120.30349		Accuracy:	2/5 mile	
UTM:	Zone-10 N4302858 E734027		Elevation (ft):	5800	
PLSS:	T12N, R15E, Sec. 33 (M)		Acres:	0.0	
Location:	ALONG JONES FORK SILVER CREEK WEST OF TABLE ROCK, ABOUT 1 AIR MILE NORTHWEST OF WINDMILLER CABIN.				
Detailed Location:	STEBBINS DESCRIBES THREE POPULATIONS IN THIS AREA, EACH SEPARATED BY A DISTANCE OF ABOUT 0.25 MILE.				
Ecological:	GROWING IN OPENINGS OF DRY CONIFEROUS FOREST ON DRY GRAVELLY SOIL.				
General:	4500-5000 PLANTS ESTIMATED BY STEBBINS IN LATE 1970'S. MAP DETAIL AND POTENTIAL THREATS NEEDED FOR THIS OCCURRENCE.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	8	Map Index: 25891	EO Index: 16456	Element Last Seen:	XXXX-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	XXXX-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-06-16
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.83124 / -120.33949		Accuracy:	2/5 mile	
UTM:	Zone-10 N4301413 E730942		Elevation (ft):	5600	
PLSS:	T11N, R15E, Sec. 06, N (M)		Acres:	0.0	
Location:	NORTH SIDE OF ICE HOUSE RESERVOIR ABOUT 2 AIR MILES SOUTHEAST OF JONES PLACE.				
Detailed Location:	NEAR CAL AGGIE CAMP.				
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS OBSERVATION BY M. HUDSON (DATE UNKNOWN) REFERRED TO IN STEBBINS REPORT. MAP DETAIL, ECOLOGICAL, AND THREAT INFORMATION NEEDED FOR THIS SITE.				
Owner/Manager:	PVT				



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Occurrence No.	9	Map Index: 25894	EO Index: 7393	Element Last Seen:	1992-09-28
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1992-09-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-06

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.85404 / -120.36773	Accuracy:	specific area
UTM:	Zone-10 N4303872 E728417	Elevation (ft):	4950
PLSS:	T12N, R14E, Sec. 25, SW (M)	Acres:	8.4

Location: NORTHEAST OF JONES PLACE, SOUTH OF JONES FORK SILVER CREEK.

Detailed Location: TWO COLONIES NEAR INTERSECTION OF USFS ROADS 12N28 AND 12N28A; ONE ALONG SPUR ROAD JUST WEST OF THE INTERSECTION, THE OTHER ALONG 12N28A ABOUT 0.2 MILE FROM 12N28.

Ecological: GROWING IN OPENINGS OF MATURE JEFFREY PINE FOREST ON SANDY SOILS. ASSOCIATED WITH PINUS JEFFREYI, LUPINUS BREWERI PARVULUS, HORKELIA FUSCA, AND SITANON HYSTRIX. ABOUT 50% OF THE AREA IS BARE GROUND.

General: 10,000 PLANTS OBSERVED BY STEBBINS IN LATE 1970'S. USFS POPULATION #03-5, "BOSWORTH TIMBER SALE".

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	10	Map Index: 25890	EO Index: 16454	Element Last Seen:	197X-XX-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	197X-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-09-24

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.84720 / -120.37026	Accuracy:	1/5 mile
UTM:	Zone-10 N4303106 E728219	Elevation (ft):	4900
PLSS:	T12N, R14E, Sec. 35, NE (M)	Acres:	0.0

Location: BETWEEN JONES PLACE AND CRYSTAL BASIN USFS STATION, NORTHWEST OF ICE HOUSE RESERVOIR.

Detailed Location: MAPPED WITHIN THE NE 1/4 OF THE NE 1/4 OF SECTION 35.

Ecological: PLANTS GROWING IN DEEP SANDY AND GRAVELLY SOIL WITHIN A FOREST THAT HAS BEEN LOGGED.

General: 15,000 PLANTS ESTIMATED BY STEBBINS IN THE LATE 1970'S. PLANTS CONSIDERED ABUNDANT AND LUXURIANT. NEED MAP DETAIL.

Owner/Manager: PVT



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Occurrence No.	11	Map Index: 25896	EO Index: 18361	Element Last Seen: 1992-06-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1992-06-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2007-09-24

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.81459 / -120.26412	Accuracy:	specific area
UTM:	Zone-10 N4299758 E737541	Elevation (ft):	6600
PLSS:	T11N, R16E, Sec. 07, W (M)	Acres:	3.8

Location: SOUTHWEST OF WILSON RANCH ALONG SOUTH FORK SILVER CREEK, JUST WEST OF CONFLUENCE WITH LYONS CREEK.

Detailed Location: MAPPED WITHIN THE CENTER OF THE W 1/2 OF SECTION 11, ALONG EITHER SIDE OF THE ROAD LEADING SOUTHWEST FROM WILSON RANCH. ONE SIDE OF THE ROAD IS A SMALL PLANTATION, THE OTHER IS UNDISTURBED.

Ecological: GROWING ON SANDY GRAVELLY SOILS WITHIN A RECENTLY PLANTED PLANTATION. ASSOCIATED WITH PINUS CONTORTA MURRAYANA, PTERIDIUM AQUILINUM, ANAPHALIS MARGARITACEA, SITION HYSTRIX, MONARDELLA ODORATISSIMA, ASTRAGALUS BOLANDERI, AND LUPINUS.

General: ABOUT 400 PLANTS IN TWO COLONIES OBSERVED IN 1992. USFS POPULATION #03-10, "HERBICIDE UNIT 518-16".

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	12	Map Index: 25910	EO Index: 13732	Element Last Seen: 1991-06-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1991-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2007-09-24

Quad Summary: Riverton (3812074), Loon Lake (3812083), Robbs Peak (3812084)

County Summary: El Dorado

Lat/Long:	38.87472 / -120.38832	Accuracy:	nonspecific area
UTM:	Zone-10 N4306116 E726564	Elevation (ft):	4900
PLSS:	T12N, R14E, Sec. 22 (M)	Acres:	197.2

Location: EAST SHORE OF UNION VALLEY RESERVOIR.

Detailed Location: MAPPED ALONG THE NORTH SHORE OF THE PENINSULA AT THE EAST END OF THE LAKE. SCATTERED ALONG SHORE, INTERMITTENTLY, FOR ABOUT 1.25 MILES.

Ecological: GROWING IN ASSOCIATION WITH PINUS PONDEROSA, P. LAMBERTIANA, P. MURRAYANA, ABIES CONCOLOR, CALOEDRUS, HORKELIA FUSCA, VIOLA PURPUREA, BROMUS TECTORUM, STREPTANTHUS, COLLINSIA, RUMEX ANGIOCARPUS, AND MADIA. SOILS ARE LOOSE, NOT VERY ROCKY.

General: 5000 PLANTS REPORTED BY STEBBINS IN 1979; 500 PLANTS SEEN AROUND THE BOAT RAMP IN 1991. MAP DETAIL NEEDED FOR THIS SITE.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	13	Map Index: 25916	EO Index: 18357	Element Last Seen:	1993-05-10
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1993-05-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-06
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.85168 / -120.44667		Accuracy:	80 meters	
UTM:	Zone-10 N4303416 E721573		Elevation (ft):	3400	
PLSS:	T12N, R14E, Sec. 30, SE (M)		Acres:	0.0	
Location:	SOUTH FORK SILVER CREEK OPPOSITE POTTS CABIN, SOUTHWEST OF UNION VALLEY RESERVOIR.				
Detailed Location:	NORTH SIDE OF CREEK; EAST OF USFS ROAD 12N30.2, WITHIN THE S 1/2 OF THE SE 1/4 OF SECTION 30.				
Ecological:	GROWING ALONG A ROCKY RIDGETOP WITH PHACELIA STEBBINSII ON METAMORPHIC ROCK RUBBLE. OTHER ASSOCIATES INCLUDE PINUS PONDEROSA, PSEUDOTSUGA, ERIOGONUM NUDUM, ARCTOSTAPHYLOS PATULA, CHLOROGALUM POMERIDIANIUM, AND PELLAEA BRIDGESII.				
General:	ONLY 5 PLANTS OBSERVED IN 1993. SITE HAS SLIGHTLY DIFFERENT HABITAT THAN USUAL ACCORDING TO BARRON. USFS POPULATION #03-18, "SOUTH FORK SILVER CREEK BRIDGE".				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	14	Map Index: 25909	EO Index: 18358	Element Last Seen:	1993-05-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1993-05-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-09-24
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.84068 / -120.44128		Accuracy:	specific area	
UTM:	Zone-10 N4302208 E722075		Elevation (ft):	4680	
PLSS:	T12N, R14E, Sec. 32, SW (M)		Acres:	10.0	
Location:	ALONG THE SOUTH FORK OF SILVER CREEK ABOUT 0.3 TO 0.9 AIR MILE NORTH OF CONFLUENCE WITH BIG HILL CANYON.				
Detailed Location:	MAPPED AS THREE POLYGONS ON BOTH SIDES OF THE CREEK WITHIN THE SW 1/4 SECTION 32.				
Ecological:	WITHIN MIXED CONIFER FOREST ON SANDY SOILS. ASSOCIATED WITH PSEUDOTSUGA, CALOCEDRUS, PINUS LAMBERTIANA, ABIES CONCOLOR, APOCYNUM, STELLARIA, LONICERA, DENTARIA, SMILACINA, PEDICULARIS, SENECIO, TRITELEIA, DELPHINIUM, AND CALOCHORTUS.				
General:	FEWER THAN 250 PLANTS OBSERVED OVER LESS THAN 0.1 ACRE IN 1993. USFS POPULATION #03-19, "BETWEEN THE STREAMS".				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	15	Map Index: 25911	EO Index: 18360	Element Last Seen:	1993-05-10
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1993-05-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-06
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.84084 / -120.44937		Accuracy:	specific area	
UTM:	Zone-10 N4302206 E721373		Elevation (ft):	4950	
PLSS:	T12N, R14E, Sec. 31, SE (M)		Acres:	20.9	
Location:	ALONG BOTH SIDES OF ROAD BETWEEN BRYANTS SPRING AND POTTS CABIN, ABOUT 0.7 AIR MILE SOUTH OF POTTS CABIN.				
Detailed Location:	ON EITHER SIDE OF USFS ROAD 12N30.2 (BRYANTS SPRING ROAD), EAST OF 12N37. WITHIN THE NW 1/4 OF THE SE 1/4 OF SECTION 31.				
Ecological:	GROWING IN RELATIVELY OPEN MEADOW WHICH HAS BEEN SOMEWHAT ENCROACHED BY TREES. ASSOCIATED WITH ALLIUM OBTUSUM, NAVARRETIA DIVARICATA, VIOLA PURPUREA, SANICULA TUBEROSA, SENECIO, HORKELIA, AND ARCTOSTAPHYLOS.				
General:	500-1000 PLANTS OBSERVED OVER AN AREA OF 200' X 500' IN 1993. USFS POPULATION #03-17, "CAN DUMP".				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	16	Map Index: 25917	EO Index: 5570	Element Last Seen:	1993-05-10
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	1993-05-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-06
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.83540 / -120.45411		Accuracy:	80 meters	
UTM:	Zone-10 N4301591 E720978		Elevation (ft):	4950	
PLSS:	T12N, R14E, Sec. 31, SW (M)		Acres:	0.0	
Location:	WEST SIDE OF THE ROAD BETWEEN BRYANTS SPRING AND POTTS CABIN, ABOUT 0.7 AIR MI NORTH OF BRYANTS SPRING.				
Detailed Location:	ALONG USFS ROAD 12N30.2 (BRYANTS SPRING ROAD) ABOUT 0.25 MILE SOUTH OF JUNCTION WITH 12N37. WITHIN THE SE 1/4 OF THE SW 1/4 OF SECTION 31.				
Ecological:	GROWING IN LOOSE SOIL WHICH HAD BEEN PUSHED UP FOR DRAINAGE CULVERT INSTALLATION. AREA WAS WHITE FIR AND CEDAR FOREST PRIOR TO 1992 CLEVELAND FIRE. SOILS APPEAR METAMORPHIC BUT ARE MAPPED AS LEDMOUNT.				
General:	ONLY A FEW PLANTS, IMMATURE AND NOT IN FLOWER, WERE OBSERVED IN 1993. USFS POPULATION #03-17.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	17	Map Index: 25912	EO Index: 13738	Element Last Seen:	1993-05-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1993-05-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-06
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.82755 / -120.44665		Accuracy:	specific area	
UTM:	Zone-10 N4300737 E721650		Elevation (ft):	4700	
PLSS:	T11N, R14E, Sec. 06, SE (M)		Acres:	6.1	
Location:	ALONG THE SOUTH FORK SILVER CREEK ABOUT 0.5 AIR MILE SOUTHWEST OF CONFLUENCE WITH BIG HILL CANYON.				
Detailed Location:	TWO COLONIES ALONG THE EAST SIDE OF THE CREEK DUE EAST OF BRYANTS SPRING.				
Ecological:	GROWING ON DECOMPOSED GRANITE ASSOCIATED WITH METAMORPHIC ROCKS. ASSOCIATED WITH APOCYNUM, STELLARIA, LONICERA, DENTARIA, SMILACINA, PEDICULARIS, SENECIO, TRITELEIA, MYRICA, DELPHINIUM, CALOCHORTUS, AND CICUTA.				
General:	ENTIRE POPULATION OF SOUTH FORK SILVER CREEK (OCCURRENCES #13, 14, 17) ESTIMATED TO BE 500-1500 PLANTS IN 1993. USFS POPULATION #03-20, "SOUTH FORK SILVER CREEK".				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	18	Map Index: 25913	EO Index: 13733	Element Last Seen:	1992-05-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1992-05-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-09-24
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.81317 / -120.46275		Accuracy:	specific area	
UTM:	Zone-10 N4299102 E720296		Elevation (ft):	5050	
PLSS:	T11N, R14E, Sec. 07, NW (M)		Acres:	10.6	
Location:	ALONG RIDGE EAST OF CEDAR SPRING, NORTH OF PEAVINE RIDGE.				
Detailed Location:	ON RIDGETOP BETWEEN USFS ROAD 11N60.1 AND 11N62, ABOUT 0.5 MILE NORTH OF 11N55.1. THIS POPULATION STRADDLES THE CENTER OF THE SECTION LINE BETWEEN SECTIONS 7 AND 12.				
Ecological:	GROWING ON EDGES AND WITHIN A PLANTATION. ASSOCIATED WITH PINUS PONDEROSA, ABIES CONCOLOR, CALOCEDRUS, CEANOOTHUS CORDULATUS, PRUNUS EMARGINATA, ARCTOSTAPHYLOS PATULA, AMELIANCHIER, RIBES, VIOLA PURPUREA, SENECIO, SANICULA, AND VICIA.				
General:	PLANTS WIDELY SCATTERED IN OPEN AREAS. USFS POPULATION #03-9, "CEDAR SPRING".				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	19	Map Index: 25918	EO Index: 18364	Element Last Seen: 1990-06-21
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen: 1990-06-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1994-07-06

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.82198 / -120.47209	Accuracy:	80 meters
UTM:	Zone-10 N4300058 E719458	Elevation (ft):	4950
PLSS:	T11N, R13E, Sec. 01, SE (M)	Acres:	0.0

Location: NORTH SIDE OF ROAD TO JAY BIRD POWERHOUSE (USFS ROAD 11N60.1) ABOUT 0.9 AIR MI NNW OF CEDAR SPRING, N OF PEAVINE RIDGE.

Detailed Location: NORTH OF USFS 11N60.1 AND EAST OF 11N60B, NEAR USGS ELEVATION MARKER "4951".

Ecological: GROWING IN THE OPEN ALONG THE ROADSIDE IN THE LOOSENEED SOILS OF THE ROAD BERM. SURROUNDING VEGETATION IS PINE/OAK/CEDAR FOREST. PLANTS NOT FOUND UNDER THE TREES IN THE HEAVY PINE NEEDLE DUFF.

General: FEWER THAN 50 PLANTS OBSERVED OVER AN AREA OF 20 X 50 METERS IN 1990. USFS POPULATION #03-6.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	20	Map Index: 25914	EO Index: 18365	Element Last Seen: 1993-05-05
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1993-05-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2007-09-24

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.80316 / -120.43999	Accuracy:	specific area
UTM:	Zone-10 N4298047 E722304	Elevation (ft):	5100
PLSS:	T11N, R14E, Sec. 17, NW (M)	Acres:	16.1

Location: NORTH SIDE OF PEAVINE RIDGE ROAD BETWEEN ROADS LEADING TO BRYANTS SPRING AND CHICKEN HAWK SPRING, PEAVINE RIDGE.

Detailed Location: FOUR COLONIES MAPPED ALONG USFS ROAD 11N55.1, FROM ABOUT 0.1 MILE EAST OF 12N30.2 TO ABOUT 0.3 MILE WEST OF "B" SPUR. USFS POPULATION #03-16.

Ecological: GROWING IN "MCCARTHY MEADOW". ASSOCIATED WITH PINUS JEFFREYI, CALOEDRUS, QUERCUS CHRYSOLEPIS, ARCTOSTAPHYLOS SPP., ALLIUM SPP., NAVARRETIA DIVARICATA, CALYPTRIDIUM UMBELLATUM, POA SCABRELLA, CALOCHORTUS, VIOLA PURPUREA, AGOSERIS, ET AL.

General: POPULATION CONSISTS OF SMALL, MATURE PLANTS. SIZE MAY BE ATTRIBUTED TO HAVING BEEN BURNED IN 1992. BARRON COLLECTED SPECIMENS, SUGGESTS THIS POPULATION MAY BE OF HYBRID ORIGIN. SITE FIRST REPORTED BY M. HUDSON IN THE LATE 1970'S.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	21	Map Index: 25919	EO Index: 13515	Element Last Seen:	1993-05-05
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1993-05-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-06
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.79774 / -120.40183		Accuracy:	1/5 mile	
UTM:	Zone-10 N4297539 E725635		Elevation (ft):	5250	
PLSS:	T11N, R14E, Sec. 15, SW (M)		Acres:	0.0	
Location:	INTERSECTION OF PEAVINE ROAD AND THE ROAD TO SILVER CREEK CAMPGROUND, PEAVINE RIDGE.				
Detailed Location:	MAP DETAIL NOT PROVIDED; STEWART'S DIRECTIONS "AT CORNER OF NORTHERN BOUNDARY INTERSECTION WITH PARALLEL RD TO PEAVINE RIDGE RD (RECENTLY IMPROVED)". NW 1/4 OF THE SW 1/4 OF SECTION 15.				
Ecological:	YOUNG PONDEROSA PINE PLANTATION. ASSOCIATED WITH ARCTOSTAPHYLOS, CEANOTHUS, VIOLA PURPUREA, VICIA, SANICULA, BRODIAEA, CALYPTRIDUM UMBELLATUM, RIBES, AND ALLIUM.				
General:	60-80 PLANTS OBSERVED IN 1993. POPULATION SEEMS TO BE RECOVERING WITHIN DISTURBED AREA. USFS POPULATION #03-15.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	22	Map Index: 25915	EO Index: 13734	Element Last Seen:	1993-09-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1993-09-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-06
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.81639 / -120.38327		Accuracy:	specific area	
UTM:	Zone-10 N4299655 E727188		Elevation (ft):	5270	
PLSS:	T11N, R14E, Sec. 11, NW (M)		Acres:	17.1	
Location:	BOTH SIDES OF TRIBUTARY TO SOUTH FORK SILVER CREEK WEST OF SILVER CREEK CAMPGROUND, SSE OF BIG HILL LOOKOUT.				
Detailed Location:	WEST SIDE OF SOUTH FORK SILVER CREEK ON USFS PROPERTY WHICH IS SURROUNDED BY PRIVATE PROPERTY. WITHIN THE SW 1/4 OF THE NW 1/4 OF SECTION 11 AND THE SE 1/4 OF THE NE 1/4 OF SECTION 12.				
Ecological:	GROWING ON DECOMPOSED GRANITE SOILS ALONG A STREAMSIDE TERRACE. ASSOCIATED WITH PINUS JEFFREYI, ARCTOSTAPHYLOS PATULA, PINUS CONTORTA MURRAYANA, AND HORKELIA TRIDENTATA.				
General:	1000 OR MORE PLANTS OBSERVED OVER 20 ACRES IN 1993. PLANTS DOING WELL DESPITE DISTURBANCES. USFS POPULATION #03-21, "SILVER CREEK CAMP".				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	23	Map Index: 25903	EO Index: 18343	Element Last Seen:	197X-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	197X-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-09-25

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.98722 / -120.36999	Accuracy:	1/5 mile
UTM:	Zone-10 N4318649 E727794	Elevation (ft):	5500
PLSS:	T13N, R14E, Sec. 11, E (M)	Acres:	0.0

Location: ALONG RIDGE SOUTH OF ROCKY BASIN CREEK NEAR FRANCIS COW CAMP, WEST OF LOON LAKE.

Detailed Location: ON DRY RIDGE, JUST SOUTH OF CREEK.

Ecological: ON DRY RIDGE IN OPEN FOREST WITH SANDY GRANITIC SOILS.

General: 50 PLANTS OBSERVED IN LATE 1970'S. MAP DETAIL AND THREAT INFORMATION NEEDED FOR THIS SITE.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	24	Map Index: 25904	EO Index: 13726	Element Last Seen:	1979-06-30
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1979-06-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-09-24

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.95042 / -120.36582	Accuracy:	specific area
UTM:	Zone-10 N4314575 E728274	Elevation (ft):	5400
PLSS:	T13N, R14E, Sec. 26, NE (M)	Acres:	38.8

Location: SOUTH OF THE SOUTH FORK RUBICON RIVER ABOUT 1.5 AIR MILES SOUTHWEST OF SCHLEIN RANGER STATION, SOUTHWEST OF LOON LAKE.

Detailed Location: MAPPED BETWEEN THE RIVER AND USFS ROAD 13N64.

Ecological: OPEN, FLAT AREAS OF GRAVELLY, WELL DRAINED SOIL WITHIN OPENINGS OF INCENSE CEDAR AND PONDEROSA PINE FOREST. UNDERSTORY OF MANZANTIA, SMALL AMOUNT OF PINE NEEDLE DUFF. VERY LITTLE HERBACEOUS COVER IN THE OPENINGS.

General: 4000+ PLANTS OBSERVED IN 1979. THE PLANTS ARE VERY DENSE IN MANY SPOTS AND WELL DISTRIBUTED IN AREA MAPPED; THERE ARE ALSO LOCALIZED PATCHES OUTSIDE THE MAPPED AREA. MAP DETAIL NEEDED FOR THE OUTLYING PATCHES. USFS POPULATION #03-3.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	25	Map Index: 25906	EO Index: 13722	Element Last Seen:	1991-08-28
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1991-08-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-07

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.91574 / -120.30576	Accuracy:	specific area
UTM:	Zone-10 N4310878 E733593	Elevation (ft):	6250
PLSS:	T12N, R15E, Sec. 04, NW (M)	Acres:	9.3

Location: ALONG SUN ROCK TRAIL SOUTH OF UPPER BASSI RANCH, ABOUT 4.5 AIR MILES SOUTH OF LOON LAKE.

Detailed Location: TWO COLONIES; ONE IS MAPPED ALONG THE TRAIL ABOUT 400 METERS FROM BASSI FORK TRAIL CROSSING, THE OTHER IS MAPPED ABOUT 400 METERS ENE OF THE FIRST.

Ecological: GROWING ON A LOW GRANITE RIDGE WITH LOOSE, DECOMPOSED GRANITE SOIL. ASSOCIATED WITH ARCTOSTAPHYLOS PATULA, A. NEVADENSIS, ERIOGONUM NUDUM, E. MARIFLOIUM, STREPTANTHUS, APOCYNUM, JUNCUS PARRYI, AND ALLIUM CAMPANULATUM.

General: ONLY A FEW PLANTS NOTICED IN EITHER COLONY IN 1991. USFS POPULATION #03-8.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	26	Map Index: 25905	EO Index: 5329	Element Last Seen:	1993-08-18
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1993-08-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-07

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.90395 / -120.32611	Accuracy:	specific area
UTM:	Zone-10 N4309517 E731867	Elevation (ft):	6200
PLSS:	T12N, R15E, Sec. 08, NW (M)	Acres:	11.3

Location: SOUTH OF THE ROAD BETWEEN WENCH FLAT AND UPPER BASSI RANCH, ABOUT 0.8 AIR MILE NNE OF BASSI FALLS.

Detailed Location: TWO COLONIES ALONG THE RIDGETOP ABOVE THE ROAD.

Ecological: GROWING WITHIN OPENINGS IN DRY, MIXED CONIFER FOREST ON DECOMPOSED GRANITE. ASSOCIATED WITH PINUS JEFFREYI, CALOCEDRUS, QUERCUS KELLOGGII, Q. VACCINIFOLIA, ABIES CONCOLOR, ARCTOSTAPHYLOS SPP, PHACELIA, ERIOGONUM, LINANTHUS, PENSTEMON, ETC.

General: 40 PLANTS OBSERVED IN THE WESTERN COLONY AND 60 PLANTS OBSERVED IN THE EASTERN COLONY IN 1993. TOTAL AREA IS ABOUT 1 ACRE. USFS POPULATION #03-22, "DIVERSITY RIDGE".

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	27	Map Index: 25907	EO Index: 5328	Element Last Seen: 1992-10-28
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1992-10-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1994-07-07

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.89315 / -120.33045	Accuracy:	80 meters
UTM:	Zone-10 N4308307 E731526	Elevation (ft):	5500
PLSS:	T12N, R15E, Sec. 17, NW (M)	Acres:	0.0

Location: NORTH SIDE OF BASSI FORK AT BASSI FALLS, ABOUT 2 MILES EAST OF UNION VALLEY RESERVIOR.

Detailed Location: FOUND IN OPEN SANDY AREAS AMONG FLAT GRANITE ROCKS JUST NORTH OF THE FALLS. MAPPED WITHIN THE EXTREME NW CORNER OF SECTION 17.

Ecological: OPEN AREA WITH MUCH GRANITE BEDROCK SHOWING. SURROUNDING TREES INCLUDE QUERCUS KELLOGII, PINUS JEFFREYI, AND CALOCEDRUS. HERBACEOUS ASSOCIATES INCLUDE HORKELIA, PHLOX, ARCTOSTAPHYLOS, ERIOGONUM, CHEILANTHES, SEDUM, SELAGINELLA, ET AL.

General: ABOUT 50 PLANTS SEEN IN LATE 1970'S BY STEBBINS, FEWER THAN 50 PLANTS OBSERVED OVER A 50' X 50' AREA IN 1992. PLANTS WERE OBSERVED LATE IN THE SEASON IN 1992, MORE MAY BE EVIDENT EARLIER IN THE YEAR. USFS POPULATION #03-14, "BASSI FALLS".

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	28	Map Index: 25908	EO Index: 5327	Element Last Seen: 197X-XX-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 197X-XX-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2007-09-24

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.88109 / -120.34643	Accuracy:	1/10 mile
UTM:	Zone-10 N4306928 E730178	Elevation (ft):	5100
PLSS:	T12N, R15E, Sec. 18, SW (M)	Acres:	0.0

Location: BIG SILVER CREEK ALONG EITHER SIDE OF CONFLUENCE WITH BASSI FORK, EAST OF UNION VALLEY RESERVOIR.

Detailed Location:

Ecological: GROWING IN GRAVELLY GRANITIC SOIL AMONG PINUS JEFFREYI.

General: ABOUT 600 PLANTS OBSERVED IN LATE 1970'S BY STEBBINS.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	29	Map Index: 25899	EO Index: 5325	Element Last Seen:	1992-07-09
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1992-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-07

Quad Summary: Robbs Peak (3812084)

County Summary: El Dorado

Lat/Long:	38.98903 / -120.37829	Accuracy:	specific area
UTM:	Zone-10 N4318829 E727070	Elevation (ft):	5450
PLSS:	T13N, R14E, Sec. 11, NW (M)	Acres:	3.8

Location: WEST OF GERLE CREEK ABOUT 3 AIR MILES NNE OF SOUTH FORK CAMPGROUND, NORTH OF ROBBS PEAK.

Detailed Location: DISPERSED CAMPING AREA ADJACENT TO WENTWORTH SPRINGS ROAD AT THE GERLE CREEK CROSSING.

Ecological: GROWING ON A LOW RIDGE WITH DECOMPOSED GRANITE SOIL. ASSOCIATED WITH CALOCEDRUS, JUNIPERUS OCCIDENTALIS, PINUS JEFFREYI, QUERCUS KELLOGGII, Q. VACCINIFOLIA, GILIA LEPTALEA, CALYPTRIDUM UMBELLATUM, STREPTANTHUS TORTUOSUS, AND PTERYXIA.

General: 100-150 PLANTS OBSERVED OVER 1 ACRE IN 1992. USFS POPULATION #03-11, "AIRPORT FLAT".

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	30	Map Index: 25900	EO Index: 5324	Element Last Seen:	1993-10-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1993-10-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-07-07

Quad Summary: Robbs Peak (3812084)

County Summary: El Dorado

Lat/Long:	38.97174 / -120.39404	Accuracy:	specific area
UTM:	Zone-10 N4316871 E725760	Elevation (ft):	5250
PLSS:	T13N, R14E, Sec. 15, SW (M)	Acres:	12.5

Location: NORTHERN SHORE OF GERLE CREEK RESERVOIR, NORTH OF ROBBS PEAK.

Detailed Location: RESERVOIR IS AT THE CONFLUENCE OF GERLE CREEK AND ANGEL CREEK.

Ecological:

General: MAP DETAIL IS THE ONLY SOURCE OF INFORMATION FOR THIS SITE.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	31	Map Index: 25901	EO Index: 5323	Element Last Seen:	1936-07-08
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1936-07-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1995-11-21
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.91141 / -120.42274		Accuracy:	1 mile	
UTM:	Zone-10 N4310104 E723463		Elevation (ft):	6000	
PLSS:	T12N, R14E, Sec. 05 (M)		Acres:	0.0	
Location:	BETWEEN NORTH FORK OF SILVER CREEK AND ROBBS PEAK.				
Detailed Location:	NORTH FORK OF SILVER CREEK NOT FOUND ON PRESENT MAPS. SITE MAPPED BETWEEN LITTLE SILVER CREEK AND ROBBS PEAK IN THE VICINITY OF THE E 1/2 OF SECTION 5 AND THE W 1/2 OF SECTION 4.				
Ecological:					
General:	SEARCHES BY M. BAAD (1978) AND G.L. STEBBINS (LATE 1970'S) FAILED TO FIND THE SITE MENTIONED IN THE COLLECTION BY QUICK IN 1936. DUE TO THE VAGUE DIRECTIONS FROM THE COLLECTION, PLANTS ARE PRESUMED TO EXIST AT A SITE NOT YET REDISCOVERED.				
Owner/Manager:	UNKNOWN				

Carex davyi	Element Code: PMCYP033H0
Davy's sedge	
Listing Status:	Federal: None
	State: None
	Other: Rare Plant Rank - 1B.3
Habitat:	General: SUBALPINE CONIFEROUS FOREST, UPPER MONTANE CONIFEROUS FOREST.
	Micro: 1605-3230 M.
	CNDDDB Element Ranks: Global: G3
	State: S3

Occurrence No.	9	Map Index: 82341	EO Index: 83356	Element Last Seen:	1897-07-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1897-07-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-05-02
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.77479 / -120.29524		Accuracy:	1 mile	
UTM:	Zone-10 N4295260 E734969		Elevation (ft):	6300	
PLSS:	T11N, R15E, Sec. 27 (M)		Acres:	0.0	
Location:	ABOVE SLIPPERY FORD (KYBURZ), SIERRA NEVADA MOUNTAINS.				
Detailed Location:	SLIPPERY FORD IS NOW KNOWN AS THE TOWN OF KYBURZ. EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS BEST GUESS CENTERED ON KYBURZ BUT MAY BE ON RIDGES NORTH OR SOUTH OF TOWN AT ELEVATION PROVIDED ON COLLECTION LABEL (6300 FT).				
Ecological:					
General:	ONLY SOURCE OF INFORMATION IS AN 1897 BRAINERD COLLECTION. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				



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Carex limosa		Element Code: PMCYP037K0	
mud sedge			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5
	State: None		State: S3
	Other: Rare Plant Rank - 2B.2		
Habitat:	General: BOGS AND FENS, LOWER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS, MARSHES AND SWAMPS, UPPER MONTANE CONIFEROUS FOREST.		
	Micro: IN FLOATING BOGS AND SOGGY MEADOWS AND EDGES OF LAKES. 1370-2790 M.		

Occurrence No.	4	Map Index:	35210	EO Index:	28980	Element Last Seen:	1992-07-22
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:			1992-07-22
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			1996-05-23

Quad Summary:	Loon Lake (3812083)
County Summary:	El Dorado

Lat/Long:	38.90351 / -120.26348	Accuracy:	80 meters
UTM:	Zone-10 N4309629 E737300	Elevation (ft):	7480
PLSS:	T12N, R16E, Sec. 07, NW (M)	Acres:	0.0

Location:	ABOUT 1 MILE EAST OF TWO PEAKS (NE-MOST SUMMIT) & 0.9 MILE NNW OF PEARL LAKE, SOUTH OF LOON LAKE.
Detailed Location:	MAPPED NEAR THE CENTER OF THE W1/2 OF SECTION 7.
Ecological:	FLOATING BOG WITHIN A RED FIR FOREST. CAREX GROWING ON FLOATING SPHAGNUM. SURROUNDING SHRUBS INCLUDE LEDUM GLANDULOSUM, KALMIA POLYFOLIA, PHYLLODOCE BREWERI, VACCINIUM NIVICTUM, V. OCCIDENTALIS, SPIRAEA DENSIFLORA, AND SALIX SPP.
General:	THOUSANDS OF PLANTS OBSERVED IN 1992. DOMINANT PLANT ON THE FLOATING BOG. SITE IS PRIVATELY OWNED. USFS MAY ACQUIRE HALF OF BOG THROUGH LAND EXCHANGE.
Owner/Manager:	PVT

Occurrence No.	25	Map Index:	70551	EO Index:	71458	Element Last Seen:	2006-06-19
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:			2006-06-19
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:			2007-11-28

Quad Summary:	Kyburz (3812073)
County Summary:	El Dorado

Lat/Long:	38.83899 / -120.31130	Accuracy:	nonspecific area
UTM:	Zone-10 N4302345 E733364	Elevation (ft):	6102
PLSS:	T12N, R15E, Sec. 33, S (M)	Acres:	70.0

Location:	5.5 MILES EAST OF ICE HOUSE ROAD ON THE ROAD TO WRIGHTS LAKE.
Detailed Location:	UNKNOWN IF SITE IS LOCATED 5.5 ROAD MILES OR AIR MILES EAST OF ICE HOUSE RD. MAPPED AS BEST GUESS BY CNDDDB FROM 4.5 TO 6.5 ROAD MILES ON WRIGHTS LAKE ROAD FROM ICE HOUSE RD.
Ecological:	GROWING AT THE EDGE OF A MEADOW IN A CONIFEROUS FOREST.
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2006 HELMKAMP COLLECTION.
Owner/Manager:	USFS-ELDORADO NF

Carex cyrtostachya		Element Code: PMCYP03M00	
Sierra arching sedge			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2		
Habitat:	General: LOWER MONTANE CONIFEROUS FOREST, RIPARIAN FOREST, MARSHES AND SWAMPS, MEADOWS AND SEEPS.		



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Micro: MESIC SITES. 605-1390 M.

Occurrence No.	1	Map Index:	99007	EO Index:	100511	Element Last Seen:	2006-08-23
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2006-08-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-01-29	
Quad Summary:	Pollock Pines (3812075)						
County Summary:	El Dorado						
Lat/Long:	38.86472 / -120.57916			Accuracy:	80 meters		
UTM:	Zone-10 N4304550 E710037			Elevation (ft):	4460		
PLSS:	T12N, R12E, Sec. 25, NE (M)			Acres:	5.0		
Location:	KINGS MEADOW; NEAR HEAD OF SLAB CREEK, 1.1 AIR MILES EAST OF LITTLE SUGAR PINE MTN AND 1.6 AIR MILES SW OF LOOKOUT MTN.						
Detailed Location:	MAPPED BASED ON 2006 JANEWAY COORDINATES IN THE NE 1/4 NE 1/4 SECTION 25. PLANTS DESCRIBED AS "OCCASIONAL ESPECIALLY ALONG NORTH AND EAST EDGES OF MEADOW" BUT COORDINATES ARE CLOSER TO SOUTH END OF MEADOW.						
Ecological:	ALONG FOREST EDGE OF SOGGY MEADOW WITHIN MIXED CONIFER FOREST OF ABIES CONCOLOR, PSEUDOTSUGA, CALOEDRUS AND PINUS CONTORTA. ASSOCIATES INCLUDE BRACKEN, LUZULA COMOSA, AND CAREX LEMMONII.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2006 JANEWAY COLLECTION; "OCCASIONAL" IN 2006.						
Owner/Manager:	UNKNOWN						

Occurrence No.	2	Map Index:	99008	EO Index:	100512	Element Last Seen:	1968-07-11
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		1968-07-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-01-29	
Quad Summary:	Pollock Pines (3812075)						
County Summary:	El Dorado						
Lat/Long:	38.86577 / -120.58755			Accuracy:	nonspecific area		
UTM:	Zone-10 N4304647 E709305			Elevation (ft):	4400		
PLSS:	T12N, R12E, Sec. 25, N (M)			Acres:	27.0		
Location:	ALONG SLAB CREEK 0.25 MILE WEST OF KINGS MEADOW, EAST OF PINO GRANDE.						
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB ALONG SLAB CREEK AT ABOUT 4400 FT ELEVATION, BASED ON A 1968 STEBBINS COLLECTION.						
Ecological:	OPEN BOG IN MIXED CONIFEROUS FOREST ON METAMORPHIC ROCK FORMATION.						
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1968 STEBBINS COLLECTION. NEEDS FIELDWORK.						
Owner/Manager:	UNKNOWN						



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Occurrence No.	3	Map Index: 99009	EO Index: 100513	Element Last Seen:	2006-08-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2006-08-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.88444 / -120.65138		Accuracy:	80 meters	
UTM:	Zone-10 N4306575 E703714		Elevation (ft):	4235	
PLSS:	T12N, R12E, Sec. 17, SE (M)		Acres:	5.0	
Location:	GADDIS CREEK AT CROSSING OF MAINLINE RD 3.5 ROAD KM SOUTH OF WENTWORTH SPRINGS RD, BLODGETT FOREST RESEARCH STATION.				
Detailed Location:	MAPPED FROM 2006 JANEWAY COORDINATES, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 17.				
Ecological:	EAST EDGE OF VERY WATER-LOGGED FLAT SEDGY MEADOW, SHADED BY ALNUS RHOMBIFOLIA & ADJACENT MIXED CONIFER FOREST (SUGAR PINE, DOUGLAS-FIR, INCENSE CEDAR). ASSOCIATES INCL CAREX LAEVICULMIS, RHODODENDRON OCCIDENTALE, BOYKINIA, LOTUS, & MOSSES.				
General:	SITE BASED ON A 2006 JANEWAY COLLECTION. 1973 RUBTZOFF & HOWELL COLLECTION FROM "UPPER GADDIS CREEK NEAR MAINLINE RD, BLODGETT FOREST" ATTRIBUTED HERE.				
Owner/Manager:	UC-BERKELEY				
Occurrence No.	4	Map Index: 99010	EO Index: 100514	Element Last Seen:	1973-07-19
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1973-07-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.91026 / -120.66054		Accuracy:	2/5 mile	
UTM:	Zone-10 N4309420 E702846		Elevation (ft):	4250	
PLSS:	T12N, R12E, Sec. 8, N (M)		Acres:	280.0	
Location:	SOUTH FORK BACON CANYON NEAR BACCHI CORRAL RD, BLODGETT FOREST RESEARCH STATION.				
Detailed Location:	CNDDDB UNABLE TO LOCATE BACCHI CORRAL ROAD. MAPPED AS BEST GUESS AROUND THE SW END OF BACON CANYON. GIVEN ELEVATION IS 4250 FEET.				
Ecological:	MOIST GROUND ALONG ROADSIDE DITCH AND IN WET OPEN GROUND IN A MARSHY AREA.				
General:	ONLY SOURCES OF INFORMATION FOR THIS SITE ARE TWO 1973 RUBTZOFF & HOWELL COLLECTIONS. NEEDS FIELDWORK.				
Owner/Manager:	UC-BERKELEY?				



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Occurrence No.	5	Map Index: 99011	EO Index: 100515	Element Last Seen:	2015-09-08
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-09-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30
Quad Summary:	Garden Valley (3812077), Georgetown (3812087)				
County Summary:	El Dorado				
Lat/Long:	38.87553 / -120.81617		Accuracy:	specific area	
UTM:	Zone-10 N4305230 E689442		Elevation (ft):	2240	
PLSS:	T12N, R10E, Sec. 24, W (M)		Acres:	5.0	
Location:	ALONG ROCK CANYON CREEK ABOUT 200 M UPSTREAM OF CONFLUENCE WITH TRAVERSE CREEK, ELDORADO NF.				
Detailed Location:	MAPPED BY CNDDDB FROM 2007 JANEWAY COORDINATES, 2015 SLAKEY COORDINATES, AND USFS DIGITAL DATA, IN THE WEST HALF OF SECTION 24.				
Ecological:	NARROW CREEKSIDE STRIP OF RIPARIAN WOODLAND THROUGH OPEN SERPENTINE CHAPARRAL DOMINATED BY QUERCUS DURATA WITH SCATTERED GRAY PINE. ASSOCIATES INCLUDE FRAXINUS, ACER MACROPHYLLUM, ALNUS RHOMBIFOLIA, ASTER OREGONENSIS, ARTEMISIA, ETC.				
General:	ABOUT 30 CLUMPS IN 2007 AND 2012, WITH MORE SCATTERED DOWNSTREAM. 5 PLANTS IN 2015, BUT SURVEYS WERE LATE IN SEASON AND PLANTS WERE DIFFICULT TO SPOT. 1976 STEBBINS COLLECTION FROM "ROCK CREEK, EL DORADO CO" ATTRIBUTED HERE.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	14	Map Index: B0170	EO Index: 112029	Element Last Seen:	2017-08-11
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2017-08-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado				
Lat/Long:	38.92215 / -120.4553		Accuracy:	specific area	
UTM:	Zone-10 N4311216 E720607		Elevation (ft):	5585	
PLSS:	T12N, R14E, Sec. 6, NW (M)		Acres:	2.0	
Location:	SE OF WENTWORTH SPRINGS ROAD, ~1.8 AIR MILES NNE OF SILVER HILL, NW OF UNION VALLEY RESERVOIR.				
Detailed Location:	MAPPED ACCORDING TO 2017 HENWOOD MAP, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 6.				
Ecological:	GROWING ALONG A CREEK WITHIN A MIXED CONIFER FOREST. GROWING WITH RHODODENDRON OCCIDENTALIS, BOYKINIA MAJOR, CALOEDRUS DECURRENS, HOSACKIA OBLONGIFOLIA, JUNCUS, COMMON CAREX, AND ABIES CONCOLOR. 50-70% CANOPY. 0-5% SLOPE. SW ASPECT.				
General:	5 PLANTS OBSERVED IN 2017. NO ADDITIONAL INDIVIDUALS OBSERVED DOWNSTREAM.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	15	Map Index: B0171	EO Index: 112030	Element Last Seen:	2017-08-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-08-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30

Quad Summary: Robbs Peak (3812084)

County Summary: El Dorado

Lat/Long:	38.91812 / -120.46791	Accuracy:	specific area
UTM:	Zone-10 N4310739 E719526	Elevation (ft):	5415
PLSS:	T12N, R13E, Sec. 1, N (M)	Acres:	1.0

Location: ALONG A TRIBUTARY TO PILOT CREEK, ~0.29 AIR MILE N OF PLUM CREEK ROAD, ABOUT 3.5 AIR MILES WSW OF ROBBS PEAK.

Detailed Location: MAPPED ACCORDING TO 2017 HENWOOD COORDINATES, IN THE NORTH 1/2 OF SECTION 1.

Ecological: GROWING WITHIN A MIXED CONIFER FOREST ALONG A DRAINAGE DITCH ADJACENT TO THE ROAD AND ABOUT 20 FT DOWNSLOPE OF THE CULVERT THAT WAS INSTALLED IN 2012. MAJORITY OF OCCURRENCE IS GROWING IN THE DRAINAGE DITCH ON THE UPHILL SIDE OF THE ROAD.

General: 100 PLANTS OBSERVED IN 2017.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	16	Map Index: B0172	EO Index: 112031	Element Last Seen:	2016-09-XX
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-09-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30

Quad Summary: Devil Peak (3812085)

County Summary: El Dorado

Lat/Long:	38.88915 / -120.62377	Accuracy:	specific area
UTM:	Zone-10 N4307160 E706095	Elevation (ft):	4320
PLSS:	T12N, R12E, Sec. 15, NW (M)	Acres:	1.0

Location: 0.13 AIR MILE EAST OF MOSQUITO ROAD, 0.23 AIR MILE SOUTH OF BUTCHER CORRAL.

Detailed Location: MAPPED ACCORDING TO 2016 HENWOOD COORDINATES, IN THE SE 1/4 OF THE NW 1/4 OF SECTION 15.

Ecological: WET SEEPY FLAT AREA UNDER 30% CANOPY COVER. ASSOCIATED SPECIES INCLUDE FRAGARIA VESCA, LYSIMACHIA LATIFOLIA, CALOCEDRUS DECURRENS, VIOLA GLABELLA, MIMULUS PRIMULOIDES, AND SENECIO TRIANGULARIS.

General: 19 PLANTS OBSERVED IN MAY 2016. POPULATION WAS REVISITED IN SEPTEMBER 2016 FOR POSITIVE ID, PLANT WAS OBSERVED WITH A NODDING INFLORESCENCE IN FRUIT.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	17	Map Index: B0173	EO Index: 112032	Element Last Seen:	2016-05-27
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-05-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30
Quad Summary:	Devil Peak (3812085)				
County Summary:	El Dorado				
Lat/Long:	38.90054 / -120.61899		Accuracy:	specific area	
UTM:	Zone-10 N4308435 E706477		Elevation (ft):	4260	
PLSS:	T12N, R12E, Sec. 10, SE (M)		Acres:	1.0	
Location:	BALLARD CANYON; 0.8 AIR MILE WEST OF STUMPY MEADOWS LAKE.				
Detailed Location:	MAPPED ACCORDING TO 2016 POORE COORDINATES, IN THE NW 1/4 OF THE SE 1/4 OF SECTION 10.				
Ecological:	FOUND IN A DRY FLAT AREA ADJACENT TO A TRIBUTARY OF PILOT CREEK. ASSOCIATED SPECIES INCLUDE VIOLA GLABELLA, LYSIMACHIA LATIFOLIA, AND GAULTHERIA OVATIFOLIA.				
General:	8 PLANTS OBSERVED IN 2016.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	18	Map Index: B0174	EO Index: 112033	Element Last Seen:	2017-07-06
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2017-07-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.90539 / -120.63596		Accuracy:	specific area	
UTM:	Zone-10 N4308935 E704991		Elevation (ft):	4240	
PLSS:	T12N, R12E, Sec. 9, NE (M)		Acres:	1.0	
Location:	JUST NORTH OF WENTWORTH SPRINGS ROAD, ~1.69 AIR MILES WEST OF STUMPY MEADOWS RESERVOIR.				
Detailed Location:	MAPPED ACCORDING TO 2017 HENWOOD COORDINATES, IN THE SW 1/4 OF THE NE 1/4 OF SECTION 9.				
Ecological:	PLANTS ARE GROWING IN A MOIST TRANSITION ZONE OF A DUFFY MOSSY CREEK WITHIN A MIXED CONIFER FOREST WITH LINNAEA BOREALIS, LISTERA CONVALLARIOIDES, AND CAREX SP. 100% CANOPY, FLAT.				
General:	3 PLANTS OBSERVED IN 2017. SURROUNDING AREA WAS SURVEYED, BUT NO ADDITIONAL PLANTS WERE OBSERVED.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	19	Map Index: B0175	EO Index: 112034	Element Last Seen:	2016-06-15
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2016-06-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.91385 / -120.64723		Accuracy:	specific area	
UTM:	Zone-10 N4309848 E703990		Elevation (ft):	4040	
PLSS:	T12N, R12E, Sec. 4, SW (M)		Acres:	1.0	
Location:	MUTTON CANYON, 0.56 AIR MILE NORTH OF WENTWORTH SPRINGS ROAD, EAST OF BLODGETT EXPERIMENTAL FOREST AREA.				
Detailed Location:	MAPPED ACCORDING TO 2016 TIESEN COORDINATES, IN THE WEST 1/2 OF THE SW 1/4 OF SECTION 4.				
Ecological:	OBSERVED AT AN OLD CROSSING LOCATION.				
General:	3 PLANTS OBSERVED IN 2016.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	20	Map Index: B0176	EO Index: 112035	Element Last Seen:	2016-06-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-06-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30

Quad Summary: Tunnel Hill (3812086)

County Summary: El Dorado

Lat/Long:	38.92752 / -120.65453	Accuracy:	specific area
UTM:	Zone-10 N4311349 E703318	Elevation (ft):	3830
PLSS:	T13N, R12E, Sec. 32, SE (M)	Acres:	1.0

Location: ALONG AN UNNAMED 4WD ROAD 1.37 AIR MILES SOUTH OF THE RUBICON RIVER AND 1.48 AIR MILES NORTH OF WENTWORTH SPRINGS ROAD.

Detailed Location: MAPPED ACCORDING TO 2016 TIESEN COORDINATES, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 32.

Ecological: PLANTS WERE OBSERVED GROWING ALONG THE FLAT ROAD EDGE IN A WET SEEPY AREA UNDER 20% CANOPY COVER. ASSOCIATED WITH GEUM MACROPHYLLUM, RUMEX ACETOSELLA, CALOCEDRUS DECURRENS, LILIUM PARDALINUM, BOYKINIA OCCIDENTALIS, DICENTRA, ETC.

General: 26+ PLANTS OBSERVED IN 2016.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	21	Map Index: B0177	EO Index: 112036	Element Last Seen:	2016-05-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-05-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30

Quad Summary: Tunnel Hill (3812086)

County Summary: El Dorado

Lat/Long:	38.93785 / -120.6876	Accuracy:	specific area
UTM:	Zone-10 N4312422 E700421	Elevation (ft):	3450
PLSS:	T13N, R12E, Sec. 31, NW (M)	Acres:	4.0

Location: TRIBUTARY OF PILOT CREEK, 1 AIR MILE EAST OF TUNNEL HILL ROAD, NW END OF DITCH CAMP POINT, WEST OF PEAVINE POINT.

Detailed Location: MAPPED AS 2 POLYGONS ACCORDING TO 2016 POORE COORDINATES, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 31.

Ecological: PLANTS FOUND IN FLAT AREAS WITHIN RIPARIAN HABITAT ALONG A SHADED TRIBUTARY OF PILOT CREEK. CANOPY COVER UP TO 80%. ASSOCIATED WITH ADENOCAULON BICOLOR, LYSIMACHIA LATIFOLIA, VIOLA GLABELLA, ROSA CALIFORNICUM, CORNUS NUTTALLII, ETC.

General: 39 PLANTS OBSERVED IN 2016.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	22	Map Index: B0178	EO Index: 112037	Element Last Seen:	2016-06-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2016-06-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-07-30

Quad Summary: Tunnel Hill (3812086)

County Summary: El Dorado

Lat/Long:	38.94581 / -120.69494	Accuracy:	specific area
UTM:	Zone-10 N4313290 E699763	Elevation (ft):	3685
PLSS:	T13N, R11E, Sec. 25, SE (M)	Acres:	1.0

Location: 0.46 AIR MILE EAST OF TUNNEL HILL ROAD AND 0.61 AIR MILE WEST OF PILOT CREEK, TUNNEL HILL.

Detailed Location: MAPPED ACCORDING TO 2016 HENWOOD COORDINATES, IN THE NW 1/4 OF THE SE 1/4 OF SECTION 25.

Ecological: PLANTS OBSERVED ON THE ROAD EDGE AND ADJACENT TO A TRIBUTARY OF PILOT CREEK. UNDER 75% CANOPY COVER, ON FLAT GROUND AWAY FROM THE WATERS EDGE. ASSOCIATED WITH ACER MACROPHYLLUM, RUBUS URSINUS, CAREX MULTICAULIS, AND CORYLUS CORNUTA.

