

# TERR 1 VEGETATION COMMUNITIES

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## 1.0 EXECUTIVE SUMMARY

Vegetation community mapping was completed in the study area surveyed in 2003. Vegetation communities within ¼ mile of Project facilities, recreational facilities, bypass and flow augmented reaches, and roads and trails in the study area surveyed in 2003 were mapped through aerial photograph interpretation and ground-truthing. Twelve forest and woodland vegetation communities, two chaparral vegetation communities, one meadow vegetation community, a riparian vegetation community, and four unvegetated or disturbed cover types were identified within the 2003 study area. Forest and woodland vegetation communities found in the study area include blue oak woodland, gray pine-chaparral woodland, gray pine-chaparral woodland with rock substrate, oak woodland, oak woodland with rock substrate, Sierran mixed conifer forest, Sierran mixed conifer forest with rock substrate, Jeffrey pine forest, Jeffrey pine forest with rock substrate, Jeffrey pine/fir forest, Jeffrey pine/fir forest with rock substrate, and lodgepole pine forest. Chaparral vegetation communities found in the study area include mixed montane chaparral and mixed montane chaparral with rock substrate. Wet montane meadow was the only meadow vegetation community identified in the study area. Riparian vegetation in the study area designated on the maps as montane riparian, includes the following riparian vegetation sub-communities: montane riparian scrub, white alder riparian forest, aspen riparian forest, and montane black cottonwood riparian forest. Refer to CAWG 11, Riparian, for further information on riparian vegetation communities identified within the study area (SCE 2003; SCE 2004). Several disturbed, or mostly unvegetated, cover types are found in the study area and include developed, open ground/disturbed, ruderal, and water.

## 2.0 STUDY OBJECTIVES

- Identify and map vegetation communities near Project facilities and bypass and flow augmented reaches.

## 3.0 STUDY IMPLEMENTATION

### 3.1 STUDY ELEMENTS COMPLETED

- Mapped and ground-truthed vegetation communities through aerial photograph interpretation according to the *Preliminary Descriptions of Terrestrial Natural Communities of California* (Holland 1986) and cross-referenced to *A Manual of California Vegetation* (Sawyer and Keeler-Wolf 1995).

### 3.2 OUTSTANDING STUDY ELEMENTS

- Complete vegetation community mapping at additional Project facilities in 2004 (Appendix A).

## 4.0 STUDY METHODOLOGY

Vegetation communities within ¼ mile of Project facilities, recreational facilities, bypass and flow augmented reaches, and roads and trails in the 2003 study area were mapped through aerial photograph interpretation and ground-truthing. All major plant communities, including forest, woodland, chaparral, meadow, and riparian vegetation communities, were delineated. Cover types also include non-vegetated wildlife habitats, such as developed, open ground/disturbed, ruderal, and water. Refer to Appendix B for a complete list of the facilities, at each elevation range, that were mapped in 2003. Refer to Appendix C for a list of facilities that have not been mapped because they are either entirely underground or not within the Project area, and without SCE maintenance activities.

### 4.1 AERIAL PHOTOGRAPH INTERPRETATION

Vegetation communities within ¼ mile of Project facilities, recreational facilities, bypass and flow augmented reaches, and roads and trails in the study area were mapped through aerial photograph interpretation and ground-truthing. Refer to the 2002 TERR 1, Vegetation Communities Technical Study Report (TSR) for detailed methodology (SCE 2003).

### 4.2 GROUND TRUTHING

Ground-truthing was conducted by driving and hiking in conjunction with the TERR 3, Special-status Plant