General: 51 PLANTS OBSERVED IN 2016.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	28	Map Index: B0248	EO Index: 112106	Element Last Seen:	2016-06-30
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-02

Quad Summary: Devil Peak (3812085)

County Summary: El Dorado

Lat/Long:	38.90089 / -120.52292	Accuracy:	80 meters
UTM:	Zone-10 N4308695 E714808	Elevation (ft):	4570
PLSS:	T12N, R13E, Sec. 9, SE (M)	Acres:	5.0

Location: 5 MILES EAST OF THE DAM AT STUMPY MEADOWS RESERVOIR, SPRING TRIBUTARY TO PILOT CREEK.

Detailed Location: MAPPED BY CNDDDB ACCORDING TO COORDINATES PROVIDED ON CALPHOTOS, IN THE NW 1/4 OF THE SE 1/4 OF SECTION 9.

Ecological:

General: SITE IS BASED ON 2016 TAYLOR PHOTOS.

Owner/Manager: UNKNOWN



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<i>Rhynchospora capitellata</i>		Element Code: PMCYP0N080	
brownish beaked-rush			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G5
	State: None		State: S1
	Other: Rare Plant Rank - 2B.2		
Habitat:	General: LOWER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS, MARSHES AND SWAMPS, UPPER MONTANE CONIFEROUS FOREST.		
	Micro: MESIC SITES. 45-1710 M.		

Occurrence No.	16	Map Index: 70593	EO Index: 71503	Element Last Seen:	2006-07-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2006-07-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-12-11
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.86472 / -120.57916		Accuracy:	80 meters	
UTM:	Zone-10 N4304549 E710036		Elevation (ft):	4458	
PLSS:	T12N, R12E, Sec. 25, NE (M)		Acres:	0.0	
Location:	KINGS MEADOW, NEAR HEADWATERS OF SLAB CREEK.				
Detailed Location:	IN THE NE 1/4 OF THE NE 1/4 OF SECTION 25.				
Ecological:	OPEN, FLAG, SOGGY MEADOW SURROUNDED BY MIXED CONIFER FOREST OF LODGEPOLE PINE, WHITE FIR, DOUGLAS-FIR, INCENSE CEDAR.				
General:	ABUNDANT IN 2006.				
Owner/Manager:	USFS-ELDORADO NF				

Occurrence No.	21	Map Index: B2029	EO Index: 113953	Element Last Seen:	1974-09-19
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1974-09-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2019-01-18
Quad Summary:	Devil Peak (3812085), Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.922 / -120.62649		Accuracy:	2/5 mile	
UTM:	Zone-10 N4310799 E705764		Elevation (ft):	4250	
PLSS:	T12N, R12E, Sec. 3, NW (M)		Acres:	280.0	
Location:	BACCHI MEADOW, UC BLODGETT FOREST RESEARCH STATION, SIERRA NEVADA MOUNTAINS.				
Detailed Location:	EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB AROUND THE MEADOW AT BACCHI RANCH, WHICH MATCHES GIVEN ELEVATION OF 4250 FT. THIS IS JUST NORTHEAST OF THE BLODGETT EXPERIMENTAL FOREST BOUNDARY ON TOPO MAP.				
Ecological:	OPEN MARSHY GROUND.				
General:	ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1974 RUBTZOFF COLLECTION. NEEDS FIELDWORK.				
Owner/Manager:	UNKNOWN				

<i>Calochortus clavatus var. avius</i>		Element Code: PMLI0D095	
Pleasant Valley mariposa-lily			
Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G4T2
	State: None		State: S2
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive, USFS_S-Sensitive		
Habitat:	General: LOWER MONTANE CONIFEROUS FOREST.		
	Micro: JOSEPHINE SILT LOAM AND VOLCANICALLY DERIVED SOIL; OFTEN IN ROCKY AREAS. 300-1710 M.		



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Occurrence No.	2	Map Index: 13159	EO Index: 22184	Element Last Seen:	2003-05-26
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-05-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27
Quad Summary:	Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.70866 / -120.62090		Accuracy:	specific area	
UTM:	Zone-10 N4287134 E706865		Elevation (ft):	2920	
PLSS:	T10N, R12E, Sec. 23, NE (M)		Acres:	10.6	
Location:	NORTH OF CLEAR CREEK RD, APPROXIMATELY 3.5 AIR MILES SE OF CAMINO.				
Detailed Location:	USFS POPULATION #03-2. SW1/4 OF NE1/4 SEC 23.				
Ecological:	IN A MATURE PONDEROSA PINE FOREST WITH BLACK OAK, INCENSE CEDAR, AND SUGAR PINE. UNDERSTORY INCLUDES CHAMAEBATIA, TOXICODENDRON, ET AL. MARIPOSA-JOSEPHINE VERY ROCKY SILT LOAM WITH SLATE OUTCROPS. OFTEN SEEN IN OUTCROPS.				
General:	18 PLANTS SEEN IN 1979, NOT FOUND IN 1982, 5 SEEN IN 1983, NONE SEEN IN 1985, 2 PLANTS SEEN IN 1986, 1 SEEN IN 1989, 44 SEEN IN 1995, 20 VEGETATIVE PLANTS SEEN IN 2003.				
Owner/Manager:	PVT				
Occurrence No.	3	Map Index: 13144	EO Index: 5998	Element Last Seen:	1989-07-07
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	1989-07-07
Occ. Type:	Natural/Native occurrence		Trend: Decreasing	Record Last Updated:	2014-11-19
Quad Summary:	Camino (3812066)				
County Summary:	El Dorado				
Lat/Long:	38.73548 / -120.63101		Accuracy:	specific area	
UTM:	Zone-10 N4290088 E705909		Elevation (ft):	2840	
PLSS:	T10N, R12E, Sec. 10, NE (M)		Acres:	8.9	
Location:	JUST ABOVE THE N FORK WEBBER CREEK, APPROXIMATELY 3 AIR MI E OF CAMINO.				
Detailed Location:	SOUTH OF HIGHWAY 50 ALONG EIGHT MILE ROAD, EAST OF TWO SMALL PONDS IN SE 1/4 OF NE 1/4 OF SECTION 10. USFS POPULATION #03-1. SEVERAL COLLECTIONS FROM ROBBINS IN THE 1940S FROM "~3 MI E OF CAMINO" ALSO ATTRIBUTED TO THIS SITE.				
Ecological:	LOWER MONTANE CONIFEROUS FOREST ON MARIPOSA GRAVELLY SILT LOAM. WITH PINUS PONDEROSA, QUERCUS KELLOGGII, CALOEDRUS, PSEUDOTSUGA, ARCTOSTAPHYLOS, CEANOTHUS INTEGERRIMUS, AVENA, BRODIAEA, CHAMAEBATIA, CHLOROGALUM, CYNOSURUS, GALIUM, ET AL.				
General:	1 PLANT IN 1943; 2-3 DOZEN IN 1944; UNK # IN 1945; 20+ DRY STALKS W/ PODS IN 1982; 40-50 IN 1983. FOLLOWING HOUSE CONSTRUCTION, NONE SEEN W/ BINOCULARS IN 1986. 2 IN 1989; IT APPEARS THAT THE REST OF THE POP ELIMINATED BY HOUSE/DRIVEWAY.				
Owner/Manager:	PVT				



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Occurrence No.	4	Map Index:	13210	EO Index:	22172	Element Last Seen:	2001-04-24
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2001-04-24	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-06-27	
Quad Summary:	Sly Park (3812065)						
County Summary:	El Dorado						
Lat/Long:	38.70508 / -120.59182			Accuracy:	specific area		
UTM:	Zone-10 N4286802 E709405			Elevation (ft):	3200		
PLSS:	T10N, R13E, Sec. 19, NW (M)			Acres:	10.0		
Location:	200 FEET ABOVE SLY PARK CREEK, ABOUT 0.5 AIR MILE SSE OF SLY PARK GUARD STATION.						
Detailed Location:	MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SW 1/4 OF THE NW 1/4 OF SECTION 19.						
Ecological:	ON SHALLOW SOILS OF MARIPOSA VERY ROCKY SILT LOAM OVERLYING SLATE. OAK/PINE WOODLAND OVERSTORY, UNDERSTORY OF ARCTOSTAPHYLOS, CHAMAEBATIA, TOXICODENDRON, DICHELOSTEMMA, ASCLEPIAS, QUERCUS SPP., MONARDELLA, IRIS, AND ANNUAL GRASSES.						
General:	FEWER THAN 107 PLANTS SEEN IN 1983. 222 PLANTS OBSERVED IN 2001.						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	5	Map Index:	13439	EO Index:	5755	Element Last Seen:	2011-07-30
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2011-07-30	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-07-07	
Quad Summary:	Caldor (3812054)						
County Summary:	El Dorado						
Lat/Long:	38.54169 / -120.46834			Accuracy:	specific area		
UTM:	Zone-10 N4268958 E720644			Elevation (ft):	4600		
PLSS:	T08N, R14E, Sec. 18, S (M)			Acres:	144.0		
Location:	FROM JUST EAST OF OREGON GULCH SOUTHEAST TO NEAR THE INTERSECTION OF OMO RANCH RD & PIPI RD., BARNEY RIDGE.						
Detailed Location:	SEVERAL COLONIES SCATTERD ALONG OMO RANCH ROAD (8N64). USFS POPULATION #S 03-05, 03-06, 03-26, 03-29, 03-124. EO #94 MAY BE PART OF THIS OCCURRENCE; NEED SURVEY DATA FOR PORTIONS OF OMO RANCH RD SEPARATING EO #S 5 & 94.						
Ecological:	LOWER MONTANE CONIFEROUS FOREST. COBBLY ANDESITIC OPENING AMONG PONDEROSA PINES, BLACK OAKS, CEDARS, & BEAR CLOVER. OTHER ASSOCIATES INCLUDING ASCLEPIAS CORDIFOLIA, BROMUS TECTORUM, CEANOTHUS INTEGERRIMUS, CHAMAEBATIA FOLIOLOSA, ETC.						
General:	41 PLANTS SEEN IN 1984, >150 PLANTS IN 1986, ~500 IN 1989. PORTIONS OF THIS EO ALSO SEEN IN 1990 (2 PLANTS), 1992 (115 PLANTS), 1995, 1997, 2001 (630 PLANTS), 2002 (198 PLANTS), 2003 (12 PLANTS), 2006 (22 PLANTS), 2007 (4 PLANTS) & 2011.						
Owner/Manager:	USFS-ELDORADO NF, PVT						



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Occurrence No.	6	Map Index:	13465	EO Index:	20897	Element Last Seen:	2012-07-09
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2012-07-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-07-06	

Quad Summary: Caldor (3812054)

County Summary: El Dorado

Lat/Long:	38.60877 / -120.45219	Accuracy:	specific area
UTM:	Zone-10 N4276442 E721845	Elevation (ft):	4750
PLSS:	T09N, R14E, Sec. 29, NW (M)	Acres:	7.0

Location: ON ROAD FROM GRIZZLY FLAT TO CALDOR, 0.2 MI PAST JUNCTION MARKED "PLUMMER RIDGE GUARD STATION".

Detailed Location: ALONG BOTH SIDES OF FOREST ROAD 9N73.3, ABOUT 300 METERS EAST OF JUNCTION WITH 9N16. MAPPED BY CNDDDB BASED ON A 1989 POLLAK MAP AND USFS DIGITAL DATA SUBMITTED IN 2014. USFS POPULATION #03-7.

Ecological: IN OPENING AMONG CALOCEDRUS DECURRENS, QUERCUS KELLOGGII, AND PINUS PONDEROSA. MODERATELY SLOPING, SOUTH-FACING AREA COVERED WITH CHAMAEBATIA. LAVA CAP WITH 10 INCHES OF SOIL ON TOP.

General: 10 PLANTS SEEN IN 1985, 14 PLANTS IN 1986, 52 PLANTS IN 1989, 11 PLANTS IN 2012. AREA PREVIOUSLY BURNED.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	7	Map Index:	13471	EO Index:	5793	Element Last Seen:	1989-06-28
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2013-05-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-06-27	

Quad Summary: Caldor (3812054)

County Summary: El Dorado

Lat/Long:	38.59423 / -120.44986	Accuracy:	specific area
UTM:	Zone-10 N4274834 E722093	Elevation (ft):	4733
PLSS:	T09N, R14E, Sec. 32, NE (M)	Acres:	13.2

Location: 1.1 MILE SOUTH OF CALDOR ON NORTH-SOUTH ROAD.

Detailed Location: ALONG THE NORTH SIDE OF 10N83.2 ABOUT 600 M (BY ROAD) SE OF 9N56. MAPPED ACCORDING TO A 1989 POLLAK MAP. USFS POPULATION #03-8.

Ecological: ON SOUTH SLOPE IN OPEN AREA AMONG PINUS PONDEROSA, QUERCUS KELLOGGII, CALOCEDRUS, AND SPARSE CHAMAEBATIA. LAVA CAP WITH THIN OVERLYING SOIL LAYER.

General: BURNT STUMPS INDICATE PREVIOUS FIRE. 6 PLANTS IN 1985, 2-4 PLANTS IN 1986, BUT SOME PLANTS MAY HAVE BEEN DUG UP LATER IN THE YEAR. 9 PLANTS SEEN IN 1989. NO PLANTS OBSERVED IN 2012 & 2013.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	8	Map Index: 13384	EO Index: 5792	Element Last Seen:	2015-10-27
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-10-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-05
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.59585 / -120.48758		Accuracy:	specific area	
UTM:	Zone-10 N4274923 E718803		Elevation (ft):	4200	
PLSS:	T09N, R13E, Sec. 36, N (M)		Acres:	31.0	
Location:	BOTH SIDES OF DOGTOWN CREEK NEAR CONFLUENCE WITH MIDDLE DRY CREEK, SW OF PLUMMER RIDGE.				
Detailed Location:	USFS POPULATION #S 03-9, 03-10, 03-68, 03-95. MAPPED BY CNDDDB AS 11 POLYGONS IN THE NORTH 1/2 OF SECTION 36 AND THE SE 1/4 OF THE SE 1/4 OF SECTION 25. ONGOING PROBLEM WITH ORV ACTIVITY DUE TO NEARBY RIVER ACCESS.				
Ecological:	SOUTH/SOUTHWEST-FACING SLOPES OF ROCKY OUTCROPS ALSO IN ROCK CREVICES. ASSOCIATED WITH PINUS PONDEROSA, QUERCUS, CALOEDRUS, ARCTOSTAPHYLOS VISCIDA, PRUNUS, ETC. SOIL IS GRANITIC WITH COARSE SANDY LOAM.				
General:	POPULATION NUMBERS FOR PORTIONS OF SITE: 78 PLANTS IN 1986, 209 IN 1989, TWO NEW COLONIES IN 1991 AND 1992 WITH 14 PLANTS AND 70 PLANTS RESPECTIVELY, 613 IN 2010, 130 IN 2012, 500 IN 2013, 51 IN 2015. INCLUDES FORMER OCCURRENCE #9.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	10	Map Index: 13418	EO Index: 21979	Element Last Seen:	2013-09-04
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2013-09-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.6409 / -120.48067		Accuracy:	specific area	
UTM:	Zone-10 N4279939 E719268		Elevation (ft):	4700	
PLSS:	T09N, R13E, Sec. 13, NE (M)		Acres:	10.0	
Location:	BETWEEN LONG CANYON AND BIG CANYON ABOUT 0.5 MILE EAST OF CONFLUENCE.				
Detailed Location:	ALONG 9N47.1 ABOUT 0.5 MILE SOUTH OF 9N47.2. MAPPED AS 2 POLYGONS BY CNDDDB. USFS POPULATION #03-11 & #03-141.				
Ecological:	IN OPENING IN MATURE PINUS PONDEROSA, QUERCUS KELLOGGII, AND CALOEDRUS WITH YOUNG PSEUDOTSUGA. PLANTS ARE GROWING ON THE EDGES OF A COBBLY ANDESITIC OPENING WITH CHAMAEBATIA COVERING GROUND.				
General:	EAST POLYGON: 5 IN 1985, 13 IN 1986 (WIDELY SCATTERED), 37 IN 1989, NONE FOUND IN 2004 & 2005; SITE IS OUTSIDE OF CUT UNIT OF TIMBER SALE AND HAS BEEN FLAGGED FOR PROTECTION. WEST POLYGON: 15 IN 2013.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	11	Map Index:	13533	EO Index:	6809	Element Last Seen:	1989-06-23
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2004-07-26	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-06-27	
Quad Summary:	Old Iron Mountain (3812064)						
County Summary:	El Dorado						
Lat/Long:	38.69681 / -120.42258			Accuracy:	80 meters		
UTM:	Zone-10 N4286285 E724149			Elevation (ft):	5120		
PLSS:	T10N, R14E, Sec. 28, NE (M)			Acres:	0.0		
Location:	NEAR ROAD NORTH OF LITTLE PEBBLE CANYON.						
Detailed Location:	BOTH SIDES OF 10N58, ABOUT 0.1 MI NW OF THE CANYON CROSSING. ON PEBBLE TIMBER SALE AT SOUTHEAST CORNER OF CUT UNIT 11. USFS POPULATION #03-12.						
Ecological:	ON SOUTH-FACING SLOPE IN VOLCANICALLY DERIVED SOILS. ROCKY AREA WITH PSEUDOTSUGA, CALOCEDRUS, QUERCUS KELLOGGII, AND CHAMAEBATIA.						
General:	2 PLANTS SEEN IN 1985, 17 PLANTS IN 1986, AND 19 PLANTS OBSERVED IN 1989. NO PLANTS FOUND IN 2004.						
Owner/Manager:	USFS-ELDORADO NF						

Occurrence No.	13	Map Index:	13442	EO Index:	5794	Element Last Seen:	2012-07-17
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2012-07-17	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-07-01	
Quad Summary:	Caldor (3812054)						
County Summary:	El Dorado						
Lat/Long:	38.60093 / -120.46023			Accuracy:	specific area		
UTM:	Zone-10 N4275553 E721170			Elevation (ft):	4300		
PLSS:	T09N, R14E, Sec. 30, E (M)			Acres:	26.0		
Location:	NORTH OF DOGTOWN CREEK, SOUTH OF PLUMMER RIDGE, APPROXIMATELY 2 AIR MILES WSW OF CALDOR.						
Detailed Location:	MAPPED AS 3 POLYGONS BASED ON USFS DIGITAL DATA, IN THE EAST HALF OF SECTION 30 AND THE SW 1/4 SECTION 29. N POLYGON: USFS POPULATION #03-91. S POLYGONS: USFS POPULATION #03-14.						
Ecological:	N POLY: GROWING IN PATCHY, GRASSY OPENINGS W/ PONDEROSA PINE, INCENSE CEDAR, MANZANITA, BEAR CLOVER, ETC. S POLY: JUST ABOVE RIPARIAN ZONE WITH GRANITE BOULDERS OVERLAIN BY REDDISH SOIL (COHASSET?); ASSOCIATES INCLUDE CLARKIA AND LESSINGIA.						
General:	N POLYGON: 12 PLANTS SEEN IN 1992 (SITE FLAGGED), NO PLANTS SEEN IN 2012. SW POLYGON: 4 PLANTS SEEN IN 1986, NOT FLAGGED IN 1986. SE POLYGON: 7 PLANTS SEEN IN 1986, 8 PLANTS IN 2012. INCLUDES FORMER EO #32.						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	15	Map Index: 25457	EO Index: 5812	Element Last Seen:	2015-05-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-05-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-28
Quad Summary:	Peddler Hill (3812053), Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.61349 / -120.37556		Accuracy:	specific area	
UTM:	Zone-10 N4277154 E728504		Elevation (ft):	5400	
PLSS:	T09N, R14E, Sec. 24, S (M)		Acres:	23.0	
Location:	0.7 AIR MILE NORTH OF BIG MOUNTAIN RIDGE ON NORTH SIDE OF MCKINNEY CREEK, 4.7 AIR MILE NORTH OF HAMS STATION.				
Detailed Location:	ALONG USFS ROAD 9N34B ABOUT 1 MILE SOUTHWEST OF JUNCTION WITH 9N91. USFS POPULATION #03-72.				
Ecological:	VARIED HABITAT WITH MANY OPEN AREAS. PLANTS CLUSTERED IN OPEN AREAS WITH BEAR CLOVER WITHIN MIXED CONIFER FOREST. SOUTHERN ASPECT. MCCARTHY GRAVELLY SANDY LOAM SOIL.				
General:	70 PLANTS OBSERVED IN LATE SUMMER OF 1991, MORE PLANTS WOULD PROBABLY BE SEEN EARLIER IN THE YEAR. AREA HAS BEEN FLAGGED. 28 PLANTS OBSERVED IN 2002. 66 PLANTS OBSERVED AT WEST END OF SITE IN 2015.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	24	Map Index: 25481	EO Index: 5796	Element Last Seen:	2001-07-12
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-07-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.62086 / -120.39310		Accuracy:	80 meters	
UTM:	Zone-10 N4277928 E726953		Elevation (ft):	5280	
PLSS:	T09N, R14E, Sec. 23, NE (M)		Acres:	0.0	
Location:	NEAR END OF 9N37 ALONG HEADWATERS OF DOGTOWN CREEK, 1.8 AIR MILES ENE OF CALDOR RANGER STATION.				
Detailed Location:	USFS POPULATION #03-84. MAPPED ACCORDING TO A 1992 HANGAARD MAP, IN THE WEST 1/2 OF THE NE 1/4 OF SECTION 23.				
Ecological:	OPENINGS WITHIN PINUS PONDEROSA AND CALOCEDRUS THICKETS. FOUND IN COBBLY ROCK OPENINGS IN CHAMAEBATIA GROUNDCOVER. OTHER ASSOCIATES INCLUDE ARCTOSTAPHYLOS PATULA, CEANOTHUS INTEGERRIMUS, BRODIAEA, AND FRITILLARIA.				
General:	5 PLANTS SEEN IN BUD IN 1992. HERBICIDE APPLICATION WAS PLANNED IN 1992; SITE WAS TO BE MONITORED AFTER SPRAYING. 14 PLANTS OBSERVED IN 2001.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	25	Map Index: 25975	EO Index: 5251	Element Last Seen:	1990-06-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2002-05-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27

Quad Summary: Caldor (3812054)

County Summary: El Dorado

Lat/Long:	38.61602 / -120.39087	Accuracy:	80 meters
UTM:	Zone-10 N4277397 E727162	Elevation (ft):	5280
PLSS:	T09N, R14E, Sec. 23, SE (M)	Acres:	0.0

Location: WEST SIDE OF RIDGE SEPARATING DOGTOWN CREEK AND MCKINNEY CREEK, 2 AIR MILES ENE OF CALDOR RANGER STATION.

Detailed Location: UNSURE IF THIS IS A CONTINUOUS POPULATION WITH EO #95 TO THE EAST OR IF THIS IS A DISTINCT OCCURRENCE; 1990 GIBSON & NIELSEN MAP IS UNCLEAR.

Ecological: OPENING IN WESTSIDE PONDEROSA PINE FOREST. DOMINANTS INCLUDE PSEUDOTSUGA, CHAMAEBATIA, CALOCEDRUS, CLARKIA, AND ERIOPHYLLUM. ASSOCIATED WITH BRODIAEA, CALOCHORTUS LEICHTLINII, AND VIOLA. MCCARTHY GRAVELLY SANDY LOAMS.

General: 129 PLANTS SEEN IN 1990 BETWEEN THIS AND EO #95. SITE HAS BEEN FLAGGED TO REDUCE LOGGING IMPACTS. NO PLANTS FOUND IN 2002.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	26	Map Index: 25480	EO Index: 5795	Element Last Seen:	1992-07-09
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2002-06-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27

Quad Summary: Caldor (3812054)

County Summary: El Dorado

Lat/Long:	38.61484 / -120.41783	Accuracy:	80 meters
UTM:	Zone-10 N4277199 E724818	Elevation (ft):	5000
PLSS:	T09N, R14E, Sec. 22, SW (M)	Acres:	0.0

Location: ALONG 9N31Y, 0.5 MILE NORTHEAST OF CALDOR RANGER STATION, NORTH OF DOGTOWN CREEK.

Detailed Location: 1.2 MILES DOWN 9N31Y, SITE IS ABOUT 200 YDS WNW OF THE ROAD JUST ABOVE LARGE COBBLY ROCK OPENING. USFS POPULATION #03-90.

Ecological: GROWING MID-SLOPE ON ROCKY SOUTHWEST FACING SPUR WITHN OPENINGS IN PINUS PONDEROSA, CALOCEDRUS, AND QUERCUS KELLOGGII. SPARSE CHAMAEBATIA, STIPA, CLARKIA, MONARDELLA, AND GALIUM. MCCARTHY GRAVELLY SANDY LOAM.

General: 14 PLANTS SEEN IN 1992; SITE HAS BEEN FLAGGED. NO PLANTS OBSERVED IN 2002.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	27	Map Index: 25485	EO Index: 5786	Element Last Seen:	2010-07-30
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2010-07-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.58396 / -120.40004		Accuracy:	specific area	
UTM:	Zone-10 N4273815 E726465		Elevation (ft):	5040	
PLSS:	T09N, R14E, Sec. 35, SW (M)		Acres:	12.5	
Location:	NORTH SIDE OF MIDDLE DRY CREEK 2 AIR MILES SOUTHEAST OF CALDOR RANGER STATION, BIG MOUNTAIN RIDGE.				
Detailed Location:	FOUND ALONG 9N50, NORTH OF THE "F" SPUR. USFS POPULATION #03-83.				
Ecological:	GROWING MIDSLOPE WITHIN OPENINGS IN PINUS PONDEROSA, CALOCEDRUS, AND QUERCUS KELLOGGII. ASSOCIATED WITH CHAMAEBATIA, STIPA, CLARKIA, MONARDELLA, COLLINSIA, AND CHLOROGALUM. MCCARTHY LEDMOUNT SOILS.				
General:	34 PLANTS SEEN IN 1992. SELECTIVE LOGGING OCCURRED IN THE AREA PRIOR TO ~1982, ONLY 2 SKID TRAILS NOW APPARENT; SITE IS NOW FLAGGED. 20 PLANTS OBSERVED IN 2010.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	28	Map Index: 25484	EO Index: 5787	Element Last Seen:	2015-10-27
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-10-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-07
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.58187 / -120.412		Accuracy:	specific area	
UTM:	Zone-10 N4273554 E725429		Elevation (ft):	4900	
PLSS:	T09N, R14E, Sec. 34, S (M)		Acres:	62.0	
Location:	NORTH SIDE OF MIDDLE DRY CREEK ABOUT 2 AIR MILES SOUTHEAST OF TOWN OF CALDOR, BIG MOUNTAIN RIDGE.				
Detailed Location:	ALONG EITHER SIDE OF 9N50 WEST OF JUNCTION WITH 9N50B. MAPPED AS 2 POLYGONS BY CNDDDB. USFS POPULATION #31 & #41.				
Ecological:	WESTSIDE PONDEROSA PINE FOREST UPSLOPE GRADING INTO SIERRAN MIXED CONIFER FOREST DOWNSLOPE. ASSOCIATED WITH PINUS PONDEROSA, P. LAMBERTIANA, CALOCEDRUS, QUERCUS KELLOGGII, Q. CHRYSOLEPIS, ABIES CONCOLOR, PSEUDOTSUGA, CORNUS NUTTALLII.				
General:	SE POLYGON: 7 PLANTS SEEN IN 1989, 6 IN 2009. NW POLYGON: 138 (MAY) AND 261 (JUNE) PLANTS SEEN IN 1990, 45+ PLANTS IN 2010, 30 PLANTS IN 2012, 313 PLANTS IN 2015.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	29	Map Index: 25483	EO Index: 5788	Element Last Seen:	2015-10-27
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-10-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-07

Quad Summary: Caldor (3812054)

County Summary: El Dorado

Lat/Long:	38.5816 / -120.44342	Accuracy:	specific area
UTM:	Zone-10 N4273448 E722693	Elevation (ft):	4700
PLSS:	T09N, R14E, Sec. 32, SE (M)	Acres:	21.0

Location: ALONG RIDGETOP SOUTH OF ELKINS FLAT AND WEST OF CROFT, ABOUT 1.7 AIR MILES SOUTH OF CALDOR (TOWN), BIG MOUNTAIN RIDGE.

Detailed Location: ALONG FOREST ROAD 8N49. MAPPED AS 5 POLYGONS BY CNDDDB BASED ON 1990 ROBERTS MAPS AND USFS DIGITAL DATA. USFS POPULATION #38 AND #39.

Ecological: ALONG A SOUTH-FACING RIDGE WITHIN MIXED CONIFER FOREST/OAK WOODLAND. OPEN AREA WITH CHAMAEBATIA. LAVA CAP WITH GRAYISH SOIL. BROMUS IN LAVA CAP AREA.

General: POP #S FOR PORTIONS OF SITE: 230+ PLANTS IN 1990, 215 IN 2010, 16+ IN 2012, 250 IN 2013, 251 IN 2015. AREA HAS BEEN FLAGGED. SITE WAS PART OF 2015 POLKA DOT ENDURO ROUTE BUT THERE WERE NO EFFECTS FROM RACE. INCLUDES FORMER OCCURRENCE #30.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	31	Map Index: 25486	EO Index: 5790	Element Last Seen:	2013-11-04
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2013-11-04
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-05

Quad Summary: Caldor (3812054)

County Summary: El Dorado

Lat/Long:	38.57637 / -120.4535	Accuracy:	specific area
UTM:	Zone-10 N4272843 E721831	Elevation (ft):	4400
PLSS:	T08N, R14E, Sec. 5, NW (M)	Acres:	3.0

Location: SOUTH OF JUNCTION OF 8N58 AND 8N58C ABOUT 1.3 AIR MILES NORTH OF FIVE CORNERS, BIG MOUNTAIN RIDGE.

Detailed Location: BOTH SIDES OF 8N58, ABOUT 1 AIR MILE NW OF PIPI CAMPGROUND. MAPPED AS 4 POLYGONS BY CNDDDB BASED ON USFS DIGITAL DATA. USFS POPULATION #03-82.

Ecological: SIERRAN MIXED CONIFER FOREST. ASSOCIATED WITH QUERCUS KELLOGGII, PINUS PONDEROSA, AND CALOCEDRUS CANOPY AND CHAMABAETIA, ARCTOSTAPHYLOS VISCIDA, A. PATULA, STIPA, BROMUS, CYNOSURUS, ASCLEPIAS, NAVARRETIA, COLLOMIA, AND DICHELOSTEMMA BELOW.

General: 110 PLANTS IN 1990, 215 PLANTS SEEN IN 1992 (200 PLANTS ABOVE THE ROAD, 15 PLANTS BELOW THE ROAD). AREA HAS BEEN FLAGGED. 97 PLANTS SEEN IN 2009 AND 219+ PLANTS SEEN IN 2013.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	33	Map Index: 25477	EO Index: 5982	Element Last Seen:	2012-06-27
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2012-06-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.62205 / -120.46356		Accuracy:	specific area	
UTM:	Zone-10 N4277888 E720814		Elevation (ft):	4760	
PLSS:	T09N, R14E, Sec. 19, NE (M)		Acres:	5.9	
Location:	ALONG 9N49 ABOUT 100 M EAST OF 9N86 AND ABOUT 1/2 AIR MI NNE OF JCT OF N STEELY CRK AND S STEELY CRK, 2 MI NW OF CALDOR.				
Detailed Location:	BOTH SIDES OF 9N49 JUST EAST OF 9N86.				
Ecological:	OPEN WESTSIDE PONDEROSA PINE FOREST WITH PATCHY CHAMAEBATIA AND ARCTOSTAPHYLOS ON A SOUTH-FACING SLOPE. OTHER ASSOCIATES INCLUDE QUERCUS KELLOGGII, CALOCEDRUS, ERIOPHYLLUM, BRODIAEA, GAYOPHYTUM, PENSTEMON, STIPA SPP, AND BROMUS.				
General:	32 PLANTS SEEN IN 1990; THE ENTIRE HILLSIDE WHERE THE POPULATION IS FOUND IS EXCELLENT HABITAT, IN ADDITION TO CALOCHORTUS THE AREA HAS A LARGE STIPA COMPONENT. AREA HAS BEEN FLAGGED FOR PROTECTION. 30 PLANTS SEEN IN 2012.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	34	Map Index: 25479	EO Index: 5791	Element Last Seen:	1992-05-21
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1992-05-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-16
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.59623 / -120.49882		Accuracy:	specific area	
UTM:	Zone-10 N4274938 E717822		Elevation (ft):	3850	
PLSS:	T09N, R13E, Sec. 36, NW (M)		Acres:	11.0	
Location:	NORTHEAST OF DOGTOWN CREEK AND ABOUT 0.7 AIR MILE WNW OF CONFLUENCE OF DOGTOWN CREEK AND MIDDLE DRY CREEK.				
Detailed Location:	ABOUT 3 MILES WEST OF CALDOR ON 9N45, 300' PAST THE CATTLE GUARD. PLANTS IN TWO COLONIES, ABOUT 1/4 MILE DOWN THE FIRST MINOR DRAINAGE WEST OF THE CATTLE GUARD. USFS POPULATION #S 03-15 AND 03-79.				
Ecological:	LATER SERAL MIXED CONIFER FOREST INCLUDING PINUS PONDEROSA, P. LAMBERTIANA, CALOCEDRUS, AND QUERCUS KELLOGGII. UNDERSTORY OF SHIN-HIGH ARCTOSTAPHYLOS, BRODIAEA, CLARKIA, AND FRITILLARIA. SOILS ARE JOSEPHINE ROCKY LOAM.				
General:	430 PLANTS OBSERVED IN NORTH POLYGON IN 1989, 19 PLANTS OBSERVED IN SOUTH POLYGON IN 1992. SITE IS A LITTLE UNUSUAL IN THAT IT IS IN A DRAINAGE (S EXPOSURE THOUGH).				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	35	Map Index: 25487	EO Index: 5785	Element Last Seen:	2015-05-12
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-05-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-28
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.56327 / -120.48765		Accuracy:	specific area	
UTM:	Zone-10 N4271307 E718896		Elevation (ft):	4300	
PLSS:	T08N, R13E, Sec. 12, NE (M)		Acres:	2.0	
Location:	TOP OF RIDGE ABOUT 1.7 AIR MILES WEST OF FIVE CORNERS, GOLD NOTE RIDGE.				
Detailed Location:	MAPPED BY CNDDDB AS 2 POLYGONS BASED ON 2015 ELDORADO NF DIGITAL DATA. 1989 HAND-DRAWN MAP SHOWS PLANTS IN SLIGHTLY DIFFERENT LOCATIONS; ASSUMPTION MADE AT CNDDDB THAT 2015 DATA IS MORE PRECISE. USFS POPULATION #19.				
Ecological:	LOWER MONTANE CONIFEROUS FOREST WITH A CANOPY OF PINUS PONDEROSA, CALOCEDRUS, AND QUERCUS KELLOGGII ON OPEN SOUTH-FACING HILLSIDE. ARCTOSTAPHYLOS AND CHAMAEBATIA DOMINATE THE UNDERSTORY. SOILS ARE IRON MOUNTAIN VERY ROCKY SANDY LOAM.				
General:	WEST POLYGON: 1 PLANT SEEN IN 1989, 2 IN 2012, 35 IN 2013, 10 IN 2015. EAST POLYGON: 1 PLANT SEEN IN 1989, 7 IN 2009, NONE IN 2012, 2013 & 2015.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	36	Map Index: 25488	EO Index: 5784	Element Last Seen:	2015-05-12
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2015-05-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-01
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.55544 / -120.4423		Accuracy:	specific area	
UTM:	Zone-10 N4270547 E722871		Elevation (ft):	4650	
PLSS:	T08N, R14E, Sec. 9, SW (M)		Acres:	3.0	
Location:	TOP OF RIDGE ABOUT 0.8 AIR MILE EAST OF FIVE CORNERS ALONG 8N48, GOLD NOTE RIDGE.				
Detailed Location:	SOUTH SIDE OF 8N48, ABOUT 350 METERS EAST OF 8N48A. PLANTS ARE LOCATED 50 METERS SOUTH OF ROAD UNDER OLD BLACK OAK. MAPPED AS 2 POLYGONS FROM 2015 ELDORADO NF DIGITAL DATA IN THE SW 1/4 OF THE SW 1/4 OF SECTION 9. USFS POPULATION #03-30.				
Ecological:	LOWER MONTANE CONIFEROUS FOREST WITH A CANOPY OF QUERCUS KELLOGGII, CALOCEDRUS, AND PINUS PONDEROSA. MODERATE SHRUB LAYER OF CHAMAEBATIA FOLIOLOSA. COBBLY ANDESITIC OPENING WITH COHASSET-MCCARTHY ASSOCIATION SOILS.				
General:	EAST POLYGON: 13 PLANTS OBSERVED IN 1989, 113 PLANTS IN 2005, NONE FOUND IN 2009, 200 IN 2013. WEST POLYGON: ~830 PLANTS ESTIMATED IN 2010, 73 PLANTS OBSERVED IN 2015.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	37	Map Index: 25475	EO Index: 5783	Element Last Seen:	2010-06-15
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2010-06-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-06
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.5473 / -120.43699		Accuracy:	specific area	
UTM:	Zone-10 N4269656 E723360		Elevation (ft):	4700	
PLSS:	T08N, R14E, Sec. 16, N (M)		Acres:	28.0	
Location:	ON RIDGE NORTH OF SAWMILL ALONG SOPIAGO CREEK ABOUT 1.2 AIR MILES SE OF FIVE CORNERS, GOLD NOTE RIDGE.				
Detailed Location:	ALONG USFS ROAD 8N45 AND 8N87. MAPPED AS 4 POLYGONS. USFS POPULATION #03-16.				
Ecological:	LOWER MONTANE CONIFEROUS FOREST WITH QUERCUS SPP. CANOPY. GROWING WITH ARCTOSTAPHYLOS ON RELATIVELY FLAT ANDESITIC COBBLY RIDGETOP AND SOUTH-FACING OPENING. SOILS ARE MCCARTHY-LEDMOUNT ASSOCIATION.				
General:	POPULATION NUMBERS ARE FOR PORTIONS OF SITE: 15 PLANTS SEEN IN 1988, 54 PLANTS SEEN IN TWO MIDDLE POLYGONS IN 1989, 28 PLANTS IN TWO EASTERN POLYGONS IN 2002, NO PLANTS IN 2009, 70 PLANTS IN TWO EASTERN POLYGONS IN 2010.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	38	Map Index: 25489	EO Index: 5782	Element Last Seen:	2002-05-07
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2002-05-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.54794 / -120.42175		Accuracy:	80 meters	
UTM:	Zone-10 N4269764 E724685		Elevation (ft):	4920	
PLSS:	T08N, R14E, Sec. 15, NW (M)		Acres:	0.0	
Location:	ALONG 8N45 ABOUT 2 AIR MILES SE OF FIVE CORNERS, GOLD NOTE RIDGE.				
Detailed Location:	SITE IS ABOUT 2.5 ROAD MILES FROM FIVE CORNERS ON 8N45. NORTH SIDE OF ROAD JUST PAST THE FOREST SERVICE PROPERTY BOUNDARY. USFS POPULATION #03-125.				
Ecological:	MIXED CONIFER FOREST WITH 20% CANOPY OF PINUS PONDEROSA, QUERCUS KELLOGGII, CALOEDRUS, AND P. LAMBERTIANA. ASSOCIATES INCLUDE ZIGADENUS, BRODIAEA, FRITILLARIA, AND ARCTOSTAPHYLOS. SOILS ARE OF THE COHASSET-MCCARTHY ASSOCIATION.				
General:	25 PLANTS SEEN IN 1991, 57 PLANTS IN 1992, 50-100 PLANTS IN 1993. AREA POSTED WITH ONLY A 10' BUFFER. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2002.				
Owner/Manager:	PVT				



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Occurrence No.	39	Map Index: 25490	EO Index: 5781	Element Last Seen:	2006-06-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2006-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.54570 / -120.41541		Accuracy:	80 meters	
UTM:	Zone-10 N4269531 E725245		Elevation (ft):	5040	
PLSS:	T08N, R14E, Sec. 15, NE (M)		Acres:	0.0	
Location:	ALONG 8N45 ABOUT 2.3 AIR MILES SE OF FIVE CORNERS, GOLD NOTE RIDGE.				
Detailed Location:	NORTHWEST ON 8N45 ABOUT 2.75 MILES FROM HWY 88, JUST PAST USFS PROPERTY BOUNDARY. PLANTS ARE ~600' UPSLOPE (SOUTH) FROM THE ROAD. USFS POPULATION #03-89.				
Ecological:	SIERRAN MIXED CONIFER FOREST DOMINATED BY PINUS PONDEROSA, CALOCEDRUS, AND QUERCUS KELLOGGII. MODERATE TO SPARSE PATCHES OF CHAMAEBATIA WITH HERBACEOUS ASSOCIATES FRITILLARIA, STIPA, AND GILIA. SOILS ARE COHASSET-MCCARTHY ASSOCIATION.				
General:	8 PLANTS SEEN IN 1992. 131 PLANTS SEEN IN 2006.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	40	Map Index: 25476	EO Index: 12681	Element Last Seen:	2005-06-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-06-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-10-29
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.53893 / -120.41340		Accuracy:	specific area	
UTM:	Zone-10 N4268785 E725441		Elevation (ft):	4850	
PLSS:	T08N, R14E, Sec. 15, SE (M)		Acres:	41.0	
Location:	RIDGE NORTH OF SOPIAGE CREEK ABOUT 1.6 AIR MILES WSW OF ARMSTRONG HILL LOOKOUT, GOLD NOTE RIDGE.				
Detailed Location:	SW POLY MAPPED ACCORDING TO A 1991 ROHSSLER MAP AND EXTENDED BASED ON A 2005 BRODERICK & ENGSTROM MAP (SPI POP #02210). NE-MOST POLY BASED ON A 2005 ENGSTROM & BRODERICK MAP (SPI POP #062405 C).				
Ecological:	MIXED CONIFER FOREST. PONDEROSA PINE, INCENSE CEDAR, SUGAR PINE, WHITE FIR, BLACK OAK, CHAMAEBATIA FOLIOLOSA, MIMULUS BICOLOR, CYNOSURUS, ERIOPHYLLUM, CLARKIA RHOMBOIDEA, ZIGADENUS, DICHELOSTEMMA. MEHRTEN SOILS. SOUTH ASPECT.				
General:	50 PLANTS SEEN IN 1991; SITE FLAGGED TO PROTECT DURING TIMBER HARVEST OPERATIONS. SW POLY HAD 100 PLANTS IN 2005; NE POLY HAD 10 PLANTS IN 2005.				
Owner/Manager:	PVT				



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Occurrence No.	41	Map Index: 25494	EO Index: 5777	Element Last Seen:	2007-04-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2007-04-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-07
Quad Summary:	Caldor (3812054)				
County Summary:	Amador, El Dorado				
Lat/Long:	38.53083 / -120.42161		Accuracy:	specific area	
UTM:	Zone-10 N4267865 E724751		Elevation (ft):	5000	
PLSS:	T08N, R14E, Sec. 22 (M)		Acres:	10.0	
Location:	NORTH SIDE OF HWY 88 ABOUT 0.95 AIR MILE ENE OF COOKS STATION, ON RIDGE BETWEEN SOPIAGO CREEK AND TIGER CREEK.				
Detailed Location:	200 FEET NORTH OF THE ROAD ON RIDGETOP. EAST POLYGON BASED ON 1991 LESKY MAP; WEST POLYGON BASED ON USFS DIGITAL DATA SUBMITTED IN 2014. BOTH POLYGONS MAY ACTUALLY BE SAME SITE; DATA IS UNCLEAR.				
Ecological:	MIXED CONIFER FOREST WITH 50% CANOPY CLOSURE, MOSTLY SMALL CALOEDRUS. ASSOCIATED WITH ARCTOSTAPHYLOS, CHAMABAETIA, BRODIAEA, POA, AND FRITILLARIA. THIN SOIL OF COHASSET-MCCARTHY ASSOCIATION. NOT TYPICAL HABITAT.				
General:	18 PLANTS SEEN IN EAST POLYGON IN 1991; SITE IS APPARENTLY ATYPICAL HABITAT, GROWING ON THIN SOIL, GROWING IN SHADE/MOISTURE OF OLD LOGGING DEBRIS. 64 PLANTS SEEN IN WEST POLYGON IN 2007. USFS POPULATION #03-65.				
Owner/Manager:	PVT, USFS-ELDORADO NF?				
Occurrence No.	42	Map Index: 25491	EO Index: 5780	Element Last Seen:	1991-05-03
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2006-05-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.54660 / -120.39068		Accuracy:	80 meters	
UTM:	Zone-10 N4269692 E727398		Elevation (ft):	5100	
PLSS:	T08N, R14E, Sec. 14, NE (M)		Acres:	0.0	
Location:	ALONG 8N45 ABOUT 0.5 AIR MILE NW OF ARMSTRONG HILL LOOKOUT, GOLD NOTE RIDGE.				
Detailed Location:	NORTH ON 8N45 FROM HWY 88 ABOUT 1.25 MILES. FOLLOW DRAINAGE SOUTHEAST OF ROAD ABOUT 1/4 MI TO OPEN SIDE SLOPE. USFS POPULATION #03-61.				
Ecological:	VOLCANIC OPENING WITHIN MIXED CONIFER FOREST WITH ABOUT 30-50% CANOPY CLOSURE DOMINATED BY QUERCUS KELLOGGII, CALOEDRUS, AND PINUS PONDEROSA. SHRUB COVER OF ARCTOSTAPHYLOS, OTHER ASSOCIATES INCLUDE BRODIAEA, ZIGADENUS, AND ERIOGONUM.				
General:	16 PLANTS OBSERVED IN 1991; SITE FLAGGED, NO IMPACTS ANTICIPATED FROM SALVAGE SALE. NO PLANTS FOUND IN 2006.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	43	Map Index: 25492	EO Index: 5778	Element Last Seen:	2001-05-03
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2001-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27

Quad Summary: Caldor (3812054)

County Summary: Amador, El Dorado

Lat/Long:	38.53948 / -120.39176	Accuracy:	80 meters
UTM:	Zone-10 N4268899 E727326	Elevation (ft):	5400
PLSS:	T08N, R14E, Sec. 14, SE (M)	Acres:	0.0

Location: BOTH SIDES OF HIGHWAY 88 ABOUT 0.5 AIR MILE WSW OF ARMSTRONG HILL LOOKOUT, GOLD NOTE RIDGE.

Detailed Location: EAST ON HWY 88, 2.5 MILES FROM COOKS STATION ON NORTH AND SOUTH SLOPE OF ROAD, AFTER LAST TURNOUT BEFORE HAMS STATION.

Ecological: LOWER MONTANE CONIFEROUS FOREST, DOMINATED BY PINUS PONDEROSA, CALOCEDRUS, CEANOTHUS INTEGERRIMUS, ZIGADENUS VENENOSUS, AND CHAMAEBATIA. COHASSET-MCCARTHY SOIL ON OPEN TO SEMI-SHADED STEEP MID-SLOPE.

General: 5 PLANTS SEEN IN 1990; SEEMS TO BE A VERY SMALL POPULATION, DIVIDED, AND NOT VERY VIGOROUS. SITE HAS BEEN FLAGGED. 14 PLANTS SEEN IN 2001.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	44	Map Index: 25493	EO Index: 5779	Element Last Seen:	2001-05-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-05-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27

Quad Summary: Caldor (3812054)

County Summary: Amador

Lat/Long:	38.54352 / -120.37879	Accuracy:	80 meters
UTM:	Zone-10 N4269380 E728444	Elevation (ft):	5400
PLSS:	T08N, R14E, Sec. 13, SE (M)	Acres:	0.0

Location: SOUTH OF HIGHWAY 88 JUST SOUTHWEST OF HAMS STATION, GOLD NOTE RIDGE.

Detailed Location: 1000' SOUTHWEST OF HAMS STATION SOUTH OF THE HIGHWAY.

Ecological: SURROUNDED BY MIXED CONIFER FOREST WITH 60 % CANOPY COVER, PREDOMINANTLY PINUS PONDEROSA, QUERCUS KELLOGGII, AND CALOCEDRUS. ASSOCIATED WITH ZIGADENUS, STIPA, ARCTOSTAPHYLOS, ERIOGONUM, ONYCHIMUM, BROMUS, EPILOBIUM, NAVARRETIA, AND LOTUS.

General: 1 PLANT OBSERVED IN 1991; LESKY SUGGESTS THAT POPULATION MAY BE LARGER THAN REPORTED DUE TO LATENESS OF SEASON. VERY SUITABLE HABITAT WITH NO VISIBLE DISTURBANCE. SITE HAS BEEN FLAGGED. 43 PLANTS OBSERVED IN 2001.

Owner/Manager: PVT



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Occurrence No.	45	Map Index: 25384	EO Index: 5993	Element Last Seen: 1992-06-19
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen: 2012-07-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-07-13

Quad Summary: Omo Ranch (3812055)

County Summary: El Dorado

Lat/Long:	38.62300 / -120.53889	Accuracy:	80 meters
UTM:	Zone-10 N4277815 E714253	Elevation (ft):	3600
PLSS:	T09N, R13E, Sec. 21, NE (M)	Acres:	0.0

Location: ALONG 9N65A NORTH OF STEELY FORK COSUMNES RIVER ABOUT 2.9 AIR MI EAST OF COLES STATION.

Detailed Location: USFS POPULATION #03-87.

Ecological: PLANT GROWING ON EDGE OF CUTBANK WITH PTERIDIUM AND BRODIAEA WITH PINUS AND ABIES SEEDLING.

General: 1 PLANT SEEN IN 1992; SITE IS WITHIN A PLANTATION HERBICIDE UNIT. NO PLANTS FOUND IN 2012.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	46	Map Index: 25383	EO Index: 5994	Element Last Seen: 1993-10-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1993-10-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1994-04-19

Quad Summary: Omo Ranch (3812055)

County Summary: El Dorado

Lat/Long:	38.61480 / -120.54518	Accuracy:	80 meters
UTM:	Zone-10 N4276890 E713729	Elevation (ft):	3500
PLSS:	T09N, R13E, Sec. 21, SW (M)	Acres:	0.0

Location: RIDGE BETWEEN STEELY FORK COSUMNES RIVER AND CLEAR CREEK, NORTH OF HENRYS DIGGINGS.

Detailed Location: NORTH SIDE OF 9N15Y, ABOUT 1/4 MILE FROM 9N59. USFS POPULATION #03-127.

Ecological: MIXED CONIFER FOREST WITH ROCK OUTCROPS. ASSOCIATED WITH PINUS PONDEROSA, CALOCEDRUS, QUERCUS KELLOGGII, P. LAMBERTIANA, PSEUDOTSUGA, CEANOTHUS INTEGERRIMUS, Q. CHRYSOLEPIS, ARCTOSTAPHYLOS VISCIDA, GALIUM, CLARKIA, IRIS, CHAMAEBATIA, ETC.

General: 14 PLANTS OBSERVED LATE IN THE SEASON IN 1993. ADDITIONAL FIELDWORK EARLIER IN THE SEASON IS NEEDED. PRESENCE OF ROCK OUTCROPS AND LACK OF HARVESTABLE TIMBER MAY MAKE THIS SITE REASONABLY SECURE FROM LOGGING THREATS.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	47	Map Index: 25382	EO Index: 5995	Element Last Seen:	1991-07-19
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2012-06-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-13
Quad Summary:	Omo Ranch (3812055)				
County Summary:	El Dorado				
Lat/Long:	38.61399 / -120.55863		Accuracy:	80 meters	
UTM:	Zone-10 N4276769 E712560		Elevation (ft):	3400	
PLSS:	T09N, R13E, Sec. 29, NE (M)		Acres:	0.0	
Location:	JUST EAST OF THE CONFLUENCE OF STEELY FORK COSUMNES RIVER AND CLEAR CREEK, NORTH OF HENRYS DIGGINGS.				
Detailed Location:	AT THE END OF 9N15Y, ABOUT 150 METERS DUE EAST OF THE CONFLUENCE OF THE TWO RIVERS. USFS POPULATION #03-67.				
Ecological:	SIERRA MIXED CONIFER FOREST WITH 40% CANOPY COVERAGE, OPEN PATCHES WITH ARCTOSTAPHYLOS AND CHAMAEBATIA. SOILS OF METASEDIMENTARY PARENT MATERIAL, DRY SILTY-CLAY.				
General:	1 DEAD STALK FROM PREVIOUS YEAR OBSERVED LATE IN THE SEASON IN 1991. SITE SHOULD BE RESURVEYED EARLIER IN THE SEASON. WITHIN THE 1992 HENRY'S GREEN TIMBER SALE, NO INFORMATION REGARDING IMPACTS. NO PLANTS FOUND IN 2012.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	48	Map Index: 25381	EO Index: 5996	Element Last Seen:	1992-08-13
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1992-08-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-04-01
Quad Summary:	Omo Ranch (3812055)				
County Summary:	El Dorado				
Lat/Long:	38.60679 / -120.57469		Accuracy:	80 meters	
UTM:	Zone-10 N4275933 E711183		Elevation (ft):	3500	
PLSS:	T09N, R13E, Sec. 30, NE (M)		Acres:	0.0	
Location:	ALONG 9N45.1 ON RIDGE BETWEEN STEELY FORK COSUMNES RIVER AND MIDDLE FORK COSUMNES RIVER, WEST OF HENRYS DIGGINGS.				
Detailed Location:	NORTH SIDE OF THE ROAD ABOUT 0.3 MILE FROM 9N45M. USFS POPULATION #03-100.				
Ecological:	PLANTS FOUND GROWING IN PATCHY GRASSY OPENINGS WITH PINUS PONDEROSA, CALOEDRUS, ARCTOSTAPHYLOS, CEANOTHUS, CHAMAEBATIA, BRODIAEA, CLARKIA, AND STIPA. AIKEN LOAM SOILS.				
General:	16 PLANTS OBSERVED OVER 2 ACRES IN 1992. MORE COMPLETE SURVEYS REQUESTED FOR 1993.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	49	Map Index: 25387	EO Index: 5990	Element Last Seen:	1992-07-23
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1998-05-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27
Quad Summary:	Omo Ranch (3812055)				
County Summary:	El Dorado				
Lat/Long:	38.59458 / -120.56436		Accuracy:	80 meters	
UTM:	Zone-10 N4274602 E712118		Elevation (ft):	3320	
PLSS:	T09N, R13E, Sec. 32, N (M)		Acres:	0.0	
Location:	0.4 MI NNW OF CONFLUENCE OF MIDDLE FORK COSUMNES RIVER AND SOPIAGO CREEK, SOUTH OF HENRYS DIGGINGS.				
Detailed Location:	SOUTH AND EAST OF THE END OF 9N66B. USFS POPULATION #03-97.				
Ecological:	GROWING AMONG COBBLY ROCKS AND ROCK OUTCROPS IN PATCHY OPENINGS OF FOREST CANOPY WITH LATER SERAL PINUS PONDEROSA, QUERCUS CHRYSOLEPIS, ARCTOSTAPHYLOS, CHAMAEBATIA, BRODIAEA, CLARKIA, AND STIPA. HOLLAND VERY ROCKY COARSE SANDY LOAM SOILS.				
General:	57 PLANTS OBSERVED OVER 2 ACRES IN 1992; SITE FLAGGED FOR PROTECTION. NO PLANTS OBSERVED IN 1998.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	50	Map Index: 25386	EO Index: 5991	Element Last Seen:	1993-06-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2012-07-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-05
Quad Summary:	Omo Ranch (3812055)				
County Summary:	El Dorado				
Lat/Long:	38.59190 / -120.54259		Accuracy:	specific area	
UTM:	Zone-10 N4274355 E714022		Elevation (ft):	3420	
PLSS:	T09N, R13E, Sec. 33, NE (M)		Acres:	10.0	
Location:	VICINITY OF LITTLE MOUNTAIN, 0.6-0.9 AIR MI EAST OF THE CONFLUENCE OF THE MIDDLE FORK COSUMNES RIVER AND DOGTOWN CREEK.				
Detailed Location:	W POLY: IN A CLUSTER OF SMALL ROCKS AT THE TOP OF LITTLE MOUNTAIN, 1/8 MILE SOUTH OF 9N60.1; USFS POP #03-120. E POLY: NORTH SIDE OF THE ROAD ON SW-FACING BEND OF 9N60.1, SOME PLANTS GROWING OUT OF MANZANITA BURLS; USFS POP #03-18.				
Ecological:	W POLY: CANYON LIVE OAK FOREST W/ QUERCUS CHRYSOLEPIS, Q. KELLOGGII, PINUS PONDEROSA, & CALOCEDRUS. E POLY: LOWER MONTANE CONIFEROUS FOREST AT A STEEP OPENING ABOVE ACTIVELY ERODING RDCUT; ASSOC INCL Q. KELL & Q. CHRY, P. LAMBERTIANA, ETC.				
General:	W POLYGON: 60 PLANTS OVER 0.16 ACRE IN 1993 (SITE FLAGGED). E POLYGON: 42 PLANTS IN 1989 (AREA WAS BURNED RECENTLY; SITE FLAGGED), NO PLANTS FOUND IN 2012. INCLUDES FORMER OCCURRENCE #51.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	52	Map Index:	25380	EO Index:	5989	Element Last Seen:	2003-07-10
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2003-07-10	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-07-05	

Quad Summary: Omo Ranch (3812055)
County Summary: El Dorado

Lat/Long:	38.53713 / -120.52037	Accuracy:	specific area
UTM:	Zone-10 N4268328 E716122	Elevation (ft):	3550
PLSS:	T08N, R13E, Sec. 23, NW (M)	Acres:	18.5

Location: BOTH SIDES OF SEASONAL TRIBUTARY TO SCOTT CREEK ABOUT 1/2 MILE W OF THE MOUTH OF OREGON GULCH, S SLOPE OF BARNEY RIDGE.
Detailed Location: THREE COLONIES MAPPED AS 1 POLYGON NEAR THE END OF 8N61D, ABOUT 0.6 MILE FROM 8N61. USFS POPULATION #03-81.
Ecological: SIERRAN MIXED CONIFER FOREST DOMINATED BY PSEUDOTSUGA, CALO CEDRUS, AND QUERCUS KELLOGGII. UNDERSTORY OF CHAMAEBATIA, SANICULA, JUNCUS, BROMUS, VIOLA, LUPINUS, VICIA, GILIA, AND SENECIO. COHASSET-MCCARTHY ASSOCIATION SOILS.
General: 88 PLANTS OBSERVED IN THREE COLONIES IN 1992. 2003: 19 PLANTS SEEN IN WESTERN COLONY, NO PLANTS FOUND IN OTHER TWO COLONIES. SITE DELINEATED WITH FLAGGING FOR PROTECTION.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	53	Map Index:	25397	EO Index:	13388	Element Last Seen:	2004-08-03
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2004-08-03	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-07-15	

Quad Summary: Old Iron Mountain (3812064)
County Summary: El Dorado

Lat/Long:	38.74009 / -120.40333	Accuracy:	specific area
UTM:	Zone-10 N4291136 E725687	Elevation (ft):	4450
PLSS:	T10N, R14E, Sec. 10, NE (M)	Acres:	12.0

Location: EAST OF PLUM CREEK NEAR 10N21Y ABOUT 0.8 AIR MILE ESE OF PLUM CREEK MILL SITE, WEST SLOPE OF PLUM CREEK RIDGE.
Detailed Location: NEAR THE END OF 10N21Y ON RIDGETOP WITH LAVA ROCK BEDS, ROCKY OUTCROPS AND BROKEN RUBBLE. MAPPED AS 2 POLYGONS BY CNDDB. NORTH POLYGON BASED ON 1993 FIELD SURVEY, SOUTH POLYGON BASED ON USFS DIGITAL DATA.
Ecological: GROWING ON THIN SOIL BETWEEN CLUMPS OF ARCTOSTAPHYLOS VISCIDA AND QUERCUS CHRYSOLEPIS. ASSOICATED WITH PINUS PONDEROSA, P. LAMBERTIANA, Q. KELLOGGII, CLARKIA, MIMULUS, PELLEA, ETC. LEDMOUNT ROCK OUTCROPS IN COHASSET-MCCARTHY RHYOLITE.
General: 227 PLANTS OBSERVED IN NORTH POLYGON IN 1993; MOST PLANTS HEALTHY AND VIGOROUS, SITE HAS BEEN FLAGGED FOR PROTECTION. 40 PLANTS OBSERVED IN SOUTH POLYGON IN 2004. USFS POPULATION #03-118.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	54	Map Index: 25401	EO Index: 15679	Element Last Seen: 1992-07-14
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 1992-07-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 1994-04-05

Quad Summary: Old Iron Mountain (3812064)

County Summary: El Dorado

Lat/Long:	38.73559 / -120.43090	Accuracy:	80 meters
UTM:	Zone-10 N4290569 E723304	Elevation (ft):	4880
PLSS:	T10N, R14E, Sec. 09, NW (M)	Acres:	0.0

Location: NORTH OF NORTH PARK CREEK 0.6 AIR MILE SE OF GIRARD MILL SITE, IRON MOUNTAIN RIDGE.

Detailed Location: SOUTH SIDE OF 10N51, ABOUT 2 MILES FROM 10N45, JUST BEFORE RIDGETOP ROAD ON THE RIGHT. USFS POPULATION #03-93.

Ecological: GRASSY, ROCKY OPENING IN CANOPY WITH LATE SERAL PINUS PONDEROSA, CALOCEDRUS, PSEUDOTSUGA, QUERCUS CHRYSOLEPIS, Q. KELLOGGII, FRITILLARIA, BRODIAEA, ASCLEPIAS, STIPA, CLARKIA, AND PATCHY CHAMAEBATIA. MCCARTHY-LEDMOUNT SOILS.

General: 4 PLANTS OBSERVED OVER 2 ACRES IN 1992. PLANTS APPEAR HEALTHY. SITE FLAGGED FOR PROTECTION.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	55	Map Index: 25402	EO Index: 12360	Element Last Seen: 1991-08-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2004-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-07-15

Quad Summary: Old Iron Mountain (3812064)

County Summary: El Dorado

Lat/Long:	38.69409 / -120.46217	Accuracy:	80 meters
UTM:	Zone-10 N4285887 E720713	Elevation (ft):	4800
PLSS:	T10N, R14E, Sec. 30, NE (M)	Acres:	0.0

Location: SOUTH OF 10N59.1 ALONG THE SOUTH SLOPE OF RIDGE BETWEEN SNOW CREEK AND CAMP CREEK ABOUT 3/4 MI ESE OF THEIR CONFLUENCE.

Detailed Location: NEAR THE CENTER OF THE NE 1/4 OF SECTION 30. USFS POPULATION #03-71.

Ecological: ROCKY WITH ARCTOSTAPHYLOS PATULA, CALOCEDRUS, PINUS PONDEROSA, FRITILLARIA, BRODIAEA, IRIS, AND CHAMAEBATIA. DRY, ROCKY, SILTY-CLAY LOAM.

General: 10 PLANTS SEEN IN 1991. SITE IS FAIRLY UNDISTURBED; A FIRE MAY HAVE GONE THROUGH HERE SEVERAL YEARS AGO. SITE HAS BEEN FLAGGED FOR PROTECTION DURING TIMBER HARVEST OPERATIONS. NO PLANTS OBSERVED IN 2004 REVISIT.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	56	Map Index: 25403	EO Index: 14088	Element Last Seen:	2001-05-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-05-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-15
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.69276 / -120.45119		Accuracy:	80 meters	
UTM:	Zone-10 N4285766 E721673		Elevation (ft):	4960	
PLSS:	T10N, R14E, Sec. 29, NW (M)		Acres:	0.0	
Location:	TOP OF RIDGE BETWEEN SNOW CREEK AND CAMP CREEK, ABOUT 0.3 AIR MI SOUTHWEST OF THE MOUTH OF BIG PEBBLE CANYON.				
Detailed Location:	SITE IS NEAR THE END OF TRAIL ON TOPO WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 29. USFS POPULATION #03-21.				
Ecological:	LOWER MONTANE CONIFEROUS FOREST WITH A CANOPY OF PINUS PONDEROSA, CALOEDRUS, AND QUERCUS KELLOGGII. UNDERSTORY OF ARCTOSTAPHYLOS AND CHAMAEBATIA. COBBLY ANDESITIC ROCKS ON MCCARTHY-LEDMOUNT ASSOCIATION SOILS.				
General:	5 PLANTS OBSERVED IN 1989; MORE PLANTS MAY OCCUR HERE BUT THICK STAND OF ARCTOSTAPHYLOS MAKES SEARCHING DIFFICULT. ADJACENT AREA LOGGED, BURNED. 247 PLANTS OBSERVED IN 2001.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	57	Map Index: 25398	EO Index: 14090	Element Last Seen:	1993-05-12
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1993-05-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-04-05
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.68569 / -120.43270		Accuracy:	specific area	
UTM:	Zone-10 N4285026 E723303		Elevation (ft):	4900	
PLSS:	T10N, R14E, Sec. 28, SW (M)		Acres:	30.3	
Location:	S FACE OF RIDGE BETWEEN BIG PEBBLE CANYON AND CAMP CREEK ABOUT 0.6 AIR MI WNW OF MOUTH OF VAN HORN CREEK, BALTIC RIDGE.				
Detailed Location:	TWO COLONIES, ONE ON EITHER SIDE OF DRAINAGE INTO CAMP CREEK, ABOUT 200 YARDS SOUTH OF 10N58E, BELOW THE "5222" RIDGE ON THE TOPO. USFS POPULATION #03-116.				
Ecological:	SMALL OPENINGS IN ARCTOSTAPHYLOS BRUSHFIELD WITH A SCATTERING OF QUERCUS KELLOGGII, PINUS PONDEROSA, AND CALOEDRUS. OTHER PLANTS INCLUDE LOMATIUM, ASCLEPIAS, MIMULUS, ETC. MCCARTHY-LEDMOUNT SOILS ON S-FACING SLOPES W/ LAVA ROCK BEDS.				
General:	1000+ PLANTS OBSERVED IN 1993. PRESCRIBED BURN HAS BEEN RECOMMENDED TO IMPROVE HABITAT FOR CALOCHORTUS.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	58	Map Index: 25404	EO Index: 25933	Element Last Seen: 1992-07-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2004-07-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-07-15
Quad Summary:	Old Iron Mountain (3812064)			
County Summary:	El Dorado			
Lat/Long:	38.66871 / -120.45264		Accuracy: 80 meters	
UTM:	Zone-10 N4283093 E721621		Elevation (ft): 4880	
PLSS:	T09N, R14E, Sec. 05, NW (M)		Acres: 0.0	
Location:	NORTH OF THE NORTH FORK COSUMNES RIVER ABOUT 0.4 MI S OF BONETTI AND 0.8 MI WNW OF MOUTH OF VAN HORN CRK, BALTIC RIDGE.			
Detailed Location:	ALONG THE WEST SIDE OF 10N55 ABOUT 2.5 MILES FROM NORTH-SOUTH ROAD. USFS POPULATION #03-104.			
Ecological:	OPENINGS ALONG NORTH AND WEST BORDERS OF PLANTATION AND INTO ADJACENT FOREST. ASSOCIATED WITH PINUS PONDEROSA, CALOCEDRUS, FRITILLARIA, ARCTOSTAPHYLOS, AND CEANOTHUS. MCCARTHY GRAVELLY SANDY LOAM AND CHAIX-PILLIKEN COARSE SANDY LOAMS.			
General:	15 PLANTS OBSERVED OVER 1.5 ACRES IN 1992; POPULATION APPEARS TO HAVE RESPONDED FAVORABLY TO BURN AND SUBSEQUENT LACK OF COMPETITION FROM OTHER HERBACEOUS SPECIES. EFFECTS OF HERBICIDE ARE TO BE MONITORED. NO PLANTS SEEN IN 2004.			
Owner/Manager:	USFS-ELDORADO NF			
Occurrence No.	59	Map Index: 25405	EO Index: 21975	Element Last Seen: 1995-05-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2004-07-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-06-28
Quad Summary:	Old Iron Mountain (3812064)			
County Summary:	El Dorado			
Lat/Long:	38.64856 / -120.47504		Accuracy: 80 meters	
UTM:	Zone-10 N4280803 E719734		Elevation (ft): 4800	
PLSS:	T09N, R14E, Sec. 07, NW (M)		Acres: 0.0	
Location:	NORTH SIDE OF HARREL STUB ROAD ABOUT 500 METERS SOUTHWEST OF HARREL FIRE TANK, LONG CANYON.			
Detailed Location:	TALUS SLOPE OF THE EDGE OF ROADCUT. USFS POPULATION #03-70.			
Ecological:	SIERRAN MIXED CONIFER FOREST WITH OPEN PATCHES OF CHAMAEBATIA COVER. ASSOCIATED WITH CHLOROGALUM, BRODIAEA, FRITILLARIA, CLARKIA, ARCTOSTAPHYLOS, ETC. SILTY CLAY WITH COBBLES, TALUS SLOPE; JOCAL ASSOCIATION SOILS.			
General:	1 PLANT OBSERVED IN 1991; CONTROLLED BURN RECOMMENDED TO SUPPRESS HERBACEOUS COMPETITION. SITE FLAGGED TO PROTECT FROM POTENTIAL THREATS. 16 PLANTS OBSERVED IN 1995, NONE FOUND IN 2004.			
Owner/Manager:	USFS-ELDORADO NF			



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Occurrence No.	60	Map Index: 25406	EO Index: 21978	Element Last Seen: 1992-07-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2012-06-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-07-15

Quad Summary: Old Iron Mountain (3812064)
County Summary: El Dorado

Lat/Long:	38.63419 / -120.47348	Accuracy:	80 meters
UTM:	Zone-10 N4279212 E719913	Elevation (ft):	4850
PLSS:	T09N, R14E, Sec. 18, NW (M)	Acres:	0.0

Location: ALONG 9N12Y ABOUT 1.1 AIR MILES EAST OF GILBERTS, TONY GULCH.
Detailed Location: 0.3 MILE EAST OF 9N75 AND ABOUT 100' NORTH OF THE ROAD. PLANTS FOUND ON BENCH OF MODERATELY STEEP SLOPE. USFS POPULATION #03-98.
Ecological: GROWING AMONG COBBLY ROCKS AND SHIN-HIGH CHAMAEBATIA WITHIN OPENINGS IN PINUS PONDEROSA, CALOCEDRUS, AND QUERCUS KELLOGGII. ASSOCIATED WITH BRODIAEA, CLARKIA, AND STIPA. JOSEPHINE ROCKY LOAM SOILS.
General: 2 PLANTS OBSERVED OVER 1 ACRE IN 1992; PLANTS WERE SMALL AND THE POPULATION MAY BE IN DECLINE DUE TO CONTINUED DISTURBANCE. NO PLANTS OBSERVED IN 2012.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	61	Map Index: 25399	EO Index: 21980	Element Last Seen: 1991-07-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2012-07-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-06-28

Quad Summary: Caldor (3812054), Old Iron Mountain (3812064)
County Summary: El Dorado

Lat/Long:	38.62304 / -120.47151	Accuracy:	specific area
UTM:	Zone-10 N4277979 E720119	Elevation (ft):	4500
PLSS:	T09N, R14E, Sec. 19, NW (M)	Acres:	10.1

Location: SOUTHWEST SIDE OF RIDGE BETWEEN SALT ROCK CREEK AND STEELY FORK COSUMNES RIVER, ABOUT 1/2 MILE EAST OF THEIR CONFLUENCE.
Detailed Location: USFS POPULATION #03-69. MAPPED AS THREE SMALL POLYGONS AT CNDDDB.
Ecological: DRY STEEP SLOPE WITH SOME ROCKY GRANITE OUTCROPPINGS. MIXED CONIFER FOREST WITH CHAMAEBATIA AND ARCTOSTAPHYLOS UNDERSTORY. COMMON HERBS INCLUDE CLARKIA, ERIOGONUM, AND GALIUM.
General: 28 PLANTS OBSERVED IN 1992 DURING CURSORY SURVEY; SITE HAS BEEN FLAGGED TO AVOID POTENTIAL TIMBER HARVEST IMPACTS. NO PLANTS FOUND IN 2012.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	62	Map Index: 25396	EO Index: 12916	Element Last Seen:	1998-08-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1998-08-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-15
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.63714 / -120.43171		Accuracy:	specific area	
UTM:	Zone-10 N4279640 E723541		Elevation (ft):	4900	
PLSS:	T09N, R14E, Sec. 16, N (M)		Acres:	20.0	
Location:	1/2 MILE SSW OF DUNCAN CORRAL, SOUTH SIDE OF RIDGE BETWEEN NORTH FORK COSUMNES RIVER AND NORTH STEELY CREEK.				
Detailed Location:	NORTH SIDE OF 9N89 ABOUT 2.6 MILES EAST OF 9N30.2. MAPPED AS 2 POLYGONS IN THE NORTH HALF OF SECTION 16. USFS POPULATION #03-22.				
Ecological:	LOWER MONTANE CONIFEROUS FOREST WITH A CANOPY OF PINUS PONDEROSA, CALOEDRUS, AND QUERCUS KELLOGGII. UNDERSTORY OF ARCTOSTAPHYLOS AND CHAMAEBATIA. MCCARTHY-LEDMOUNT ASSOCIATION SOILS WITH COBBLY ANDESITIC ROCKS.				
General:	EAST POLYGON: 99 PLANTS OBSERVED IN 1989, 481 PLANTS IN 1990. WEST POLYGON: 27 PLANTS OBSERVED IN 1998. SITE HAS BEEN FLAGGED.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	63	Map Index: 25400	EO Index: 15676	Element Last Seen:	2001-07-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2001-07-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-15
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.63951 / -120.41638		Accuracy:	specific area	
UTM:	Zone-10 N4279941 E724868		Elevation (ft):	5262	
PLSS:	T09N, R14E, Sec. 10, SW (M)		Acres:	20.0	
Location:	DUNCAN CORRAL EXTENDING ~0.7 AIR MILE SE, SOUTH SIDE OF RIDGE BETWEEN NORTH FORK COSUMNES RIVER AND NORTH STEELY CREEK.				
Detailed Location:	MAPPED AS 4 POLYGONS ALONG NORTH SIDE OF 9N89 BASED ON USFS DIGITAL DATA. USFS POPULATION #S 03-53, 03-63, AND 03-96.				
Ecological:	MIXED CONIFER FOREST WITH PINUS PONDEROSA, CALOEDRUS, PSEUDOTSUGA, ARCTOSTAPHYLOS, CHAMAEBATIA, FRITILLARIA, BRODIAEA, MONARDELLA, AND ANNUAL GRASSES. MCCARTHY GRAVELLY LOAM SOILS.				
General:	POPULATION NUMBERS ARE FOR PORTIONS OF SITE. 23 PLANTS OBSERVED IN S POLYGON IN 1990. 177 PLANTS IN 1991, 20 PLANTS IN 1992, 13 PLANTS IN 2001. SITES HAVE BEEN FLAGGED TO PROTECT FROM LOGGING OPERATIONS.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	64	Map Index: 25407	EO Index: 21981	Element Last Seen:	2012-06-28
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2012-06-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-01
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.6279 / -120.43156		Accuracy:	specific area	
UTM:	Zone-10 N4278615 E723582		Elevation (ft):	5060	
PLSS:	T09N, R14E, Sec. 16, S (M)		Acres:	27.0	
Location:	ABOUT 1.2 AIR MILES SSW OF DUNCAN CORRAL, SOUTH SIDE OF RIDGE BETWEEN NORTH AND SOUTH STEELY CREEKS.				
Detailed Location:	NORTH SIDE OF 9N64 ABOUT 0.5 MILE PAST 9N64C. POPULATION IN NARROW, BROKEN BAND ALONG HILLSIDE ABOUT 50 YARDS FROM BOTTOM. MAPPED ACCORDING TO USFS DIGITAL DATA. USFS POPULATION #03-49.				
Ecological:	ASSOCIATED WITH CLUMPED STANDS OF CALOEDRUS, QUERCUS KELLOGGII, ARCTOSTAPHYLOS AND OCCASIONAL PINUS PONDEROSA IN AREAS CONSISTING MOSTLY OF OPEN VEGETATION. MCCARTHY SANDY GRAVELLY LOAM.				
General:	165 PLANTS SEEN IN 1990; POPULATION HAS BEEN FLAGGED FOR AVOIDANCE BY LOGGING OPERATIONS. PORTIONS OF OCCURRENCE HAD 14 PLANTS SEEN IN 1991 AND 7 PLANTS IN 2012.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	65	Map Index: 25408	EO Index: 7752	Element Last Seen:	1992-07-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2009-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-15
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.62999 / -120.39376		Accuracy:	80 meters	
UTM:	Zone-10 N4278940 E726866		Elevation (ft):	5600	
PLSS:	T09N, R14E, Sec. 14, SE (M)		Acres:	0.0	
Location:	ABOUT 1.8 AIR MILES SSE OF DUNCAN CORRAL NEAR HEAD OF DOGTOWN CREEK, PLUMMER RIDGE.				
Detailed Location:	ALONG 9N16C ABOUT 1/2 ROAD MILE EAST OF 9N80. SITE IS 100' NORTH OF THE ROAD. USFS POPULATION #03-92.				
Ecological:	FOUND IN ROCK OUTCROP AND ARCTOSTAPHYLOS CLEARING WITHIN PINUS PONDEROSA, CALOEDRUS, AND PSEUDOTSUGA. ASSOCIATED WITH MONARDELLA, CHAMAEBATIA, CHLOROGALUM, FRITILLARIA, AND ANNUAL GRASSES. MCCARTHY-LEDMOUNT SOILS.				
General:	100 PLANTS OBSERVED IN 1992; NO OBVIOUS DISTURBANCE AT THIS SITE, PLANTS SEEM STABLE. FLAGGED FOR PROTECTION FROM TIMBER HARVEST ACTIVITIES. NO PLANTS FOUND IN 2009.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	66	Map Index: 25392	EO Index: 22175	Element Last Seen:	1992-06-18
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1992-06-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-04-01
Quad Summary:	Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.71065 / -120.53542		Accuracy:	specific area	
UTM:	Zone-10 N4287551 E714293		Elevation (ft):	3520	
PLSS:	T10N, R13E, Sec. 22, NW (M)		Acres:	10.8	
Location:	STEEP EAST-FACING BANK OF CAMP CREEK EAST OF BLUE GOUGE MINE, SOUTHEAST OF JENKINSON LAKE.				
Detailed Location:	POPULATION IS MAPPED AT THE JUNCTION OF SECTIONS 15, 16, 21, AND 22. USFS POPULATION #03-85.				
Ecological:	GROWING AMONG ROCK OUTCROPS AND ARCTOSTAPHYLOS IN OPEN AREA WITH QUERCUS CHRYSOLEPIS, PINUS PONDEROSA, BRODIAEA, AND ANNUAL GRASSES. MARIPOSA VERY ROCKY SILT LOAM.				
General:	50 PLANTS OBSERVED OVER 1/2 ACRE IN 1992. STEEPNESS OF TERRAIN REDUCES LIKELIHOOD OF ANY DISTURBANCE AT THIS SITE. AREA FLAGGED TO HELP RELOCATE POPULATION.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	67	Map Index: 25391	EO Index: 6001	Element Last Seen:	1992-06-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1992-06-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-04-01
Quad Summary:	Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.69651 / -120.52320		Accuracy:	specific area	
UTM:	Zone-10 N4286010 E715398		Elevation (ft):	4200	
PLSS:	T10N, R13E, Sec. 22, SE (M)		Acres:	12.4	
Location:	1/2 AIR MI WNW OF BALTIC PEAK LOOKOUT, SOUTHEAST OF JENKINSON LAKE.				
Detailed Location:	ON STEEP ROCKY SLOPE EAST OF 10N64B. USFS POPULATION #03-86.				
Ecological:	GROWING MAINLY AROUND ROCK OUTCROPS WITH PINUS PONDEROSA, CALOCEDRUS, QUERCUS KELLOGGII, PSEUDOTSUGA, CHAMAEBATIA, ARCTOSTAPHYLOS, BRODIAEA, CASTILLEJA, FRITILLARIA, STIPA, CLARKIA, AND CHLOROGALUM. MCCARTHY ASSOCIATION SOILS.				
General:	11 PLANTS SEEN OVER 2 ACRES IN 1992. PLANTS SEEM STABLE. SITE FLAGGED FOR PROTECTION.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	68	Map Index: 25393	EO Index: 5999	Element Last Seen:	1999-05-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1999-05-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27
Quad Summary:	Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.69612 / -120.54346		Accuracy:	80 meters	
UTM:	Zone-10 N4285920 E713637		Elevation (ft):	3500	
PLSS:	T10N, R13E, Sec. 21, SE (M)		Acres:	0.0	
Location:	UNDER POWERLINES (CLEARED LINE ON TOPO) JUST NORTH OF CAMP CREEK, SOUTH OF JENKINSON LAKE.				
Detailed Location:	USFS POPULATION #03-75.				
Ecological:	PATCHY MOSAIC OF MIXED HARDWOOD CONIFER FOREST WITH GRASSY OPENINGS. CALOCHORTUS IN OPENING WITH ARCTOSTAPHYLOS VISCIDA ABOVE ROCK OUTCROP. DUDLEYA GROWING IN THE ROCKS. OTHER ASSOCIATES INCLUDE CHAMAEBATIA ETC. METASEDIMENTARY SOILS.				
General:	2 PLANTS SEEN LATE IN THE SEASON IN 1991; ADDITIONAL SURVEYS REQUESTED PRIOR TO TIMBER HARVEST OR POWERLINE ASSOCIATED ACTIVITIES. UNKNOWN NUMBER OF PLANTS SEEN IN 1999.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	69	Map Index: 25394	EO Index: 6002	Element Last Seen:	1991-09-12
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-09-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-04-01
Quad Summary:	Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.69412 / -120.55765		Accuracy:	80 meters	
UTM:	Zone-10 N4285664 E712409		Elevation (ft):	3500	
PLSS:	T10N, R13E, Sec. 29, NE (M)		Acres:	0.0	
Location:	STEEP SOUTH-FACING BANK OF CAMP CREEK ABOUT 1.2 AIR MI NORTH OF BIG BUTTE, SOUTH OF JENKINSON LAKE.				
Detailed Location:	MAPPED ABOUT 100-200 METERS SOUTH OF 10N01Y ALONG BEND IN ROAD DUE SOUTH OF FLEMING MEADOW. USFS POPULATION #03-74.				
Ecological:	MONTANE HARDWOOD WITH QUERCUS CHRYSOLEPIS AND PATCHES OF MONTANE CHAPARRAL. CALOCHORTUS GROWING IN GRASSY OPENINGS WITH BRODIAEA, ASCLEPIAS, ETC. GRAVELLY, COBBLY, THIN VOLCANIC SOILS IN THE OPENINGS (LEDMOUNT ASSOCIATION?).				
General:	1 PLANT OBSERVED LATE IN THE SEASON IN 1991. ADDITIONAL SURVEYS REQUESTED PRIOR TO TIMBER HARVEST OPERATIONS IN THE AREA.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	70	Map Index: 25395	EO Index: 6000	Element Last Seen:	1991-08-2X
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1991-08-2X
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-04-01
Quad Summary:	Sly Park (3812065)				
County Summary:	El Dorado				
Lat/Long:	38.64466 / -120.57327		Accuracy:	80 meters	
UTM:	Zone-10 N4280139 E711195		Elevation (ft):	3100	
PLSS:	T09N, R13E, Sec. 08, SW (M)		Acres:	0.0	
Location:	NW SIDE OF "BEAR LANE" ON RIDGE BETWEEN WISCONSIN GULCH AND NORTH FORK COSUMNES RIVER, 1.8 AIR MI SW OF LITTLE BUTTE.				
Detailed Location:	JUST EAST OF FOREST SERVICE BOUNDARY IN THE SW 1/4 OF THE SW 1/4 OF SECTION 8. USFS POPULATION #03-73.				
Ecological:	MONTANE HARDWOOD WITH OAKS, SCATTERED PINES, AND PATCHY OPENINGS WITH GRASSES AND MANZANITA.				
General:	2 PLANTS OBSERVED LATE IN THE SEASON IN 1991. ADDITIONAL SURVEYS ON ADJACENT USFS LAND RECOMMENDED PRIOR TO ANY TIMBER HARVEST ACTIVITY. PLANTS FLAGGED.				
Owner/Manager:	PVT				
Occurrence No.	71	Map Index: 25388	EO Index: 5997	Element Last Seen:	1992-04-24
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1992-04-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-10-28
Quad Summary:	Camino (3812066)				
County Summary:	El Dorado				
Lat/Long:	38.69947 / -120.67572		Accuracy:	specific area	
UTM:	Zone-10 N4285991 E702124		Elevation (ft):	2800	
PLSS:	T10N, R12E, Sec. 20, SE (M)		Acres:	5.2	
Location:	RIDGETOP BETWEEN AVINSINO CORNER AND NEWTON, ABOUT 2.5 AIR MI SOUTH OF CAMINO.				
Detailed Location:	ON RIDGETOP WITHIN THE CENTER OF THE S 1/4 OF SECTION 20. USFS POPULATION #03-78. AN 1897 PURDY COLLECTION FROM "PLEASANT VALLEY" ALSO ATTRIBUTED TO THIS SITE.				
Ecological:	ASSOCIATED WITH ARCTOSTAPHYLOS VISCIDA, ADENOSTOMA, CASTILLEJA, CHLOROGALUM, RHAMNUS ILICIFOLIA, PELLAEA, DICHELOSTEMMA, GALIUM, TOXICODENDRON, MELICA, AND CALOCHORTUS MONOPHYLLUS. VALLEY SPRINGS FORMATION SOILS; ROCK IS RHYOLYTIC TUFF.				
General:	350 PLANTS OBSERVED IN 1992.				
Owner/Manager:	PVT				



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Occurrence No.	72	Map Index: 25390	EO Index: 22183	Element Last Seen:	2007-06-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2007-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-15
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.77798 / -120.34256		Accuracy:	80 meters	
UTM:	Zone-10 N4295493 E730847		Elevation (ft):	5500	
PLSS:	T11N, R15E, Sec. 19, SW (M)		Acres:	0.0	
Location:	SOUTH SLOPES OF PEAVINE RIDGE 1 AIR MI NORTHEAST OF TWENTYNINE MILE GUARD STATION, ABOUT 2.5 AIR MI WEST OF KYBURZ.				
Detailed Location:	ABOUT 1 MILE WEST OF GRANITE SPRINGS ROAD ON 11N42. SITE IS 150 YARDS NORTH OF THE ROAD. USFS POPULATION #03-126.				
Ecological:	PONDEROSA PINE PLANTATION (PLANTED 1955). OPEN TO SHADED COBBLY ROCK AREA WITH NATIVE GRASSES. SOILS OF WACA-WINDY ANDESITIC LAHAR, COBBLY VOLCANIC SUBSTRATE, LOW SOIL DEPTH.				
General:	58 PLANTS OBSERVED OVER 1 ACRE IN 1993; SITE HAS BEEN FLAGGED BUT SIGNAGE IS STILL NEEDED. 330 PLANTS OBSERVED IN 1995, 214 PLANTS IN 2007.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	73	Map Index: 25389	EO Index: 6003	Element Last Seen:	2006-04-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2006-04-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-05
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.77821 / -120.36811		Accuracy:	specific area	
UTM:	Zone-10 N4295455 E728627		Elevation (ft):	4500	
PLSS:	T11N, R14E, Sec. 24, S (M)		Acres:	51.0	
Location:	SOUTH SLOPES OF PEAVINE RIDGE 0.3-1.5 AIR MI NORTHWEST OF TWENTYNINE MILE GUARD STATION, ABOUT 4 AIR MI WEST OF KYBURZ.				
Detailed Location:	MAPPED AS 6 POLYGONS EXTENDING FROM THE CENTER OF SECTION 25, N TO THE S BOUNDARY OF SECTION 24, AND W TO SE 1/4 OF SECTION 23; MOST COLONIES ARE ACCESSIBLE FROM 11N38.1. USFS POPULATION #S 03-94, 99, 103, 109, AND 113.				
Ecological:	GROWING IN 1) MIXED CONIFER FOREST WITH PINUS PONDEROSA, P. LAMBERTIANA, QUERCUS KELLOGGII, Q. CHRYSOLEPIS, AND CALOCEDRUS; 2) LIVE CANYON OAK WITH Q. CHRYSOLEPIS, CALOCEDRUS, AND PINUS. CHAIX COARSE SANDY LOAM/ROCK OUTCROP COMPLEX SOILS.				
General:	257 PLANTS SEEN IN THREE COLONIES IN 1992, 4368+ PLANTS SEEN IN 1993, 1081 PLANTS IN 2005, 3873 IN 2006. THIS POPULATION WAS WITHIN THE 1992 CLEVELAND FIRE.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	74	Map Index: A0909	EO Index: 5775	Element Last Seen:	2000-06-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2000-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-01
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.85646 / -120.45191		Accuracy:	specific area	
UTM:	Zone-10 N4303934 E721105		Elevation (ft):	4600	
PLSS:	T12N, R14E, Sec. 30, W (M)		Acres:	10.0	
Location:	JUNCTION RESERVOIR (UNION VALLEY RES AFTERBAY) 0.5 AND 0.8 AIR MI NNW OF POTTS CABIN, WEST OF UNION VALLEY RESERVOIR.				
Detailed Location:	MAPPED AS 2 POLYGONS ACCORDING TO 1989 DURAN MAP AND USFS DIGITAL DATA.				
Ecological:	OPEN ROCKY AREA DOMINATED BY ARCTOSTAPHYLOS PATULA WITHIN MIXED CONIFER WOODLAND. METAMORPHIC SOILS OF LITHIC XERUMBREPTS-ROCK OUTCROP COMPLEX ON 50% SLOPE. FOUND IN ASSOCIATION WITH PHACELIA STEBBINSII, ANOTHER SENSITIVE SPECIES.				
General:	250 PLANTS OBSERVED IN NORTH POLYGON IN 1989. 1500 PLANTS OBSERVED IN SOUTH POLYGON IN 2000.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	75	Map Index: 25434	EO Index: 5774	Element Last Seen:	2015-08-07
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-08-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-28
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.82359 / -120.48697		Accuracy:	specific area	
UTM:	Zone-10 N4300201 E718162		Elevation (ft):	4750	
PLSS:	T11N, R13E, Sec. 2, SE (M)		Acres:	2.0	
Location:	RIDGE EAST OF JAY BIRD CANYON ABOUT 1.1 AIR MILES WEST OF BRYANTS SPRING, SOUTHWEST OF UNION VALLEY RESERVOIR.				
Detailed Location:	1/8 MILE SOUTHWEST OF JAY BIRD ROAD (11N60.1), ABOUT 0.7 MILES WEST OF 11N60B. MAPPED AS 2 POLYGONS ACCORDING TO 2015 ELDORADO NF DIGITAL DATA IN THE NE 1/4 SE 1/4 SECTION 2. USFS POPULATION #03-88.				
Ecological:	CHAPARRAL OPENING WITHIN MIXED CONIFER FOREST. ASSOCIATES INCLUDE PINUS PONDEROSA, QUERCUS KELLOGGII, ARCTOSTAPHYLOS, CHLORAGALUM, CHAMAEBATIA, CEANOTHUS, POA, ELYMUS, ETC. MCCARTHY-LEDMOUNT SOILS, POSSIBLE INTERFACE WITH LEDMOUNT ROCK.				
General:	NORTH POLYGON: 57 PLANTS OBSERVED IN 1992 (SITE HAS BEEN FLAGGED FOR AVOIDANCE BY LOGGING CREWS), NO PLANTS IN 2007 & 2015. SOUTH POLYGON: 10 PLANTS OBSERVED IN 2015. SITE BURNED IN 2014 KING FIRE.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	76	Map Index: 25435	EO Index: 5771	Element Last Seen:	1989-07-07
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2009-06-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-28
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.79997 / -120.46560		Accuracy:	80 meters	
UTM:	Zone-10 N4297630 E720090		Elevation (ft):	4800	
PLSS:	T11N, R13E, Sec. 13, NE (M)		Acres:	0.0	
Location:	ALONG FS RD 11N55.2 WEST OF HEAD OF TWENTYFIVE MILE CANYON, ABOUT 1 AIR MILE WEST OF MCCONNEL PLACE, TELEPHONE RIDGE.				
Detailed Location:	BOTH SIDES OF 11N55.2, ABOUT 0.5 MILE FROM 11N63. USFS POPULATION #03-24.				
Ecological:	ANDESITIC OPENING IN LOWER MONTANE CONIFEROUS FOREST. RIDGECREST DOMINATED BY PINUS PONDEROSA, QUERCUS KELLOGGII, CHAMAEBATIA, AND CEANOTHUS. COBBLY ANDESITIC ROCKS. LEDMOUNT-ROCK OUTCROP ASSOCIATION SOILS.				
General:	26 PLANTS OBSERVED IN 1989; POPULATION HAS BEEN FLAGGED. NO PLANTS FOUND IN 2009.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	77	Map Index: 25436	EO Index: 5769	Element Last Seen:	1993-04-28
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	1993-04-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-05-09
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.80117 / -120.45173		Accuracy:	80 meters	
UTM:	Zone-10 N4297797 E721291		Elevation (ft):	4700	
PLSS:	T11N, R14E, Sec. 18, NE (M)		Acres:	0.0	
Location:	ABOUT 0.35 AIR MILE NORTHWEST OF MCCONNEL PLACE, PEAVINE RIDGE.				
Detailed Location:	SOUTH OF 11N55.1 ABOUT 0.5 MILE PAST 12N30.2 (BRYANT SPRINGS ROAD). USFS POPULATION #03-112.				
Ecological:	QUERCUS CHRYSOLEPIS AND ARCTOSTAPHYLOS DOMINANT COVER. ASSOCIATED WITH ALLIUM, VIOLA, PENSTEMON, PHACELIA, CLARKIA, CLAYTONIA, DODECATHEON, AND BRODIAEA. LEDMOUNT-ROCK OUTCROP; LOOSE, DRY MODERATELY ROCKY TO GRAVELLY SOILS.				
General:	APPROXIMATELY 2000 PLANTS OBSERVED IN 1993. SITE WAS WITHIN THE 1992 CLEVELAND FIRE, POPULATION APPARENTLY UNAFFECTED.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	78	Map Index: 25442	EO Index: 5773	Element Last Seen:	2015-08-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-08-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-05

Quad Summary: Riverton (3812074), Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.78698 / -120.50353	Accuracy:	specific area
UTM:	Zone-10 N4296098 E716835	Elevation (ft):	4375
PLSS:	T11N, R13E, Sec. 15, S (M)	Acres:	109.0

Location: FROM FOREST SERVICE RD 11N55.2 NEAR HEAD OF BROCKLISS CANYON EXTENDING WEST TO ROAD 11N70 , TELEPHONE RIDGE.

Detailed Location: MAPPED BY CNDDDB AS MANY POLYGONS BASED ON USFS DIGITAL DATA. USFS POPULATION #03-25 & #03-42.

Ecological: LAVA CAPS ON RIDGECREST DOMINATED BY ARCTOSTAPHYLOS AND CEANOTHUS, SURROUNDED BY LOWER MONTANE CONIFEROUS FOREST AND OAK WOODLAND. LEDMOUNT-ROCK OUTCROP ASSOCIATION SOILS. SITE BURNED IN 2014 KING FIRE.

General: POPULATION #S FOR PORTIONS OF SITE: 253 PLANTS OBSERVED IN 1989, ABOUT 1212 PLANTS IN 1990, 39 PLANTS IN 2004, 2000 PLANTS IN 2007. ABOUT 4000+ PLANTS OBSERVED THROUGH ENTIRE SITE IN 2015. PORTION OF POPULATION ON PRIVATE PROPERTY.

Owner/Manager: USFS-ELDORADO NF, PVT

Occurrence No.	79	Map Index: 25443	EO Index: 5772	Element Last Seen:	2015-07-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-07-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-05

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.78993 / -120.48407	Accuracy:	specific area
UTM:	Zone-10 N4296472 E718517	Elevation (ft):	4600
PLSS:	T11N, R13E, Sec. 14, SE (M)	Acres:	7.0

Location: ALONG 11N55.2 AND 11N70C EAST OF BROCKLISS CANYON AND NORTH OF WHITE MEADOW, TELEPHONE RIDGE.

Detailed Location: MAPPED AS 3 POLYGONS BASED ON USFS DIGITAL DATA. MIDDLE POLYGON ON BOTH SIDES OF SHARP CURVE IN ROAD 11N55.2 ABOUT 1.8 ROAD MILES WEST OF 11N63. NORTHERN POLYGON ALONG 11N70C ABOUT 0.25 MI W OF PEAVINE RD. USFS POPULATION #03-23.

Ecological: LOWER MONTANE CONIFEROUS FOREST. RIDGECREST DOMINATED BY PINUS PONDEROSA, QUERCUS KELLOGGII, CHAMAEBATIA, AND CEANOTHUS. COBBLY ANDESITIC ROCKS, SANDY AND EROSIVE WHEN DISTURBED. LEDMOUNT-ROCK OUTCROP ASSOCIATION SOILS.

General: SW POLYGON: 121 PLANTS SEEN IN 1991. MIDDLE POLYGON: 434 PLANTS IN 1989, 350 IN 2007, 40 IN 2010, <225 PLANTS IN 2015. NORTH POLYGON: 228 PLANTS IN 1991, 45 IN 2010, APPROXIMATELY 60-80 PLANTS IN 2015. SITE BURNED IN 2014 KING FIRE.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	80	Map Index: 25444	EO Index: 5770	Element Last Seen:	2001-04-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2007-05-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-06

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.7905 / -120.46996	Accuracy:	specific area
UTM:	Zone-10 N4296569 E719741	Elevation (ft):	4500
PLSS:	T11N, R13E, Sec. 13, S (M)	Acres:	53.0

Location: BOTH SIDES OF 11N55D WEST OF TWENTYFIVE MILE CANYON ABOUT 1 AIR MILE NNE OF SHORT PLACE, TELEPHONE RIDGE.

Detailed Location: MAPPED AS 11 POLYGONS BY CNDDDB BASED ON USFS DIGITAL DATA. THREE COLONIES ALONG 11N55D ABOUT 1/4 MILE SOUTH OF 11N55.2. USFS POPULATIONS #03-34, 03-55 & 03-76.

Ecological: GROWING IN CHAPARRAL OPENINGS WITHIN MIXED CONIFER FOREST. ASSOCIATED WITH ARCTOSTAPHYLOS, CHAMAEBATIA, CEANOTHUS, PINUS, QUERCUS, CALODCEDRUS, ETC. MCCARTHY-LEDMOUNT ASSOCIATION SOILS, DEEPER THAN USUAL HERE, ~6".

General: POPULATION NUMBERS FOR PORTIONS OF SITE. 437 PLANTS SEEN IN 1990, 126 IN 1991, 267 IN 1992, 63 IN 1993, 146 IN 2001. NO PLANTS FOUND IN NORTHERNMOST POLYGON IN 2007. SITE HAS BEEN FLAGGED FOR AVOIDANCE BY LOGGING CREWS.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	81	Map Index: 25437	EO Index: 5768	Element Last Seen:	1993-03-22
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2001-05-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-28

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.77967 / -120.44367	Accuracy:	specific area
UTM:	Zone-10 N4295431 E722057	Elevation (ft):	4200
PLSS:	T11N, R14E, Sec. 19, SE (M)	Acres:	10.0

Location: JUST SOUTH OF FS ROAD 11N04B, APPROXIMATELY 0.65-0.90 AIR MILE NNE OF RIVERTON.

Detailed Location: W POLYGON: WEST SLOPE OF RIDGE ABOUT 200 M SW OF SHARP BEND IN 11N04B; USFS POPULATION #03-62. E POLYGON: 0.3 MILE WEST OF ICE HOUSE ROAD ON 11N04A, PLANTS ARE A FEW HUNDRED FEET UP THE SLOPE; USFS POPULATION #03-106.

Ecological: W POLYGON: AREA IS MUCH GRASSIER THAN TYPICAL FOR C. C. AVIUS. E POLYGON: MONTANE CHAPARRAL W/IN THE PINE/OAK/CEDAR FOREST W/ QUERCUS CHRYSOLEPIS, Q. KELLOGGII, ARCTOSTAPHYLOS, ETC. ANDESITIC STONY SOILS, TYPICAL FOR THIS SPECIES.

General: W POLY: 50-100 PLANTS IN 1991, NONE IN 2001; AREA BURNED IN 1959 ICE HOUSE FIRE, SITE FLAGGED FOR AVOIDANCE DURING LOGGING OPERATIONS IN 1991. E POLY: 4 PLANTS OBSERVED IN 1993; SITE FLAGGED FOR PROTECTION. INCLUDES FORMER EO #82.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	83	Map Index: 25439	EO Index: 5761	Element Last Seen:	1993-05-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1993-05-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-05-09
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.78873 / -120.42725		Accuracy:	80 meters	
UTM:	Zone-10 N4296476 E723455		Elevation (ft):	4750	
PLSS:	T11N, R14E, Sec. 20, NE (M)		Acres:	0.0	
Location:	ABOUT 0.3 MILE WEST OF COX CANYON AND 1.2 AIR MILES NORTHEAST OF RIVERTON, PEAVINE RIDGE.				
Detailed Location:	500 METERS NE OF THE END OF 17N12B. DRIVE TO END OF ROAD, WALK 1/4 MILE NORTH TO USFS BOUNDARY LINE AND THEN PROCEED EAST. USFS POPULATION #03-114.				
Ecological:	YOUNG MIXED CONIFER/BLACK OAK TIMBER TYPE. ASSOCIATED WITH CLAYTONIA, FESTUCA, BRODIAEA, CENTAURIUM, PENSTEMON, CONVULVULUS, ACHNATHERUM, AND CHAMAEBATIA. MCCARTHY-LEMOUNT ASSOCIATION SOILS.				
General:	132 PLANTS OBSERVED IN 1993. SITE FLAGGED FOR AVOIDANCE DURING TIMBER HARVEST OPERATIONS.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	84	Map Index: 25445	EO Index: 5766	Element Last Seen:	2005-06-30
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2007-05-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-06
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.77808 / -120.41756		Accuracy:	specific area	
UTM:	Zone-10 N4295318 E724331		Elevation (ft):	3800	
PLSS:	T11N, R14E, Sec. 28, N (M)		Acres:	31.0	
Location:	BETWEEN HIGHWAY 50 AND ICE HOUSE ROAD ALONG EITHER SIDE OF COX CANYON, ABOUT 3/4 AIR MI WEST OF WHITE HALL.				
Detailed Location:	MAPPED AS 5 POLYGONS. USFS POPULATION #S 03-107, 03-108, 03-115, AND 03-123.				
Ecological:	OAK WOODLAND/MIXED CONIFER FOREST. WITH QUERCUS CHRYSOLEPIS, Q. KELLOGGII, PINUS PONDEROSA, ARCTOSTAPHYLOS, CHAMAEBATIA, CLAYTONIA, GALIUM, SILENE, CEANOTHUS, LUPINUS, ETC. MARIPOSA-MAYMEN COMPLEX; GRANITIC, RHYOLITIC SOILS.				
General:	394 PLANTS OBSERVED IN 1993, 201 PLANTS IN 1995, 1994 PLANTS IN MAY 2003, 40 IN JULY 2003. 6 PLANTS SEEN IN THE N-MOST POLYGON IN 2005. NO PLANTS FOUND IN TWO OF THE POLYGONS IN 2007.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	85	Map Index: 25446	EO Index: 5765	Element Last Seen:	2013-07-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2013-07-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-15

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.78502 / -120.39677	Accuracy:	specific area
UTM:	Zone-10 N4296140 E726116	Elevation (ft):	4400
PLSS:	T11N, R14E, Sec. 22 (M)	Acres:	135.0

Location: BETWEEN HIGHWAY 50 AND ICE HOUSE ROAD, NORTH AND NORTHEAST OF WHITE HALL.

Detailed Location: MANY COLONIES MAPPED BY CNDDDB AS 14 POLYGONS, MOSTLY WITHIN SECTION 22. USFS POPULATION #S 03-32, 03-101, 03-102, 03-111, 03-119, AND 03-122. AREA BURNED IN THE 1992 CLEVELAND FIRE.

Ecological: SEVERAL HABITATS INCLUDING OAK FOREST, MIXED CONIFER FOREST, & MONTANE CHAPARRAL. VARIOUS CANOPY DOMINANTS INCLUDE QUERCUS KELLOGGII, Q. CHRYSOLEPIS, PINUS PONDEROSA, CALOCEDRUS; SHRUB DOMINANTS ARE CHAMAEBATIA, CEANOTHUS, ARCTOSTAPHYLOS.

General: POPULATION NUMBERS FOR PORTIONS OF SITE. 800-1000 PLANTS SEEN IN 1989, 43 PLANTS IN 1992, ABOUT 1538 IN 1993, 4 IN N POLYGON IN 1995, UNK # IN 2001, 1112 IN 2006, 12 IN N POLYGON IN 2013. SITES FLAGGED FOR PROTECTION.

Owner/Manager: USFS-ELDORADO NF, PVT

Occurrence No.	86	Map Index: 25440	EO Index: 5764	Element Last Seen:	1996-06-18
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1996-06-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-28

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.78662 / -120.38183	Accuracy:	80 meters
UTM:	Zone-10 N4296354 E727408	Elevation (ft):	5100
PLSS:	T11N, R14E, Sec. 23, NW (M)	Acres:	0.0

Location: ABOUT 0.6 MILE EAST OF THE HEAD OF HALL CANYON AND 1.4 AIR MI NORTHEAST OF WHITE HALL.

Detailed Location: DIRT ROAD TO THE NORTH OF WEBER MILL ROAD (11N38.2) ABOUT 3 MILES EAST OF ICE HOUSE ROAD. PLANTS ARE ON A PLATEAU NORTH OF THE DIRT ROAD. USFS POPULATION #03-110.

Ecological: OLDER MIXED CONIFER FOREST WITH PINUS LAMBERTIANA, P. PONDEROSA, CALOCEDRUS, & QUERCUS KELLOGGII. ASSOCIATED WITH VIOLA, CHLOROGALUM, CLAYTONIA, GILIA, NEMOPHILA, PHACELIA, CHAMAEBATIA, LOTUS, FRITILLARIA, LUPINUS, RANUNCULUS, & CLARKIA.

General: 164 PLANTS OBSERVED IN 1993; THE MAJORITY OF THE POPULATION IN ONE GROUP UNDER MODERATELY OPEN CANOPY. SITE FLAGGED FOR PROTECTION. 83 PLANTS OBSERVED IN 1996.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	87	Map Index: 25447	EO Index: 5763	Element Last Seen:	2004-07-29
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2004-07-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-15
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.76409 / -120.41509		Accuracy:	specific area	
UTM:	Zone-10 N4293771 E724589		Elevation (ft):	4600	
PLSS:	T11N, R14E, Sec. 33, NE (M)		Acres:	12.9	
Location:	NORTH OF BULL CREEK NEAR THE END OF 10N08Y, ABOUT 1 AIR MILE SOUTHWEST OF WHITE HALL.				
Detailed Location:	THREE COLONIES MAPPED AS A SINGLE POLYGON LOCATED SOUTHWEST OF "4854" RIDGE-KNOLL; COLONIES EXTEND FROM 200-800 METERS DOWNSLOPE. USFS POPULATION #03-117.				
Ecological:	ROCKY OPENINGS AND UNDER ARCTOSTAPHYLOS WITHIN CONIFER/OAK WOODLAND. ASSOCIATED WITH PINUS PONDEROSA, QUERCUS KELLOGGII, Q. CHRYSOLEPIS, CALOCEDRUS, CHAMAEBATIA, ETC. MCCARTHY-LEDMOUNT ASSOCIATION SOILS. LAVA ROCK BEDS COMMON ON SLOPE.				
General:	230+ PLANTS OBSERVED IN 1993; SITES FLAGGED FOR PROTECTION FROM LOGGING ACTIVITIES. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2004.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	88	Map Index: 25441	EO Index: 5760	Element Last Seen:	2015-06-05
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-06-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-01
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.75779 / -120.40942		Accuracy:	specific area	
UTM:	Zone-10 N4293086 E725102		Elevation (ft):	4800	
PLSS:	T11N, R14E, Sec. 33, SE (M)		Acres:	8.0	
Location:	HEAD OF BULL CREEK ALONG 10N40 AND 10NY09, ABOUT 1.5 AIR MILES SSW OF WHITE HALL.				
Detailed Location:	MAPPED AS 5 POLYGONS BASED ON USFS DIGITAL DATA, IN THE SE 1/4 SECTION 33 AND THE SW 1/4 SECTION 34. USFS POPULATION #03-105 & #03-140.				
Ecological:	ROCKY OPENINGS & UNDER ARCTOSTAPHYLOS. ASSOCIATES: PINUS PONDEROSA, CALOCEDRUS, QUERCUS KELLOGGII, Q. CHRYSOLEPIS, CHAMAEBATIA, FRITILLARIA, RANUNCULUS, DELPHINIUM, MIMULUS, & CLAYTONIA. MCCARTHY-LEDMOUNT SOILS. BURNED IN 2002 PLUM FIRE.				
General:	POPULATION NUMBERS ARE FOR PORTIONS OF SITE. 197 PLANTS OBSERVED IN 1993, UNKNOWN NUMBER IN 2002, 239 IN 2003, 34 IN 2004, 1 IN 2011, 300-400 IN 2015. SITE FLAGGED FOR PROTECTION. INCLUDES FORMER OCCURRENCE #89.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	90	Map Index: 26061	EO Index: 5208	Element Last Seen:	1993-07-12
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1993-07-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-08-09
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.84283 / -120.53501		Accuracy:	80 meters	
UTM:	Zone-10 N4302223 E713933		Elevation (ft):	3760	
PLSS:	T12N, R13E, Sec. 33, SW (M)		Acres:	0.0	
Location:	EAST OF SILVER CREEK BELOW BIG BEND ALONG 11N60.2, ABOUT 2.6 AIR MILES EAST OF SADDLE MOUNTAIN.				
Detailed Location:	ALONG 11N60.2 WEST OF PEAVINE RIDGE ROAD, THROUGH GATE, AND START DOWN A STEEP GRADE. PLANTS ARE ON THE UPHILL SIDE OF THE ROAD. USFS POPULATION #03-121.				
Ecological:	OAK WOODLAND WITH QUERCUS KELLOGGII, Q. CHRYSOLEPIS, PRUNUS EMARGINATA, RHUS DIVERSILOBA, CORNUS, ETC. MAYMEN-ROCK OUTCROP SOILS.				
General:	10 PLANTS OBSERVED DURING PARTIAL SURVEY 1993, MORE COMPREHENSIVE SURVEY PREVENTED BY ABUNDANCE OF POISON OAK. SITE SHOULD BE FLAGGED AND AVOIDED.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	91	Map Index: 26062	EO Index: 5207	Element Last Seen:	1991-07-15
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	1991-07-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	1994-08-09
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.83157 / -120.54409		Accuracy:	1/5 mile	
UTM:	Zone-10 N4300951 E713178		Elevation (ft):	4200	
PLSS:	T11N, R13E, Sec. 05, NE (M)		Acres:	0.0	
Location:	1/2 AIR MILE WEST OF CAMINO RESERVOIR AND 1.5 AIR MILES EAST OF CAMP SEVEN, EAST OF CHAIX MOUNTAIN.				
Detailed Location:	EAST ON ROAD 12N54 TO 12N23Y TO SUGAR PINE TRAIL ORIGIN. ABOUT 500 METERS DOWNHILL ON THE SUGAR PINE TRAIL. PLANTS ARE ALONGSIDE AND BELOW THE TRAIL UP TO THE FIRST SWITCHBACK. USFS POPULATION #03-60.				
Ecological:	SITE DOMINATED BY QUERCUS KELLOGGII WITH PINUS PONDEROSA AND Q. CHRYSOLEPIS. ASSOCIATES INCLUDE TOXICODENDRON, ARCTOSTAPHYLOS, RHAMNUS, CEANOTHUS, CORYLUS, AND MONARDELLA. MAYMEN-ROCK OUTCROP ASSOCIATION SOILS WITH ABUNDANT SURFACE ROCKS.				
General:	35 PLANTS OBSERVED OVER 10 ACRES IN 1991. TRAIL MAINTENANCE CREWS TO BE MADE AWARE OF THIS OCCURRENCE.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	92	Map Index: 26063	EO Index: 5206	Element Last Seen:	2015-06-03
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-07-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-15
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.82043 / -120.51780		Accuracy:	specific area	
UTM:	Zone-10 N4299777 E715494		Elevation (ft):	4500	
PLSS:	T11N, R13E, Sec. 03, SW (M)		Acres:	43.4	
Location:	RIDGE BETWEEN JAY BIRD CANYON AND ROUND TENT CANYON ABOUT 1.2 AIR MILES SOUTHEAST OF CAMINO RESERVOIR DAM.				
Detailed Location:	ALONG 11N56A AT THE END OF THE RIDGE. PLANTS ARE VISIBLE FROM BLADED SWATH DOWN THE RIDGE. USFS POPULATION #03-77. SITE BURNED IN 2014 KING FIRE.				
Ecological:	OPEN CHAPARRAL RIDGETOP ON ERODING LAVA CAP. ASSOCIATES INCLUDE A FEW STUNTED CALOCEDRUS AND PINUS, QUERCUS CHRYSOLEPIS, Q. KELLOGGII, AND PSEUDOTSUGA. SHRUBS INCLUDE SEVERAL ARCTOSTAPHYLOS SPP. AND GARRYA. LEDMOUNT-ROCK OUTCROP SOILS.				
General:	100+ PLANTS SEEN IN 1990, FULL POPULATION SIZE ESTIMATED TO BE 400-500; BLADED RIDGETOP TO BE RESTORED BY HAND TO OBLITERATE TRACTOR LINE. NO PLANTS IN 2010. ABOUT 365 PLANTS OBSERVED IN JUNE 2015, NO PLANTS AT N END OF SITE IN JULY 2015.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	93	Map Index: 26064	EO Index: 5205	Element Last Seen:	2015-07-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-07-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-15
Quad Summary:	Riverton (3812074), Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.81893 / -120.5026		Accuracy:	specific area	
UTM:	Zone-10 N4299647 E716819		Elevation (ft):	4650	
PLSS:	T11N, R13E, Sec. 3, SE (M)		Acres:	8.0	
Location:	RIDGE BETWEEN JAY BIRD CANYON AND ROUND TENT CANYON, ABOUT 1.7 AIR MILES ESE OF CAMINO RESERVOIR DAM.				
Detailed Location:	2 MILES WEST ON 11N56A FROM 11N56. MAPPED AS 7 POLYGONS BASED ON ELDORADO NF DIGITAL DATA, IN THE SE 1/4 SECTION 3 AND THE SW 1/4 SECTION 2. USFS POPULATION #03-45 AND #03-80.				
Ecological:	VEGETATION IN THE AREA INCLUDES QUERCUS CHRYSOLEPIS, PRUNUS SUBCORDATA, ARCTOSTAPHYLOS MEWUKKA, CLARKIA, NAVARRETIA PROLIFERA LUTEA, ALLIUM, PENSTEMON, ERIOPHYLLUM, GALIUM, CHAMAEBATIA, AND CHLOROGALUM. LEDMOUNT-ROCK SOILS.				
General:	NW-MOST POLYGON: 5 PLANTS OBSERVED IN 1992, NO PLANTS IN 2015. REMAINING POLYGONS HAD 47 PLANTS IN 1990, 12 IN 1994, NO PLANTS FOUND IN 2010, ABOUT 280-300 PLANTS IN 2015. SITE BURNED IN 2014 KING FIRE.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	94	Map Index: 72722	EO Index: 73540	Element Last Seen:	2012-07-18
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2012-07-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27

Quad Summary: Caldor (3812054)

County Summary: Amador

Lat/Long:	38.52844 / -120.44199	Accuracy:	specific area
UTM:	Zone-10 N4267551 E722981	Elevation (ft):	4700
PLSS:	T08N, R14E, Sec. 21, SW (M)	Acres:	14.0

Location: JUST NORTH AND SE OF THE INTERSECTION OF HWY 88 AND OMO RANCH ROAD, NW OF COOKS STATION.

Detailed Location: MAPPED AS 2 POLYGONS. USFS POPULATION #03-04 (FORMERLY 03-04A) & 03-64 (03-51-J). THIS OCCURRENCE MAY BE A PART OF EO #5; NEED SURVEY DATA FOR PORTIONS OF OMO RANCH ROAD SEPARATING THESE EOS.

Ecological: LOWER MONTANE CONIFEROUS FOREST. COBBLY ANDESITIC OPENING AMONG PONDEROSA PINES, BLACK OAKS, CEDARS, AND SPARSE BEAR CLOVER. OTHER ASSOCIATES INCLUDE WHITE FIR, CLARKIA RHOMBOIDEA, MONARDELLA LANCEOLATA, BROMUS TECTORUM, ETC.

General: N POLYGON: 15 PLANTS IN 1984, 53 PRIMARY LEAVES IN 1986 (~12 HAVE STEMS), 185 PLANTS IN 1989, NONE IN 2005. S POLYGON: 2 PLANTS IN JULY 1991 (SURVEYED LATE IN SEASON, MORE PLANTS MAY OCCUR HERE), 7 PLANTS SEEN IN 2001. SEEN IN AREA IN 2012.

Owner/Manager: USFS-ELDORADO NF, PVT

Occurrence No.	95	Map Index: 72723	EO Index: 73548	Element Last Seen:	2002-05-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2002-05-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-27

Quad Summary: Caldor (3812054)

County Summary: El Dorado

Lat/Long:	38.61746 / -120.38276	Accuracy:	80 meters
UTM:	Zone-10 N4277577 E727864	Elevation (ft):	5280
PLSS:	T09N, R14E, Sec. 24, NW (M)	Acres:	0.0

Location: EAST SIDE OF RIDGE SEPARATING DOGTOWN CREEK AND MCKINNEY CREEK, 2 AIR MILES ENE OF CALDOR RANGER STATION.

Detailed Location: UNSURE IF THIS IS A CONTINUOUS POPULATION WITH EO #25 OR IF THIS IS A DISTINCT OCCURRENCE; 1990 GIBSON & NIELSEN MAP IS UNCLEAR.

Ecological: OPENING IN WESTSIDE PONDEROSA PINE FOREST. DOMINANTS INCLUDE PSEUDOTSUGA, CHAMAEBATIA, CALOEDRUS, CLARKIA, AND ERIOPHYLLUM. ASSOCIATED WITH BRODIAEA, CALOCHORTUS LEICHTLINII, AND VIOLA. MCCARTHY GRAVELLY SANDY LOAMS.

General: 129 PLANTS SEEN IN 1990 BETWEEN THIS AND EO #25; SITE HAS BEEN FLAGGED TO REDUCE LOGGING IMPACTS. 9 PLANTS OBSERVED IN 2002.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	98	Map Index: 72726	EO Index: 73554	Element Last Seen:	2005-06-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-06-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-05
Quad Summary:	Devils Nose (3812044), Caldor (3812054)				
County Summary:	Amador				
Lat/Long:	38.49962 / -120.47132		Accuracy:	specific area	
UTM:	Zone-10 N4264281 E720512		Elevation (ft):	4300	
PLSS:	T08N, R14E, Sec. 31, SE (M)		Acres:	9.0	
Location:	ON A SLOPE ABOVE LONG JOHN CREEK, 1.25 AIR MILES SSE OF DEW DROP CDF STATION ON SR-88.				
Detailed Location:	THIS POPULATION IS SPI POPULATION #062405 E.				
Ecological:	MIXED CONIFER FOREST. PONDEROSA PINE PLANTATION WITH BLACK OAK, INCENSE CEDAR, CEANOTHUS INTEGERRIMUS, ARCTOSTAPHYLOS PATULA, DICHELOSTEMMA, ERIOPHYLLUM; METASEDIMENTARY SOILS, SW ASPECT.				
General:	200 PLANTS SEEN IN 2005; PLANTS ARE SCATTERED THROUGHOUT THE PLANTATION. SOME AREAS WERE AVOIDED BY OPERATIONS, BUT MANY PLANTS APPEAR TO HAVE TOLERATED TREE PLANTING AND MAINTENANCE WORK QUITE WELL ACCORDING TO ENGSTROM ET AL. 2005.				
Owner/Manager:	PVT				
Occurrence No.	99	Map Index: 72727	EO Index: 73556	Element Last Seen:	2007-07-16
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-07-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-05
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.53338 / -120.48638		Accuracy:	80 meters	
UTM:	Zone-10 N4267992 E719096		Elevation (ft):	4500	
PLSS:	T08N, R13E, Sec. 24, NE (M)		Acres:	0.0	
Location:	BETWEEN SCOTT CREEK AND OREGON GULCH, JUST NORTH OF FARNHAM RIDGE.				
Detailed Location:					
Ecological:	FOUND ALONG RIDGETOP IN A LOWER ELEVATION MIXED CONIFER FOREST WITH PREDOMINATELY CHAMEABATIA FOLIOLOSA, PENSTEMON SP., QUERCUS KELLOGGII, PINUS PONDEROSA, BROMUS TECTORUM.				
General:	6 PLANTS SEEN IN 2007.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	100	Map Index: 72728	EO Index: 73557	Element Last Seen:	2005-06-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-06-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-05
Quad Summary:	Caldor (3812054)				
County Summary:	Amador				
Lat/Long:	38.51516 / -120.43315		Accuracy:	80 meters	
UTM:	Zone-10 N4266099 E723793		Elevation (ft):	4825	
PLSS:	T08N, R14E, Sec. 28, SE (M)		Acres:	0.0	
Location:	0.75 AIR MILE SOUTH OF COOKS STATION ON SR-88, JUST EAST OF COOKS STATION RIDGE.				
Detailed Location:	ADJACENT TO A LOGGING ROAD. THIS IS SPI POPULATION #062405 D.				
Ecological:	MIXED CONIFER FOREST. PONDEROSA PINE, INCENSE CEDAR, BLACK OAK, CLARKIA RHOMBOIDEA, CHAMAEBATIA FOLIOLOSA, SENECIO; S ASPECT; MEHRTEN SOILS.				
General:	50 PLANTS OBSERVED IN 2005. HARVEST AND REPLANTING HAS OCCURRED IN THE AREA; HOWEVER, PLANT LOCATIONS WERE NOT IMPACTED.				
Owner/Manager:	PVT				
Occurrence No.	101	Map Index: 72729	EO Index: 73559	Element Last Seen:	1993-08-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1993-08-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-10-29
Quad Summary:	Omo Ranch (3812055)				
County Summary:	El Dorado				
Lat/Long:	38.56933 / -120.54178		Accuracy:	80 meters	
UTM:	Zone-10 N4271852 E714160		Elevation (ft):	3400	
PLSS:	T08N, R13E, Sec. 04, SE (M)		Acres:	0.0	
Location:	JUST SOUTH OF WASHINGTON MINE ON THE EAST SIDE OF SOPIAGO CREEK, SE OF OMO RANCH.				
Detailed Location:	MAPPED ACCORDING TO A 1998 MAP.				
Ecological:	ROCKY XERIC OPENINGS IN YELLOW PINE FOREST. ASSOCIATED SPECIES INCLUDE PINUS PONDEROSA, CALOCEDRUS DECURRENS, CEANOTHUS INTEGERRIMUS, ARCTOSTAPHYLOS SP., CHAMAEBATIA FOLIOLOSA, & TOXICODENDRON DIVERSILOBUM.				
General:	UNKNOWN NUMBER OF PLANTS SEEN IN 1993.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	102	Map Index: 72730	EO Index: 73560	Element Last Seen: 1993-08-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1993-08-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2008-10-29

Quad Summary: Omo Ranch (3812055)

County Summary: El Dorado

Lat/Long:	38.53020 / -120.54219	Accuracy:	80 meters
UTM:	Zone-10 N4267508 E714241	Elevation (ft):	3400
PLSS:	T08N, R13E, Sec. 21, SE (M)	Acres:	0.0

Location: JUST SOUTH OF SCOTT CREEK AT THE NE END OF FARNHAM RIDGE.

Detailed Location: MAPPED ACCORDING TO A 1998 MAP.

Ecological: ROCKY XERIC OPENINGS IN YELLOW PINE FOREST. ASSOCIATED SPECIES INCLUDE PINUS PONDEROSA, CALOCEDRUS DECURRENS, CEANOTHUS INTEGERRIMUS, ARCTOSTAPHYLOS SP., CHAMAEBATIA FOLIOLOSA, & TOXICODENDRON DIVERSILOBUM.

General: UNKNOWN NUMBER OF PLANTS SEEN IN 1993.

Owner/Manager: UNKNOWN

Occurrence No.	103	Map Index: 72731	EO Index: 73561	Element Last Seen: 1993-08-XX
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1993-08-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2008-10-29

Quad Summary: Omo Ranch (3812055)

County Summary: El Dorado

Lat/Long:	38.53494 / -120.53451	Accuracy:	80 meters
UTM:	Zone-10 N4268052 E714895	Elevation (ft):	3400
PLSS:	T08N, R13E, Sec. 22, NW (M)	Acres:	0.0

Location: JUST N OF SCOTT CRK APPROX 1.2 AIR MI W OF THE CONFLUENCE OF SCOTT CREEK & OREGON GULCH, S OF THE W END OF BARNEY RIDGE.

Detailed Location: MAPPED ACCORDING TO A 1998 MAP.

Ecological: ROCKY XERIC OPENINGS IN YELLOW PINE FOREST. ASSOCIATED SPECIES INCLUDE PINUS PONDEROSA, CALOCEDRUS DECURRENS, CEANOTHUS INTEGERRIMUS, ARCTOSTAPHYLOS SP., CHAMAEBATIA FOLIOLOSA, & TOXICODENDRON DIVERSILOBUM.

General: UNKNOWN NUMBER OF PLANTS SEEN IN 1993.

Owner/Manager: UNKNOWN



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Occurrence No.	104	Map Index: 72732	EO Index: 73562	Element Last Seen:	2003-07-08
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2003-07-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-05

Quad Summary: Old Iron Mountain (3812064)
County Summary: El Dorado

Lat/Long:	38.71793 / -120.38973	Accuracy:	80 meters
UTM:	Zone-10 N4288711 E726939	Elevation (ft):	5138
PLSS:	T10N, R14E, Sec. 14, SE (M)	Acres:	0.0

Location: KNOLL DIVIDING PLUM CREEK FROM THE WEST FORK, APPROXIMATELY 1 AIR MILE SE OF DARLINGTON.
Detailed Location: MAPPED ACCORDING TO 2003 GPS COORDINATES FROM STAPLETON. LOCATED ON OLD TRACTOR TRAILS ON A RIDGE TOP. THIS IS SPI POPULATION #03020.
Ecological: OPEN PINUS PONDEROSA-CHAMAEBATIA FOLIOLOSA FOREST. DOMINANT HARDWOOD TREES ARE SHRUBLIKE CA BLACK OAK, LIVE OAK, & INCENSE CEDAR. UNDERSTORY SPP INCL MOUNTAIN MISERY, DEERBRUSH, MANZANITA, COMMON SOAPROOT. SOILS ARE COBBLY SILT LOAM.
General: UNKNOWN NUMBER OF PLANTS SEEN IN 2002. 100 PLANTS SEEN IN 2003. PAST MANAGEMENT HAS BEEN THROUGH SELECTIVE CUTTING.
Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	105	Map Index: 72733	EO Index: 73563	Element Last Seen:	2005-06-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-06-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-05

Quad Summary: Sly Park (3812065)
County Summary: El Dorado

Lat/Long:	38.72476 / -120.52740	Accuracy:	80 meters
UTM:	Zone-10 N4289137 E714948	Elevation (ft):	3790
PLSS:	T10N, R13E, Sec. 15, NW (M)	Acres:	0.0

Location: BTWN MORMON EMIGRANT TRAIL & CAMP CRK ~0.4 AIR MI NW OF THE CONFLUENCE OF CAMP CRK & BALTIC CRK, E OF JENKINSON LAKE.
Detailed Location: THIS IS SPI POPULATION #062405 A.
Ecological: OPENINGS IN MIXED CONIFER FOREST, SOILS ARE MORE ROCKY AT SURFACE. PONDEROSA PINE, BLACK OAK, INCENSE CEDAR, SUGAR PINE, ARCTOSTAPHYLOS, CHAMAEBATIA, ASPIDOTIS, MONARDELLA, CHLOROGALUM, ERIOPHYLLUM. S ASPECT. NAVARRETIA PROLIFERA IN AREA.
General: 200 PLANTS SEEN IN 2005. AREA IS SCHEDULED FOR HARVEST; PROTECTION MEASURES ARE TO BE INCORPORATED INTO HARVEST PLAN.
Owner/Manager: PVT



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Occurrence No.	106	Map Index: 72734	EO Index: 73564	Element Last Seen:	2005-07-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-07-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-10-29
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.75903 / -120.39543		Accuracy:	specific area	
UTM:	Zone-10 N4293259 E726313		Elevation (ft):	4950	
PLSS:	T11N, R14E, Sec. 34, NE (M)		Acres:	10.0	
Location:	ON BOTH SIDES OF MILL CREEK APPROXIMATELY 1 MILE SOUTH OF ITS CONFLUENCE WITH THE AMERICAN RIVER, SSE OF WHITE HALL.				
Detailed Location:	WEST POLYGON MAPPED ACCORDING TO A 2003 GPS COORDINATES FROM STAPLETON (SPI POPULATION #03019). EAST POLYGON MAPPED ACCORDING TO 2005 GPS COORDINATES FROM LITTLE (SPI POPULATION #CAM07115).				
Ecological:	FOUND ON A ROCKY AREA ASSOCIATED WITH THE MEHRTEN FORMATION AND GRANITIC CHAIX SOILS. THE FOREST CANOPY IS OPEN, CONSISTING OF ISOLATED INDIVIDUAL CA BLACK OAK, LIVE OAK, AND INCENSE CEDAR. THE UNDERSTORY CONTAINS MANZANITA, DEERBRUSH, ETC.				
General:	WEST POLYGON: 25 PLANTS OBSERVED IN 2003. EAST POLYGON: 50 PLANTS OBSERVED IN 2005.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	107	Map Index: 72735	EO Index: 73565	Element Last Seen:	2003-06-19
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2003-06-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-10-29
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.78374 / -120.60062		Accuracy:	80 meters	
UTM:	Zone-10 N4295512 E708410		Elevation (ft):	3700	
PLSS:	T11N, R12E, Sec. 23, SE (M)		Acres:	0.0	
Location:	APPROXIMATELY 0.44 AIR MILE NNW OF THE INTERSECTION OF FOREBAY RD/FOREST ROUTE 19 & KODIAK TRAIL, NW OF POLLOCK PINES.				
Detailed Location:	PLANTS ARE ON THE EDGE OF A SERVICE ROAD FOR THE PIPELINE.				
Ecological:	UPPER SLOPES OF THE SOUTH FORK OF THE AMERICAN RIVER HANGING OVER A SMALL LANDSLIDE AREA. ASSOCIATES INCLUDE ACER MACROPHYLLUM, PHILADELPHUS LEWISII, DICENTRA FORMOSA, ERIOPHYLLUM LANATUM, ACHILLEA MILLEFOLIUM, QUERCUS CHRYSOLEPIS, ETC.				
General:	14 PLANTS SEEN IN 2003.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	108	Map Index: 94484	EO Index: 95597	Element Last Seen:	2015-08-06
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-08-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-01

Quad Summary: Caldor (3812054)

County Summary: El Dorado

Lat/Long:	38.58481 / -120.43166	Accuracy:	specific area
UTM:	Zone-10 N4273832 E723708	Elevation (ft):	4750
PLSS:	T09N, R14E, Sec. 33, SE (M)	Acres:	3.0

Location: RIDGE EAST OF ELKINS FLAT, APPROXIMATELY 0.4 AIR MILE EAST OF CONFLUENCE OF MIDDLE DRY CREEK AND SIMPSON GULCH.

Detailed Location: MAPPED AS 2 POLYGONS IN THE WEST 1/2 OF THE SE 1/4 OF SECTION 33. WEST POLYGON BASED ON 2015 ELDORADO NF DIGITAL DATA, EAST POLYGON BASED ON 2014 NRIS DATA. SENSITIVE AREA TAG IS ON THE BACK SIDE OF A LARGE PONDEROSA PINE NEXT TO OHV TRAIL.

Ecological: SUNNY OPENING IN PINE, OAK, AND CEDAR FOREST. MILD SW ASPECT. UNDERLYING SOILS ARE MCCARTHY-LEDMOUNT SERIES. AREA HAS BEEN BURNED, THOUGH NOT RECENTLY. GROWING IN MODERATELY DEEP CHAMAEBATIA FOLIOLOSA. BROMUS TECTORUM ALSO PRESENT.

General: EAST POLYGON: 9 PLANTS OBSERVED IN 2000, 7 PLANTS IN 2004. WEST POLYGON: 27 PLANTS OBSERVED IN 2010, 2+ PLANTS SEEN IN 2015 (FULL PLANT COUNT WAS NOT CONDUCTED AS SURVEYS WERE LATE IN SEASON). USFS POPULATION #134.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	109	Map Index: 94485	EO Index: 95598	Element Last Seen:	2010-06-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2010-06-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-11-17

Quad Summary: Old Iron Mountain (3812064)

County Summary: El Dorado

Lat/Long:	38.74058 / -120.47246	Accuracy:	80 meters
UTM:	Zone-10 N4291022 E719676	Elevation (ft):	4600
PLSS:	T10N, R14E, Sec. 07, NW (M)	Acres:	0.0

Location: APPROXIMATELY 0.6 AIR MILE NORTH OF THE CONFLUENCE OF NORTH SLY PARK CREEK AND SLY PARK CREEK, WEST OF IRON MOUNTAIN.

Detailed Location: MAPPED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 7 ACCORDING TO 2010 WAVERLY COORDINATES.

Ecological: SOUTH FACING RIDGE TOP. LAVA CAP/MARGINS OF LAVA CAP. OPEN FOREST.

General: 50 PLANTS OBSERVED IN 2010.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	110	Map Index: 94486	EO Index: 95599	Element Last Seen:	2011-07-07
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2011-07-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-11-17

Quad Summary: Old Iron Mountain (3812064)
County Summary: El Dorado

Lat/Long:	38.74030 / -120.44146	Accuracy:	80 meters
UTM:	Zone-10 N4291066 E722372	Elevation (ft):	4820
PLSS:	T10N, R14E, Sec. 08, NE (M)	Acres:	0.0

Location: APPROXIMATELY 2.04 AIR MILES NE OF WHERE PARK CREEK RD CROSSSES PARK CREEK, IRON MOUNTAIN.
Detailed Location: JUST SOUTHWEST OF GIRARD MILL SITE. MAPPED IN THE NE 1/4 OF THE NE 1/4 OF SECTION 8 ACCORDING TO 2011 TIESEN COORDINATES.
Ecological: OBSERVED WHILE DRIVING DOWN A RIDGE TOP ROAD. SOILS MAPPED AS CROZIER-COHASSET LOAMS, 5-30 % SLOPES.
General: 2 PLANTS OBSERVED DURING A LIMITED SURVEY IN 2011.
Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	111	Map Index: 94487	EO Index: 95600	Element Last Seen:	2011-07-07
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2011-07-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-11-17

Quad Summary: Old Iron Mountain (3812064)
County Summary: El Dorado

Lat/Long:	38.73102 / -120.45293	Accuracy:	80 meters
UTM:	Zone-10 N4290008 E721403	Elevation (ft):	4600
PLSS:	T10N, R14E, Sec. 08, SW (M)	Acres:	0.0

Location: APPROXIMATELY 1.35 AIR MILES EAST OF WHERE PARK CREEK ROAD CROSSSES PARK CREEK, SOUTH OF NORTH PARK CREEK.
Detailed Location: MAPPED NEAR THE CENTER OF THE SW 1/4 OF SECTION 8 ACCORDING TO 2011 TIESEN COORDINATES.
Ecological: CLARKIA VIRGATA ALSO INTERMIXED. MANZANITA, BEAR CLOVER, VARIOUS ANNUAL GRASSES AND DEER BRUSH ARE PRESENT AS WELL AS DOUGLAS-FIR, INCENSE CEDAR, BLACK OAK, AND PONDEROSA PINE. RIDGE WITH MOST PLANTS ON THE SW-FACING PART OF RIDGE.
General: 100+ PLANTS OBSERVED IN 2011.
Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	112	Map Index: A0489	EO Index: 102050	Element Last Seen:	2015-10-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-10-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-14

Quad Summary: Caldor (3812054)
County Summary: El Dorado

Lat/Long:	38.5904 / -120.42133	Accuracy:	specific area
UTM:	Zone-10 N4274478 E724590	Elevation (ft):	4800
PLSS:	T09N, R14E, Sec. 34, NW (M)	Acres:	1.0

Location: RIDGE NORTH OF SIMPSON GULCH; 0.5 AIR MILE SOUTH OF CALDOR LOGGING RD AND ABOUT 1 AIR MILE EAST OF ELKINS FLAT.
Detailed Location: SOUTH SIDE OF TRAIL 14E28. MAPPED FROM 2015 ELDORADO NF DIGITAL DATA IN THE SW 1/4 NW 1/4 SECTION 34.
Ecological: OPEN LAVA CAP ALONG RIDGE. GROWING WITHIN 5 FEET OF OHV TRAIL.
General: 1 PLANT OBSERVED IN 2015. INCIDENTAL OBSERVATION, ADDITIONAL SURVEYS NEEDED. ELDORADO NF POPULATION #148.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	113	Map Index: A0491	EO Index: 102052	Element Last Seen:	2015-04-23
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-04-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-05

Quad Summary: Riverton (3812074)
County Summary: El Dorado

Lat/Long:	38.75794 / -120.41968	Accuracy:	specific area
UTM:	Zone-10 N4293077 E724210	Elevation (ft):	4450
PLSS:	T11N, R14E, Sec. 33, W (M)	Acres:	2.0

Location: RIDGE BETWEEN BULL CREEK AND PLUM CREEK, ABOUT 1.5 AIR MI SW OF WHITE HALL AND 0.9 MILE NORTH OF PLUM CREEK MILL SITE.
Detailed Location: MAPPED AS 2 POLYGONS IN THE WEST HALF OF SECTION 33. EAST POLYGON BASED ON USFS DIGITAL DATA SUBMITTED IN 2014, WEST POLYGON BASED ON 2015 DIGITAL DATA SUBMITTED BY ELDORADO NF.
Ecological: LAVA CAP ALONG DECOMMISSIONED ROAD, WITH CHEAT GRASS. 20% NORTH-FACING SLOPE, IN FULL SUN.
General: EAST POLYGON: 60 PLANTS OBSERVED IN 2000, 56 PLANTS IN 2001, 7 IN 2004. WEST POLYGON: ABOUT 25 PLANTS OBSERVED IN 2015, BUT COMPLETE COUNT WAS NOT MADE BECAUSE IT WAS EARLY IN THE SEASON. ELDORADO NF POPULATION #136.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	114	Map Index: A0492	EO Index: 102053	Element Last Seen:	2015-06-08
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-13

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.77698 / -120.48819	Accuracy:	specific area
UTM:	Zone-10 N4295025 E718198	Elevation (ft):	3720
PLSS:	T11N, R13E, Sec. 23, E (M)	Acres:	1.0

Location: ABOUT 0.4 AIR MILE SOUTH OF WHITE MEADOW AND 0.75 AIR MILE NORTH OF HWY 50, EAST OF BROCKLISS CANYON.
Detailed Location: MAPPED FROM 2015 ELDORADO NF DIGITAL DATA IN THE EAST HALF OF SECTION 23.
Ecological: GROWING AMONG CHLOROGALUM POMERIDIANUM IN CLEARING IN BURNED PINE FOREST. SITE BURNED IN 2014 KING FIRE.
General: ABOUT 100 PLANTS OBSERVED IN 2015. ELDORADO NF POPULATION #144.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	115	Map Index: A0496	EO Index: 102056	Element Last Seen:	2015-06-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-13

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.80395 / -120.50049	Accuracy:	specific area
UTM:	Zone-10 N4297989 E717048	Elevation (ft):	4680
PLSS:	T11N, R13E, Sec. 11, SW (M)	Acres:	3.0

Location: ABOUT 2.2 ROAD MILES WEST OF PEAVINE RIDGE RD ALONG FOREST RD 11N63, ABOVE NORTH FORK SOLDIER CREEK.
Detailed Location: ABOUT 0.25 MILE SOUTH, AND 100-1000 FT SOUTH, OF ROAD 11N63. MAPPED AS 2 POLYGONS FROM 2015 ELDORADO NF DIGITAL DATA IN THE WEST HALF OF THE SW 1/4 SECTION 11.
Ecological: SMALL PATCHES AT EDGE OF LARGE CLEARING WITH DENSE POPULATION OF CHLOROGALUM, WITHIN BURNED MANZANITA AND PINE FOREST. SITE BURNED IN 2014 KING FIRE.
General: 42 PLANTS OBSERVED IN NORTH POLYGON AND 40 IN SOUTH POLYGON IN 2015. ELDORADO NF POPULATION #145.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	116	Map Index: A0497	EO Index: 102058	Element Last Seen:	2015-07-08
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-07-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-05
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.81363 / -120.48589		Accuracy:	specific area	
UTM:	Zone-10 N4299099 E718286		Elevation (ft):	4700	
PLSS:	T11N, R13E, Sec. 11, NE (M)		Acres:	18.0	
Location:	NORTH OF ROUND TENT CANYON RD, ABOUT 1.3 ROAD MILES WEST OF JUNCTION WITH PEAVINE RIDGE RD.				
Detailed Location:	WALK ABOUT 1/4 MILE UPHILL FROM ROAD TO NATURAL OPENING ON RIDGETOP. MAPPED AS 6 POLYGONS FROM NRIS DIGITAL DATA AND 2015 ELDORADO NF DIGITAL DATA IN THE NE 1/4 SECTION 11.				
Ecological:	LAVA CAP WITHIN MIXED CONIFER-OAK WOODLAND AND CHAPARRAL, ALONG SEASONAL DRAINAGE AND SOUTH-FACING HILL. GROWING WITH THE RARE NAVARRETIA PROLIFERA SSP. LUTEA. SITE BURNED IN 2014 KING FIRE.				
General:	255 PLANTS OBSERVED IN 1990. NO PLANTS FOUND IN SOUTHERN TWO POLYGONS IN 2007. 318 PLANTS OBSERVED IN 2015. ELDORADO NF POPULATION #36 & #37.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	117	Map Index: A0516	EO Index: 102078	Element Last Seen:	2015-06-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-14
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.85434 / -120.46082		Accuracy:	80 meters	
UTM:	Zone-10 N4303677 E720337		Elevation (ft):	4800	
PLSS:	T12N, R13E, Sec. 25, SE (M)		Acres:	5.0	
Location:	ABOUT 0.25 MILE NW OF DAM AT JUNCTION RESERVOIR.				
Detailed Location:	MAPPED BY CNDDDB BASED ON 2015 SPI COORDINATES, ON SECTION LINE BETWEEN SE 1/4 OF SECTION 25 AND SW 1/4 OF SECTION 30. THE RARE PHACELIA STEBBINSII ALSO OCCURS HERE.				
Ecological:	OPEN ROCKY SLOPE BELOW MIXED CONIFER FOREST ABOVE SILVER CREEK. ASSOCIATES INCLUDE QUERCUS CHRYSOLEPIS, GARRYA FREMONTII, CHEILANTHES GRACILIMA, STREPTANTHUS TORTUOSUS, COLLOMIA GRANDIFLORA, ARCTOSTAPHYLOS VISCIDA, ETC. 80% SLOPE, S ASPECT.				
General:	1000+ PLANTS OBSERVED AT THIS SITE, THOUGH FULL EXTENT OF OCCURRENCE WAS NOT SURVEYED. SITE BURNED IN 2014 KING FIRE. HUGE NUTRIENT FLUSH AND SPRING THUNDERSTORMS RESULTED IN VERY HANDSOME PLANTS THIS YEAR (2015).				
Owner/Manager:	PVT-SIERRA PACIFIC, USFS				



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Occurrence No.	118	Map Index: A0519	EO Index: 102081	Element Last Seen:	2015-05-29
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-05-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-05

Quad Summary: Pollock Pines (3812075)
County Summary: El Dorado

Lat/Long:	38.78033 / -120.52008	Accuracy:	specific area
UTM:	Zone-10 N4295320 E715417	Elevation (ft):	4300
PLSS:	T11N, R13E, Sec. 22, NW (M)	Acres:	3.0

Location: ABOUT 1.4 AIR MILES NORTH OF HWY 50 AND 0.25 MILE NW OF VAN VLECK.
Detailed Location: MAPPED BY CNDDDB BASED ON 2015 ELDORADO NF DIGITAL DATA, IN THE NW 1/4 NW 1/4 SECTION 22. USFS POPULATION #46.
Ecological: EVENLY DISTRIBUTED ALONG SOUTH-FACING SLOPE BETWEEN TWO LAVA CAPS. 20% SLOPE, SW ASPECT. SITE BURNED IN 2014 KING FIRE.
General: 100 PLANTS OBSERVED IN 1990, 61 PLANTS IN 2004, 6 PLANTS IN 2009. HUNDREDS OF PLANTS OBSERVED IN 2015.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	119	Map Index: A0533	EO Index: 102092	Element Last Seen:	2015-06-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-06-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-06

Quad Summary: Pollock Pines (3812075)
County Summary: El Dorado

Lat/Long:	38.79248 / -120.59112	Accuracy:	specific area
UTM:	Zone-10 N4296504 E709210	Elevation (ft):	2800
PLSS:	T11N, R12E, Sec. 24, NW (M)	Acres:	2.0

Location: ABOUT 0.2 AND 0.4 AIR MILE NNW OF THE MOUTH OF SILVER CREEK, ON RIDGE ABOVE THE SOUTH FORK AMERICAN RIVER.
Detailed Location: OFF OF SMUD USE TRAIL. MAPPED AS 2 POLYGONS BY CNDDDB BASED ON 2015 ELDORADO NF DIGITAL DATA, IN THE SW 1/4 SECTION 13 AND THE NW 1/4 SECTION 24. USFS POPULATION #142.
Ecological: ROCKY, STEEP SOUTH-FACING SLOPE. MAYMEN ROCK OUTCROPS.
General: NORTH POLYGON: 10 PLANTS OBSERVED IN 2012, NO PLANTS OBSERVED ON 6/17/2015. SOUTH POLYGON: HUNDREDS OF PLANTS OBSERVED ON 6/1/2015.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	120	Map Index: A0539	EO Index: 102100	Element Last Seen:	2016-06-08
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-06

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.83372 / -120.51899	Accuracy:	specific area
UTM:	Zone-10 N4301250 E715352	Elevation (ft):	4550
PLSS:	T11N, R13E, Sec. 3, NW (M)	Acres:	3.0

Location: ABOUT 0.7 AIR MILE DUE EAST OF MOUTH OF JAY BIRD CANYON, ALONG FOREST ROAD 11N60 (JAY SPRINGS RD).

Detailed Location: ABOUT 100 FEET FROM ROAD, UNDER POWER LINES WITHIN SMUD TRANSMISSION CORRIDOR. MAPPED BY CNDDDB BASED ON 2015 ELDORADO NF DIGITAL DATA, IN THE NW 1/4 NW 1/4 SECTION 3.

Ecological: WITHIN LAVA CAP IN BURNED MIXED CONIFER FOREST AND MANZANITA. ASSOCIATES INCLUDE THE RARE CHLOROGALUM GRANDIFLORUM, PHACELIA STEBBINSII, AND STREPTANTHUS LONGISILIQUUS. LEDMOUNT-ROCK OUTCROP COMPLEX. SITE BURNED IN 2014 KING FIRE.

General: 60 PLANTS SEEN IN 2000. ABOUT 100 PLANTS OBSERVED IN 2015. UNKNOWN NUMBER SEEN IN 2016. ELDORADO NF POPULATION #138-01.

Owner/Manager: USFS-ELDORADO NF, SMUD

Occurrence No.	121	Map Index: A0571	EO Index: 102121	Element Last Seen:	2015-06-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-15

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.85106 / -120.50873	Accuracy:	80 meters
UTM:	Zone-10 N4303199 E716189	Elevation (ft):	4740
PLSS:	T12N, R13E, Sec. 27, SW (M)	Acres:	5.0

Location: 2.75 AIR MILES WEST OF DAM AT JUNCTION RESERVOIR ABOVE SILVER CREEK, SOUTH OF FOREST ROAD 12N20.

Detailed Location: MAPPED BY CNDDDB IN THE SE 1/4 SW 1/4 SECTION 27, BASED ON 2015 ENGSTROM COORDINATES.

Ecological: OPENING IN MIXED CONIFER FOREST ABOVE CREEK, GRANITIC SOILS, S TO SE ASPECT. ASSOCIATES INCLUDE PINUS PONDEROSA, P. LAMBERTIANA, CALOCEDRUS, CHAMAEBATIA AND THE RARE CHLOROGALUM GRANDIFLORUM. SITE BURNED IN 2014 KING FIRE.

General: 100+ PLANTS OBSERVED IN 2015.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	122	Map Index: A0572	EO Index: 102123	Element Last Seen:	2015-06-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-15

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.8555 / -120.52362	Accuracy:	specific area
UTM:	Zone-10 N4303656 E714884	Elevation (ft):	4295
PLSS:	T12N, R13E, Sec. 28, SE (M)	Acres:	4.0

Location: NORTH OF SILVER CREEK AND JUST EAST OF DAVIS CREEK, 2.8 AIR MILES SE OF LOOKOUT MOUNTAIN.

Detailed Location: MAPPED BY CNDDDB IN THE NW 1/4 SE 1/4 SECTION 28, BASED ON 2015 TIESEN COORDINATES.

Ecological: VERY STEEP AND ROCKY SITE IN MIXED CONIFER FOREST, SSW ASPECT. GROWING WITH THICK CHLOROGALUM POMERIDIANUM AND SOME CHLOROGALUM GRANDIFLORUM, AS WELL AS GARRYA FREMONTII AND ARCTOSTAPHYLOS. SITE BURNED IN 2014 KING FIRE.

General: 3,000-5,000 PLANTS ESTIMATED IN 2015, THOUGH WHOLE OCCURRENCE WAS NOT SURVEYED AND PLANTS MAY EXTEND OUTSIDE OF MAPPED AREA.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	123	Map Index: A0574	EO Index: 102127	Element Last Seen:	2015-06-30
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-30
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-15

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.85933 / -120.53324	Accuracy:	specific area
UTM:	Zone-10 N4304058 E714038	Elevation (ft):	4150
PLSS:	T12N, R13E, Sec. 28, W (M)	Acres:	7.0

Location: JUST EAST OF ONION CREEK AND NORTH OF SILVER CREEK, ABOUT 2.2 AIR MILES SE OF LOOKOUT MOUNTAIN.

Detailed Location: MAPPED BY CNDDDB AS 3 POLYGONS IN THE SE 1/4 OF THE NE 1/4 OF SECTION 29 AND THE WEST HALF OF SECTION 28, BASED ON 2015 TIESEN COORDINATES.

Ecological: ROCKY OPENINGS WITHIN BURNED MIXED CONIFER FOREST WITH CHLOROGALUM POMERIDIANUM, AS WELL AS ARCTOSTAPHYLOS, MIMULUS SP, CHAMAEBATIA, ETC. STEEP SLOPES, S ASPECT. SITE BURNED VERY HOT IN 2014 KING FIRE; VIRTUALLY ALL TREES KILLED.

General: 1000+ PLANTS OBSERVED IN 2015. FULL EXTENT OF OCCURRENCE WAS NOT DOCUMENTED AS PLANTS CONTINUED AT LEAST 400' DOWNSLOPE FROM MAPPED LOCATION IN SECTION 28, ONTO USFS LAND.

Owner/Manager: PVT-SIERRA PACIFIC, USFS



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Occurrence No.	124	Map Index: A0579	EO Index: 102130	Element Last Seen:	2015-06-25
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-06-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-15
Quad Summary:	Devil Peak (3812085)				
County Summary:	Placer				
Lat/Long:	38.93447 / -120.53692		Accuracy:	specific area	
UTM:	Zone-10 N4312390 E713493		Elevation (ft):	4300	
PLSS:	T13N, R13E, Sec. 33, NW (M)		Acres:	1.0	
Location:	ABOVE RUBICON RIVER, 1.8 AIR MILES SSE OF DEVIL PEAK, SOUTH SIDE OF FOREST ROAD 14N08E.				
Detailed Location:	MAPPED IN THE SW 1/4 OF THE NW 1/4 OF SECTION 33, BASED ON 2015 ELDORADO NF DIGITAL DATA.				
Ecological:	BURNED MIXED CONIFER-OAK WOODLAND. SITE BURNED IN 2014 KING FIRE.				
General:	4 PLANTS OBSERVED IN 2015. ELDORADO NF POPULATION #143-01.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	126	Map Index: A0875	EO Index: 102437	Element Last Seen:	2009-06-19
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2009-06-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-29
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.57465 / -120.39534		Accuracy:	specific area	
UTM:	Zone-10 N4272794 E726904		Elevation (ft):	4925	
PLSS:	T08N, R14E, Sec. 2 (M)		Acres:	6.0	
Location:	RIDGE ABOVE TWIN GULCH ROAD NEAR HEAD OF PI-PI CREEK, 2 AIR MILES ESE OF CROFT.				
Detailed Location:	MAPPED AS 3 POLYGONS BASED ON USFS DIGITAL DATA, IN THE CENTER OF SECTION 2. USFS POPULATION #139.				
Ecological:	10-30% SOUTH-FACING SLOPES.				
General:	175 PLANTS OBSERVED IN WEST POLYGON, 208 IN MIDDLE POLYGON, AND 5 IN EAST POLYGON IN 2009.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	127	Map Index: A0876	EO Index: 102438	Element Last Seen:	2010-07-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2010-07-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-30
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.59752 / -120.41827		Accuracy:	specific area	
UTM:	Zone-10 N4275276 E724835		Elevation (ft):	5050	
PLSS:	T09N, R14E, Sec. 27, SW (M)		Acres:	9.0	
Location:	ALONG CALDOR LOGGING RD ON RIDGE SOUTH OF MCKINNEY CREEK, 1 AIR MILE SE OF CALDOR.				
Detailed Location:	MAPPED BY CNDDDB BASED ON USFS DIGITAL DATA, IN THE SOUTH 1/2 OF THE SW 1/4 OF SECTION 27. USFS POPULATION #135.				
Ecological:					
General:	22 PLANTS OBSERVED IN 2000. 3 PLANTS OBSERVED IN 2010.				
Owner/Manager:	USFS-ELDORADO NF, PVT				



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Occurrence No.	128	Map Index: A0878	EO Index: 102440	Element Last Seen:	2012-07-09
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2012-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-30
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.61665 / -120.43842		Accuracy:	80 meters	
UTM:	Zone-10 N4277350 E723020		Elevation (ft):	5000	
PLSS:	T09N, R14E, Sec. 21, SW (M)		Acres:	5.0	
Location:	ALONG PLUMMER RIDGE ABOUT 0.8 AIR MILE NNW OF CALDOR.				
Detailed Location:	MAPPED BY CNDDDB BASED ON USFS DIGITAL DATA, IN THE NW 1/4 OF THE SW 1/4 OF SECTION 21. USFS POPULATION #48.				
Ecological:	30% SLOPE, SOUTH ASPECT.				
General:	15 PLANTS SEEN IN 1990. 1 PLANT SEEN IN 2012.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	129	Map Index: A0880	EO Index: 102442	Element Last Seen:	1998-08-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2012-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-30
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.61619 / -120.4628		Accuracy:	specific area	
UTM:	Zone-10 N4277239 E720898		Elevation (ft):	4540	
PLSS:	T09N, R14E, Sec. 19, SE (M)		Acres:	12.0	
Location:	JUST EAST OF CONFLUENCE OF NORTH STEELY CREEK AND SOUTH STEELY CREEK, ABOVE FOREST RD 09N49B, 1.8 AIR MI NW OF CALDOR.				
Detailed Location:	MAPPED BY CNDDDB BASED ON USFS DIGITAL DATA, IN THE NORTH 1/2 OF THE SE 1/4 OF SECTION 19. USFS POPULATION #131.				
Ecological:	10-20% SLOPE, SOUTH ASPECT.				
General:	12 PLANTS OBSERVED IN 1998. NO PLANTS FOUND IN 2010 OR 2012.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	130	Map Index: A0881	EO Index: 102443	Element Last Seen:	1993-10-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2012-06-26
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-30
Quad Summary:	Omo Ranch (3812055)				
County Summary:	El Dorado				
Lat/Long:	38.61132 / -120.55035		Accuracy:	80 meters	
UTM:	Zone-10 N4276492 E713290		Elevation (ft):	3500	
PLSS:	T09N, R13E, Sec. 28, NW (M)		Acres:	5.0	
Location:	CLEAR CREEK BY LAST CHANCE MINE, ABOUT 2.4 AIR MILES WEST OF LEONI MEADOW.				
Detailed Location:	MAPPED BY CNDDDB BASED ON USFS DIGITAL DATA, NEAR THE CENTER OF THE NW 1/4 SECTION 28. USFS POPULATION #127.				
Ecological:	20% SLOPE, SW ASPECT.				
General:	14 PLANTS OBSERVED IN 1993. NO PLANTS FOUND IN 2012.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	131	Map Index: A0888	EO Index: 102445	Element Last Seen:	2012-06-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2012-06-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-30
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.63067 / -120.48443		Accuracy:	specific area	
UTM:	Zone-10 N4278795 E718971		Elevation (ft):	4300	
PLSS:	T09N, R13E, Sec. 13, SE (M)		Acres:	13.0	
Location:	ABOUT 0.3 AIR MILE NORTH OF MOUTH OF SALT ROCK CREEK, 2.4 AIR MILES EAST OF GRIZZLY FLATS.				
Detailed Location:	MAPPED BY CNDDDB BASED ON USFS DIGITAL DATA, NEAR THE CENTER OF THE SE 1/4 OF SECTION 13. USFS POPULATION #130.				
Ecological:	20% SLOPE. SW ASPECT.				
General:	4 PLANTS OBSERVED IN 1998. 3 PLANTS OBSERVED IN 2012.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	132	Map Index: A0889	EO Index: 102447	Element Last Seen:	1990-07-31
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2004-07-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-07-18
Quad Summary:	Old Iron Mountain (3812064)				
County Summary:	El Dorado				
Lat/Long:	38.68672 / -120.40864		Accuracy:	specific area	
UTM:	Zone-10 N4285199 E725393		Elevation (ft):	5100	
PLSS:	T10N, R14E, Sec. 27, S (M)		Acres:	15.0	
Location:	SLOPE ABOVE CAMP CREEK ABOUT 1.6 AIR MILES SW OF OLD IRON MOUNTAIN.				
Detailed Location:	MAPPED AS 3 POLYGONS BY CNDDDB BASED ON USFS DIGITAL DATA, IN THE SOUTH HALF OF SECTION 27. USFS POPULATION #59.				
Ecological:					
General:	235 PLANTS OBSERVED IN 1990. NO PLANTS FOUND IN 2004.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	133	Map Index: A0890	EO Index: 102448	Element Last Seen:	2003-05-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2003-05-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-06-30
Quad Summary:	Old Iron Mountain (3812064), Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.75047 / -120.48807		Accuracy:	80 meters	
UTM:	Zone-10 N4292082 E718289		Elevation (ft):	4180	
PLSS:	T11N, R13E, Sec. 35, SE (M)		Acres:	5.0	
Location:	ABOUT 0.5 AIR MILE EAST OF PARK CREEK RD CROSSING OVER HAZEL CREEK.				
Detailed Location:	MAPPED BY CNDDDB BASED ON USFS DIGITAL DATA, ON SECTION LINE BETWEEN SE 1/4 OF THE SE 1/4 OF SECTION 35 AND THE NE 1/4 OF THE NW 1/4 OF SECTION 1. USFS POPULATION #133.				
Ecological:	3% SLOPE, SOUTH ASPECT.				
General:	12 PLANTS OBSERVED IN 2002. 50 PLANTS OBSERVED IN 2003.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	134	Map Index: A0891	EO Index: 102449	Element Last Seen: 1988-08-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1988-08-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-06-30
Quad Summary:	Riverton (3812074)			
County Summary:	El Dorado			
Lat/Long:	38.75264 / -120.46782		Accuracy: 80 meters	
UTM:	Zone-10 N4292372 E720043		Elevation (ft): 4600	
PLSS:	T11N, R13E, Sec. 36, SE (M)		Acres: 5.0	
Location:	RIDGE 0.8 AIR MILE SOUTH OF DITCH CAMP THREE.			
Detailed Location:	MAPPED BY CNDDDB BASED ON USFS DIGITAL DATA, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 36. USFS POPULATION #17.			
Ecological:				
General:	30 PLANTS OBSERVED IN 1988.			
Owner/Manager:	PVT			
Occurrence No.	135	Map Index: A0893	EO Index: 102452	Element Last Seen: 2000-05-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 2000-05-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-06-30
Quad Summary:	Riverton (3812074)			
County Summary:	El Dorado			
Lat/Long:	38.76988 / -120.48922		Accuracy: 80 meters	
UTM:	Zone-10 N4294234 E718130		Elevation (ft): 3450	
PLSS:	T11N, R13E, Sec. 23, SE (M)		Acres: 5.0	
Location:	ABOUT 0.9 AIR MILE SSW OF WHITE MEADOW ABOVE SOUTH FORK AMERICAN RIVER.			
Detailed Location:	MAPPED BY CNDDDB BASED ON USFS DIGITAL DATA, IN THE SE 1/4 SECTION 23. USFS POPULATION #128.			
Ecological:	25% SLOPE.			
General:	1000 PLANTS OBSERVED IN 1994. 1554 PLANTS OBSERVED IN 2000.			
Owner/Manager:	USFS-ELDORADO NF			
Occurrence No.	136	Map Index: A0894	EO Index: 102453	Element Last Seen: 1997-05-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen: 1997-05-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2016-06-30
Quad Summary:	Riverton (3812074)			
County Summary:	El Dorado			
Lat/Long:	38.84373 / -120.48914		Accuracy: 80 meters	
UTM:	Zone-10 N4302431 E717912		Elevation (ft): 4300	
PLSS:	T12N, R13E, Sec. 35 (M)		Acres: 5.0	
Location:	SLOPE ABOVE SILVER CREEK, ABOUT 3 AIR MILES SW OF UNION VALLEY DAM AND 1 AIR MILE EAST OF MOUTH OF BEAR CREEK.			
Detailed Location:	MAPPED BY CNDDDB BASED ON USFS DIGITAL DATA, NEAR THE CENTER OF SECTION 35. USFS POPULATION #129.			
Ecological:	62% SLOPE, SW ASPECT.			
General:	300 PLANTS OBSERVED IN 1997.			
Owner/Manager:	USFS-ELDORADO NF			



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Occurrence No.:	137	Map Index:	A0895	EO Index:	102454	Element Last Seen:	2000-06-08
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2016-06-30
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Pollock Pines (3812075)
County Summary: El Dorado

Lat/Long:	38.83353 / -120.53008	Accuracy:	80 meters
UTM:	Zone-10 N4301202 E714389	Elevation (ft):	3250
PLSS:	T11N, R13E, Sec. 4, N (M)	Acres:	5.0

Location: ABOUT 0.8 AIR MILE WEST OF JAY BIRD SPRING AND 0.5 AIR MILE NE OF CAMINO DAM.
Detailed Location: MAPPED BY CNDDDB BASED ON USFS DIGITAL DATA, IN NORTH HALF OF SECTION 4. USFS POPULATION #137.
Ecological:
General: ABOUT 1500 PLANTS OBSERVED IN 2000.
Owner/Manager: USFS-ELDORADO NF

<i>Chlorogalum grandiflorum</i>		Element Code: PMLIL0G020
Red Hills soaproot		
Listing Status:	Federal: None	CNDDDB Element Ranks: Global: G3
	State: None	State: S3
	Other: Rare Plant Rank - 1B.2, BLM_S-Sensitive	
Habitat:	General: CISMONTANE WOODLAND, CHAPARRAL, LOWER MONTANE CONIFEROUS FOREST.	
	Micro: OCCURS FREQUENTLY ON SERPENTINE OR GABBRO, BUT ALSO ON NON-ULTRAMAFIC SUBSTRATES; OFTEN ON "HISTORICALLY DISTURBED" SITES. 265-1695 M.	

Occurrence No.:	28	Map Index:	13017	EO Index:	22062	Element Last Seen:	1969-06-01
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		Record Last Updated:	2003-04-17
Occ. Type:	Natural/Native occurrence	Trend:	Unknown				

Quad Summary: Tunnel Hill (3812086)
County Summary: El Dorado, Placer

Lat/Long:	38.99024 / -120.68740	Accuracy:	2/5 mile
UTM:	Zone-10 N4318237 E700291	Elevation (ft):	1500
PLSS:	T13N, R12E, Sec. 07, SW (M)	Acres:	0.0

Location: RUBICON RIVER CANYON, JUST ABOVE OLD BRIDGE ON ROAD FROM OTTER CREEK.
Detailed Location: EXACT LOCATION UNKNOWN, MAPPED BY CNDDDB AS A BEST GUESS. GIVEN ELEVATION IS 1500 FT.
Ecological: DRY LEDGES OF METAMORPHIC ROCK.
General: SPECIMEN DETERMINED TO BE C. POMERIDIANUM BY STEBBINS, BUT CONFORMS TO C. GRANDIFLORUM IN CERTAIN CHARACTERS ACCORDING TO JOHN WILLOUGHBY. MAPPED LOCATION DETERMINED BY WILLOUGHBY FROM DESCRIPTION ON SPECIMEN. NEEDS FIELDWORK.
Owner/Manager: PVT



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Occurrence No.	40	Map Index: 42099	EO Index: 42099	Element Last Seen:	2007-06-27
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-06-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-03
Quad Summary:	Omo Ranch (3812055)				
County Summary:	El Dorado				
Lat/Long:	38.54433 / -120.59580		Accuracy:	specific area	
UTM:	Zone-10 N4268952 E709525		Elevation (ft):	3100	
PLSS:	T08N, R12E, Sec. 13, E (M)		Acres:	28.0	
Location:	RIDGE EAST OF ROUND MOUNTAIN, ABOUT 1.1 AIR MILES ENE OF ROUND MOUNTAIN PEAK, SSW OF OMO RANCH.				
Detailed Location:	THREE COLONIES IN THE NW 1/4 OF THE SW 1/4 OF SECTION 18 AND THE N1/2 OF THE SE 1/4 OF SECTION 13.				
Ecological:	XERIC RIDGETOP IN THE MIDST OF WESTSIDE PONDEROSA PINE FOREST. WITH QUERCUS KELLOGGII, PINUS PONDEROSA, ARCTOSTAPHYLOS VISCIDA, CHAMAEBATIA FOLIOLOSA, AND TOXICODENDRON DIVERSILOBUM. ON VERY ROCKY LOAMS, MARIPOSA SERIES.				
General:	PROBABLY >1000 PLANTS SEEN IN SE-MOST COLONY IN 1994, DISCONTINUOUSLY DISTRIBUTED OVER 5-10 ACRES. 70 PLANTS SEEN IN 2 COLONIES IN 2005. >1100 PLANTS SEEN IN 2007.				
Owner/Manager:	BLM, PVT				
Occurrence No.	48	Map Index: 50975	EO Index: 50975	Element Last Seen:	1998-06-22
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	1998-06-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2003-04-15
Quad Summary:	Garden Valley (3812077)				
County Summary:	El Dorado				
Lat/Long:	38.78671 / -120.80710		Accuracy:	specific area	
UTM:	Zone-10 N4295391 E690466		Elevation (ft):	2100	
PLSS:	T11N, R10E, Sec. 24, SE (M)		Acres:	7.1	
Location:	UPPER TEXAS CANYON, TEXAS CANYON ROAD APPROXIMATELY 0.8 MILE UP FROM HWY 193, NNE OF CHILI BAR ON THE AMERICAN RIVER.				
Detailed Location:	3 COLONIES. MOST OF THE PLANTS ARE ON A NARROW RIDGE TRENDING SOUTHWEST, THE RIDGE IS EAST AND ACROSS A SMALL DRAW FROM THE ROAD. MAPPED MOSTLY WITHIN THE NW 1/4 OF THE SE 1/4 OF SECTION 24.				
Ecological:	MOSTLY ARCTOSTAPHYLOS VISCIDA CHAPARRAL. PLANTS OCCUR IN OPENINGS, BUT ALSO BENEATH MANZANITA CANOPIES. OTHER DOMINANTS INCLUDE PINUS PONDEROSA, QUERCUS KELLOGGII, Q. CHRYSOLEPIS, HETEROMELES ARBUTIFOLIA, AND TOXICODENDRON DIVERSILOBUM.				
General:	OVER 100 PLANTS SEEN BY FRANKLIN IN 1998. HE ESTIMATES THERE COULD BE MORE THAN 200+ PLANTS PRESENT. OVERALL SITE QUALITY IS FAIR TO GOOD.				
Owner/Manager:	BLM				



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Occurrence No.	49	Map Index: 50980	EO Index: 50980	Element Last Seen:	2017-07-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-07-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-26
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.99491 / -120.73047		Accuracy:	specific area	
UTM:	Zone-10 N4318661 E696548		Elevation (ft):	3000	
PLSS:	T13N, R11E, Sec. 10, E (M)		Acres:	11.0	
Location:	SOUTH OF THE MIDDLE RUBICON RIVER, FROM 1.4 AIR MI WEST TO 1.7 MI WSW OF PENNSYLVANIA POINT, NORTHEAST OF GEORGETOWN.				
Detailed Location:	FROM GEORGETOWN, GO EAST ON ROAD 63 TO ROAD 15 (TOWARD VOLCANOVILLE). TAKE ROAD 15 MORE THAN 4 MILES TO PG&E RIGHT OF WAY. MOST OF OCCURRENCE IS ALONG R-O-W. MAPPED WITHIN THE EAST 1/2 OF SECTION 10.				
Ecological:	PLANTS OCCUR IN DISTURBED PGE R-O-W FOR SEVERAL HUNDRED YARDS. ASSOCIATES: QUERCUS CHRYSOLEPIS, STYRAX OFFICINALIS, LOTUS ARGOPHYLLUS, MIMULUS AURANTIACUS, MELICA CALIFORNICA, HETEROMELES ARBUTIFOLIA, AND ARCTOSTAPHYLOS VISCIDA.				
General:	150+ PLANTS SEEN IN NORTHERN POLYGON IN 2001. ~50 PLANTS SEEN IN SOUTHERN POLYGON IN 2005. UNKNOWN NUMBER OF PLANTS SEEN IN MIDDLE AND NORTHERN POLYGONS IN 2017. INCLUDES FORMER OCCURRENCE #132.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	59	Map Index: 69717	EO Index: 70504	Element Last Seen:	1997-05-27
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	1997-05-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-08-02
Quad Summary:	West Point (3812045), Pine Grove (3812046), Aukum (3812056)				
County Summary:	Amador				
Lat/Long:	38.49551 / -120.63066		Accuracy:	2/5 mile	
UTM:	Zone-10 N4263455 E706627		Elevation (ft):	2800	
PLSS:	T08N, R12E, Sec. 35 (M)		Acres:	0.0	
Location:	0.5 MILE NORTH OF FORT ANN MINE.				
Detailed Location:					
Ecological:					
General:	ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1997 PHOTO BY TAYLOR. MORE INFORMATION IS NEEDED.				
Owner/Manager:	UNKNOWN				



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Occurrence No.	61	Map Index: 69719	EO Index: 70506	Element Last Seen:	2005-04-12
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2005-04-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2007-08-02

Quad Summary: Garden Valley (3812077)
County Summary: El Dorado

Lat/Long:	38.80242 / -120.82255	Accuracy:	80 meters
UTM:	Zone-10 N4297104 E689081	Elevation (ft):	2040
PLSS:	T11N, R10E, Sec. 14, NE (M)	Acres:	0.0

Location: 0.5 AIR MILE SSE OF THE SUMMIT OF GOPHER HILL, KELSEY.
Detailed Location: JUST BEHIND THE MOBILE HOME PARK IN THE SE 1/4 OF THE NE 1/4 OF SECTION 14.
Ecological:
General: 40 PLANTS OBSERVED IN 2005.
Owner/Manager: BLM

Occurrence No.	62	Map Index: 70857	EO Index: 71837	Element Last Seen:	2007-04-18
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-04-18
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-02-26

Quad Summary: Omo Ranch (3812055)
County Summary: El Dorado

Lat/Long:	38.50741 / -120.58614	Accuracy:	80 meters
UTM:	Zone-10 N4264877 E710475	Elevation (ft):	2900
PLSS:	T08N, R13E, Sec. 31, N (M)	Acres:	0.0

Location: 1.0 AIR MILE NNW OF THE JUNCTION OF FIDDLETOWN SILVER LAKE RD & SHAKE RIDGE RD, N SLOPE OF S FORK COSUMNES RIVER CANYON.
Detailed Location: NEAR SMALL RIDGETOP NEAR THE CENTER OF THE NORTHERN HALF OF SECTION 31.
Ecological: ROCKY SOIL, THICK DUFF LAYER, 30% CANOPY COVER, 50% SLOPE. DOMINATED BY CHAMAEBATIA FOLIOLOSA, PINUS PONDEROSA, QUERCUS CHRYSOLEPIS, Q. KELLOGGII, AGOSERIS RETROSA, ARCTOSTAPHYLOS VISCIDA, SANICULA TUBEROSA, AND CHLOROGALUM POMERIDIANUM.
General: ~20 PLANTS OBSERVED IN 2007.
Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	63	Map Index:	70859	EO Index:	71839	Element Last Seen:	2007-04-20
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2007-04-20	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2008-02-26	

Quad Summary: Omo Ranch (3812055)

County Summary: El Dorado

Lat/Long:	38.50622 / -120.59574	Accuracy:	80 meters
UTM:	Zone-10 N4264723 E709641	Elevation (ft):	2900
PLSS:	T08N, R12E, Sec. 36, NE (M)	Acres:	0.0

Location: 1.1 AIR MILE NW OF THE JUNCTION OF FIDDLTOWN SILVER LAKE RD & SHAKE RIDGE RD, N SLOPE OF S FORK COSUMNES RIVER CANYON.

Detailed Location: ALONG A LOGGING ROAD IMMEDIATELY WEST OF THE BOUNDARY BETWEEN SECTIONS 31 AND 36. PLANTS FOUND ALONG UPPER ROAD CUT, ALSO FOUND EXTENDING INTO THE SURROUNDING AREA.

Ecological: 40% SOUTH-FACING SLOPE. THICK DUFF LAYER. ASSOCIATED WITH CHAMAEBATIA FOLIOLOSA, QUERCUS KELLOGGII, AND QUERCUS CHRYSOLEPIS.

General: 15 PLANTS OBSERVED IN 2007. ID PERFORMED FROM BULB APPEARANCE, LACKING BULB FIBERS. ID MAY NEED FURTHER CONFIRMATION.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	65	Map Index:	70868	EO Index:	71848	Element Last Seen:	2010-06-23
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2010-06-23	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-02-10	

Quad Summary: Tunnel Hill (3812086), Georgetown (3812087)

County Summary: El Dorado

Lat/Long:	38.96697 / -120.7582	Accuracy:	specific area
UTM:	Zone-10 N4315502 E694222	Elevation (ft):	3000
PLSS:	T13N, R11E, Sec. 21 (M)	Acres:	45.0

Location: WEST OF KENTUCKY FLAT AND NORTH OF DARK CANYON, ABOUT 2-3 AIR MILES SOUTH OF HORSESHOE BAR.

Detailed Location: MAPPED BY CNDDDB AS 8 POLYGONS BASED ON SPI FIELD SURVEYS AND USFS DIGITAL DATA, THROUGHOUT SECTION 21 AS WELL AS IN THE SW 1/4 SW 1/4 SECTION 16. ELEVATION RANGES FROM 2680 TO 3375 FT.

Ecological: MARIPOSA VERY ROCKY SILT LOAM. ASSOCIATED W/ARCTOSTAPHYLOS VISCIDA, DODECATHEON HENDERSONII, PINUS LAMBERTIANA, P. PONDEROSA, PSEUDOTSUGA MENZIESII, IRIS SP, CHAMAEBATIA FOLIOLOSA, QUERCUS KELLOGGII, Q. WISLIZENI, AND CEANOTHUS TOMENTOSUS.

General: FEWER THAN 10 PLANTS OBSERVED IN NORTHERN TWO COLONIES, AND UNKNOWN NUMBER IN SOUTHERN TWO COLONIES IN 2004. ABOUT 14 PLANTS OBSERVED IN EASTERN COLONY IN 2007. ABOUT 675 PLANTS OBSERVED IN CENTRAL 4 POLYGONS IN 2010.

Owner/Manager: PVT-SIERRA PACIFIC, USFS



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Occurrence No.	69	Map Index: 72771	EO Index: 73607	Element Last Seen:	2007-06-27
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2007-06-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-10
Quad Summary:	Omo Ranch (3812055)				
County Summary:	El Dorado				
Lat/Long:	38.55331 / -120.59532		Accuracy:	80 meters	
UTM:	Zone-10 N4269951 E709541		Elevation (ft):	3100	
PLSS:	T08N, R12E, Sec. 12, SE (M)		Acres:	0.0	
Location:	JUST W OF OLD INDIAN DIGGINGS TOWN SITE, APPROX 1.2 MI NE OF ROUND MTN PEAK.				
Detailed Location:	MAPPED ACCORDING TO A 2007 PURDY MAP.				
Ecological:	OPENING IN PONDEROSA PINE FOREST ON S-FACING SLOPE. VERY ROCKY SOIL (MARIPOSA SERIES). ROCK FRAGMENTS ARE METAMORPHIC SCHIST. ASSOC SPP INCL PINUS PONDEROSA, CALOCEDRUS DECURRENS, QUERCUS KELLOGII, ARCTOSTAPHYLOS VISCIDA, & CHAMAEBATIA FOL.				
General:	30 PLANTS SEEN IN 2007. PLANTS ARE PRESENT AND THRIVING IN THE MOST DISTURBED AREAS; PLANTS DISAPPEAR AS DISTURBANCE LESSENS AND COMPETITION INCREASES.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	70	Map Index: 72772	EO Index: 73608	Element Last Seen:	2007-04-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-04-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-03
Quad Summary:	Omo Ranch (3812055), Aukum (3812056)				
County Summary:	El Dorado				
Lat/Long:	38.54877 / -120.62471		Accuracy:	specific area	
UTM:	Zone-10 N4269380 E706993		Elevation (ft):	3100	
PLSS:	T08N, R12E, Sec. 14, NW (M)		Acres:	6.0	
Location:	APPROXIMATELY 0.75 MI NW OF ROUND MTN PEAK, SW OF CEMENT HILL.				
Detailed Location:	MAPPED AS 3 POLYGONS ACCORDING TO A 2007 PURDY MAP.				
Ecological:	OPENINGS IN PONDEROSA PINE FOREST ON KNOBS, RIDGES AND UPPER, GENERALLY S-FACING SLOPES. VERY ROCKY SOILS, OFTEN NEAR ROCK OUTCROPPINGS (METAMORPHIC SCHIST), MARIPOSA SERIES SOILS. ASSOCIATES INCL PINUS PONDEROSA, CALOCEDRUS DECURRENS, ETC.				
General:	100 PLANTS SEEN IN 2007. THE HIGHEST CONCENTRATION OF PLANTS APPEAR TO BE IN OPEN, LESS SHADED AREAS THAT HAVE RECEIVED AT LEAST SOME SOIL DISTURBANCE; AREAS OF HEAVY BRUSH OR TREE DOMINANCE HAVE FEWER PLANTS.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	71	Map Index: 72773	EO Index: 73609	Element Last Seen:	2007-04-24
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2007-04-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2008-11-03

Quad Summary: Aukum (3812056)

County Summary: El Dorado

Lat/Long:	38.54201 / -120.63041	Accuracy:	specific area
UTM:	Zone-10 N4268617 E706515	Elevation (ft):	3100
PLSS:	T08N, R12E, Sec. 14, SW (M)	Acres:	20.0

Location: APPROXIMATELY 0.75 MI W OF ROUND MTN PEAK, SW OF CEMENT HILL.

Detailed Location: MAPPED AS 3 POLYGONS ACCORDING TO A 2007 PURDY MAP.

Ecological: OPENINGS IN PONDEROSA PINE FOREST ON KNOBS, RIDGES AND UPPER, GENERALLY S-FACING SLOPES. VERY ROCKY SOILS, OFTEN NEAR ROCK OUTCROPPINGS (METAMORPHIC SCHIST), MARIPOSA SERIES SOILS. ASSOCIATES INCL PINUS PONDEROSA, CALOCEDRUS DECURRENS, ETC.

General: 200 PLANTS SEEN IN 2007. THE HIGHEST CONCENTRATION OF PLANTS APPEAR TO BE IN OPEN, LESS SHADED AREAS THAT HAVE RECEIVED AT LEAST SOME SOIL DISTURBANCE; AREAS OF HEAVY BRUSH OR TREE DOMINANCE HAVE FEWER PLANTS.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	73	Map Index: 75785	EO Index: 76797	Element Last Seen:	2008-05-27
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2008-05-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2009-07-15

Quad Summary: Tunnel Hill (3812086)

County Summary: El Dorado

Lat/Long:	38.94840 / -120.69954	Accuracy:	80 meters
UTM:	Zone-10 N4313567 E699356	Elevation (ft):	4057
PLSS:	T13N, R11E, Sec. 25, NW (M)	Acres:	0.0

Location: ABOUT 1.69 AIR MILES NE OF CHIQUITA LAKE AND 0.24 AIR MILES EAST OF TUNNEL HILL ROAD.

Detailed Location: SINGLE COLONY MAPPED JUST WEST OF THE CENTER OF SECTION 25.

Ecological: GROWING IN OPEN ROCKY SOIL CLEARINGS IN A MIXED CONIFER FOREST. ASSOCIATED WITH ARCTOSTAPHYLOS VISCIDA, QUERCUS KELLOGGII, PINUS PONDEROSA, AND CHAMEABATIA FOLIOLOSA. THIN LAYER OF PINE NEEDLE DUFF PRESENT. 0% CANOPY, 45% SLOPE, S ASPECT.

General: 45 PLANTS OBSERVED IN 2008.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	84	Map Index:	79083	EO Index:	80048	Element Last Seen:	2009-06-15
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2009-06-15	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2010-06-15	
Quad Summary:	Omo Ranch (3812055)						
County Summary:	Amador, El Dorado						
Lat/Long:	38.51062 / -120.54016			Accuracy:	80 meters		
UTM:	Zone-10 N4265340 E714475			Elevation (ft):	3300		
PLSS:	T08N, R13E, Sec. 28, SE (M)			Acres:	0.0		
Location:	NORTH SIDE OF SOUTH FORK COSUMNES RIVER, ABOUT 2 AIR MILES ESE OF PATTERSON MINE.						
Detailed Location:	MAPPED NEAR THE CORNER OF SECTIONS 27, 28, 33, & 34 ACCORDING TO 2009 UTM COORDINATES FROM SIERRA PACIFIC INDUSTRIES.						
Ecological:	SOUTH FACING SLOPE WITH ROCKY SOILS. ASSOCIATED WITH PONDEROSA PINE AND BLACK OAK.						
General:	150 PLANTS OBSERVED IN 2009.						
Owner/Manager:	PVT-SIERRA PACIFIC						
Occurrence No.	85	Map Index:	79084	EO Index:	80049	Element Last Seen:	2015-06-11
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2015-06-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-02-16	
Quad Summary:	Pollock Pines (3812075), Devil Peak (3812085)						
County Summary:	El Dorado						
Lat/Long:	38.87544 / -120.51333			Accuracy:	specific area		
UTM:	Zone-10 N4305893 E715717			Elevation (ft):	5175		
PLSS:	T12N, R13E, Sec. 22, NW (M)			Acres:	24.0		
Location:	4 AIR MILES WEST OF UNION VALLEY RESERVOIR AND 3.5 AIR MILES ESE OF STUMPY MEADOWS LAKE.						
Detailed Location:	PLANTS GROWING IN THE CLEARCUT, SKID TRAILS, ALONG ROAD, AND INTO THE FOREST; PLANTS DISAPPEAR AS DISTURBANCE LESSENS AND CANOPY COVER INCREASES. MAPPED AS 4 POLYGONS IN THE NW 1/4 OF SECTION 22.						
Ecological:	MAJORITY OF POPULATION GROWING IN CLEARCUT WITH NO CANOPY COVER WITHIN A MIXED CONIFER FOREST. ASSOCIATED WITH QUERCUS KELLOGGII, CHAMAEBATIA FOLIOLOSA, CEANOTHUS PROSTRATUS, PENSTEMON SP, ETC. SITE BURNED IN 2014 KING FIRE.						
General:	10,000 PLANTS OBSERVED IN 2008. 85,000+ PLANTS OBSERVED IN 2015 (COULD BE AS MANY AS 200,000+ PLANTS).						
Owner/Manager:	PVT-SIERRA PACIFIC						



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Occurrence No.	88	Map Index: 94982	EO Index: 96106	Element Last Seen:	2016-06-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-12

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.83445 / -120.52493	Accuracy:	specific area
UTM:	Zone-10 N4301316 E714834	Elevation (ft):	4125
PLSS:	T11N, R13E, Sec. 4, NE (M)	Acres:	3.0

Location: SOUTH OF JAYBIRD POWERHOUSE RD NEAR TRANSMISSION LINE, ABOUT 0.3 AND 0.4 AIR MILE EAST OF JAYBIRD POWERHOUSE.

Detailed Location: IN TRANSMISSION LINE ROW ~2000 FT E OF CAMINO POWERHOUSE, AND ~400 FT S OF POWERHOUSE ACCESS ROAD. MAPPED AS 2 POLYGONS ACCORDING TO USFS DIGITAL DATA, IN THE NORTH 1/2 OF THE NE 1/4 OF SECTION 4.

Ecological: TRANSMISSION LINE AND TRAIL.

General: EASTERN POLYGON: 250 PLANTS OBSERVED IN 2013, 40 IN 2015, 70 IN 2016. WESTERN POLYGON: 100 PLANTS OBSERVED IN 2016.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	89	Map Index: 94985	EO Index: 96109	Element Last Seen:	2010-05-12
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2010-05-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-26

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.84867 / -120.68942	Accuracy:	specific area
UTM:	Zone-10 N4302520 E700514	Elevation (ft):	3200
PLSS:	T12N, R12E, Sec. 31, NW (M)	Acres:	10.0

Location: APPROXIMATELY 0.6 AND 0.8 AIR MILE WNW OF SOAPWEED, APPROXIMATELY 7.6 AIR MILES NORTH OF CAMINO.

Detailed Location: TWO POLYGONS MAPPED ACCORDING TO COORDINATES PROVIDED BY WAVERLY, IN THE WEST 1/2 OF THE NW 1/4 OF SECTION 31.

Ecological: SIERRA MIXED CONIFER, MANZANITA, POOR/SHALLOW SOILS.

General: 12 PLANTS OBSERVED IN THE NORTHWESTERN POLYGON AND 12 PLANTS OBSERVED IN THE SOUTHEASTERN POLYGON IN 2010.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	90	Map Index: 94988	EO Index: 96113	Element Last Seen:	2012-06-27
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2012-06-27
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-22
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.92490 / -120.74602		Accuracy:	specific area	
UTM:	Zone-10 N4310859 E695392		Elevation (ft):	3160	
PLSS:	T12N, R11E, Sec. 03, NW (M)		Acres:	5.0	
Location:	INTERSECTION OF TOBACCO GULCH TRAIL AND ROAD 12N70T, SOUTHWEST OF TIPTON HILL.				
Detailed Location:	MOST PLANTS FOUND ALONG TRAIL/ROAD; A FEW GROWING IN THE ROAD. MAPPED ACCORDING TO DIGITAL DATA PROVIDED BY LO, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 3.				
Ecological:	EDGE OF FOREST DOMINATED BY PSEUDOTSUGA MENZIESII, PINUS PONDEROSA, QUERCUS KELLOGGII, AND ARBUTUS MENZIESII. ASSOCIATED WITH ARCTOSTAPHYLOS VISCIDA AND CYTISUS SCOPARIUS. N-FACING 10-20% SLOPE. FULL SHADE TO PART SUN. DRY METAMORPHIC SOIL.				
General:	150 PLANTS OBSERVED IN 2012.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	91	Map Index: 94989	EO Index: 96115	Element Last Seen:	2015-04-29
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2015-04-29
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-10
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.89615 / -120.73994		Accuracy:	specific area	
UTM:	Zone-10 N4307680 E695999		Elevation (ft):	2935	
PLSS:	T12N, R11E, Sec. 15, NW (M)		Acres:	3.0	
Location:	ALONG ROAD 12N31, WEST SIDE OF ROCK CREEK, NORTH OF SUGARLOAF.				
Detailed Location:	MAPPED AS 2 POLYGONS BASED ON USFS DIGITAL DATA, IN THE NE 1/4 OF THE NW 1/4 OF SECTION 15 AND THE SE 1/4 OF THE SW 1/4 OF SECTION 10.				
Ecological:	ALONG AND BELOW THE TRAIL IN PSEUDOTSUGA MENZIESII AND QUERCUS CHRYSOLEPIS WOODLAND. SOUTHWEST-FACING 30% SLOPE IN PART SUN. DRY SEDIMENTARY SOIL (SHALE).				
General:	6 PLANTS IN SOUTH POLYGON IN 2012. PLANTS GROWING RIGHT NEXT TO TRAIL; THEY WERE FLAGGED FOR AVOIDANCE. POSSIBLY MORE PLANTS GROWING IN POTENTIAL HABITAT ALONG THE TRAIL THAT WAS NOT SURVEYED. UNKNOWN NUMBER SEEN IN NORTH POLYGON IN 2015.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	94	Map Index: 95000	EO Index: 96132	Element Last Seen:	2012-05-31
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2012-05-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2015-01-23
Quad Summary:	Tunnel Hill (3812086), Georgetown (3812087)				
County Summary:	El Dorado				
Lat/Long:	38.93088 / -120.75227		Accuracy:	specific area	
UTM:	Zone-10 N4311509 E694834		Elevation (ft):	3200	
PLSS:	T13N, R11E, Sec. 33, SE (M)		Acres:	8.0	
Location:	ALONG TOBACCO GULCH TRAIL, ABOUT 0.4 MILE SOUTH OF BALDERSON STATION.				
Detailed Location:	6 COLONIES MAPPED AS ONE POLYGON ACCORDING TO DIGITAL DATA PROVIDED BY LO.				
Ecological:	FOREST DOMINATED BY PSEUDOTSUGA MENZIESII, PINUS PONDEROSA, CALOCEDRUS DECURRENS, AND QUERCUS KELLOGGII. ASSOCIATED WITH ARCTOSTAPHYLOS PATULA, A. VISCIDA, PTERIDIUM AQUILINUM, HOSACKIA INCANA, CYTISUS SCOPARIUS. S-FACING. METAMORPHIC SOIL.				
General:	980 PLANTS OBSERVED IN 2012. MOST PLANTS ARE ALONG THE SIDES OF THE TRAIL; A FEW ARE ON THE TRAIL. PLANTS WERE FLAGGED FOR AVOIDANCE DURING CONSTRUCTION OF NEW BRIDGE AND CULVERT, AND RESTORATION OF CLOSED PART OF TRAIL.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	106	Map Index: A3604	EO Index: 105241	Element Last Seen:	2015-06-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-17
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.86784 / -120.51596		Accuracy:	specific area	
UTM:	Zone-10 N4305043 E715511		Elevation (ft):	5000	
PLSS:	T12N, R13E, Sec. 21, SE (M)		Acres:	8.0	
Location:	NORTH OF SILVER CREEK BETWEEN BEAR CREEK AND DAVIS CREEK, ABOUT 2.7 AIR MILES ESE OF LOOKOUT MOUNTAIN.				
Detailed Location:	MAPPED AS 2 POLYGONS BASED ON 2015 SPI COORDINATES AND MAP, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 21 AND THE NW 1/4 OF THE SW 1/4 OF SECTION 22.				
Ecological:	MIXED CONIFER FOREST WITH QUERCUS KELLOGGII, MANZANITA. WEATHERED METAVOLCANIC ROCK SUBSTRATE, SE ASPECT. SITE BURNED IN 2014 KING FIRE.				
General:	ABOUT 300+ PLANTS OBSERVED IN EAST POLYGON IN 2008, PRIOR TO TIMBER HARVEST. 2500+ PLANTS OBSERVED IN 2015 AFTER TIMBER HARVEST AND 2014 KING FIRE.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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Occurrence No.	107	Map Index: A3607	EO Index: 105243	Element Last Seen:	2015-06-23
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-10
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.86427 / -120.53799		Accuracy:	specific area	
UTM:	Zone-10 N4304596 E713610		Elevation (ft):	4400	
PLSS:	T12N, R13E, Sec. 29, NE (M)		Acres:	10.0	
Location:	JUST EAST OF ONION CREEK AND ABOUT 0.6 AIR MILE NORTH OF SILVER CREEK AT BIG BEND, 1.8 AIR MILES SE OF LOOKOUT MOUNTAIN.				
Detailed Location:	MAPPED FROM 2015 SPI MAPS AND COORDINATES, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 20 AND THE NE 1/4 OF THE NE 1/4 OF SECTION 29.				
Ecological:	MIXED CONIFER FOREST, IN ROCKY BURNED PATCHES WITH OTHER HERBS AND RESPROUTING SHRUBS. SOUTH ASPECT. SITE BURNED IN 2014 KING FIRE.				
General:	500+ PLANTS OBSERVED IN 2015.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	108	Map Index: A3608	EO Index: 105244	Element Last Seen:	2015-06-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-17
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.85795 / -120.52174		Accuracy:	specific area	
UTM:	Zone-10 N4303932 E715040		Elevation (ft):	4500	
PLSS:	T12N, R13E, Sec. 28 (M)		Acres:	54.0	
Location:	RIDGES ABOVE DAVIS CREEK, ABOUT 2.75 AIR MILES SE OF LOOKOUT MOUNTAIN AND 1.3-2.0 AIR MILES WEST OF GOVERNMENT RIDGE.				
Detailed Location:	MAPPED AS 4 POLYGONS BY CNDDDB BASED ON 2015 SPI MAP AND COORDINATES, WITHIN SECTION 28.				
Ecological:	MIXED CONIFER FOREST ON ANDESITE SOIL, WITH CHAMAEBATIA FOLIOLOSA, COLLOMIA HETEROPHYLLA, ARCTOSTAPHYLOS, GARRYA FREMONTII, DICHELOSTEMMA, AND THE RARE CALOCHORTUS CLAVATUS VAR. AVIUS. SITE BURNED IN 2014 KING FIRE.				
General:	24 PLANTS OBSERVED IN 2008. AN ESTIMATED 46,000+ PLANTS OBSERVED IN 2015. POPULATION MAY EXTEND ONTO UNSURVEYED USFS LAND TO SOUTH.				
Owner/Manager:	PVT-SIERRA PACIFIC, USFS				



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Occurrence No.	109	Map Index: A3610	EO Index: 105245	Element Last Seen:	2015-06-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-12
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.85074 / -120.50869		Accuracy:	specific area	
UTM:	Zone-10 N4303163 E716194		Elevation (ft):	4700	
PLSS:	T12N, R13E, Sec. 27, S (M)		Acres:	23.0	
Location:	WEST OF BEAR CREEK AND ABOUT 0.25 AIR MILE NORTH OF SILVER CREEK, ABOUT 1.4 AIR MILES NNE OF JAY BIRD SPRING.				
Detailed Location:	MAPPED AS 3 POLYGONS FROM 2015 SPI COORDINATES AND MAP, MOSTLY IN THE SOUTH 1/2 OF SECTION 27.				
Ecological:	MIXED CONIFER FOREST ON ANDESITE SOIL, WITH PINUS PONDEROSA, QUERCUS KELLOGGII, CALOEDRUS, CHAMAEBATIA FOLIOLOSA, COLLOMIA HETEROPHYLLA, AND THE RARE CALOCHORTUS CLAVATUS VAR. AVIUS. SE ASPECT, 20% SLOPE. SITE BURNED IN 2014 KING FIRE.				
General:	6000+ PLANTS OBSERVED IN 2015. POPULATION EXTENDS ONTO UNSURVEYED USFS LAND TO SOUTH.				
Owner/Manager:	PVT-SIERRA PACIFIC, USFS				
Occurrence No.	110	Map Index: A3611	EO Index: 105246	Element Last Seen:	2016-06-08
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-06
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.8337 / -120.5182		Accuracy:	80 meters	
UTM:	Zone-10 N4301249 E715420		Elevation (ft):	4600	
PLSS:	T11N, R13E, Sec. 3, NW (M)		Acres:	5.0	
Location:	ALONG JAY BIRD POWERHOUSE ROAD AT TRANSMISSION CORRIDOR 0.7 AIR MILE EAST OF POWERHOUSE.				
Detailed Location:	MAPPED BY CNDDDB FROM 2016 BRONNY COORDINATES, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 3.				
Ecological:	MIXED CONIFER AND HARDWOOD FOREST, ALONG WITH PATCHY CHAPARRAL/LAVA CAP HABITATS WITHIN SMUD TRANSMISSION CORRIDOR. ASSOCIATES INCLUDE CALOCHORTUS CLAVATUS VAR. AVIUS, PHACELIA STEBBINSII, AND STREPTANTHUS LONGISILIQUEUS.				
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2016 DURING A SURVEY FOR STREPTANTHUS LONGISILIQUEUS.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	111	Map Index: A3612	EO Index: 105247	Element Last Seen:	2015-06-15
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-06-15
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-06
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.84484 / -120.54623		Accuracy:	specific area	
UTM:	Zone-10 N4302420 E712954		Elevation (ft):	4400	
PLSS:	T12N, R13E, Sec. 32, NE (M)		Acres:	1.0	
Location:	NORTH OF SUGAR PINE CREEK, ABOUT 1 AIR MILE NW OF JAYBIRD POWERHOUSE AND 0.2 AIR MILE WEST OF SILVER CREEK.				
Detailed Location:	MAPPED FROM USFS DIGITAL DATA, IN THE SW 1/4 OF THE NE 1/4 OF SECTION 32.				
Ecological:	PINE FOREST. SITE BURNED IN 2014 KING FIRE.				
General:	15 PLANTS OBSERVED IN A SMALL PATCH IN 2015.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	112	Map Index: A3613	EO Index: 105249	Element Last Seen:	2016-06-08
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-08
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.83338 / -120.5462		Accuracy:	specific area	
UTM:	Zone-10 N4301147 E712990		Elevation (ft):	4620	
PLSS:	T11N, R13E, Sec. 5, N (M)		Acres:	11.0	
Location:	ABOUT 0.6 AIR MILE NORTH OF SILVER CREEK AND 0.5-1.1 AIR MILE WEST OF JAYBIRD POWERHOUSE, ELDORADO NATIONAL FOREST.				
Detailed Location:	IN TRANSMISSION LINE ROW IN VICINITY OF HIGH TENSION SPUR RD. MAPPED AS 4 POLYGONS BY CNDDDB FROM USFS DIGITAL DATA, IN THE NORTH HALF OF SECTION 5.				
Ecological:	BURNED PINE FOREST AND DISTURBED TRANSMISSION LINE RIGHT OF WAY. SITE BURNED IN 2014 KING FIRE.				
General:	25 PLANTS OBSERVED IN EAST POLYGON IN 2013. 150+ PLANTS IN WEST POLYGON, 100S IN MIDDLE TWO POLYGONS, AND 100S IN EASTERN POLYGON IN 2015. 20 PLANTS IN EAST POLYGON AND 150 PLANTS IN WEST POLYGON IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	113	Map Index: A3616	EO Index: 105251	Element Last Seen:	2016-06-07
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.83015 / -120.56166		Accuracy:	specific area	
UTM:	Zone-10 N4300753 E711658		Elevation (ft):	4500	
PLSS:	T11N, R13E, Sec. 6, NE (M)		Acres:	8.0	
Location:	RIDGE BETWEEN SUGAR PINE CREEK AND SILVER CREEK, ABOUT 0.6-1.0 AIR MILE EAST OF CAMP SEVEN.				
Detailed Location:	MAPPED AS 3 POLYGONS BY CNDDDB IN THE SOUTH 1/2 OF THE NE 1/4 OF SECTION 6 AND THE WEST 1/2 OF THE NW 1/4 OF SECTION 5, BASED ON USFS DIGITAL DATA.				
Ecological:	BURNED PINE FOREST AND CLEARED TRANSMISSION LINE RIGHT OF WAY. SITE BURNED IN 2014 KING FIRE.				
General:	100 PLANTS OBSERVED IN WEST POLYGON IN 2013. HUNDREDS OF PLANTS OBSERVED THROUGHOUT SITE IN 2015. 19 PLANTS OBSERVED IN WEST POLYGON IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	114	Map Index: A3621	EO Index: 105256	Element Last Seen:	2016-06-07
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.82093 / -120.58071		Accuracy:	specific area	
UTM:	Zone-10 N4299686 E710031		Elevation (ft):	4200	
PLSS:	T11N, R12E, Sec. 12, NE (M)		Acres:	17.0	
Location:	ALONG FOREST RD 12N34 & 12N34L, ABOUT 0.75 TO 1.6 ROAD MILES SOUTH OF CAMP SEVEN, NORTH OF SILVER CREEK.				
Detailed Location:	MAPPED BY CNDDDB AS 5 POLYGONS BASED ON USFS DIGITAL DATA, NEAR THE COMMON CORNER OF SECTIONS 1, 6, 7 & 12.				
Ecological:	SOME PLANTS ADJACENT TO ROAD, OTHERS WITHIN TRANSMISSION LINE RIGHT OF WAY. PONDEROSA PINE-TANOAK FOREST AND MANZANITA SCRUB. BURNED IN 2014 KING FIRE.				
General:	25 PLANTS OBSERVED IN A SMALL PORTION OF SITE IN 2013. 882 PLANTS OBSERVED ACROSS SITE IN 2015. 80 PLANTS OBSERVED ALONG TRANSMISSION LINE IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	115	Map Index: A3623	EO Index: 105258	Element Last Seen:	2015-06-10
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2015-06-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-14
Quad Summary:	Pollock Pines (3812075)				
County Summary:	El Dorado				
Lat/Long:	38.82639 / -120.59637		Accuracy:	specific area	
UTM:	Zone-10 N4300257 E708655		Elevation (ft):	3900	
PLSS:	T11N, R12E, Sec. 1, SW (M)		Acres:	1.0	
Location:	BUTCHER KNIFE JOE; ALONG FOREST ROAD 12N57 EAST OF BRUSH CREEK, AND ABOUT 1.3 AIR MILES SW OF CHAIX MOUNTAIN.				
Detailed Location:	MAPPED BY CNDDDB FROM USFS DIGITAL DATA, ON SECTION LINE BETWEEN THE NW 1/4 OF THE SW 1/4 OF SECTION 1 AND THE NE 1/4 OF THE SE 1/4 OF SECTION 2.				
Ecological:	CONIFER WOODLAND.				
General:	1 PLANT OBSERVED NORTH OF ROAD IN 2015.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	116	Map Index: A3624	EO Index: 105260	Element Last Seen:	2016-05-13
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2016-05-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14
Quad Summary:	Pollock Pines (3812075), Slate Mtn. (3812076)				
County Summary:	El Dorado				
Lat/Long:	38.81726 / -120.62516		Accuracy:	specific area	
UTM:	Zone-10 N4299177 E706182		Elevation (ft):	3400	
PLSS:	T11N, R12E, Sec. 10 (M)		Acres:	161.0	
Location:	NORTH OF BRUSH CREEK RESERVOIR AND ABOUT 2.0-3.5 AIR MILES SW OF CHAIX MOUNTAIN, ELDORADO NF.				
Detailed Location:	MAPPED AS MANY POLYGONS BY CNDDDB FROM USFS DIGITAL DATA, ACROSS PORTIONS OF SECTIONS 2 (SW 1/4), 3 (SOUTH 1/2), 9 (EAST 1/2), 10 (THROUGHOUT) & 11 (NW 1/4).				
Ecological:	UNDERSTORY OF MIXED CONIFER FOREST, PINE-MADRONE WOODLAND, AND MANZANITA CHAPARRAL. SITE BURNED IN 2014 KING FIRE. ASSOCIATES INCLUDE CHAMAEBATIA, ASTRAGALUS, ACMISPON, CLAYTONIA PERFOLIATA, DICHELOSTEMMA, COLLOMIA HETEROPHYLLA, ETC.				
General:	13,656+ PLANTS OBSERVED IN 2015. UNKNOWN NUMBER OF PLANTS SEEN ACROSS THE MAJORITY OF THE OCCURRENCE IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	117	Map Index: A3626	EO Index: 105261	Element Last Seen:	2016-06-06
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2016-06-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14

Quad Summary: Pollock Pines (3812075), Slate Mtn. (3812076)
County Summary: El Dorado

Lat/Long:	38.80312 / -120.60822	Accuracy:	specific area
UTM:	Zone-10 N4297646 E707694	Elevation (ft):	3000
PLSS:	T11N, R12E, Sec. 14 (M)	Acres:	583.0

Location: POHO RIDGE SOUTH OF BRUSHY CREEK RESERVOIR AND NORTH OF SOUTH FORK AMERICAN RIVER.
Detailed Location: MAPPED AS MANY POLYGONS BY CNDDDB FROM USFS DIGITAL DATA, ACROSS PORTIONS OF SECTIONS 10, 11, 13, 14 & 15.
Ecological: WITHIN CLEARINGS AND ALONG ROADSIDES, IN PONDEROSA PINE FOREST AND MANZANITA CHAPARRAL. SITE BURNED IN 2014 KING FIRE.
General: 975 PLANTS OBSERVED IN A PORTION OF SITE IN 2013. 16,872+ PLANTS OBSERVED IN 2015. 5125 PLANTS OBSERVED IN A PORTION OF SITE IN 2016; LIKELY MORE PLANTS IN VICINITY.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	118	Map Index: A3629	EO Index: 105264	Element Last Seen:	2015-06-11
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-06-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-07

Quad Summary: Slate Mtn. (3812076)
County Summary: El Dorado

Lat/Long:	38.804 / -120.65426	Accuracy:	specific area
UTM:	Zone-10 N4297640 E703693	Elevation (ft):	3200
PLSS:	T11N, R12E, Sec. 16, NE (M)	Acres:	14.0

Location: RIDGE BETWEEN BRUSH CREEK AND SLAB CREEK, ALONG FOREST RD 12N56 & RD 12N56F, 0.6-1.25 AIR MI SSW OF OLD PINO.
Detailed Location: MAPPED AS 3 POLYGONS BY CNDDDB BASED ON USFS DIGITAL DATA. TWO POPULATIONS FOUND AT EAST END OF SPUR ROAD 12N56F, AND ONE POPULATION SCATTERED ALONG ROAD 12N56 PAST THE END OF DRIVABLE ROAD.
Ecological: MIXED CONIFER FOREST, OAK WOODLAND, AND CHAPARRAL WITH ARCTOSTAPHYLOS VISCIDA, ERIODICTYON, ETC. SITE BURNED IN 2014 KING FIRE.
General: IN 2015, ABOUT 100+ PLANTS OBSERVED IN SW POLYGON AND AN UNKNOWN NUMBER OBSERVED IN 2 NE POLYGONS.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	119	Map Index: A3634	EO Index: 105270	Element Last Seen:	2017-07-14
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-07-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-27

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.78392 / -120.63424	Accuracy:	specific area
UTM:	Zone-10 N4295457 E705489	Elevation (ft):	3100
PLSS:	T11N, R12E, Sec. 22, W (M)	Acres:	11.0

Location: ALONG TRANSMISSION CORRIDOR AT INDEPENDENCE POINT, ~ 0.6 TO 1.5 AIR MI SW OF EL DORADO POWERHOUSE, NORTH OF LONG CANYON.

Detailed Location: 5 POLYGONS MAPPED ACCORDING TO USFS DIGITAL DATA AND PRESTON DIGITAL DATA, IN THE WEST 1/2 OF SECTION 22 AND THE SE 1/4 OF THE SE 1/4 OF SECTION 21.

Ecological: OPEN AREAS IN CHAPARRAL, WITH GRINDELIA CAMPORUM, ELYMUS, LUPINUS, ANTENNARIA ARGENTEA, HYPERICUM CONCINNUM, ACMISPON GRANDIFLORUS, GNAPHALIUM THERMALE, CHAMAEBATIA FOLIOLOSA, PTERIDIUM AQUILINUM, HYPOCHAERIS RADICATA, FESTUCA MYUROS, ETC.

General: POPULATION NUMBERS FOR PORTIONS OF SITE: 40 PLANTS OBSERVED BY SMUD AT AN UNKNOWN DATE, UNKNOWN NUMBER OF PLANTS OBSERVED IN 2004, 100 PLANTS OBSERVED IN 2013, 1550 PLANTS IN 2016, 340 PLANTS IN 2017. INCLUDES FORMER OCCURRENCE #120.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	121	Map Index: A3638	EO Index: 105273	Element Last Seen:	2016-06-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-07-12
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.77032 / -120.65747	Accuracy:	specific area
UTM:	Zone-10 N4293895 E703510	Elevation (ft):	3085
PLSS:	T11N, R12E, Sec. 29, SE (M)	Acres:	3.0

Location: ROAD AND TRANSMISSION LINE WEST OF BADGER HILL, ABOUT 0.5 AIR MILE NNE OF CONFLUENCE OF BRUSHY CANYON AND IOWA CANYON.

Detailed Location: MAPPED AS 2 POLYGONS ACCORDING TO USFS DIGITAL DATA, IN THE NE 1/4 OF THE SE 1/4 OF SECTION 29.

Ecological:

General: ABOUT 95 PLANTS OBSERVED IN EASTERN POLYGON IN 2013. 80 PLANTS IN WESTERN POLYGON AND 15 PLANTS IN EASTERN POLYGON IN 2016. ALL PLANTS SEEN IN THIS AREA BY PRESTON IN 2017 WERE C. POMERIDIANUM; ID OF THIS OCCURRENCE IS QUESTIONABLE.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	122	Map Index: A3639	EO Index: 105274	Element Last Seen:	2015-07-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-07-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-07

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.82574 / -120.68799	Accuracy:	specific area
UTM:	Zone-10 N4299979 E700703	Elevation (ft):	3600
PLSS:	T11N, R12E, Sec. 6, SW (M)	Acres:	20.0

Location: SLATE MOUNTAIN; ABOUT 2.5 AIR MILES NORTH OF SLAB CREEK RESERVOIR.
Detailed Location: MAPPED AS 6 POLYGONS BY CNDDDB BASED ON USFS DIGITAL DATA, IN PORTIONS OF SECTIONS 1, 6 & 7.
Ecological: ALONG TRAILS AND ON ROCKY SLOPES WITH ARCTOSTAPHYLOS VISCIDA.
General: ABOUT 275 PLANTS OBSERVED IN 2015. SURVEYS WERE LATE IN SEASON; LIKELY MORE PLANTS IN AREA.
Owner/Manager: USFS-ELDORADO NF, PVT?

Occurrence No.	123	Map Index: A3641	EO Index: 105276	Element Last Seen:	2015-07-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-07-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-07

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.83436 / -120.71567	Accuracy:	specific area
UTM:	Zone-10 N4300874 E698276	Elevation (ft):	2800
PLSS:	T11N, R11E, Sec. 2, NE (M)	Acres:	1.0

Location: ABOUT 1.8 AIR MILES NW OF SUMMIT OF SLATE MOUNTAIN, EAST OF WHALER CREEK AND JUST NORTH OF FOREST RD 12N70.
Detailed Location: MAPPED BY CNDDDB FROM USFS DIGITAL DATA, IN THE NORTH 1/2 OF THE NE 1/4 OF SECTION 2.
Ecological:
General: 7 PLANTS OBSERVED IN 2015.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	124	Map Index: A3643	EO Index: 105278	Element Last Seen:	2015-07-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-07-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-08

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.83699 / -120.72027	Accuracy:	specific area
UTM:	Zone-10 N4301157 E697869	Elevation (ft):	2560
PLSS:	T11N, R11E, Sec. 2, NW (M)	Acres:	1.0

Location: ABOUT 2.1 AIR MILES NW OF SUMMIT OF SLATE MOUNTAIN, JUST EAST OF WHALER CREEK.
Detailed Location: MAPPED BY CNDDDB FROM USFS DIGITAL DATA, IN THE NE 1/4 OF THE NW 1/4 OF SECTION 2.
Ecological:
General: 5 PLANTS OBSERVED IN 2015, IN TRAIL SCHEDULED TO BE DECOMMISSIONED.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	125	Map Index: A3644	EO Index: 105279	Element Last Seen:	2015-07-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-07-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-08
Quad Summary:	Slate Mtn. (3812076)				
County Summary:	El Dorado				
Lat/Long:	38.84643 / -120.69948		Accuracy:	specific area	
UTM:	Zone-10 N4302250 E699648		Elevation (ft):	3110	
PLSS:	T12N, R11E, Sec. 36, NE (M)		Acres:	2.0	
Location:	ABOUT 1.25 AIR MILES WNW OF SOAPWEED, AT JUNCTION BETWEEN FOREST RD 12N70 AND RD 12N75.				
Detailed Location:	MAPPED BY CNDDDB FROM USFS DIGITAL DATA, IN THE SW 1/4 OF THE NE 1/4 OF SECTION 36.				
Ecological:	ALONG TRAIL.				
General:	22 PLANTS OBSERVED IN 2015, ALONG TRAIL TO BE DECOMMISSIONED.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	126	Map Index: A3645	EO Index: 105280	Element Last Seen:	2016-09-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-09-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14
Quad Summary:	Slate Mtn. (3812076)				
County Summary:	El Dorado				
Lat/Long:	38.86167 / -120.73415		Accuracy:	specific area	
UTM:	Zone-10 N4303866 E696597		Elevation (ft):	3000	
PLSS:	T12N, R11E, Sec. 27, E (M)		Acres:	12.0	
Location:	ROCK CREEK TRAILS SYSTEM AT NORTH END OF SLATE MOUNTAINS, ABOUT 1.2 TO 1.6 AIR MILES SOUTH OF SUGARLOAF.				
Detailed Location:	8 POLYGONS MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE EAST 1/2 OF SECTION 27 AND THE SW 1/4 OF THE NW 1/4 OF SECTION 26.				
Ecological:					
General:	21 PLANTS OBSERVED IN SOUTHERNMOST POLYGON IN 2015. 46+ PLANTS OBSERVED IN THE REMAINDER OF THE OCCURRENCE IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	127	Map Index: A3647	EO Index: 105282	Element Last Seen:	2015-07-09
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-08
Quad Summary:	Slate Mtn. (3812076)				
County Summary:	El Dorado				
Lat/Long:	38.86417 / -120.71645		Accuracy:	specific area	
UTM:	Zone-10 N4304182 E698125		Elevation (ft):	3115	
PLSS:	T12N, R11E, Sec. 26, NE (M)		Acres:	1.0	
Location:	ABOUT 1.7 AIR MILES SE OF SUGARLOAF NEAR HEAD OF BALLARAT CANYON, JUST WEST OF FOREST RD 12N82C.				
Detailed Location:	MAPPED BY CNDDDB FROM USFS DIGITAL DATA, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 26.				
Ecological:					
General:	4 FRUITING PLANTS OBSERVED IN 2015. SURVEY WAS LATE IN SEASON; LIKELY MORE PLANTS IN AREA.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	128	Map Index: A3648	EO Index: 105283	Element Last Seen:	2015-07-09
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-07-09
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-08
Quad Summary:	Slate Mtn. (3812076)				
County Summary:	El Dorado				
Lat/Long:	38.86635 / -120.72299		Accuracy:	specific area	
UTM:	Zone-10 N4304410 E697552		Elevation (ft):	3120	
PLSS:	T12N, R11E, Sec. 26, NW (M)		Acres:	2.0	
Location:	ABOUT 1.3 AIR MILES SE OF SUGARLOAF NEAR HEAD OF BALLARAT CANYON, JUST SE OF FOREST RD 12N82.				
Detailed Location:	MAPPED BY CNDDDB FROM USFS DIGITAL DATA, IN THE NE 1/4 OF THE NW 1/4 OF SECTION 26.				
Ecological:					
General:	5 FRUITING PLANTS OBSERVED IN 2015. SURVEY WAS LATE IN SEASON; LIKELY MORE PLANTS IN AREA.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	129	Map Index: A3649	EO Index: 105285	Element Last Seen:	2015-07-16
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2015-07-16
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-02-08
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.88575 / -120.7181		Accuracy:	specific area	
UTM:	Zone-10 N4306574 E697922		Elevation (ft):	3300	
PLSS:	T12N, R11E, Sec. 14, S (M)		Acres:	1.0	
Location:	JUST WEST OF FOREST RD 12N70, ABOUT 1 AIR MILE ENE OF SUGARLOAF PEAK, NW OF BALD MOUNTAIN CANYON.				
Detailed Location:	MAPPED BY CNDDDB FROM USFS DIGITAL DATA, IN THE SOUTH HALF OF SECTION 14.				
Ecological:					
General:	7 FRUITING PLANTS OBSERVED IN 2015. SURVEY WAS LATE IN SEASON; LIKELY MORE PLANTS IN AREA.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	130	Map Index: A3650	EO Index: 105286	Element Last Seen:	2016-09-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-09-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14
Quad Summary:	Tunnel Hill (3812086), Georgetown (3812087)				
County Summary:	El Dorado				
Lat/Long:	38.88592 / -120.75334		Accuracy:	specific area	
UTM:	Zone-10 N4306517 E694865		Elevation (ft):	2900	
PLSS:	T12N, R11E, Sec. 16, SE (M)		Acres:	6.0	
Location:	ABOUT 0.7 TO 1.2 AIR MILE WNW OF SUGARLOAF, SOUTH OF LITTLE SILVER CREEK.				
Detailed Location:	7 POLYGONS MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SE 1/4 OF SECTION 16.				
Ecological:	DISTURBED. FOUND ALONG BOTH SIDES OF TRAIL.				
General:	1-2 PLANTS OBSERVED IN EASTERNMOST POLYGON IN 2004. 71+ PLANTS OBSERVED IN THE REMAINDER OF THE OCCURRENCE IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	131	Map Index:	A3651	EO Index:	105287	Element Last Seen:	2016-06-29
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2016-06-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-12-14	
Quad Summary:	Tunnel Hill (3812086)						
County Summary:	El Dorado						
Lat/Long:	38.90371 / -120.70499	Accuracy:	specific area				
UTM:	Zone-10 N4308595 E699009	Elevation (ft):	4580				
PLSS:	T12N, R11E, Sec. 12, W (M)	Acres:	3.0				
Location:	BALD MOUNTAIN; ABOUT 1.2 AIR MILES SW OF QUINTETTE, ELDORADO NATIONAL FOREST.						
Detailed Location:	MAPPED BY CNDDDB AS 3 POLYGONS IN THE WEST HALF OF SECTION 12. NORTH AND SOUTH POLYGON BASED ON USFS DIGITAL DATA; MIDDLE POLYGON BASED ON 2016 QUINN FIELD SURVEY.						
Ecological:	NORTHERN POPULATION GROWING ON ROCKY OUTCROP AREA NEAR RADIO TOWER; SOUTHERN POPULATION GROWING ON TRAIL. MIDDLE POPULATION PARTIALLY WITHIN FENCED COMMUNICATION FACILITY IN ROCKY AREA, AND PARTIALLY IN CLEARED AREA OUTSIDE FACILITY.						
General:	IN 2015, 38 PLANTS IN NORTH POLYGON AND 30 PLANTS IN SOUTH POLYGON. ABOUT 30 PLANTS IN MIDDLE POLYGON IN 2016.						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	147	Map Index:	A3715	EO Index:	105360	Element Last Seen:	2016-06-09
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2016-06-09	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-02-10	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.89916 / -120.39005	Accuracy:	80 meters				
UTM:	Zone-10 N4308824 E726337	Elevation (ft):	5270				
PLSS:	T12N, R14E, Sec. 10, SE (M)	Acres:	5.0				
Location:	ABOUT 0.8 AIR MILE NORTH OF NORTH SHORE OF UNION VALLEY RESERVOIR AND 1.9 AIR MILES SSE OF ROBBS PEAK.						
Detailed Location:	MAPPED FROM 2016 SPI COORDINATES, IN THE NORTH 1/2 OF THE SE 1/4 OF SECTION 10.						
Ecological:	OPENING ON WEST SIDE OF DIRT ROAD. FLAT AREA WITH 0% CANOPY COVER WITHIN MIXED CONIFER FOREST. ASSOCIATES INCLUDE MIMULUS TORREYI, LEPTOSIPHON CILIATUS, CEANOTHUS CORDULATUS, ARCTOSTAPHYLOS PATULA, GAYOPHYTUM DIFFUSA, CHIMAPHILA, ETC.						
General:	30 PLANTS OBSERVED IN 2016.						
Owner/Manager:	PVT-SIERRA PACIFIC						



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Occurrence No.	148	Map Index: B1658	EO Index: 113572	Element Last Seen:	2016-06-22
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-22
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14

Quad Summary: Riverton (3812074)

County Summary: El Dorado

Lat/Long:	38.86609 / -120.40996	Accuracy:	specific area
UTM:	Zone-10 N4305105 E724715	Elevation (ft):	4845
PLSS:	T12N, R14E, Sec. 21, SE (M)	Acres:	1.0

Location: EASTERN SHORE OF UNION VALLEY RESERVOIR, ABOUT 1.6 AIR MILE NORTH OF BIG HILL.

Detailed Location: NEAR SHORE APPROXIMATELY 200 FEET WEST OF PENN SPUR H. MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SOUTH 1/2 OF THE SE 1/4 OF SECTION 21.

Ecological:

General: 1 PLANT OBSERVED IN 2016. ID OF THIS POPULATION NEEDS TO BE VERIFIED.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	149	Map Index: B1659	EO Index: 113573	Element Last Seen:	2016-06-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.84318 / -120.53433	Accuracy:	specific area
UTM:	Zone-10 N4302263 E713991	Elevation (ft):	3800
PLSS:	T12N, R13E, Sec. 33, W (M)	Acres:	11.0

Location: ALONG JAYBIRD SPRING ROAD JUST E OF SILVER CREEK AND S OF BIG BEND, 0.4 TO 0.7 AIR MILE N OF JAYBIRD POWER HOUSE.

Detailed Location: 4 POLYGONS MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE WEST 1/2 OF SECTION 33.

Ecological:

General: 2016 POPULATION NUMBERS FOR POLYGONS FROM SW TO NE: 75, 700, 50, AND 50 PLANTS SEEN.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	150	Map Index: B1660	EO Index: 113574	Element Last Seen:	2016-06-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14

Quad Summary: Pollock Pines (3812075)

County Summary: El Dorado

Lat/Long:	38.83123 / -120.5341	Accuracy:	specific area
UTM:	Zone-10 N4300938 E714047	Elevation (ft):	3000
PLSS:	T11N, R13E, Sec. 4, NW (M)	Acres:	11.0

Location: ALONG ACCESS ROAD SOUTH OF CAMINO POWERHOUSE, BETWEEN MOUTH OF JAY BIRD CANYON AND MOUTH OF ROUND TENT CANYON.

Detailed Location: MAPPED ACCORDING TO USFS DIGITAL DATA, WITHIN THE NW 1/4 OF SECTION 4.

Ecological:

General: 20 PLANTS OBSERVED IN 2016. A 1994 GREENHOUSE OBSERVATION FROM "JAYBIRD POWERHOUSE" IS ALSO ATTRIBUTED TO THIS SITE.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	151	Map Index: B1661	EO Index: 113575	Element Last Seen:	2016-06-01
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-01
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.7666 / -120.66217	Accuracy:	specific area
UTM:	Zone-10 N4293472 E703113	Elevation (ft):	3011
PLSS:	T11N, R12E, Sec. 29, SE (M)	Acres:	1.0

Location: EASTERN EDGE OF TRANSMISSION LINE ROW ~1/2 MILE SOUTHWEST OF CABLE ROAD, NORTHWEST OF THE MOUTH OF IOWA CANYON.

Detailed Location: MAPPED ACCORDING TO USFS DIGITAL DATA, WITHIN THE SW 1/4 OF THE SE 1/4 OF SECTION 29.

Ecological:

General: 40 PLANTS OBSERVED IN 2016. APPEARS TO BE CO-MINGLING WITH CHLOROGALUM POMERIDIANUM - NEEDS VERIFICATION.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	152	Map Index: B1663	EO Index: 113577	Element Last Seen:	2016-08-31
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-08-31
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.82527 / -120.6643	Accuracy:	specific area
UTM:	Zone-10 N4299979 E702761	Elevation (ft):	3300
PLSS:	T11N, R12E, Sec. 5, SW (M)	Acres:	2.0

Location: ALONG USFS ROAD 11E49/12N60B, ABOUT 0.9 AND 1.1 AIR MILES ENE OF THE SUMMIT OF SLATE MOUNTAIN.

Detailed Location: 2 POLYGONS MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SOUTH 1/2 OF THE SW 1/4 OF SECTION 5.

Ecological:

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2016.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	153	Map Index: B1665	EO Index: 113580	Element Last Seen:	2016-04-25
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-04-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14

Quad Summary: Slate Mtn. (3812076)

County Summary: El Dorado

Lat/Long:	38.83971 / -120.73823	Accuracy:	specific area
UTM:	Zone-10 N4301420 E696302	Elevation (ft):	2655
PLSS:	T12N, R11E, Sec. 34, S (M)	Acres:	4.0

Location: WESTERN END OF USFS RD 12N83A, ABOUT 3.1 AIR MILES WNW OF THE SUMMIT OF SLATE MOUNTAIN.

Detailed Location: ROCK CREEK TRAILS SYSTEM. MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SOUTH 1/2 OF SECTION 34.

Ecological:

General: 100+ PLANTS IN ROSETTE STAGE OBSERVED IN 2016.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	154	Map Index: B1667	EO Index: 113581	Element Last Seen:	2016-06-02
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-06-02
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14
Quad Summary:	Garden Valley (3812077)				
County Summary:	El Dorado				
Lat/Long:	38.84822 / -120.77439		Accuracy:	specific area	
UTM:	Zone-10 N4302287 E693141		Elevation (ft):	2408	
PLSS:	T12N, R11E, Sec. 32, NE (M)		Acres:	1.0	
Location:	JUST WEST OF THE JUNCTION OF USFS ROADS 12N80 AND 12N80G, ABOUT 1.25 AIR MILES SOUTH OF THE MOUTH OF HOG CANYON.				
Detailed Location:	MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SW 1/4 OF THE NE 1/4 OF SECTION 32.				
Ecological:					
General:	UNKNOWN NUMBER OF PLANTS OBSERVED IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				

Occurrence No.	155	Map Index: B1669	EO Index: 113583	Element Last Seen:	2016-08-17
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-08-17
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-12-14
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	El Dorado				
Lat/Long:	38.97674 / -120.68973		Accuracy:	specific area	
UTM:	Zone-10 N4316734 E700127		Elevation (ft):	3000	
PLSS:	T13N, R11E, Sec. 13, E (M)		Acres:	2.0	
Location:	WESTERN END OF NEVADA POINT TRAIL JUST EAST OF RUBICON ROAD, RIDGELINE ABOVE RUBICON RIVER.				
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO USFS DIGITAL DATA, ON THE EASTERN BORDER OF SECTION 13.				
Ecological:					
General:	3 SEEDING PLANTS SEEN IN NORTHERN POLYGON AND 1 SEEDING PLANT IN SOUTHERN POLYGON IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				

<i>Poa sierrae</i>	Element Code: PMPOA4Z310				
Sierra blue grass					
Listing Status:	Federal: None		CNDDB Element Ranks:	Global: G3	
	State: None			State: S3	
	Other:	Rare Plant Rank - 1B.3, USFS_S-Sensitive			
Habitat:	General:	LOWER MONTANE CONIFEROUS FOREST.			
	Micro:	SHADY, MOIST, ROCKY SLOPES. OFTEN IN CANYONS. 365-1915 M.			



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Occurrence No.	2	Map Index: 81877	EO Index: 82849	Element Last Seen:	2015-06-23
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-06-23
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-02-08
Quad Summary:	Devil Peak (3812085)				
County Summary:	El Dorado				
Lat/Long:	38.91257 / -120.54783		Accuracy:	specific area	
UTM:	Zone-10 N4309933 E712613		Elevation (ft):	4000	
PLSS:	T12N, R13E, Sec. 5 (M)		Acres:	41.0	
Location:	JUST NORTH OF LEONARDI SPRING, SOUTH SIDE OF RUBICON RIVER CANYON, EAST OF GEORGETOWN.				
Detailed Location:	ALONG OLD LOGGING ROAD AND 10 FEET FROM AN AREA THAT HAD BEEN RECENTLY THINNED. MAPPED BY CNDDDB AS 5 POLYGONS ACCORDING TO USFS DIGITAL DATA. 1970 HOWELL COLLECTION FROM "IN RUBICON RIVER CYN, NNE OF LEONARDI SPRING" ATTRIBUTED HERE.				
Ecological:	GROWING ON SLOPES WITH MOSS-COVERED ROCKS OR THICK DUFF LAYER. IN THE UNDERSTORY OF PSEUDOTSUGA MENZIESII, ABIES CONCOLOR, CALOCEDRUS DECURRENS, AND QUERCUS. MOSTLY FOUND IN AREAS WITH LITTLE OR NO VEGETATION. BURNED IN 2014.				
General:	3 WESTERN POLYGONS: IN 2012, PLANTS GROWING IN SMALL PATCHES TO EXTENSIVE STANDS, ESTIMATED TO COVER A TOTAL OF 2200 SQUARE FEET WITH MORE POTENTIAL HABITAT IN AREA. 2 EASTERN POLYGONS: 50+ PLANTS IN 2015.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	18	Map Index: 93594	EO Index: 94720	Element Last Seen:	2015-06-25
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2015-09-XX
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-02-16
Quad Summary:	Robbs Peak (3812084)				
County Summary:	El Dorado, Placer				
Lat/Long:	38.95886 / -120.48351		Accuracy:	specific area	
UTM:	Zone-10 N4315223 E718048		Elevation (ft):	3500	
PLSS:	T13N, R13E, Sec. 23, SE (M)		Acres:	33.0	
Location:	BOTH SIDES OF THE RUBICON RIVER NEAR HISTORIC ELLICOTT BRIDGE, APPROXIMATELY 1 AIR MILE SW OF THE S FORK RUBICON RIVER.				
Detailed Location:	MAPPED BY CNDDDB AS 5 POLYGONS ACCORDING TO 2012 LO DIGITAL DATA, 2013 BLACKBURN COORDINATES, AND 2015 ELDORADO NF DIGITAL DATA. MOSTLY IN THE SE 1/4 OF SECTION 23 AND THE NW 1/4 OF THE NE 1/4 OF SECTION 26.				
Ecological:	GROWING ON SLOPES WITH MOSS-COVERED ROCKS OR THICK DUFF LAYER. IN THE UNDERSTORY OF PSEUDOTSUGA MENZIESII, CALOCEDRUS DECURRENS, AND QUERCUS KELLOGGII FOREST. MOSTLY FOUND IN AREAS WITH LITTLE OR NO VEGETATION. NW ASPECT. BURNED IN 2014.				
General:	PLANT GROWING IN SMALL TO MEDIUM PATCHES WITH TOTAL AREA OF ~212 SQ FT IN 2012; MORE POTENTIAL HABITAT NEARBY. 300+ PLANTS IN 2013. 2015: 730+ PLANTS IN FOUR S POLYGONS (6/2015); 0 PLANTS IN N POLYGON DURING LATE-SEASON VISIT (9/2015).				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	19	Map Index:	93595	EO Index:	94721	Element Last Seen:	2015-06-22
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2015-06-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-02-08	
Quad Summary:	Devil Peak (3812085)						
County Summary:	El Dorado						
Lat/Long:	38.90803 / -120.55486			Accuracy:	specific area		
UTM:	Zone-10 N4309414 E712017			Elevation (ft):	4545		
PLSS:	T12N, R13E, Sec. 7, NE (M)			Acres:	1.0		
Location:	APPROXIMATELY 0.45 AIR MILE WSW OF LEONARDI SPRING, SOUTH OF THE RUBICON RIVER.						
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2012 LO DIGITAL DATA AND 2015 ELDORADO NF DIGITAL DATA, IN THE NE 1/4 OF THE NE 1/4 OF SECTION 7.						
Ecological:	GROWING ON A SLOPE WITH A THICK OAK DUFF LAYER IN QUERCUS CHRYSOLEPIS WOODLAND. WITH PHACELIA STEBBINSI. ASPECT IS NW, SLOPE IS >100%, LIGHT EXPOSURE IS PART-SHADE, SOIL MOISTURE IS MESIC AND SOIL TYPE IS VOLCANIC.						
General:	IN 2012, PLANTS COVERED AN ESTIMATED AREA OF 50 SQUARE FEET. 20 PLANTS OBSERVED IN 2015.						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	20	Map Index:	93596	EO Index:	94722	Element Last Seen:	2012-08-22
Occ. Rank:	Poor	Presence:	Presumed Extant	Site Last Seen:		2012-08-22	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2014-08-27	
Quad Summary:	Devil Peak (3812085)						
County Summary:	Placer						
Lat/Long:	38.92171 / -120.56942			Accuracy:	specific area		
UTM:	Zone-10 N4310898 E710712			Elevation (ft):	3800		
PLSS:	T12N, R13E, Sec. 06, NW (M)			Acres:	13.0		
Location:	APPROXIMATELY 0.6 TO 0.9 AIR MILE SSE OF PIGEON ROOST MINE, NORTH OF THE RUBICON RIVER.						
Detailed Location:	MAPPED BY CNDDDB AS 4 POLYGONS ACCORDING TO 2012 LO DIGITAL DATA, IN THE NW 1/4 OF SECTION 6.						
Ecological:	GROWING ON SLOPES WITH THIN TO THICK DUFF LAYER. IN THE UNDERSTORY OF PSEUDOTSUGA MENZIESII AND ACER MACROPHYLLUM FOREST. ASSOCIATED WITH PROSARTES HOOKERI, VIOLA LOBATA, ASYNEUMA PRENANTHOIDES, TOXICODENDRON DIVERSILOBUM, MOSS, ETC.						
General:	IN 2012, PLANTS COVERED AN ESTIMATED AREA OF 55 SQUARE FEET. MOST PATCHES ARE VERY SMALL. THERE IS MORE POTENTIAL HABITAT BELOW THE OCCURRENCE.						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	21	Map Index: 93597	EO Index: 94723	Element Last Seen:	2012-09-11
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen:	2012-09-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-08-27
Quad Summary:	Devil Peak (3812085), Greek Store (3912015)				
County Summary:	Placer				
Lat/Long:	38.99610 / -120.55813		Accuracy:	specific area	
UTM:	Zone-10 N4319180 E711470		Elevation (ft):	3800	
PLSS:	T13N, R13E, Sec. 08 (M)		Acres:	93.0	
Location:	VICINITY OF RAMSEY CROSSING ALONG THE WALLACE SCHLEIN TRAIL, SOUTH SIDE OF LONG CANYON.				
Detailed Location:	MAPPED BY CNDDDB AS 11 POLYGONS ACCORDING TO 2012 LO DIGITAL DATA.				
Ecological:	GROWING ON SLOPES WITH MOSS-COVERED ROCKS OR THICK DUFF LAYER. IN THE UNDERSTORY OF PSEUDOTSUGA MENZIESII, CALOCEDRUS DECURRENS, QUERCUS KELLOGGII, AND Q. CHRYSOLEPIS FOREST. USUALLY FOUND GROWING IN AREAS WITH LITTLE OR NO VEGETATION.				
General:	IN 2012, PLANTS WERE GROWING IN SMALL PATCHES TO VERY EXTENSIVE STANDS COVERING 11,550 SQUARE FEET. MORE POTENTIAL HABITAT EXISTS IN THE AREA.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	22	Map Index: 93598	EO Index: 94724	Element Last Seen:	2012-09-05
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2012-09-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2014-08-27
Quad Summary:	Tunnel Hill (3812086)				
County Summary:	Placer				
Lat/Long:	38.98871 / -120.63388		Accuracy:	specific area	
UTM:	Zone-10 N4318187 E704930		Elevation (ft):	3600	
PLSS:	T13N, R12E, Sec. 10, SW (M)		Acres:	3.0	
Location:	JUST SW OF LYNCHBURG HILL, BETWEEN LONG CANYON AND RALSTON RIDGE.				
Detailed Location:	MAPPED BY CNDDDB ACCORDING TO 2012 LO DIGITAL DATA ALONG THE SECTION LINE BETWEEN THE NE 1/4 OF THE SE 1/4 OF SECTION 9 AND THE NW 1/4 OF THE SW 1/4 OF SECTION 10.				
Ecological:	GROWING ON SLOPES WITH MOSS-COVERED ROCKS OR THICK DUFF LAYER. IN THE UNDERSTORY OF PSEUDOTSUGA MENZIESII AND QUERCUS KELLOGGII FOREST. MOSTLY FOUND IN AREAS WITH LITTLE OR NO VEGETATION. ASSOCIATED WITH TOXICODENDRON, GALIUM, ETC.				
General:	IN 2012, PLANTS WERE GROWING IN SMALL TO MEDIUM SIZED PATCHES COVERING 180 SQUARE FEET. MORE POTENTIAL HABITAT EXISTS BELOW THE OCCURRENCE.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	38	Map Index:	A8333	EO Index:	110118	Element Last Seen:	2016-04-12
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2016-04-12	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-02-05	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.93768 / -120.49379			Accuracy:	specific area		
UTM:	Zone-10 N4312847 E717222			Elevation (ft):	4245		
PLSS:	T13N, R13E, Sec. 35, NW (M)			Acres:	3.0		
Location:	ALONG ELEVEN PINES ROAD [RD 14N08] ABOUT 1.7 AIR MILES SSW OF ELLICOTT BRIDGE, AND 0.3 AIR MILE S OF THE RUBICON RIVER.						
Detailed Location:	ABOUT 100 FEET UPSLOPE FROM ROAD. MAPPED BY CNDDDB BASED ON ELDORADO NF DIGITAL DATA, IN THE NE 1/4 OF THE NW 1/4 OF SECTION 35.						
Ecological:	GRANITE OUTCROP IN PINE/OAK FOREST. NNW ASPECT. SITE BURNED AT HIGH INTENSITY IN 2014 KING FIRE.						
General:	100S OF PLANTS OBSERVED IN 2015 & 2016. ELDORADO NF POPULATION #15-01.						
Owner/Manager:	USFS-ELDORADO NF						

Occurrence No.	39	Map Index:	A8337	EO Index:	110120	Element Last Seen:	2016-04-13
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2016-04-13	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-02-05	
Quad Summary:	Devil Peak (3812085)						
County Summary:	El Dorado						
Lat/Long:	38.92509 / -120.52447			Accuracy:	specific area		
UTM:	Zone-10 N4311378 E714601			Elevation (ft):	4380		
PLSS:	T13N, R13E, Sec. 33, SE (M)			Acres:	6.0		
Location:	SOUTH OF RUBICON RIVER AND 0.3-0.5 AIR MILE NNW OF VAUGHN CABIN, ABOUT 1.6 AIR MILES NE OF LEONARDI SPRING.						
Detailed Location:	MAPPED BY CNDDDB BASED ON ELDORADO NF DIGITAL DATA, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 33.						
Ecological:	BURNED OAK-CONIFER FOREST, WITH MANY RESPROUTING OAKS AND SYMPHYOTRICHUM SP. NORTH ASPECT. SITE BURNED IN 2014 KING FIRE.						
General:	100 PLANTS OBSERVED IN EACH POLYGON IN 2015. 100 PLANTS IN NW POLYGON IN 2016. ELDORADO NF POPULATION #16.						
Owner/Manager:	USFS-ELDORADO NF						

<i>Botrychium montanum</i>				Element Code: PPOPH010K0			
western goblin							
Listing Status:	Federal:	None		CNDDDB Element Ranks:	Global:	G3	
	State:	None			State:	S2	
	Other:	Rare Plant Rank - 2B.1, USFS_S-Sensitive					
Habitat:	General:	LOWER MONTANE CONIFEROUS FOREST, UPPER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS.					
	Micro:	CREEKBANKS IN OLD-GROWTH FOREST. 1430-2430 M.					



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Occurrence No.	24	Map Index:	91269	EO Index:	92317	Element Last Seen:	2015-08-11
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2015-08-11	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2016-03-02	

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.96092 / -120.36722	Accuracy:	specific area
UTM:	Zone-10 N4315736 E728118	Elevation (ft):	5640
PLSS:	T13N, R14E, Sec. 23, NE (M)	Acres:	1.0

Location: SIDE DRAINAGE OF THE SOUTH FORK RUBICON RIVER NEAR ICE HOUSE ROAD, APPROXIMATELY 1 AIR MILE WEST OF STONE CELLAR.

Detailed Location: FROM INTERSECTION OF ICE HOUSE RD AND WENTWORTH SPRINGS RD, GO NORTH ON ICE HOUSE RD. IN LESS THAN 1.5 MI, TURN RIGHT ON ROAD 13N20. PARK IN FIRST LARGE PULLOVER. MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 23.

Ecological: GROWING ALONG A PERENNIAL AND EPHEMERAL STRETCH OF A NARROW DRAINAGE. FOREST IS DOMINATED BY ABIES CONCOLOR. 2 PLANTS FOUND IN THE BOTTOM OF THE EPHEMERAL SECTION OF THE DRAINAGE IN SANDY GRAVELLY SOIL. GENTLE SLOPE, SW ASPECT, MOIST SOIL.

General: 15-16 PLANTS OBSERVED IN 2012. SITE REVISITED IN 2015; UNKNOWN NUMBER OF PLANTS SEEN. SITE IS FLAGGED FOR AVOIDANCE. THE RARE BOTRYCHIUM CRENLATUM AND B. MINGANENSE OCCUR NEARBY. ELDORADO NF POPULATION #BOMO-001.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	64	Map Index:	B0422	EO Index:	112285	Element Last Seen:	2016-08-02
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2016-08-02	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-08-20	

Quad Summary: Leek Spring Hill (3812063)

County Summary: El Dorado

Lat/Long:	38.69687 / -120.33668	Accuracy:	specific area
UTM:	Zone-10 N4286506 E731620	Elevation (ft):	5684
PLSS:	T10N, R15E, Sec. 20, S (M)	Acres:	4.0

Location: APPROXIMATELY 1.1 AIR MILES SOUTHWEST OF MORRISON, ESE OF IRON MOUNTAIN, ELDORADO NATIONAL FOREST.

Detailed Location: NE SIDE OF FOREST SERVICE ROAD 10N44B. MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SOUTH 1/2 OF SECTION 20.

Ecological: GROWING ALONG BANKS OF PERENNIAL STRETCH OF DRAINAGE AND IN SEEP, OFTEN AT BASE OF TREES OR SAPLINGS. ASSOCIATED WITH LISTERA CONVALLARIOIDES, CIRCAEA ALPINA SSP. PACIFICA, MOSS, VIOLA SP., SENECIO TRIANGULARIS, AND ADENOCAULON BICOLOR.

General: 8 PLANTS OBSERVED IN 2016.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	65	Map Index: B0423	EO Index: 112286	Element Last Seen:	2016-07-19
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-07-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-20
Quad Summary:	Leek Spring Hill (3812063)				
County Summary:	El Dorado				
Lat/Long:	38.73753 / -120.29071		Accuracy:	specific area	
UTM:	Zone-10 N4291136 E735486		Elevation (ft):	5755	
PLSS:	T10N, R15E, Sec. 10, NE (M)		Acres:	1.0	
Location:	SOUTH SIDE OF BEANVILLE CREEK, APPROXIMATELY 0.75 AIR MILE NNW OF OSO SPRING, ELDORADO NATIONAL FOREST.				
Detailed Location:	MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE NE 1/4 OF THE NE 1/4 OF SECTION 10.				
Ecological:	GROWING IN DENSE DUFF OR MOSS ALONG BANKS OF A NARROW PERENNIAL STREAM BELOW SPRING AND UNDER ALNUS INCANA SSP. TENUIFOLIA UP TO 8 FT AWAY FROM STREAM. IN SHADE AND WET SOIL WITH PECTANTIA SP., CLINTONIA UNIFLORA, VIOLA SP., ETC.				
General:	4 STEMS (ALL WITH SPOROPHORES) OBSERVED IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	66	Map Index: B0425	EO Index: 112287	Element Last Seen:	2017-07-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-07-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-20
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.81021 / -120.30424		Accuracy:	specific area	
UTM:	Zone-10 N4299168 E734071		Elevation (ft):	6200	
PLSS:	T11N, R15E, Sec. 9, SW (M)		Acres:	2.0	
Location:	TRIBUTARY TO ICE HOUSE RESERVOIR, APPROXIMATELY 1.8 AIR MILES SSW OF WINDMILLER CABIN, ELDORADO NATIONAL FOREST.				
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE EAST 1/2 OF THE SW 1/4 OF SECTION 9.				
Ecological:	NORTH ASPECT, WET SOIL, FULL SHADE. ASSOCIATED WITH ABIES CONCOLOR, CALOCEDRUS DECURRENS, GALIUM SPP., ADENOCAULON BICOLOR, SENECIO TRIANGULARIS, VIOLA MACLOSKEYI, AND MOSS SPECIES.				
General:	19 PLANTS OBSERVED IN NORTHERN POLYGON AND 1 PLANT OBSERVED IN SOUTHERN POLYGON IN 2017.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	67	Map Index: B0426	EO Index: 112288	Element Last Seen:	2017-07-25
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-07-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-20

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.83232 / -120.3693	Accuracy:	specific area
UTM:	Zone-10 N4301458 E728351	Elevation (ft):	5382
PLSS:	T11N, R14E, Sec. 2, NE (M)	Acres:	1.0

Location: ALONG A TRIBUTARY TO JONES FORK SILVER CREEK, APPROXIMATELY 0.7 AIR MILE NNW OF ICE HOUSE DAM, ELDORADO NATIONAL FOREST.

Detailed Location: MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE NE 1/4 OF THE NE 1/4 OF SECTION 2.

Ecological: ADJACENT TO STREAM, GROWING OUT OF LITTER/DUFF, NOT EXTREMELY DIVERSE. SOUTHWEST ASPECT, WET SOIL, FULL SHADE. ASSOCIATED WITH CORNUS SP., CALOCEDRUS DECURRENS, FRAGERIA VESCA, ASARUM LEMMONII, GALIUM SP., AND ASTER SP.

General: 1 PLANT OBSERVED IN 2017.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	68	Map Index: B0427	EO Index: 112289	Element Last Seen:	2017-08-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-08-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-20

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.83605 / -120.34678	Accuracy:	specific area
UTM:	Zone-10 N4301929 E730294	Elevation (ft):	5236
PLSS:	T11N, R15E, Sec. 6, NW (M)	Acres:	1.0

Location: NORTH OF ICE HOUSE RESERVOIR, ~0.27 AIR MILE N OF WRIGHTS LAKE RD, ~1.97 AIR MI ENE OF INTERSECTION WITH ICE HOUSE RD.

Detailed Location: MAPPED ACCORDING TO 2017 SPI COORDINATES, ON THE BORDER BETWEEN THE SW 1/4 OF THE SW 1/4 OF SECTION 31 AND THE NW 1/4 OF THE NW 1/4 OF SECTION 6.

Ecological: LARGE MEADOW COMPLEX ON THE EDGE OF A SMALL ISLAND OF CALOCEDRUS DECURRENS WITHIN THE MEADOW. GROWING IN THE WET TRANSITION ZONE FROM MOSSY, LOW, CAREX AMPLIFOLIA DOMINATED MEADOW EDGE TO DRIER CEDARS. ASSOCIATED W/ GLYCERIA STRIATA, ETC.

General: 16 BOTRYCHIUM PLANTS OBSERVED IN 2017; THIS IS A MIXTURE OF B. MONTANUM, B. MINGANENSE, B. ASCENDENS, AND B. CRENULATUM, TOTAL NUMBER OF INDIVIDUALS FOR EACH SPECIES WAS NOT TAKEN DUE TO DIFFICULTY OF ID OUT IN THE FIELD.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	69	Map Index:	A6346	EO Index:	112290	Element Last Seen:	2016-07-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2016-07-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-08-20	

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.98101 / -120.37356	Accuracy:	specific area
UTM:	Zone-10 N4317950 E727506	Elevation (ft):	5700
PLSS:	T13N, R14E, Sec. 11, SE (M)	Acres:	1.0

Location: ABOUT 0.6 AIR MILE SOUTH OF FRANCIS COW CAMP, AND 1.5 AIR MILES NE OF GERLE CREEK RESERVOIR DAM.

Detailed Location: MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 11.

Ecological: GROWING IN MOIST BARE SOIL OF A TEMPORAL STREAMBED, UNDER SHADE OF CALOCEDRUS DECURRENS. ASSOCIATED WITH SENECIO TRIANGULARIS, QUERCUS KELLOGGII, BOTRYCHUM MULTIFIDUM, B. CRENULATUM, VERATRUM CALIFORNICUM, LILIUM PERVUM, ETC.

General: 7 PLANTS FOUND WITHIN A 9 SQ METER AREA IN 2016.

Owner/Manager: USFS-ELDORADO NF

Botrychium crenulatum **Element Code:** PPOPH010L0
 scalloped moonwort

Listing Status:	Federal: None	CNDDB Element Ranks:	Global: G4
	State: None		State: S3
	Other: Rare Plant Rank - 2B.2, USFS_S-Sensitive		

Habitat: **General:** BOGS AND FENS, MEADOWS AND SEEPS, UPPER MONTANE CONIFEROUS FOREST, LOWER MONTANE CONIFEROUS FOREST, MARSHES AND SWAMPS.

Micro: MOIST MEADOWS, FRESHWATER MARSH, AND NEAR CREEKS. 1185-3110 M.

Occurrence No.	50	Map Index:	84446	EO Index:	85476	Element Last Seen:	2017-08-29
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2017-08-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-08-21	

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.97527 / -120.37382	Accuracy:	80 meters
UTM:	Zone-10 N4317313 E727501	Elevation (ft):	5620
PLSS:	T13N, R14E, Sec. 14, NE (M)	Acres:	0.0

Location: APPROXIMATELY 1 AIR MILE SOUTH OF FRANCIS COW CAMP, 2.5 MILES WSW OF LOON LAKE.

Detailed Location: MAPPED IN THE SW 1/4 OF THE NE 1/4 OF SECTION 14.

Ecological: WET AREA, ON THE MARGINS OF A MIXED CONIFER STAND. PLANTS GROWING ON SMALL RAISED HUMMOCKS LIKELY ABOVE WHERE WATER FLOWS. GROWING WITH BOTRYCHUM MINGANENSE, SENECIO TRIANGULARIS, PECTANTIA BREWERI, PRUNELLA VULGARIS, AND VIOLA GLABELLA.

General: 12 PLANTS OBSERVED IN 2010. NO PLANTS SEEN AT THE 2010 SPOT IN 2017 BUT 1 PLANT WAS SEEN JUST UPSTREAM THAT COULD BE B. CRENULATUM (SPREADING PINNAE); B. MINGANENSE IS THE PREDOMINATE SPECIES IN THE POPULATION.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	51	Map Index: 84448	EO Index: 85477	Element Last Seen:	2010-08-03
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2010-08-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2011-12-06

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.96878 / -120.36428	Accuracy:	80 meters
UTM:	Zone-10 N4316617 E728348	Elevation (ft):	5760
PLSS:	T13N, R14E, Sec. 13, SW (M)	Acres:	0.0

Location: APPROXIMATELY 0.7 AIR MILE WEST OF SCHLEIN RANGER STATION, 2.25 AIR MILES SOUTHWEST OF LOON LAKE.

Detailed Location: MAPPED IN THE SW 1/4 OF THE SW 1/4 OF SECTION 13.

Ecological: ADJACENT TO A SPRINGY AREA ON A SEASONAL WATERCOURSE.

General: 10-20 PLANTS OBSERVED IN 2010.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	65	Map Index: 89239	EO Index: 90236	Element Last Seen:	2015-08-19
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2015-08-19
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2016-02-26

Quad Summary: Loon Lake (3812083)

County Summary: El Dorado

Lat/Long:	38.96105 / -120.36712	Accuracy:	specific area
UTM:	Zone-10 N4315751 E728127	Elevation (ft):	5640
PLSS:	T13N, R14E, Sec. 23, NE (M)	Acres:	1.0

Location: 1 MILE WEST OF STONE CELLAR, APPROXIMATELY 2.7 AIR MILES SW OF LOON LAKE.

Detailed Location: MAPPED BASED ON DIGITAL DATA PROVIDED BY LO, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 23. IN A NARROW SIDE DRAINAGE OF SOUTH FORK RUBICON RIVER. ELDORADO NF POPULATION #BOCR-001.

Ecological: NARROW DRAINAGE ON GENTLE SW-FACING SLOPE IN MOIST SOIL. FOREST DOMINATED BY ABIES CONCOLOR. ASSOC W/MOSS, ACONITUM COLUMBIANUM, LILIUM PARVUM, PTERIDIUM AQUILINUM. OTHER RARE SPECIES NEARBY: B. MONTANUM, B. SIMPLEX, SCEPTRIDIUM MULTIFIDUM.

General: 3 PLANTS OBSERVED IN 2012. 2 PLANTS FOUND IN 2015. THERE COULD BE MORE POTENTIAL HABITAT DOWNSTREAM OF THIS OCCURRENCE.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	119	Map Index: A6381	EO Index: 108093	Element Last Seen:	2016-07-05
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-07-05
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-09-14
Quad Summary:	Caldor (3812054)				
County Summary:	El Dorado				
Lat/Long:	38.60733 / -120.39387		Accuracy:	specific area	
UTM:	Zone-10 N4276425 E726929		Elevation (ft):	4870	
PLSS:	T09N, R14E, Sec. 26, NE (M)		Acres:	2.0	
Location:	ALONG MCKINNEY CREEK 2.1 AIR MILES EAST OF CALDOR, JUST NORTH OF FOREST RD 09N91.				
Detailed Location:	MAPPED BY CNDDDB BASED ON DIGITAL DATA PROVIDED BY ELDORADO NF, IN THE NW 1/4 OF THE NE 1/4 OF SECTION 26.				
Ecological:	GROWING IN WET DUFF, FULL SHADE. WEST ASPECT.				
General:	20 GENETS OBSERVED IN 2016. ELDORADO NF POPULATION #5.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	121	Map Index: A6339	EO Index: 108095	Element Last Seen:	2016-07-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-07-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-09-12
Quad Summary:	Leek Spring Hill (3812063)				
County Summary:	El Dorado				
Lat/Long:	38.69694 / -120.33655		Accuracy:	specific area	
UTM:	Zone-10 N4286514 E731632		Elevation (ft):	5680	
PLSS:	T10N, R15E, Sec. 20, S (M)		Acres:	1.0	
Location:	ABOUT 1.2 AIR MILES ESE OF IRON MOUNTAIN AND 1.1 AIR MILES SW OF MORRISON.				
Detailed Location:	MAPPED BY CNDDDB BASED ON DIGITAL DATA PROVIDED BY ELDORADO NF, IN THE SOUTH HALF OF SECTION 20 NEAR BOUNDARY OF SECTION 29.				
Ecological:	GROWING IN WET DUFF, PARTIAL SHADE. NE ASPECT.				
General:	4 GENETS OBSERVED IN 2016. ELDORADO NF POPULATION #6.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	122	Map Index: A6340	EO Index: 108096	Element Last Seen:	2016-07-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-07-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-09-12
Quad Summary:	Leek Spring Hill (3812063)				
County Summary:	El Dorado				
Lat/Long:	38.73318 / -120.30141		Accuracy:	specific area	
UTM:	Zone-10 N4290625 E734570		Elevation (ft):	5850	
PLSS:	T10N, R15E, Sec. 10, NW (M)		Acres:	1.0	
Location:	JUST NORTH OF FOREST RD 10N32 ON NORTH SLOPE OF ALDER RIDGE, 2.3 AIR MILES SW OF CHINA FLAT CAMPGROUND.				
Detailed Location:	MAPPED BY CNDDDB BASED ON DIGITAL DATA PROVIDED BY ELDORADO NF, IN THE SE 1/4 OF THE NW 1/4 OF SECTION 10.				
Ecological:	GROWING IN WET DUFF, PARTIAL SHADE. NORTH ASPECT.				
General:	8 GENETS OBSERVED IN 2016. ELDORADO NF POPULATION #8.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	123	Map Index: A6344	EO Index: 108100	Element Last Seen:	2016-08-03
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-08-03
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-09-12

Quad Summary: Leek Spring Hill (3812063)
County Summary: El Dorado

Lat/Long:	38.74906 / -120.29384	Accuracy:	specific area
UTM:	Zone-10 N4292408 E735176	Elevation (ft):	4985
PLSS:	T11N, R15E, Sec. 34, SW (M)	Acres:	1.0

Location: JUST EAST OF BEANVILLE CREEK, ABOUT 1.4 AIR MILES WSW OF CHINA FLAT CAMPGROUND ON THE SILVER FORK AMERICAN RIVER.
Detailed Location: MAPPED BY CNDDDB BASED ON DIGITAL DATA PROVIDED BY ELDORADO NF, IN THE SW 1/4 OF THE SW 1/4 OF SECTION 34.
Ecological: GROWING IN WET DUFF, PARTIAL SHADE. NORTH ASPECT.
General: 1 GENET OBSERVED IN 2016. ELDORADO NF POPULATION #7.
Owner/Manager: USFS-ELDORADO NF

Occurrence No.	124	Map Index: A6345	EO Index: 108101	Element Last Seen:	2016-09-28
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2016-09-28
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-09-12

Quad Summary: Kyburz (3812073)
County Summary: El Dorado

Lat/Long:	38.84295 / -120.34484	Accuracy:	80 meters
UTM:	Zone-10 N4302699 E730440	Elevation (ft):	5060
PLSS:	T12N, R15E, Sec. 31, SW (M)	Acres:	5.0

Location: ABOUT 0.9 AIR MILE NORTH OF WRIGHTS LAKE RD AT ICE HOUSE RESERVOIR AND 1.5 AIR MILES ESE OF JONES PLACE.
Detailed Location: MAPPED BY CNDDDB FROM 2016 SPI COORDINATES, IN THE NE 1/4 OF THE SW 1/4 OF SECTION 31.
Ecological: FLAT CREEK BANK UNDER 50% CANOPY COVER ON A GENTLE WEST-FACING SLOPE, IN AN ALDER THICKET.
General: 2 PLANTS OBSERVED IN 2016.
Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	125	Map Index: A6382	EO Index: 108102	Element Last Seen:	2016-07-07
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-07-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-24

Quad Summary: Loon Lake (3812083)
County Summary: El Dorado

Lat/Long:	38.8896 / -120.30592	Accuracy:	specific area
UTM:	Zone-10 N4307976 E733666	Elevation (ft):	6150
PLSS:	T12N, R15E, Sec. 16, NW (M)	Acres:	1.0

Location: ABOUT 1 AIR MILE WNW OF SLICK ROCK AND 2 AIR MILES ESE OF WENCH FLAT, ELDORADO NATIONAL FOREST.
Detailed Location: MAPPED BY CNDDDB FROM DIGITAL DATA PROVIDED BY ELDORADO NF, IN THE SE 1/4 OF THE NW 1/4 OF SECTION 16.
Ecological: MOIST DUFF, PARTIAL SHADE. SSW ASPECT. ASSOCIATED WITH ABIES CONCOLOR, PSEUDOTSUGA MENZIESII, QUERCUS, CALOCEDRUS DECURRENS, ALNUS INCANA SSP. TENUIFOLIA, SENECIO TRIANGULARIS, PTERIDIUM AQUILINUM, AND ATHYRIUM FILIX-FEMINA.
General: 9 PLANTS OBSERVED IN 2016. ELDORADO NF POPULATION #2.
Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	126	Map Index:	A6346	EO Index:	108103	Element Last Seen:	2016-07-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2016-07-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-08-24	
Quad Summary:	Loon Lake (3812083)						
County Summary:	El Dorado						
Lat/Long:	38.98101 / -120.37356	Accuracy:	specific area				
UTM:	Zone-10 N4317950 E727506	Elevation (ft):	5700				
PLSS:	T13N, R14E, Sec. 11, SE (M)	Acres:	1.0				
Location:	ABOUT 0.6 AIR MILE SOUTH OF FRANCIS COW CAMP, AND 1.5 AIR MILES NE OF GERLE CREEK RESERVOIR DAM.						
Detailed Location:	MAPPED BY CNDDDB IN THE SW 1/4 OF THE SE 1/4 OF SECTION 11, BASED ON DIGITAL DATA PROVIDED BY ELDORADO NF.						
Ecological:	MIXED CONIFER FOREST IN DRY DUFF, FULL SHADE. ASSOCIATED WITH PINUS PONDEROSA, ABIES CONCOLOR, CALOCEDRUS DECURRENS, SENECIO TRIANGULARIS, PRUNELLA VULGARIS, VERATRUM CALIFORNICUM, LILIUM PARVUM, RANUNCULUS, PTERIDIUM AQUILINUM, ETC.						
General:	3 PLANTS OBSERVED IN 2016. ELDORADO NF POPULATION #11.						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	138	Map Index:	B0432	EO Index:	112295	Element Last Seen:	2017-07-13
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2017-07-13	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-08-21	
Quad Summary:	Leek Spring Hill (3812063)						
County Summary:	El Dorado						
Lat/Long:	38.70172 / -120.2536	Accuracy:	specific area				
UTM:	Zone-10 N4287258 E738831	Elevation (ft):	5785				
PLSS:	T10N, R16E, Sec. 19, SW (M)	Acres:	1.0				
Location:	ALONG FOREST SERVICE ROAD 10N34, HEADWATERS OF GIRARD CREEK, ALDER RIDGE.						
Detailed Location:	MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE NW 1/4 OF THE SW 1/4 OF SECTION 19.						
Ecological:	GROWING IN MOSS ON SMALL MOUND BETWEEN ROCKS, BENEATH VERY LARGE BOULDER. TIMBER TYPE IN AREA IS UPPER MONTANE MIXED CONIFER FOREST W/ ABIES MAGNIFICA, A. CONCOLOR, PINUS JEFFREYI, & P. LAMBERTIANA. ASSOCIATED W/ SENECIO TRIANGULARIS, ETC.						
General:	2 MATURE PLANTS OBSERVED IN 2017.						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	139	Map Index: B0433	EO Index: 112297	Element Last Seen:	2017-07-06
Occ. Rank:	Poor		Presence: Presumed Extant	Site Last Seen:	2017-07-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-30
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.7518 / -120.27677		Accuracy:	specific area	
UTM:	Zone-10 N4292756 E736650		Elevation (ft):	5160	
PLSS:	T11N, R15E, Sec. 35, SW (M)		Acres:	2.0	
Location:	SOUTH OF SILVER FORK AMERICAN RIVER, APPROXIMATELY 1.9 AIR MILES SE OF KYBURZ.				
Detailed Location:	MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE WEST 1/2 OF THE SW 1/4 OF SECTION 35.				
Ecological:	PLANTS ARE GROWING IN MOIST, BARE SOIL ON MOUNDS AND ON THE BANKS OF A VERDANT PERENNIAL STREAM RUNNING ALONGSIDE AN OLD, DECOMMISSIONED ROAD IN A MIXED CONIFER FOREST OF CALOCEDRUS DECURRENS, ABIES CONCOLOR, PSEUDOTSUGA MENZIESII, ETC.				
General:	6 PLANTS OBSERVED IN 2017.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	140	Map Index: B0434	EO Index: 112298	Element Last Seen:	2017-07-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-07-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-21
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.81017 / -120.30427		Accuracy:	specific area	
UTM:	Zone-10 N4299164 E734070		Elevation (ft):	6245	
PLSS:	T11N, R15E, Sec. 9, SW (M)		Acres:	1.0	
Location:	TRIBUTARY OF SOUTH FORK SILVER CREEK, ABOUT 2.5 AIR MILES WSW OF WILSON RANCH, NW OF ATHERTON FLAT.				
Detailed Location:	MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE EAST 1/2 OF THE SW 1/4 OF SECTION 9.				
Ecological:	IN SOFT, SATURATED SOIL BORDERING THE STREAM BANK AND GROWING OUT OF MOSS AND CEDAR DUFF. NORTH ASPECT. ASSOCIATES INCLUDE ABIES CONCOLOR, CALOCEDRUS DECURRENS, GALIUM, ADENOCAULON BICOLOR, SENECIO TRIANGULARIS, GOODYERA OBLONGIFOLIA, ETC.				
General:	5 PLANTS OBSERVED IN 2017.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	141	Map Index: B0436	EO Index: 112300	Element Last Seen: 2017-08-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen: 2017-08-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-08-21

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.8364 / -120.34771	Accuracy:	specific area
UTM:	Zone-10 N4301965 E730212	Elevation (ft):	5240
PLSS:	T12N, R15E, Sec. 31, SW (M)	Acres:	2.0

Location: ~0.27 AIR MILE NORTH OF WRIGHTS LAKE ROAD, ~2 AIR MILES ENE OF INTERSECTION OF WRIGHTS LAKE ROAD AND ICE HOUSE ROAD.

Detailed Location: MAPPED AS 3 POLYGONS ACCORDING TO USFS DIGITAL DATA, MOSTLY IN THE SW 1/4 OF THE SW 1/4 OF SECTION 31.

Ecological: GROWING ON SMALL SEEPS THAT FLOW DOWN TO THE MAIN CREEK AND WITHIN A MEADOW COMPLEX WITHIN A MIXED CONIFER FOREST. PLANTS GROWING IN A LARGE MEADOW COMPLEX ON THE EDGE OF A SMALL ISLAND OF CALOCEDRUS DECURRENS WITHIN THE MEADOW.

General: IN 2017, 2 BOCR SEEN IN WESTERN POLYGON, 3 BOCR SEEN IN MIDDLE POLYGON, AND 16 BOTRYCHIA INCLUDING BOCR SEEN IN EASTERN POLYGON; EASTERN POPULATION IS A MIXTURE OF BOTRYCHIA AND THE NUMBER FOR EACH SPECIES WAS NOT TAKEN.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	142	Map Index: B0438	EO Index: 112302	Element Last Seen: 2017-09-13
Occ. Rank:	Excellent		Presence: Presumed Extant	Site Last Seen: 2017-09-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated: 2018-08-21

Quad Summary: Robbs Peak (3812084)

County Summary: El Dorado

Lat/Long:	38.94217 / -120.43898	Accuracy:	specific area
UTM:	Zone-10 N4313479 E721960	Elevation (ft):	5968
PLSS:	T13N, R14E, Sec. 29, SW (M)	Acres:	1.0

Location: JUST NORTH OF WENTWORTH SPRINGS ROAD, SOUTH OF THE SOUTH FORK RUBICON RIVER, ~2.3 AIR MILES NW OF ROBBS PEAK.

Detailed Location: MAPPED ACCORDING TO 2017 O'BRIEN COORDINATES, IN THE NW 1/4 OF THE SW 1/4 OF SECTION 29.

Ecological: GROWING ALONG THE EDGE OF A LARGE MEADOW COMPLEX AND MIXED CONIFER FOREST. GROWING IN MOIST SOIL AND SMALL TRANSITION ZONE BEFORE SOIL DRIES OUT NEAR A SMALL STREAMLET AND SEVERAL SEEPS THAT ARE WITHIN THE MEADOW COMPLEX.

General: 330 BOTRYCHIUM PLANTS OBSERVED IN 2017; MAJORITY OF PLANTS WERE B. MINGANENSE WITH SOME B. ASCENDENS AND B. CRENULATUM. THE ENTIRE MEADOW COMPLEX WAS NOT SURVEYED SO THERE IS LIKELY MORE BOTRYCHIUM HABITAT PRESENT.

Owner/Manager: PVT-SIERRA PACIFIC

Botrychium minganense		Element Code: PPOPH010R0
Mingan moonwort		
Listing Status:	Federal: None	CNDDDB Element Ranks: Global: G4G5
	State: None	State: S3
	Other: Rare Plant Rank - 2B.2, USFS_S-Sensitive	
Habitat:	General: LOWER MONTANE CONIFEROUS FOREST, UPPER MONTANE CONIFEROUS FOREST, BOGS AND FENS, MEADOWS AND SEEPS.	
	Micro: CREEKBANKS IN MIXED CONIFER FOREST. 1190-3295 M.	



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Occurrence No.	40	Map Index:	91356	EO Index:	92469	Element Last Seen:	2016-07-14
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2016-07-14	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-08-08	
Quad Summary:	Loon Lake (3812083)						
County Summary:	El Dorado						
Lat/Long:	38.96062 / -120.36748			Accuracy:	specific area		
UTM:	Zone-10 N4315703 E728097			Elevation (ft):	5600		
PLSS:	T13N, R14E, Sec. 23, NE (M)			Acres:	2.0		
Location:	SIDE DRAINAGE OF THE SOUTH FORK RUBICON RIVER NEAR ICE HOUSE ROAD, APPROXIMATELY 1 AIR MILE WEST OF STONE CELLAR.						
Detailed Location:	2 POLYGONS MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 23 ACCORDING TO 2012 LO DIGITAL DATA. ELDORADO NF POPULATION #BOMI-001.						
Ecological:	GROWING ALONG AN EPHEMERAL STRETCH OF A NARROW DRAINAGE. FOREST IS DOMINATED BY ABIES CONCOLOR. GENTLE SLOPE, SW ASPECT, MOIST SOIL. GROWING MOSTLY IN SHADE WITH NO DUFF, OR LIGHT TO DENSE INCENSE CEDAR DUFF. ASSOC W/ MOSS, PECTIANTIA, ETC.						
General:	4-12 PLANTS OBSERVED IN 2012. 5 PLANTS SEEN IN 2015, THOUGH ENTIRE AREA WAS NOT SEARCHED. 7 PLANTS OBSERVED IN 2016. THE RARE B. MONTANUM IS FOUND GROWING NEARBY. THERE COULD BE MORE POTENTIAL HABITAT DOWNSTREAM OF THE OCCURRENCE.						
Owner/Manager:	USFS-ELDORADO NF						
Occurrence No.	70	Map Index:	99273	EO Index:	100804	Element Last Seen:	2016-07-06
Occ. Rank:	Unknown	Presence:	Presumed Extant	Site Last Seen:		2016-07-06	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2017-08-08	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.90877 / -120.39897			Accuracy:	specific area		
UTM:	Zone-10 N4309870 E725533			Elevation (ft):	5880		
PLSS:	T12N, R14E, Sec. 3, SW (M)			Acres:	2.0		
Location:	ABOUT 1.1 AIR MILES SOUTH OF SUMMIT OF ROBBS PEAK, AND ABOUT 0.5 MILE WEST OF ICE HOUSE RD.						
Detailed Location:	MAPPED FROM 2015 USFS DIGITAL DATA IN THE SOUTH 1/2 OF THE SW 1/4 OF SECTION 3. ELDORADO NATIONAL FOREST POPULATION #BOMI-002.						
Ecological:	SEEP IN MIXED CONIFER FOREST JUST ABOVE MAIN RIPARIAN CHANNEL, GROWING IN MOIST MOSS-COVERED SOIL. ASSOCIATES INCLUDE ALNUS INCANA, ATHYRIUM FILIX-FEMINA, MITELLA BREWERI, VIOLA ADUNCA, BOYKINIA MAJOR, CLINTONIA UNIFLORA, LILIUM, ETC.						
General:	5 PLANTS OBSERVED IN 2015. 3 PLANTS OBSERVED IN 2016.						
Owner/Manager:	USFS-ELDORADO NF						



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Occurrence No.	105	Map Index: A5789	EO Index: 107531	Element Last Seen:	2016-07-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-07-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-08-08

Quad Summary: Leek Spring Hill (3812063)

County Summary: El Dorado

Lat/Long:	38.73531 / -120.29459	Accuracy:	specific area
UTM:	Zone-10 N4290880 E735156	Elevation (ft):	5800
PLSS:	T10N, R15E, Sec. 10, NE (M)	Acres:	7.0

Location: HEAD OF BEANVILLE CREEK, APPROXIMATELY 0.7 AIR MILE NNW OF OSO SPRING, ELDORADO NATIONAL FOREST.

Detailed Location: MAPPED AS 4 POLYGONS ACCORDING TO USFS DIGITAL DATA.

Ecological: MOIST AND WET DUFF. PARTIAL AND FULL SHADE. NW AND NORTH ASPECT.

General: AT LEAST 32 GENETS OBSERVED IN 2016.

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	106	Map Index: A5790	EO Index: 107532	Element Last Seen:	2016-07-21
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-07-21
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-08-08

Quad Summary: Leek Spring Hill (3812063)

County Summary: El Dorado

Lat/Long:	38.7344 / -120.30186	Accuracy:	specific area
UTM:	Zone-10 N4290760 E734527	Elevation (ft):	5800
PLSS:	T10N, R15E, Sec. 10, NW (M)	Acres:	5.0

Location: HEAD OF BEANVILLE CREEK, APPROXIMATELY 1 AIR MILE NW OF OSO SPRING, ELDORADO NATIONAL FOREST.

Detailed Location: MAPPED AS 3 POLYGONS ACCORDING TO USFS DIGITAL DATA, IN THE EAST 1/2 OF THE NW 1/4 OF SECTION 10.

Ecological: MOIST AND WET DUFF. PARTIAL SHADE. NE AND NORTH ASPECT.

General: 25 GENETS OBSERVED IN 2016 (8 PLANTS IN NORTHERN POLYGON, 17 PLANTS IN TWO SOUTHERN POLYGONS).

Owner/Manager: USFS-ELDORADO NF

Occurrence No.	107	Map Index: A5791	EO Index: 107533	Element Last Seen:	2016-07-14
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-07-14
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-08-08

Quad Summary: Leek Spring Hill (3812063)

County Summary: El Dorado

Lat/Long:	38.71061 / -120.34711	Accuracy:	specific area
UTM:	Zone-10 N4288005 E730669	Elevation (ft):	5430
PLSS:	T10N, R15E, Sec. 19, NE (M)	Acres:	2.0

Location: LIGHT CANYON, APPROXIMATELY 0.7 AIR MILE NE OF IRON MOUNTAIN SUMMIT, ELDORADO NATIONAL FOREST.

Detailed Location: MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE NE 1/4 OF THE NE 1/4 OF SECTION 19.

Ecological: MOIST DUFF. PARTIAL SHADE. EAST ASPECT.

General: 20 GENETS OBSERVED IN 2016.

Owner/Manager: USFS-ELDORADO NF



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Occurrence No.	108	Map Index: A5792	EO Index: 107534	Element Last Seen:	2016-07-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-07-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-08-08
Quad Summary:	Leek Spring Hill (3812063)				
County Summary:	El Dorado				
Lat/Long:	38.69674 / -120.33005		Accuracy:	specific area	
UTM:	Zone-10 N4286509 E732198		Elevation (ft):	5650	
PLSS:	T10N, R15E, Sec. 20, SE (M)		Acres:	3.0	
Location:	APPROXIMATELY 0.9 TO 1 AIR MILE SSW OF MORRISON, ESE OF IRON MOUNTAIN, ELDORADO NATIONAL FOREST.				
Detailed Location:	NORTH OF THE EAST END OF FOREST SERVICE ROAD 10N44B. MAPPED AS 2 POLYGONS ACCORDING TO USFS DIGITAL DATA, IN THE SE 1/4 OF THE SE 1/4 OF SECTION 20 AND THE NE 1/4 OF THE NE 1/4 OF SECTION 29.				
Ecological:	MOIST DUFF. PARTIAL SHADE. NORTH ASPECT.				
General:	9 GENETS OBSERVED IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				

Occurrence No.	109	Map Index: A5793	EO Index: 107535	Element Last Seen:	2016-07-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2016-07-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2017-08-08
Quad Summary:	Leek Spring Hill (3812063)				
County Summary:	El Dorado				
Lat/Long:	38.69699 / -120.33656		Accuracy:	specific area	
UTM:	Zone-10 N4286520 E731631		Elevation (ft):	5675	
PLSS:	T10N, R15E, Sec. 20, S (M)		Acres:	2.0	
Location:	APPROXIMATELY 1 TO 1.1 AIR MILES SW OF MORRISON, ESE OF IRON MOUNTAIN, ELDORADO NATIONAL FOREST.				
Detailed Location:	NE SIDE OF FOREST SERVICE ROAD 10N44B. MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SOUTH 1/2 OF SECTION 20.				
Ecological:	WET DUFF. PARTIAL SHADE. NE ASPECT.				
General:	21 GENETS OBSERVED IN 2016.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	123	Map Index: B0446	EO Index: 112310	Element Last Seen:	2017-07-13
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-07-13
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-21
Quad Summary:	Leek Spring Hill (3812063)				
County Summary:	El Dorado				
Lat/Long:	38.70535 / -120.25146		Accuracy:	specific area	
UTM:	Zone-10 N4287666 E739005		Elevation (ft):	5713	
PLSS:	T10N, R16E, Sec. 19, NW (M)		Acres:	1.0	
Location:	GIRARD CREEK, EAST SIDE OF ALDER RIDGE, APPROXIMATELY 2.4 AIR MILES WNW OF SILVER FORK CAMPGROUND.				
Detailed Location:	GROWING IN A SMALL SEEPY AREA JUST SOUTH OF A SMALL SIDE CHANNEL FEEDING INTO THE MAIN CHANNEL OF GIRARD CREEK. MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SW 1/4 OF THE NW 1/4 OF SECTION 19.				
Ecological:	PLANTS ARE GROWING IN A WET SEEP ALONGSIDE GIRARD CREEK, SURROUNDED BY A MIXED CONIFER FOREST OF CALOCEDRUS DECURRENS, ABIES MAGNIFICA, A. CONCOLOR, PINUS JEFFREYI, AND P. LAMBERTIANA. ASSOC W/ SENECIO TRIANGULARIS, CIRCAEA ALPINA, ETC.				
General:	21 MATURE PLANTS OBSERVED IN 2017.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	124	Map Index: B0447	EO Index: 112311	Element Last Seen:	2017-07-06
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-07-06
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-21
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.75071 / -120.27634		Accuracy:	specific area	
UTM:	Zone-10 N4292637 E736692		Elevation (ft):	5200	
PLSS:	T11N, R15E, Sec. 35, SW (M)		Acres:	2.0	
Location:	ALONG TRIBUTARY TO SILVER FORK AMERICAN RIVER, APPROXIMATELY 0.4 AIR MILE WSW OF CHINA FLAT, ELDORADO NATIONAL FOREST.				
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SOUTH 1/2 OF THE SW 1/4 OF SECTION 35.				
Ecological:	MOSSY, VEGETATED BANKS OF A VERDANT PERENNIAL STREAM IN A MIXED CONIFER FOREST OF CALOCEDRUS DECURRENS, ABIES CONCOLOR, PSEUDOTSUGA MENZIESII AND PINUS PONDEROSA. ASSOC W/ ALNUS INCANA, CORNUS NUTTALLII, SALIX SP., LILIUM PARVUM, ETC.				
General:	11 PLANTS OBSERVED IN NORTHERN POLYGON AND 25 PLANTS OBSERVED IN SOUTHERN POLYGON IN 2017.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	125	Map Index: B0449	EO Index: 112313	Element Last Seen:	2017-05-20
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-05-20
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-21
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.80171 / -120.31632		Accuracy:	specific area	
UTM:	Zone-10 N4298194 E733050		Elevation (ft):	5935	
PLSS:	T11N, R15E, Sec. 17, NE (M)		Acres:	1.0	
Location:	ALONG TRIBUTARY TO SOUTH FORK SILVER CREEK, APPROXIMATELY 2.7 AIR MILES SOUTHEAST OF ICE HOUSE DAM, ELDORADO NF.				
Detailed Location:	MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SE 1/4 OF THE NE 1/4 OF SECTION 17.				
Ecological:	WET SOIL, FULL SHADE. ASSOCIATED WITH CORYLUS CORNUTA, CALOCEDRUS DECURRENS, RUBUS PARVIFLORUS, AND OTHER MOSS SPECIES.				
General:	1 PLANT OBSERVED IN 2017.				
Owner/Manager:	USFS-ELDORADO NF				
Occurrence No.	126	Map Index: B0451	EO Index: 112315	Element Last Seen:	2017-07-24
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-07-24
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-21
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.81071 / -120.30452		Accuracy:	specific area	
UTM:	Zone-10 N4299223 E734046		Elevation (ft):	6200	
PLSS:	T11N, R15E, Sec. 9, SW (M)		Acres:	2.0	
Location:	TRIBUTARY TO ICE HOUSE RESERVOIR, APPROXIMATELY 1.8 AIR MILES SSW OF WINDMILLER CABIN, ELDORADO NATIONAL FOREST.				
Detailed Location:	2 POLYGONS MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE NE 1/4 OF THE SW 1/4 OF SECTION 9.				
Ecological:	NORTH ASPECT, WET SOIL, FULL SHADE. ASSOCIATED WITH ABIES CONCOLOR, CALOCEDRUS DECURRENS, GALIUM SPP., ADENOCAULON BICOLOR, SENECIO TRIANGULARIS, AND OTHER MOSS SPECIES.				
General:	3 PLANTS OBSERVED IN NORTHERN POLYGON AND 5 PLANTS OBSERVED IN SOUTHERN POLYGON IN 2017.				
Owner/Manager:	USFS-ELDORADO NF				



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Occurrence No.	127	Map Index: B0457	EO Index: 112321	Element Last Seen:	2017-07-07
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-07-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-21

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.84054 / -120.34458	Accuracy:	specific area
UTM:	Zone-10 N4302432 E730470	Elevation (ft):	5200
PLSS:	T12N, R15E, Sec. 31, SW (M)	Acres:	1.0

Location: NORTH OF ICE HOUSE RESERVOIR, APPROXIMATELY 1.5 AIR MILES ESE OF JONES PLACE, ELDORADO NATIONAL FOREST.

Detailed Location: MAPPED ACCORDING TO SPI COORDINATES, NEAR THE CENTER OF THE SW 1/4 OF SECTION 31.

Ecological: GROWING AT THE TOP OF A SEEPY CREEK UNDER ALNUS INCANA SSP. TENUIFOLIA AND ALONG MOSSY EDGES OF CREEK BANKS. ASSOCIATED WITH ASARUM LEMMONII, PECTANTIA BREWERI, ATHYRIUM FILIX-FEMINA VAR. CYCLOSORUM, LISTERA CONVALLARIOIDES, ETC.

General: 67 BOTRYCHIUM PLANTS OBSERVED IN 2017; THE OCCURRENCE IS PREDOMINATELY MADE UP OF B. MINGANENSE, BUT THERE WAS SOME B. ASCENDENS. EXACT NUMBER OF EACH SPECIES WAS NOT COUNTED IN THE FIELD DUE TO DIFFICULTY OF ID IN THE FIELD.

Owner/Manager: PVT-SIERRA PACIFIC

Occurrence No.	128	Map Index: B0458	EO Index: 112322	Element Last Seen:	2017-08-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-08-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-21

Quad Summary: Kyburz (3812073)

County Summary: El Dorado

Lat/Long:	38.83592 / -120.34732	Accuracy:	specific area
UTM:	Zone-10 N4301912 E730247	Elevation (ft):	5250
PLSS:	T11N, R15E, Sec. 6, NW (M)	Acres:	3.0

Location: NORTH OF ICE HOUSE RESERVOIR, APPROXIMATELY 1.5 AIR MILES SE OF JONES PLACE, ELDORADO NATIONAL FOREST.

Detailed Location: 2 POLYGONS MAPPED ACCORDING TO SPI COORDINATES, ON THE BORDER BETWEEN THE SW 1/4 SW 1/4 OF SECTION 31 AND THE NW 1/4 NW 1/4 OF SECTION 6.

Ecological: LARGE GRASSY MEADOW COMPLEX ON THE EDGE OF A SMALL ISLAND OF CALOCEDRUS DECURRENS WITHIN THE MEADOW. WET TRANSITION ZONE FROM MOSSY, LOW, CAREX AMPLIFOLIA DOMINATED MEADOW EDGE TO DRIER CEDARS. ASSOCIATED WITH GLYCERIA STRIATA, ETC.

General: 1 BOMI INDIVIDUAL OBSERVED IN WESTERN POLYGON, AND 16 BOTRYCHIA OBSERVED IN EASTERN POLYGON IN 2017; EASTERN POLYGON IS A MIXTURE OF BOTRYCHIA (B. MINGANENSE, B. ASCENDENS, B. MONTANUM), TOTAL NUMBER FOR EACH SPECIES NOT TAKEN.

Owner/Manager: PVT-SIERRA PACIFIC



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Occurrence No.	129	Map Index: B0459	EO Index: 112323	Element Last Seen:	2017-07-25
Occ. Rank:	Fair		Presence: Presumed Extant	Site Last Seen:	2017-07-25
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-21
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.83702 / -120.37355		Accuracy:	specific area	
UTM:	Zone-10 N4301969 E727967		Elevation (ft):	5200	
PLSS:	T12N, R14E, Sec. 35, SE (M)		Acres:	1.0	
Location:	TRIBUTARY TO JONES FORK SILVER CREEK, APPROXIMATELY 0.9 AIR MILE SSW OF JONES PLACE.				
Detailed Location:	MAPPED ACCORDING TO SPI COORDINATES, IN THE SW 1/4 OF THE SE 1/4 OF SECTION 35.				
Ecological:	ALONG MOSSY CREEK BANK OF A CLASS II STREAM UNDER ATHYRIUM FILIX-FEMINA VAR. CYCLOSORUM WITH LISTERA CONVALLARIOIDES, VIOLA GLABELLA, ASARUM LEMMONII, CIRCAEA ALPINA, AND PECTANTIA WITHIN A MIXED CONIFER FOREST. CANOPY 30-100%.				
General:	3 PLANTS OBSERVED IN 2017.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	130	Map Index: B0460	EO Index: 112324	Element Last Seen:	2017-07-10
Occ. Rank:	Unknown		Presence: Presumed Extant	Site Last Seen:	2017-07-10
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-08-21
Quad Summary:	Riverton (3812074)				
County Summary:	El Dorado				
Lat/Long:	38.8358 / -120.39644		Accuracy:	specific area	
UTM:	Zone-10 N4301777 E725983		Elevation (ft):	5228	
PLSS:	T12N, R14E, Sec. 34, SW (M)		Acres:	1.0	
Location:	HEADWATERS OF TRIBUTARY TO JONES FORK SILVER CREEK, ~0.75 AIR MILE SOUTHEAST OF SUMMIT OF BIG HILL, ELDORADO NF.				
Detailed Location:	MAPPED ACCORDING TO USFS DIGITAL DATA, IN THE SE 1/4 OF THE SW 1/4 OF SECTION 34.				
Ecological:	ALONG SEMI-DRY PORTION OF AN INTERMITTENT OR POSSIBLY EPHEMERAL STREAM WITHIN A MIXED CONIFER FOREST OF CALOEDRUS DECURRENS, ABIES CONCOLOR, AND PINUS LAMBERTIANA. ASSOC W/ CORNUS NUTTALLII, ADENOCAULON BICOLOR, SENECEO TRIANGULARIS, ETC.				
General:	1 PLANT OBSERVED IN 2017.				
Owner/Manager:	USFS-ELDORADO NF				



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California Natural Diversity Database



Occurrence No.	131	Map Index:	84446	EO Index:	112326	Element Last Seen:	2017-08-29
Occ. Rank:	Good	Presence:	Presumed Extant	Site Last Seen:		2017-08-29	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-08-22	
Quad Summary:	Loon Lake (3812083)						
County Summary:	El Dorado						
Lat/Long:	38.97527 / -120.37382		Accuracy:	80 meters			
UTM:	Zone-10 N4317313 E727501		Elevation (ft):	5620			
PLSS:	T13N, R14E, Sec. 14, NE (M)		Acres:	0.0			
Location:	APPROXIMATELY 1 AIR MILE SOUTH OF FRANCIS COW CAMP, 2.5 MILES WSW OF LOON LAKE.						
Detailed Location:	MAPPED ACCORDING TO 2017 SPI COORDINATES, IN THE SW 1/4 OF THE NE 1/4 OF SECTION 14.						
Ecological:	SEASONAL DRAINAGE WITHIN A MIXED CONIFER FOREST. GROWING IN THE MIDDLE OF THE CREEK UNDER DENSE PTERIDIUM AQUILINUM VAR. PUBESCENS. GROWING WITH BOTRYCHIUM CRENULATUM, SENECIO TRIANGULARIS, PECTANTIA BREWERI, PRUNELLA VULGARIS, ETC.						
General:	14 INDIVIDUALS OBSERVED IN 2017. ONE ADDITIONAL INDIVIDUAL SEEN IN 2017 COULD BE BOTRYCHIUM CRENULATUM (SPREADING PINNAE), BUT BOTRYCHIUM MINGANENSE IS THE PREDOMINANT SPECIES IN THIS POPULATION.						
Owner/Manager:	PVT-SIERRA PACIFIC						

Occurrence No.	132	Map Index:	B0438	EO Index:	112327	Element Last Seen:	2017-09-13
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2017-09-13	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-08-22	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.94217 / -120.43898		Accuracy:	specific area			
UTM:	Zone-10 N4313479 E721960		Elevation (ft):	5970			
PLSS:	T13N, R14E, Sec. 29, SW (M)		Acres:	1.0			
Location:	JUST NORTH OF WENTWORTH SPRINGS ROAD, SOUTH OF THE SOUTH FORK RUBICON RIVER, ~2.3 AIR MILES NW OF ROBBS PEAK.						
Detailed Location:	MAPPED ACCORDING TO O'BRIEN COORDINATES, IN THE NW 1/4 OF THE SW 1/4 OF SECTION 29.						
Ecological:	GROWING ALONG THE EDGE OF A LARGE MEADOW COMPLEX AND MIXED CONIFER FOREST. GROWING IN MOIST SOIL AND SMALL TRANSITION ZONE BEFORE SOIL DRIES OUT NEAR A SMALL STREAMLET AND SEVERAL SEEPS THAT ARE WITHIN THE MEADOW COMPLEX.						
General:	330 BOTRYCHIUM PLANTS OBSERVED IN 2017; MAJORITY OF PLANTS WERE B. MINGANENSE WITH SOME B. ASCENDENS AND B. CRENULATUM. THE ENTIRE MEADOW COMPLEX WAS NOT SURVEYED SO THERE IS LIKELY MORE BOTRYCHIUM HABITAT PRESENT.						
Owner/Manager:	PVT-SIERRA PACIFIC						

Botrychium ascendens			Element Code: PPOPH010S0				
upswept moonwort							
Listing Status:	Federal:	None	CNDDB Element Ranks:	Global:	G3G4		
	State:	None		State:	S2		
	Other:	Rare Plant Rank - 2B.3, USFS_S-Sensitive					
Habitat:	General:	LOWER MONTANE CONIFEROUS FOREST, MEADOWS AND SEEPS.					
	Micro:	GRASSY FIELDS, CONIFEROUS WOODS NEAR SPRINGS AND CREEKS. 1115-3265 M.					



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Occurrence No.	55	Map Index: B0427	EO Index: 113198	Element Last Seen:	2017-08-11
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-08-11
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-11-05
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.83605 / -120.34678		Accuracy:	specific area	
UTM:	Zone-10 N4301929 E730294		Elevation (ft):	5235	
PLSS:	T11N, R15E, Sec. 6, NW (M)		Acres:	1.0	
Location:	NORTH OF ICE HOUSE RESERVOIR, ~0.25 AIR MILE N OF WRIGHTS LAKE RD, AND 2 AIR MI ENE OF INTERSECTION WITH ICE HOUSE RD.				
Detailed Location:	MAPPED BY CNDDDB FROM 2017 HENWOOD COORDINATES ON SECTION LINE BETWEEN THE SW 1/4 SECTION 31 AND THE NW 1/4 SECTION 6.				
Ecological:	LARGE MEADOW COMPLEX ON EDGE OF SMALL ISLAND OF CALOCEDRUS DECURRENS WITHIN MEADOW. IN WET TRANSITION ZONE FROM MOSSY CAREX AMPLIFOLIA-DOMINATED MEADOW EDGE TO DRIER CEDARS. WITH BOTRYCHIUM MINGANENSE, B. CRENULATUM, AND B. MONTANUM.				
General:	16 BOTRYCHIUM PLANTS OBSERVED IN MIXED POPULATION IN 2017.				
Owner/Manager:	PVT-SIERRA PACIFIC				
Occurrence No.	56	Map Index: B0457	EO Index: 113199	Element Last Seen:	2017-07-07
Occ. Rank:	Good		Presence: Presumed Extant	Site Last Seen:	2017-07-07
Occ. Type:	Natural/Native occurrence		Trend: Unknown	Record Last Updated:	2018-11-05
Quad Summary:	Kyburz (3812073)				
County Summary:	El Dorado				
Lat/Long:	38.84054 / -120.34458		Accuracy:	specific area	
UTM:	Zone-10 N4302432 E730470		Elevation (ft):	5200	
PLSS:	T12N, R15E, Sec. 31, SW (M)		Acres:	1.0	
Location:	NORTH OF ICE HOUSE RESERVOIR, ~2.15 AIR MI ENE OF INTERSECTION OF WRIGHTS LAKE RD AND ICE HOUSE RD.				
Detailed Location:	MAPPED BY CNDDDB FROM 2017 TIESEN COORDINATES IN THE CENTER OF THE SW 1/4 SECTION 31.				
Ecological:	GROWING AT THE TOP OF A SEEPY CREEK UNDER ALNUS INCANA SSP, TENUIFOLIA AND ALONG MOSSY EDGES OF CREEK BANKS. ASSOCIATES INCLUDE ASARUM LEMMONNII, PECTANTIA BREWERI, ATHYRIUM FILIX-FEMINA, LISTERA CONVALLARIOIDES, AND BOTRYCHIUM MINGANENSE.				
General:	67 BOTRYCHIUM PLANTS OBSERVED IN MIXED POPULATION IN 2017. POPULATION IS PREDOMINATELY B. MINGANENSE WITH SOME B. ASCENDENS.				
Owner/Manager:	PVT-SIERRA PACIFIC				



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California Department of Fish and Wildlife
California Natural Diversity Database



Occurrence No.	57	Map Index:	B0438	EO Index:	113201	Element Last Seen:	2017-09-13
Occ. Rank:	Excellent	Presence:	Presumed Extant	Site Last Seen:		2017-09-13	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-11-02	
Quad Summary:	Robbs Peak (3812084)						
County Summary:	El Dorado						
Lat/Long:	38.94217 / -120.43898			Accuracy:	specific area		
UTM:	Zone-10 N4313479 E721960			Elevation (ft):	5970		
PLSS:	T13N, R14E, Sec. 29, SW (M)			Acres:	1.0		
Location:	JUST NORTH OF WENTWORTH SPRINGS ROAD, SOUTH OF THE SOUTH FORK RUBICON RIVER, ~2.3 AIR MILES NW OF ROBBS PEAK.						
Detailed Location:	MAPPED BY CNDDDB BASED ON 2017 O'BRIEN COORDINATES, IN THE NW 1/4 OF THE SW 1/4 OF SECTION 29.						
Ecological:	GROWING ALONG THE EDGE OF A LARGE MEADOW COMPLEX AND MIXED CONIFER FOREST. GROWING IN MOIST SOIL AND SMALL TRANSITION ZONE BEFORE SOIL DRIES OUT NEAR A SMALL STREAMLET AND SEVERAL SEEPS THAT ARE WITHIN THE MEADOW COMPLEX.						
General:	330 BOTRYCHIUM PLANTS OBSERVED IN 2017; MAJORITY OF PLANTS WERE B. MINGANENSE WITH SOME B. ASCENDENS AND B. CRENLATUM. THE ENTIRE MEADOW COMPLEX WAS NOT SURVEYED SO THERE IS LIKELY MORE BOTRYCHIUM HABITAT PRESENT.						
Owner/Manager:	PVT-SIERRA PACIFIC						

<i>Ophioglossum pusillum</i>			Element Code: PPOPH020F0				
northern adder's-tongue							
Listing Status:	Federal:	None	CNDDDB Element Ranks:	Global:	G5		
	State:	None		State:	S1		
	Other:	Rare Plant Rank - 2B.2, USFS_S-Sensitive					
Habitat:	General:	MARSHES AND SWAMPS, MEADOWS AND SEEPS.					
	Micro:	MARSH EDGES, LOW PASTURES, GRASSY ROADSIDE DITCHES. ALSO DESCRIBED AS IN "OPEN SWAMP." 1085-1900 M.					

Occurrence No.	3	Map Index:	46237	EO Index:	46237	Element Last Seen:	2017-08-28
Occ. Rank:	Fair	Presence:	Presumed Extant	Site Last Seen:		2017-08-28	
Occ. Type:	Natural/Native occurrence	Trend:	Unknown	Record Last Updated:		2018-04-05	
Quad Summary:	Loon Lake (3812083)						
County Summary:	El Dorado						
Lat/Long:	38.96643 / -120.33901			Accuracy:	specific area		
UTM:	Zone-10 N4316420 E730546			Elevation (ft):	6235		
PLSS:	T13N, R15E, Sec. 18, SW (M)			Acres:	1.0		
Location:	NORTH SIDE OF LOON LAKE ROAD/ICE HOUSE ROAD, CHIPMUNK BUTTE, 0.75 MILE EAST OF SCHLEIN RANGER STATION.						
Detailed Location:	MILEPOST 27.02. MAPPED ACCORDING TO USFS DIGITAL DATA AND 2012 KEELAN COORDINATES, IN THE SE 1/4 OF THE SW 1/4 OF SECTION 18.						
Ecological:	GROWING NEAR BASE OF A SEEPY VERTICAL GRANITIC CLIFF FACE THAT WAS CREATED WHEN THE ROAD WAS BUILT. GROWING IN DENSE MOSS AT THE BASE UNDER A SMALL WILLOW TREE AND WHERE THERE IS A BREAK IN THE MOSSY CLIFF WHERE WATER DRIPS DOWN.						
General:	UNKNOWN NUMBER OBSERVED HERE IN 1983, 2003, 2004, AND 2016. ABOUT 5 PLANTS OBSERVED IN WESTERN PORTION OF SITE IN 2012. 6 PLANTS IN EASTERN PORTION OF SITE IN 2017. 1983 SHEVIK COLLECTION ORIGINALLY DETERMINED AS O. VULGATUM.						
Owner/Manager:	USFS-ELDORADO NF						

Plant List

Inventory of Rare and Endangered Plants

37 matches found. [Click on scientific name for details](#)

Search Criteria

Found in Quads 3812086, 3812076, 3812066, 3812056, 3812077, 3812067, 3812057, 3812055, 3812065, 3812075, 3812085, 3812084, 3812074, 3812064, 3812054, 3812083 3812073 and 3812063;

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Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Allium sanbornii var. congdonii	Congdon's onion	Alliaceae	perennial bulbiferous herb	Apr-Jul	4.3	S3	G4T3
Arctostaphylos mewukka ssp. truei	True's manzanita	Ericaceae	perennial evergreen shrub	Feb-Jul	4.2	S3	G4?T3
Arctostaphylos nissenana	Nissenan manzanita	Ericaceae	perennial evergreen shrub	Feb-Mar(Jun)	1B.2	S1	G1
Bolandra californica	Sierra bolandra	Saxifragaceae	perennial herb	Jun-Jul	4.3	S4	G4
Botrychium ascendens	upswept moonwort	Ophioglossaceae	perennial rhizomatous herb	(Jun)Jul-Aug	2B.3	S2	G3G4
Botrychium crenulatum	scalloped moonwort	Ophioglossaceae	perennial rhizomatous herb	Jun-Sep	2B.2	S3	G4
Botrychium minganense	Mingan moonwort	Ophioglossaceae	perennial rhizomatous herb	Jul-Sep	2B.2	S3	G4G5
Botrychium montanum	western goblin	Ophioglossaceae	perennial rhizomatous herb	Jul-Sep	2B.1	S2	G3
Botrychium paradoxum	paradox moonwort	Ophioglossaceae	perennial rhizomatous herb	Aug	2B.1	S1	G3G4
Calochortus clavatus var. avius	Pleasant Valley mariposa lily	Liliaceae	perennial bulbiferous herb	May-Jul	1B.2	S2	G4T2
Calystegia vanzuukiae	Van Zuuk's morning-glory	Convolvulaceae	perennial rhizomatous herb	May-Aug	1B.3	S2	G2Q
Carex cyrtostachya	Sierra arching sedge	Cyperaceae	perennial herb	May-Aug	1B.2	S2	G2
Carex davyi	Davy's sedge	Cyperaceae	perennial herb	May-Aug	1B.3	S3	G3
Carex limosa	mud sedge	Cyperaceae	perennial rhizomatous herb	Jun-Aug	2B.2	S3	G5
Ceanothus fresnensis	Fresno ceanothus	Rhamnaceae	perennial evergreen shrub	May-Jul	4.3	S4	G4
Chlorogalum grandiflorum	Red Hills soaproot	Agavaceae	perennial bulbiferous herb	May-Jun	1B.2	S3	G3
Clarkia biloba ssp. brandegeae	Brandegee's clarkia	Onagraceae	annual herb	May-Jul	4.2	S4	G4G5T4
Clarkia virgata	Sierra clarkia	Onagraceae	annual herb	May-Aug	4.3	S3	G3
	streambank spring beauty	Montiaceae	annual herb	Feb-May	4.2	S3	G5T3

Claytonia parviflora ssp. grandiflora							
Delphinium hansenii ssp. ewanianum	Ewan's larkspur	Ranunculaceae	perennial herb	Mar-May	4.2	S3	G4T3
Horkelia parryi	Parry's horkelia	Rosaceae	perennial herb	Apr-Sep	1B.2	S2	G2
Lewisia kelloggii ssp. hutchisonii	Hutchison's lewisia	Montiaceae	perennial herb	(Apr)May-Aug	3.2	S3	G3G4T3Q
Lewisia kelloggii ssp. kelloggii	Kellogg's lewisia	Montiaceae	perennial herb	(Apr)May-Aug	3.2	S2S3	G3G4T2T3Q
Lewisia serrata	saw-toothed lewisia	Montiaceae	perennial herb	May-Jun	1B.1	S2	G2
Lilium humboldtii ssp. humboldtii	Humboldt lily	Liliaceae	perennial bulbiferous herb	May-Jul(Aug)	4.2	S3	G4T3
Meesia triquetra	three-ranked hump moss	Meesiaceae	moss	Jul	4.2	S4	G5
Myrica hartwegii	Sierra sweet bay	Myricaceae	perennial deciduous shrub	May-Jun	4.3	S4	G4
Navarretia prolifera ssp. lutea	yellow bur navarretia	Polemoniaceae	annual herb	May-Jul	4.3	S3	G4T3
Ophioglossum pusillum	northern adder's-tongue	Ophioglossaceae	perennial rhizomatous herb	Jul	2B.2	S1	G5
Packera layneae	Layne's ragwort	Asteraceae	perennial herb	Apr-Aug	1B.2	S2	G2
Phacelia stebbinsii	Stebbins' phacelia	Hydrophyllaceae	annual herb	May-Jul	1B.2	S3	G3
Piperia colemanii	Coleman's rein orchid	Orchidaceae	perennial herb	Jun-Aug	4.3	S4	G4
Poa sierrae	Sierra blue grass	Poaceae	perennial rhizomatous herb	Apr-Jul	1B.3	S3	G3
Pseudostellaria sierrae	Sierra starwort	Caryophyllaceae	perennial rhizomatous herb	May-Aug	4.2	S3	G3G4
Rhynchospora capitellata	brownish beaked-rush	Cyperaceae	perennial herb	Jul-Aug	2B.2	S1	G5
Viburnum ellipticum	oval-leaved viburnum	Adoxaceae	perennial deciduous shrub	May-Jun	2B.3	S3?	G4G5
Viola tomentosa	felt-leaved violet	Violaceae	perennial herb	(Apr)May-Oct	4.2	S3	G3

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Questions and Comments

rareplants@cnps.org

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IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

El Dorado County, California



Local office

Sacramento Fish And Wildlife Office

☎ (916) 414-6600

📅 (916) 414-6713

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Amphibians

NAME

STATUS

California Red-legged Frog *Rana draytonii* Threatened
 There is **final** critical habitat for this species. Your location is outside the critical habitat.
<https://ecos.fws.gov/ecp/species/2891>

Sierra Nevada Yellow-legged Frog *Rana sierrae* Endangered
 There is **final** critical habitat for this species. Your location is outside the critical habitat.
<https://ecos.fws.gov/ecp/species/9529>

Fishes

NAME	STATUS
Delta Smelt <i>Hypomesus transpacificus</i> There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/321	Threatened

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>

- Nationwide conservation measures for birds

<http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

Bald Eagle *Haliaeetus leucocephalus*

Breeds Jan 1 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1626>

California Spotted Owl *Strix occidentalis occidentalis*

Breeds Mar 10 to Jun 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/7266>

Cassin's Finch *Carpodacus cassinii*

Breeds May 15 to Jul 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9462>

Golden Eagle *Aquila chrysaetos*

Breeds Dec 1 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1680>

Olive-sided Flycatcher *Contopus cooperi*

Breeds May 20 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/3914>

Rufous Hummingbird *selasphorus rufus*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/8002>

Williamson's Sapsucker *Sphyrapicus thyroideus*

Breeds May 1 to Jul 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/8832>

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

- To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
- The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

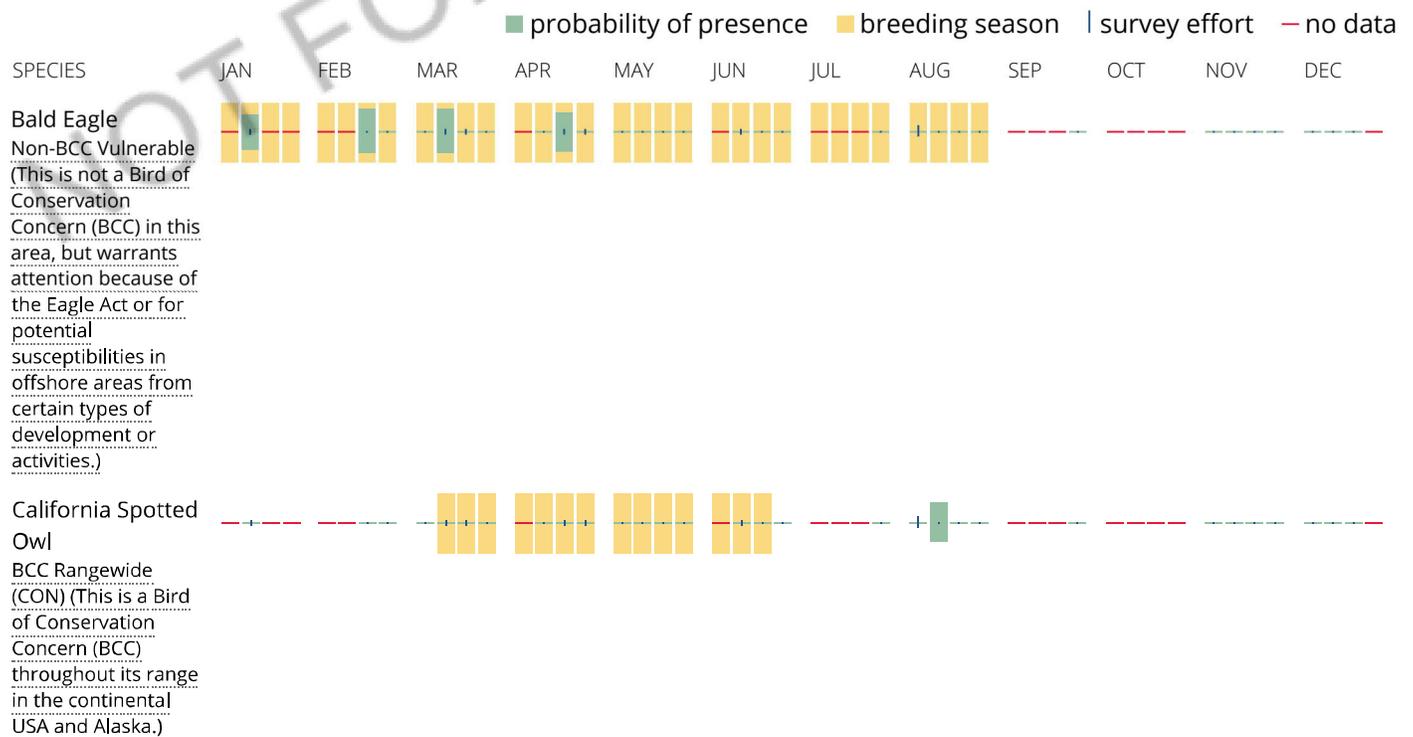
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

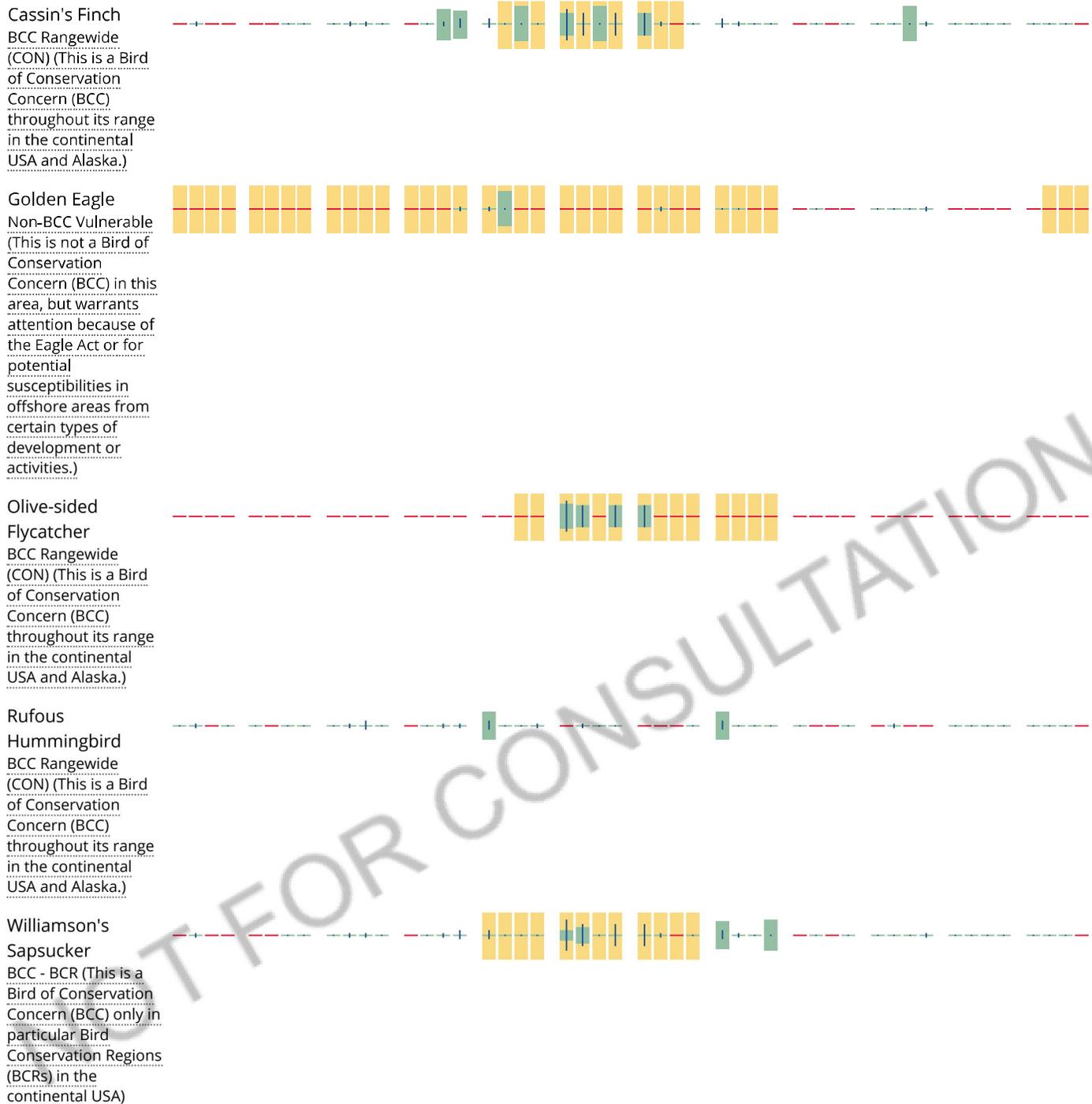
No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [E-bird Explore Data Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER FORESTED/SHRUB WETLAND

[PSSC](#)

[PSSCh](#)

LAKE

[L1UBHh](#)

RIVERINE

[R3UBH](#)

[R2UBHx](#)

[R4SBC](#)

[R5UBFx](#)

[R5UBF](#)

A full description for each wetland code can be found at the [National Wetlands Inventory website](#)

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

APPENDIX C

Cultural Records Memo



Letter No.: EEO2018-3469

October 10, 2018

VIA CERTIFIED MAIL

Gene Whitehouse, Chairman
United Auburn Indian Community of the Auburn Rancheria
10720 Indian Hill Road
Auburn, CA 95603

Subject: AB 52 Notification of Proposed Cal Fire Grant Vegetation Management Project

Dear Gene Whitehouse:

This is a formal notification that El Dorado Irrigation District (District) has decided to undertake the Cal Fire Grant Vegetation Management Project (Project). Catastrophic wild fire is a significant threat to the District's water supply infrastructure and the surrounding communities. This project will include fuel reduction efforts to approximately 570 acres of District owned property spanning four District facilities located in El Dorado County, California:

1. Weber Reservoir- 370 acres
2. Sly Park Recreation Area (SPRA)- 118 acres
3. Camp 5 Maintenance Yard (Camp 5)- 50 Acres
4. Flume 46 on the El Dorado Canal- 24 acres

Each facility will require a combination of fuel reduction methods depending on the location, facility access, slope, and reservoir/riparian zone proximity. Strategies include; hand-cutting and piling, hand-thinning and chipping, lop and scatter, and mechanical mastication.

Best management practices will be implemented during project activities to protect aquatic, terrestrial, and botanical special-status species, waterways and riparian areas, cultural and archaeological resources, and aesthetic and visual resources. A Project location map is enclosed with this letter.

Please respond to my contact information provided below within 30 days if you are interested in beginning consultation regarding this Project activity.

Lead Agency Contact Information:

Doug Venable
Environmental Review Analyst
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667



Please contact me at 530-642-4187 or dvenable@eid.org if you have any questions.

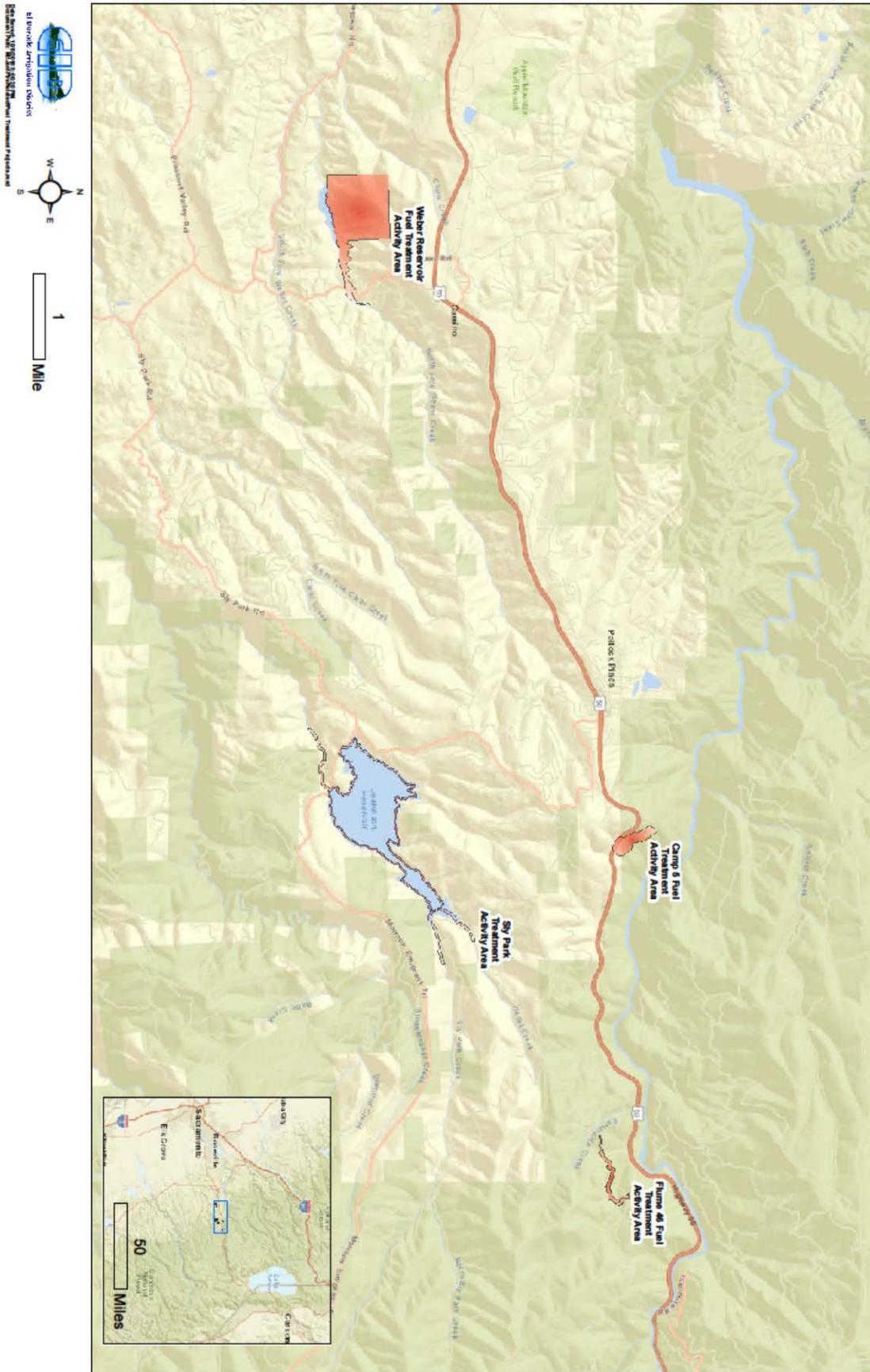
Sincerely,

A handwritten signature in blue ink, appearing to read 'Doug Venable', with a long, sweeping horizontal line extending to the right.

Doug Venable
Environmental Review Analyst

DC:lv

Enclosures: Project Location Map





Letter No.: EEO2018-3470

October 10, 2018

VIA CERTIFIED MAIL

Erin Young
Wopumnes Nisenan-Mewuk Nation of El Dorado County
P.O. Box 1712
Shingle Spring, CA 95682

Subject: AB 52 Notification of Proposed Cal Fire Grant Vegetation Management Project

Dear Erin Young:

This is a formal notification that El Dorado Irrigation District (District) has decided to undertake the Cal Fire Grant Vegetation Management Project (Project). Catastrophic wild fire is a significant threat to the District's water supply infrastructure and the surrounding communities. This project will include fuel reduction efforts to approximately 570 acres of District owned property spanning four District facilities located in El Dorado County, California:

1. Weber Reservoir- 370 acres
2. Sly Park Recreation Area (SPRA)- 118 acres
3. Camp 5 Maintenance Yard (Camp 5)- 50 Acres
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Each facility will require a combination of fuel reduction methods depending on the location, facility access, slope, and reservoir/riparian zone proximity. Strategies include; hand-cutting and piling, hand-thinning and chipping, lop and scatter, and mechanical mastication.

Best management practices will be implemented during project activities to protect aquatic, terrestrial, and botanical special-status species, waterways and riparian areas, cultural and archaeological resources, and aesthetic and visual resources. A Project location map is enclosed with this letter.

Please respond to my contact information provided below within 30 days if you are interested in beginning consultation regarding this Project activity.

Lead Agency Contact Information:

Doug Venable
Environmental Review Analyst
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667



Please contact me at 530-642-4187 or dvenable@eid.org if you have any questions.

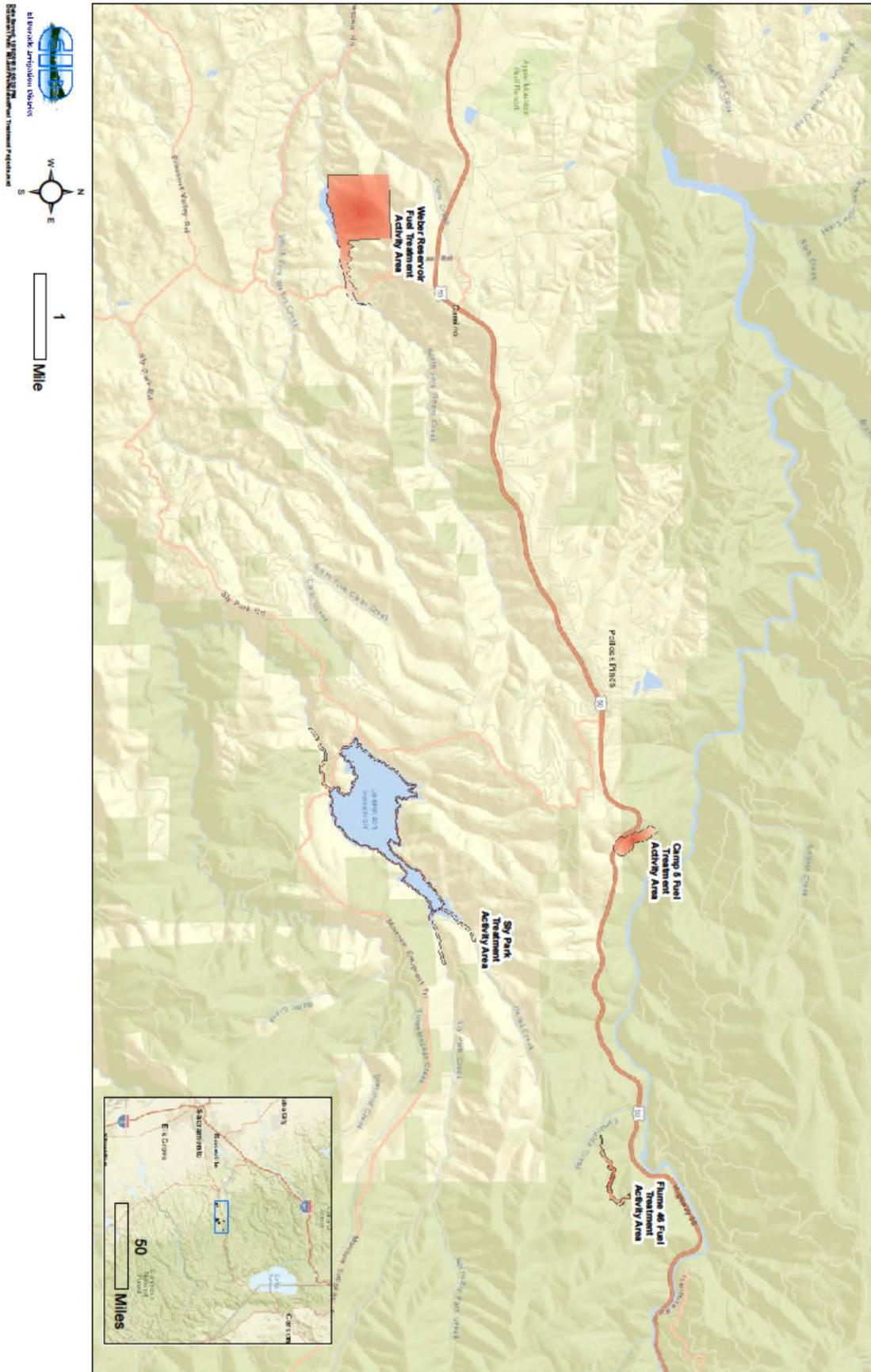
Sincerely,

A handwritten signature in blue ink, appearing to read 'Doug Venable', with a long, sweeping horizontal line extending to the right.

Doug Venable
Environmental Review Analyst

DC:lv

Enclosures: Project Location Map





Letter No.: EEO2018-3471

October 10, 2018

VIA CERTIFIED MAIL

Michael Mirelez
Cultural Resource Coordinator
Torres Martinez Desert Cahuilla Indians
P.O. Box 1160
Thermal, CA 92274

Subject: AB 52 Notification of Proposed Cal Fire Grant Vegetation Management Project

Dear Mr. Mirelez:

This is a formal notification that El Dorado Irrigation District (District) has decided to undertake the Cal Fire Grant Vegetation Management Project (Project). Catastrophic wild fire is a significant threat to the District's water supply infrastructure and the surrounding communities. This project will include fuel reduction efforts to approximately 570 acres of District owned property spanning four District facilities located in El Dorado County, California:

1. Weber Reservoir- 370 acres
2. Sly Park Recreation Area (SPRA)- 118 acres
3. Camp 5 Maintenance Yard (Camp 5)- 50 Acres
4. Flume 46 on the El Dorado Canal- 24 acres

Each facility will require a combination of fuel reduction methods depending on the location, facility access, slope, and reservoir/riparian zone proximity. Strategies include; hand-cutting and piling, hand-thinning and chipping, lop and scatter, and mechanical mastication.

Best management practices will be implemented during project activities to protect aquatic, terrestrial, and botanical special-status species, waterways and riparian areas, cultural and archaeological resources, and aesthetic and visual resources. A Project location map is enclosed with this letter.

Please respond to my contact information provided below within 30 days if you are interested in beginning consultation regarding this Project activity.

Lead Agency Contact Information:
Doug Venable
Environmental Review Analyst
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667

Please contact me at 530-642-4187 or dvenable@eid.org if you have any questions.

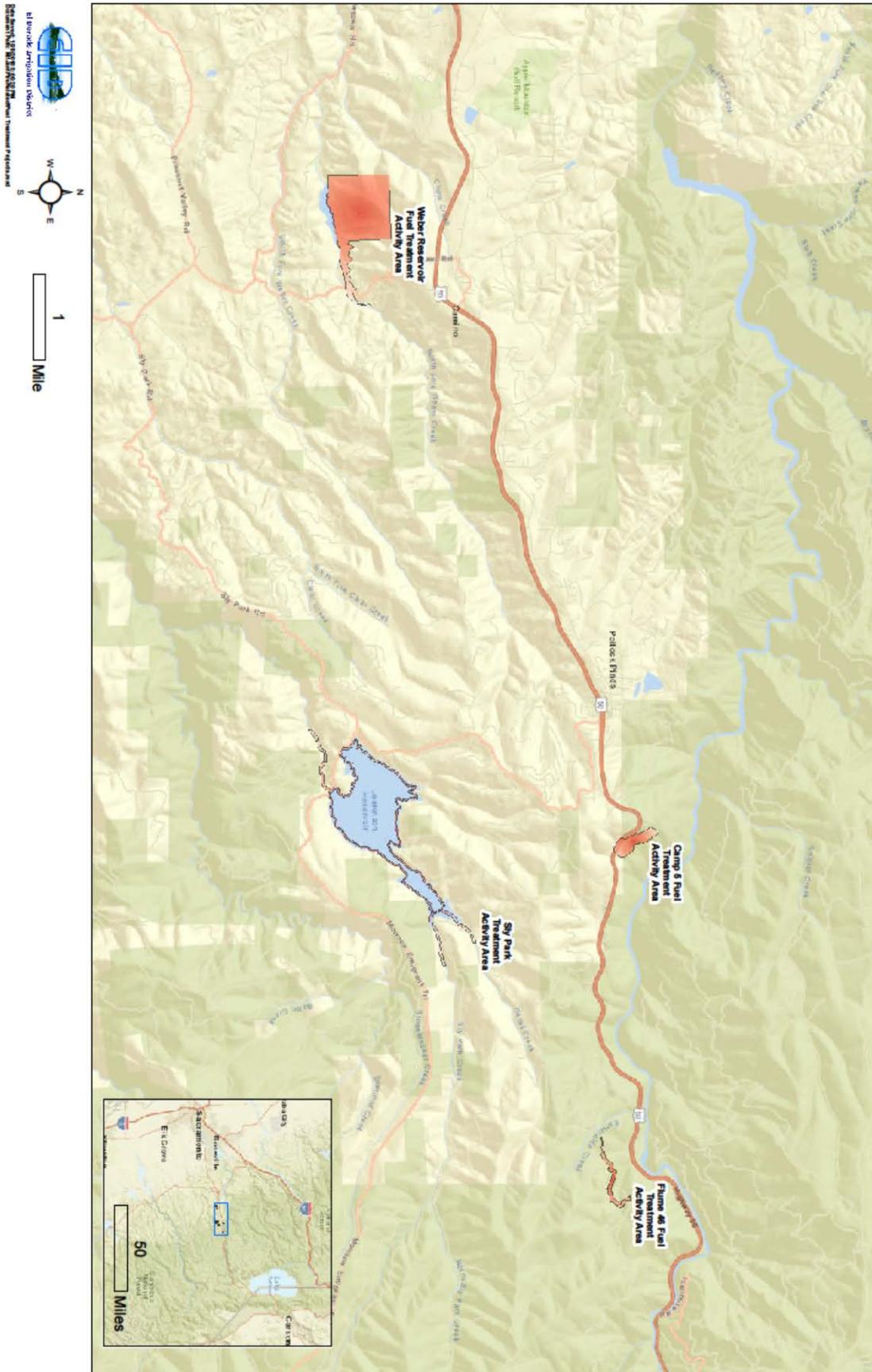
Sincerely,



Doug Venable
Environmental Review Analyst

DC:lv

Enclosures: Project Location Map





Letter No.: EEO2018-3472

October 10, 2018

VIA CERTIFIED MAIL

Steven Hutchason, Executive Director
Environmental Resources Department
Wilton Rancheria
9728 Kent Street
Elk Grove, CA 95624

Subject: AB 52 Notification of Proposed Cal Fire Grant Vegetation Management Project

Dear Mr. Hutchason:

This is a formal notification that El Dorado Irrigation District (District) has decided to undertake the Cal Fire Grant Vegetation Management Project (Project). Catastrophic wild fire is a significant threat to the District's water supply infrastructure and the surrounding communities. This project will include fuel reduction efforts to approximately 570 acres of District owned property spanning four District facilities located in El Dorado County, California:

1. Weber Reservoir- 370 acres
2. Sly Park Recreation Area (SPRA)- 118 acres
3. Camp 5 Maintenance Yard (Camp 5)- 50 Acres
4. Flume 46 on the El Dorado Canal- 24 acres

Each facility will require a combination of fuel reduction methods depending on the location, facility access, slope, and reservoir/riparian zone proximity. Strategies include; hand-cutting and piling, hand-thinning and chipping, lop and scatter, and mechanical mastication.

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Lead Agency Contact Information:
Doug Venable
Environmental Review Analyst
El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667



Please contact me at 530-642-4187 or dvenable@eid.org if you have any questions.

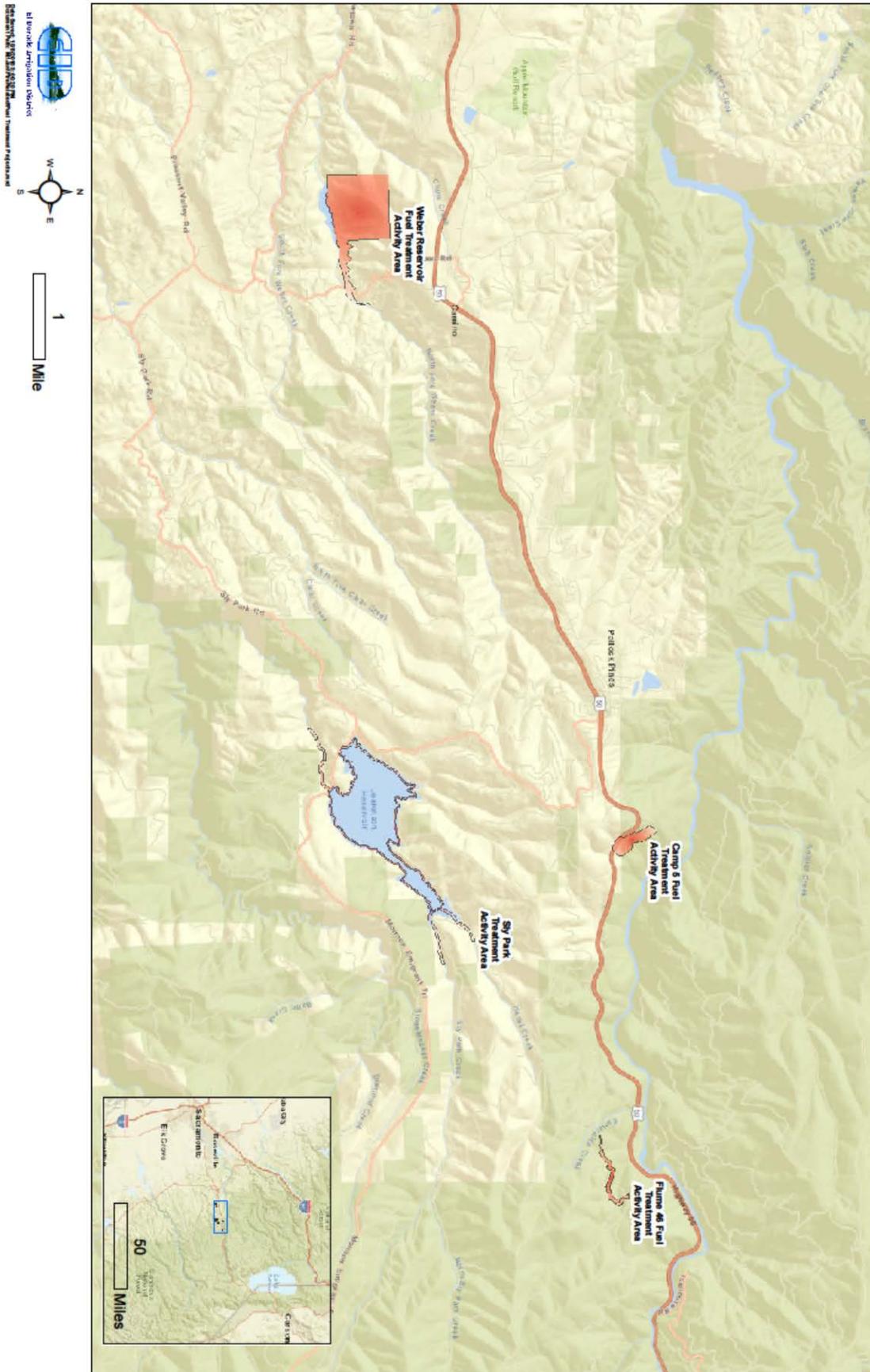
Sincerely,

A handwritten signature in blue ink, appearing to read 'Doug Venable', with a long, sweeping flourish extending to the right.

Doug Venable
Environmental Review Analyst

DC:lv

Enclosures: Project Location Map



Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
000464		1969	Olsen, William H. (uncertain)	Survey of the El Dorado Canal, Powerhouse, Forebay, and Intake Dam, El Dorado County, California.		09-000221, 09-000232
001368		1998	Stewart, Mark	Confidential Archaeological Addendum for Timber Operations on Non-Federal Lands in California for Union Hill Timber Harvest Plan.		
008669		1991	Leslie Glover, Stephen Wee, and Rand Herbert	Archaeological Survey and Historical Research Report on the El Dorado Canal	Far Western/ JRP	09-000599
008740		2005	Scott Billat	Fresh Pond/CA-1328B	EarthTouch Inc.	
008759		2004	Mark Stewart	An Archaeological Survey Report for the Thorne THP, El Dorado County, California	RPF #2308	
008774		1994	David Levy	Carleton-Hwy 50 THP	David Levy Forestry	09-000599, 09-000809, 09-004136, 09-004137
008776		2001	Robert W. Allen	Green THP		
009003		2003	Sharon Waechter, Stephen Wee, Meredith Rucks, Mary Maniery, Darren Andolina, and Eric Wohlgemuth	Proposed Relicensing of the El Dorado Hydroelectric Project (FERC Project 184)	Far Western Anthropological Research Group, Inc.; JRP Historical Consulting Services; Summir Envirosolutions; PAR Environmental Consulting Services	03-000067, 03-000154, 03-000157, 03-000526, 03-000527, 03-000528, 03-000529, 03-000530, 03-000531, 03-000532, 03-000533, 03-000534, 03-000535, 03-000536, 03-000537, 03-000538, 03-000539, 03-001204, 03-001240, 03-001241, 03-001456, 03-001457, 03-001458, 03-001459, 03-001460, 03-001461, 03-001464, 03-001465, 09-000105, 09-000109, 09-000221, 09-000410, 09-000413, 09-000519, 09-000599, 09-000638, 09-000779, 09-000780, 09-000781, 09-000782, 09-000809, 09-001327, 09-001328, 09-001329, 09-001331, 09-001332, 09-001333, 09-001334, 09-001335, 09-001336, 09-003231, 09-003451, 09-003453, 09-003454, 09-003456, 09-003675, 09-003676, 09-004111, 09-004147, 09-004245, 09-004247, 09-004248, 09-004249, 09-004250, 09-004251, 09-004252, 09-004253, 09-004254, 09-004255, 09-004256, 09-004257, 09-004258, 09-004259, 09-004260, 09-004262, 09-004263, 09-004264, 09-004265, 09-004266, 09-004268, 09-004269, 09-004997

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
009338		1990	Lisa Shapiro	CRI for the Pacific Bell Project, El Dorado National Forest, California	PAR Environmental Services, Inc.	
009712		1993	Deal, Krista	1992 Tractor Salvage Sales El Dorado and Placer Counties, California ARRA 05-03-331-122	El Dorado National Park, Pacific Ranger District	09-003900, 09-004884, 09-004885, 09-004886, 09-004887, 31-003626
009713		1992	Deal, Krista	Pacific Ranger District 1991 Salvage Sales El Dorado and Placer Counties, California ARRA 05-03-331-85	El Dorado National Forest, Pacific Ranger District	09-004876, 09-004877, 09-004878, 09-004879, 09-004880, 09-004881, 09-004882, 09-004883
010076		2008	Mark Stewart	Mountaineers THP	Stewart Forestry LLC	
011347		2008	Leslie R. Fryman	NRHP and CRHR Evaluation of CA-ELD-226H (Camp 5), El Dorado Irrigation District	Albion Environmental, Inc	09-003451

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-09-000599	CA-ELD-000511H	Resource Name - El Dorado Canal; USFS - 05-03-56-78; Other - Plum Creek Temp. #8; Other - AC-55; Other - El Dorado Ditch; Other - Alder Creek Canyon Bench Walls	Structure, Site	Historic	AH06 (Water conveyance system); HP04 (Ancillary building); HP11 (Engineering structure); HP20 (Canal/aqueduct)	1977 (Jim Heale, Jim Woodward, Forest Service); 1983 (Sally Salzman, Forest Service); 1984 (L. GODDARD); 1990 (A. Glenn Caruso, Caruso Cultural Resource Management); 1994 (David Levy, David Levy Forestry); 2002 (Stephen Wee, Andrew Walters, JRP Historical Consulting Services); 2002 (CHRISTOPHER MCMORRIS; ANDREW WALTERS, JRP HISTORICAL CONSULTING); 2002 (James J. Kral, Kral's Progressive Forestry); 2002 (Stephen Wee, JRP Historical Consulting Services); 2002 (STEPHEN WEE; ANDREW WALTERS, JRP HISTORICAL CONSULTING); 2002 (James J. Kral, Kral's Progressive Forestry); 2003 (James J. Kral, Kral's Progressive Forestry); 2005 (Mark Stewart, RPF #2308); 2005 (T FERNANDEZ; K QUIDACHAY, EID); 2005 (Leslie Fryman, Trish Fernandez); 2008 (Mark Bowen, Trish Fernandez, Jones and Stokes)	000076, 008253, 008669, 008752, 008774, 008775, 008781, 008786, 009003, 009990, 010740, 012219, 012521
P-09-003309	CA-ELD-002177H	Resource Name - Lower Ogilby Grade; USFS - 05-03-56-723; Other - Road A; Other - Road B; Other - Upper Ogilby Grade	Site	Historic	AH07 (Roads/trails/railroad grades)	1993 (R. Palmer and K. Lambert, USDA, Forest Service, Eldorado National Forest); 1993 (USFS)	011342

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-09-003456	CA-ELD-002230H	Other - CA-4; Other - Ditch Camp 3; Other - Western States Gas and Electric Company's Ditch Camp 3	Site	Historic	AH02 (Foundations/structure pads); AH04 (Privies/dumps/trash scatters); AH06 (Water conveyance system); AH07 (Roads/trails/railroad grades); AH11 (Walls/fences)	2002 (M. Darcangelo and J. Collins, Far Western Anthropological Research Group, Inc.); 2006 (R. Scott Baxter, Trish Fernandez, Shelley Janek)	008865, 009003
P-09-004264		USFS - 05-03-56-822; Other - CA-3	Site	Historic	AH07 (Roads/trails/railroad grades)	2002 (E. Wohlgemuth, L. Johnson, Far Western Anthropological Research Group, Inc.)	009003
P-09-004339		Resource Name - Esmeralda Sawmill Site	Site	Historic	AH02 (Foundations/structure pads); AH04 (Privies/dumps/trash scatters)	1996 (James McDaniel, Jr., Western Timberlans Consulting); 2006 (Kim Thibeault, Sierra Pacific Industries)	009223

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-09-000351	CA-ELD-000263	Resource Name - Arrowhead Camp Site; Other - Pine Cone Site	Site, Other	Prehistoric	AP04 (Bedrock milling feature); AP05 (Petroglyphs); AP15 (Habitation debris)	1979 (ANN S. PEAK); 1985 (J STARNS); 1985 (J STARNS); 1991 (JEAN STARNS); 1992 (JEAN STARNS); 2003 (ALICIA PEREZ, WINDMILLER CONSULTING); 2014 (Trish Fernandez); 2018 (Justin Wisely, Cassy Brainard, Far Western Anthropological Research Group, Inc.)	004688, 004747, 004748, 005085, 006525, 008108, 008805, 012611
P-09-000816	CA-ELD-000728	Resource Name - Sly Park Picnic Ground Site; Other - SP-P-18; Other - SP-P-16; Other - Pearson's Point		Prehistoric	AP04 (Bedrock milling feature); AP15 (Habitation debris)	1977 (James M. Snoke); 1977 (James M. Snoke); 1985 (J. Starns, E.I.D.); 1985 (J. Starns, E.I. D.); 1986 (J Starns); 1986 (J. Starns, E.I.D.); 1986 (J. Starns); 1986 (J Starns); 1987 (J Starns); 1987 (J. Starns); 1987 (J. Starns); 1991 (Jean Starns, El Dorado Irrigation District); 2003 (Ric Windmiller, Bureau of Reclamation)	004707, 004756, 005085, 006525, 007038, 008108
P-09-001792		Other - JL-01	Site	Prehistoric	AP04 (Bedrock milling feature)	2003 (Ric Windmiller, Consulting Archaeologist)	008108
P-09-001793	CA-ELD-002092	Other - JL-02	Site	Prehistoric	AP04 (Bedrock milling feature)	2003 (Ric Windmiller, BLM)	006525, 008108
P-09-001794		Other - JL-03	Other	Prehistoric	AP04 (Bedrock milling feature)	2003 (Ric Windmiller, Consulting Archaeologist)	
P-09-001796		Resource Name - Sly Park Dam	Site	Historic	HP21 (Dam)	2003 (Donald S. Napoli)	006525, 008108
P-09-001797		Other - JL-06	Other	Historic	AH05 (Wells/cisterns)	2003 (Ric Windmiller, Consulting Archaeologist)	008108
P-09-001798	CA-ELD-001331	Other - JL-07		Prehistoric	AP04 (Bedrock milling feature)	1985 (J Starns, El Dorado Irrigation District); 2003 (Ric Windmiller)	008108

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-09-001799		Resource Name - Camp Creek Diversion Tunnel and North Portal; Other - JL-08	Structure	Historic	AH06 (Water conveyance system); HP20 (Canal/aqueduct)	2003 (Ric Windmiller, Consulting Archaeologist); 2003 (Donald S. Napoli)	006525, 008108
P-09-001800	CA-ELD-002093H	Other - JL-09	Site	Historic	AH07 (Roads/trails/railroad grades)	2003 (Ric Windmiller, Bureau of Reclamation)	004589, 008108
P-09-001801		Other - JL-10	Other	Historic	AH16 (Other) - fence posts	2003 (Ric Windmiller, Consulting Archaeologist)	004589, 008108
P-09-001802	CA-ELD-002094H	Other - JL-11	Site	Historic	AH04 (Privies/dumps/trash scatters)	2003 (Ric Windmiller, Bureau of Reclamation)	006525, 008108
P-09-001803		Other - JL-12	Other	Historic	AH16 (Other)	2003 (Ric Windmiller, Consulting Archaeologist)	008108
P-09-001804		Other - JL-13	Object	Historic	AH16 (Other) - iron plate	2003 (Ric Windmiller, Consulting Archaeologist)	008108
P-09-001805		Other - JL-14	Object	Historic	AH04 (Privies/dumps/trash scatters)	2003 (Ric Windmiller, Consulting Archaeologist)	008108
P-09-001806		Other - JL-15	Site	Historic	AH09 (Mines/quarries/tailings)	2003 (Ric Windmiller, Consulting Archaeologist)	008108
P-09-001809	CA-ELD-002096H	Other - JL-18	Site	Historic	AH09 (Mines/quarries/tailings)	2003 (Ric Windmiller, Consulting Archaeologist)	006525, 008108
P-09-001810	CA-ELD-002097H	Other - JL-19	Site	Historic	AH07 (Roads/trails/railroad grades); AH09 (Mines/quarries/tailings)	2003 (Ric Windmiller, Bureau of Reclamation)	004716, 004727, 006525
P-09-001811	CA-ELD-002098H	Other - JL-20	Site	Historic	AH07 (Roads/trails/railroad grades)	2003 (Ric Windmiller, Consulting Archaeologist)	006525
P-09-001812	CA-ELD-001332	Resource Name - Stonebraker Site	Site	Prehistoric	AP04 (Bedrock milling feature)	1986 (J Starns, El Dorado Irrigation District); 1987 (Jean Starns, El Dorado Irrigation District); 2003 (Ric Windmiller)	006525, 008108

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-09-001813	CA-ELD-001333H	Resource Name - Bishop Goodman House Site; Other - The Chimneys Site; Other - SP-4-H	Other	Historic	AH02 (Foundations/structure pads)	1993 (Jean Starns, El Dorado Irrigation District); 2003 (Ric Windmiller)	006525, 008108
P-09-001814		Resource Name - Pine Cone Site	Site	Prehistoric	AP04 (Bedrock milling feature)	1985 (J. Starns, El Dorado Irrigation District); 2003 (Ric Windmiller, Consulting Archaeologist)	006525
P-09-001815	CA-ELD-001334H	Resource Name - Phippens West/Placerville Lumber; Other - SP 3H; Other - Phippens West Lumber Mill Site	Site	Historic	AH02 (Foundations/structure pads)	1993 (Cherly Goss, Jean Starns, El Dorado Irrigation District); 2003 (Ric Windmiller)	006525, 008108
P-09-001816	CA-ELD-001335	Other - Site 1	Site	Prehistoric	AP04 (Bedrock milling feature)	1985 (J Starns, C Goss, El Dorado Irrigation District); 2003 (Ric Windmiller)	006525, 008108
P-09-001817		Resource Name - Hilltop Camp site	Other	Prehistoric	AP04 (Bedrock milling feature); AP16 (Other) - isolate	(J. Starns, EID); 2003 (Alicia Perez, Windmiller Consulting)	006525, 008108
P-09-001896		Resource Name - Jenkinson Lake; Other - Sly Park Reservoir	Site	Historic	HP22 (Lake/river/reservoir)	2003 (Donald S. Napoli)	008108
P-09-001897		Resource Name - Sly Park Storage Shed	Structure	Historic	HP04 (Ancillary building)	2003 (Donald S. Napoli)	
P-09-001898		Resource Name - Sly Park Dam Tender's House	Structure	Historic	HP02 (Single family property)	2003 (Donald S. Napoli)	008108
P-09-002019	CA-ELD-001419		Site	Prehistoric	AP02 (Lithic scatter)	1992 (DANA E SUPERNOWICZ)	004716, 004724, 004727
P-09-002034		Other - PSI#2 Dry Gulch Ditch	Site	Historic	AH06 (Water conveyance system)	2001 (Robert Little)	004723
P-09-002079	CA-ELD-001449	Resource Name - Kamloop Hill Site	Site	Prehistoric	AP04 (Bedrock milling feature)	1985 (J. Starns, Eldorado Irrigation District)	
P-09-002080	CA-ELD-001450		Site	Prehistoric	AP04 (Bedrock milling feature)	1985 (J. Starns, Eldorado Irrigation District)	008108
P-09-002081	CA-ELD-001451	Other - SOFAR PS-04	Site	Prehistoric	AP04 (Bedrock milling feature)	1977 (James M. Snoke, USFS); 1978 (Gerry, Niemoyer, S. Peak, USFS)	004756, 006565

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Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-09-002082		Resource Name - Historic mining ditch; Other - SP-1; Other - SP-2 & Sp-3; Other - Dry rock walls and a segment of historic ditch system	Site	Historic	AH06 (Water conveyance system)	1992 (Jean Starns, Cultural Resource Analyst, Planning Division, Engineering Department, El Dorado Irrigation District)	008108
P-09-003181	CA-ELD-002091H	Resource Name - Sly Park Historic District	Site, District	Historic	HP02 (Single family property); HP04 (Ancillary building); HP20 (Canal/aqueduct); HP21 (Dam); HP22 (Lake/river/reservoir); HP70 (Tunnel or Underpass)	2003 (Donald S. Napoli)	006525, 008108
P-09-004282		Resource Name - Carbine Ridge Milling Site; Other - Site 2; Other - Site 2 for Carbine THP	Site	Prehistoric	AP04 (Bedrock milling feature)	2007 (Gary E. Gould, State of California - The Resources Agency, Department of Parks and Recreation)	009028
P-09-004416	CA-ELD-002764H	Other - Jenkinson Road 1; USFS - 05-03-56-922	Site	Historic	AH07 (Roads/trails/railroad grades)	2007 (J. Connolly, C. Westphal, R. Vardy, USFS)	
P-09-004418	CA-ELD-002766H	Resource Name - Louis LePettit's Grade Road; Other - Stonebreaker Grade; USFS - 05-03-56-924	Site	Historic	AH07 (Roads/trails/railroad grades)	2007 (J. Connolly, C. Westphal, and R. Vardy, USFS)	
P-09-004420	CA-ELD-002767H	Resource Name - The Road to Cutler's Mill; USFS - 05-03-56-928	Site	Prehistoric	AH07 (Roads/trails/railroad grades)	2007 (J. Connolly, USFS)	
P-09-005391		Resource Name - White Rock Site	Site	Prehistoric	AP04 (Bedrock milling feature)	2010 (Matthew Waverly, Sierra Pacific Industries)	010672
P-09-005395		Resource Name - Road from Diamond Springs to Carson Valley	Site	Historic	AH07 (Roads/trails/railroad grades)	2009 (Matthew Waverly, Sierra Pacific Industries)	010672
P-09-005861	CA-ELD-003074	Resource Name - 516-4-01	Site	Prehistoric	AP02 (Lithic scatter)	2008	

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
000410		1979	Rondeau, Michael F.	An Archeological Reconnaissance of the Proposed Gold Strike Subdivision, El Dorado County, California	Archaeological Study Center California State University, Sacramento	09-000512, 09-000513
000803		1998	Kral, James J.	Confidential Archaeological Addendum for Timber Operations on Non-Federal Lands in California for Rancho THP	Stewart Forestry	09-000513, 09-001196
000846		1991	Supernowicz, Dana E.	Archaeological Survey Report of Assessor's Parcel Number 77:800:03, a Proposed Parcel Split, El Dorado County, California		
000848		1991	Supernowicz, Dana E.	Archaeological Survey Report of Assessor's Parcel Number 77:810:07, a Proposed Parcel Split, El Dorado County, California		
000859		1990	Supernowicz, Dana E.	Archaeological Survey Report of Rancho Del Sol, Units 3 and 4, a Subdivision, El Dorado County, California		09-000513
000862		1995	Stewart, Mark	Archaeological and Historical Resources Survey and Impact Assessment for Schaefer/Beliz THP		09-001159
000892		1998	Wagener, John C.	Confidential Archaeological Addendum for Timber Operations on Non-Federal Lands in California for Weber Timber Harvest Plan		
000962		1996	Starns, Jean E.	Camino Conduit Maintenance, Cultural Resource Report, Project Number 7080, El Dorado Irrigation District	El Dorado Irrigation District	
001215		1998	Allen, Robert W.	Confidential Archaeological Addendum for Timber Operations on Non-Federal Lands in California for Miller THP Amendment		
003511		1995	Gilbert, Carlys	Archeological Review of THP 4-95-30/ELD-17 Miller THP		
003520		1992	Heipel, Steve and Shapiro, William	A Cultural Resource Survey For The Proposed Camino Canyon Development Project, El Dorado County, California	PAR Environmental Services, Inc.	09-000233, 09-001458, 09-001459, 09-001460, 09-001461, 09-001462, 09-001463, 09-001464, 09-001465, 09-001466, 09-001467, 09-001469, 09-001470, 09-001471, 09-001472, 09-001473
003577		1998	Hanna, David C.	El Dorado Irrigation District, California Webber Dam Seismic Retrofit Project Cultural Resources		

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Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
003578		1991	Starns, Jean E.	WEBBER DAM DSOD PROJECT CULTURAL RESOURCES SURVEY EI Dorado Irrigation District Project Number 87000, Work Order Number 2470	El Dorado Irrigation District	09-001510, 09-005443, 09-005444
003578B		1928	Noetzli, Fred	Report on Arch Type of Dam on Webber Creek, California for the Eldorado irrigation District		
003578C		1991	Supernowicz, Dana	ADDENDUM TO WEBBER DAM DSOD PROJECT CULTURAL RESOURCES EVALUATION AND DETERMINATION OF ELIGIBILITY EL DORADO COUNTY, CALIFORNIA		
005988		1995	Allen, Robert W.	Archaeological and Historical Resources Survey for Miller Timber Harvest Plan		
006020		1996	Davies, James	Confidential: Archaeological and Historical Resources Survey & Impact Assessment A Supplemental Report for a Timber Harvesting Plan. Camino THP		
006047		1978	Snoke, James M.	Archaeological Reconnaissance of the Weber Creek Drainage: 1978 Timber Sale	American River College	
006863		2005	Allen, Robert W.	Confidential Archaeological Addendum for Timber Operations on Non-Federal Lands in California Project Name: Heflin THP		
009293		2008	Dana Supernowicz	Cultural Resources Study of Assessors Parcel No. 077:810:14, East of Snows Road, Camino, El Dorado County, California 95709	Historic Resource Associates	
010258		2008	Allen, Robert	Heflin THP/Amendment		09-001466

APPENDIX D

Mitigation Monitoring and Reporting Program

Mitigation Monitoring and Reporting Program
El Dorado Irrigation District
Vegetation Management Project

Prepared for:



El Dorado Irrigation District

AECOM

June 2019

Mitigation Monitoring and Reporting Program
El Dorado Irrigation District
Vegetation Management Project

Prepared for:



El Dorado Irrigation District
2890 Mosquito Road
Placerville, CA 95667

Contact:

Brian Deason
Environmental Resources Supervisor
530/ 642-4064

Prepared by:

AECOM
2020 L Street, Suite 400
Sacramento, CA 95811

Contact:

Ken Koch
916/414-5853

AECOM

June 2019

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MITIGATION MONITORING AND REPORTING PROGRAM

INTRODUCTION

In accordance with the California Environmental Quality Act (CEQA), El Dorado Irrigation District (EID) has prepared an initial study/mitigated negative declaration (IS/MND) that identifies environmental impacts related to the implementation of the El Dorado Irrigation District Vegetation Management Project. The IS/MND also identifies mitigation measures that will be implemented to reduce potential significant impacts to a less-than-significant level.

Section 21081.6 of the California Public Resources Code and Sections 15091(d) and 15097 of the CEQA Guidelines require public agencies “to adopt a reporting and monitoring program for changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment.” A mitigation monitoring and reporting program (MMRP) is required for the proposed project because the IS/MND identifies potentially significant and significant adverse impacts related to vegetation clearance activities, and mitigation measures have been identified to mitigate those impacts.

EID is the lead agency that must adopt the MMRP for the proposed project. Adoption of this MMRP will occur along with approval of the proposed project.

PURPOSE OF MITIGATION MONITORING AND REPORTING PROGRAM

This MMRP has been prepared to ensure that all required mitigation measures are implemented and completed according to schedule and maintained in a satisfactory manner during the construction and operation of the proposed project. The MMRP may be modified by EID during project implementation, as necessary, in response to changing conditions or other refinements. Table 1 has been prepared to assist the responsible parties in implementing the MMRP. The table identifies individual mitigation measures, monitoring/mitigation timing, the person and/or agency responsible for implementing the measure, and space to confirm implementation of the mitigation measures. The numbering of mitigation measures follows the numbering sequence found in the IS/MND.

ROLES AND RESPONSIBILITIES

EID is responsible for taking all actions necessary to implement the mitigation measures according to the specifications provided for each measure and for demonstrating that the action has been successfully completed. EID, at its discretion, may delegate implementation responsibility or portions thereof to a licensed contractor or other designated agent as long as EID maintains final responsibility for ensuring that the actions are taken.

EID will be responsible for overall administration of the MMRP and for verifying that EID staff members and/or the contractor has completed the necessary actions for each measure. EID will designate a project manager to oversee the MMRP. The project manager will be charged with the following duties:

- ▶ Ensure that routine inspections of the construction site are conducted by appropriate EID staff; check plans, reports, and other documents required by the MMRP; and conduct report activities

- ▶ Serve as a liaison between EID and other responsible agencies (where necessary), and the construction contractor regarding mitigation monitoring issues
- ▶ Complete forms and maintain reports and other records and documents generated by the MMRP
- ▶ Coordinate and ensure that corrective actions or enforcement measures are taken, if necessary

The responsible party for implementation of each item will identify the staff members responsible for coordinating with EID on the MMRP.

MITIGATION MONITORING PLAN

EID will verify the implementation of mitigation measures. Table 1 provides a template that EID can use to monitor and report on the implementation of mitigation measures.

The column categories identified in Table 1 are described below:

- ▶ **Mitigation Measure**—This column lists the mitigation measures according to the number in the IS/MND and provides the text of the mitigation measures identified in the IS/MND.
- ▶ **Party Responsible for Monitoring**—This column identifies the entity responsible for complying with the requirements of the mitigation measure.
- ▶ **Timeframe for Implementation**—This column lists the time frame in which the mitigation will take place.
- ▶ **Monitoring Compliance**—This column is for verifying compliance. The column is to be dated and initialed by the project manager or his/her designee, based on the documentation provided by the construction contractors, its agents (qualified individuals), or through personal verification by EID.

Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing			
Mitigation Measure	Party Responsible for Monitoring	Timeframe for Implementation	Monitoring Compliance (Provide Name/Date)
3.4 Biological Resources			
<p>BIO-1: Conduct Pre-Construction Surveys for Special-status Plants</p> <p>Before project implementation, EID will conduct appropriately-timed botanical surveys for all areas of project-related ground disturbance that could support special-status plant populations. Floristic surveys will be conducted by a qualified botanist during the species' blooming period in accordance with methods described in CDFW's 2018 Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities (CDFW 2018).</p> <p>If no special-status plants are found during focused surveys, the findings will be documented in a letter report, and no further mitigation would be required.</p> <p>If special-status plants are found during focused surveys but impacts would be completely avoided, the findings will be documented in a letter report, and locations of special-status plant populations clearly identified in the field by staking or flagging before vegetation removal activities. No project activity would occur in the marked areas. If special-status plants found during focused surveys cannot be completely avoided, an appropriate mitigation plan would be developed. This plan may include one or more of the following measures: erecting protective fencing (for indirect impact), providing worker education, locating and enhancing another off-site population of the species, or transplanting the population to suitable nearby habitat.</p>	EID and contractor	Surveys completed before vegetation clearance activities begin.	
<p>BIO-2: Conduct Pre-Construction Surveys for Raptors and Migratory Birds</p> <p>Trees and vegetation are planned to be removed outside the nesting season, August 16 through February 14. If construction occurs between February 15 and August 15, EID will conduct preconstruction surveys for active nests of special-status and MBTA protected birds before the start of any project activities. Surveys for nesting raptors will be conducted in accordance with established CDFW raptor survey protocols. If active nests are found, EID will establish avoidance buffers around nests that are sufficient so that breeding is not likely to be disrupted or adversely affected by project activities. An avoidance buffer will constitute an area where project-related activities (i.e., vegetation removal, earth moving, and construction) will not occur. Typical avoidance buffers during the nesting season will be 100 feet for nesting passerine birds and 500 feet for nesting raptors unless a qualified biologist determines that smaller buffers will be sufficient to avoid impacts on nesting raptors and/or other birds. Factors to be considered for determining buffer size will include: the presence of natural buffers provided by vegetation or topography; nest height; locations of foraging territory; and baseline levels of noise and human activity. A qualified biologist will monitor any active nests during construction, to ensure that the species is not being harmed or harassed by the noise or activity resulting from project-related activities. Buffers will be maintained until a qualified biologist has determined that young have fledged and are no longer reliant on the nest or parental care for survival.</p>	EID and contractor.	Surveys completed before vegetation clearance activities begin.	

Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing			
Mitigation Measure	Party Responsible for Monitoring	Timeframe for Implementation	Monitoring Compliance (Provide Name/Date)
<p>BIO-3: Avoid Disturbance to Roosting Bat Species</p> <p>Bats species known to occur in the proposed Project region may roost in trees within the proposed Project area. If Project activities are planned to occur during the bat maternity season (May through mid-August), the District shall conduct a habitat assessment of the Project site to identify potential habitat for bat maternity roosts (e.g., large-diameter trees, snags). Potential roost habitat identified during the assessment shall be marked and avoided, if possible. If the potential roost habitat cannot be avoided and removal of potential roost habitat must be conducted during the maternity season, preconstruction inspections for potential roost habitat shall be conducted using appropriate methods (e.g., camera inspection, exit survey with night optics, acoustic survey) within the 14-day period prior to vegetation removal. If bats are found during inspections, removal of that roost feature shall be delayed until the end of the maternity season or until a qualified bat biologist has determined that the young are capable of flight. If Project activities occur outside of the maternity season, no mitigation shall be required.</p>	EID and contractor.	Surveys completed before vegetation clearance activities begin.	
<p>BIO-4: Develop and Implement Worker Environmental Awareness Training</p> <p>Before the start of vegetation removal activity, EID will develop a worker environmental awareness program. Before the start of project activities, the environmental training will be provided to all personnel working on the project site during vegetation removal. EID, consultant, and construction personnel entering the project site will be trained before being allowed on-site.</p>	EID and contractor.	Prior to vegetation clearance activities	
<p>BIO-5: Protect Riparian Habitat</p> <p>EID shall avoid and minimize indirect impacts on riparian habitat by implementing watercourse and lake protection zones, and measures to minimize erosion and runoff in all drainage plans, in accordance with California Forest Practice Rules (Title 14, California Code of Regulations, Chapters 4, 4.5, and 10) (CAL FIRE 2017). Prior to project activity, EID will assign a qualified Registered Professional Forester to identify the locations of riparian habitat and water bodies, and corresponding setbacks (Watercourse and Lake Protection Zones) for avoidance. Identification of riparian habitat/water bodies for avoidance will be in addition to and distinguished from any required construction boundary fencing or flagging. Watercourse and Lake Protection Zones will be identified as appropriate on project maps. Appropriate runoff controls, such as berms, straw wattles, silt fencing, filtration systems, and sediment traps, will be implemented to control siltation and the potential discharge of pollutants. Watercourse and Lake Protection Zones and appropriate runoff controls, such as berms, straw wattles, silt fencing, filtration systems, and sediment traps, will be implemented to protect riparian habitat and control siltation and the potential discharge of pollutants.</p>	EID and contractor.	Prior to and during vegetation clearance activities	

Table 1 Summary of Mitigation Measures, Responsible Parties, and Timing			
Mitigation Measure	Party Responsible for Monitoring	Timeframe for Implementation	Monitoring Compliance (Provide Name/Date)
3.5 Cultural Resources			
<p>CUL-1: Address Previously Undiscovered Historic Properties and Archaeological Resources.</p> <p>EID shall implement the following measure to reduce or avoid impacts on undiscovered historic properties and archaeological resources. If interested Native American Tribes provide information demonstrating the significance of the project location and tangible evidence supporting the determination the site is highly sensitive for prehistoric archaeological resources, EID will retain a qualified archaeologist 1) monitor for potential prehistoric archaeological resources during initial ground disturbing activities, 2) prepare a worker awareness brochure, and 3) invite tribal representatives to review the worker awareness brochure.</p> <p>If buried or previously unidentified historic properties or archaeological resources are discovered during project activities, all work within a 100-foot radius of the find shall cease. EID shall retain a professional archaeologist meeting the Secretary of the Interior’s Professional Standards for Archaeologists to assess the discovery and recommend what, if any, further treatment or investigation is necessary for the find. Interested Native American Tribes will also be contacted. Any necessary treatment/investigation shall be developed with interested Native American Tribes providing recommendations and shall be coordinated with the State Historic Preservation Officer and Reclamation, if necessary, and shall be completed before project activities continue in the vicinity of the find.</p>	EID	Prior to or during vegetation clearance activities	
<p>CUL-2: Avoid Potential Effects on Undiscovered Burials.</p> <p>EID shall implement the following measures to reduce or avoid impacts related to undiscovered burials. In accordance with the California Health and Safety Code, if human remains are uncovered during ground-disturbing activities, all potentially damaging ground-disturbance in the area of the burial and a 100-foot radius shall halt and the El Dorado County Coroner shall be notified immediately. The coroner is required to examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or state lands (Health and Safety Code Section 7050.5[b]). If the coroner determines that the remains are those of a Native American, then Federal laws governing the disposition of those remain would come into effect. Specifically, the Native American Graves Protection and Repatriation Act (NAGPRA), Pub L. 101-601, 25 U.S.C. 3001 et seq., 104 Stat. 3048 requires federal agencies and institutions that receive federal funding to return Native American cultural items to lineal descendants and culturally affiliated Indian Tribes and Native Hawaiian organizations. Cultural items include human remains, funerary objects, sacred objects, and objects of cultural patrimony. NAGPRA also has established procedures for the inadvertent discovery of Native American cultural items on Federal or Tribal lands, which includes consultation with potential lineal descendants or Tribal officials as part of their compliance responsibilities.</p> <p>California law recognizes the need to protect Native American human burials, skeletal remains, and items associated with Native American burials from vandalism and inadvertent destruction. EID shall ensure that the procedures for the treatment of Native American human remains contained in California Health and Safety Code Sections 7050.5 and 7052 and Public Resources Code Section 5097 are followed.</p>	EID and contractor	Prior to and during vegetation clearance activities	

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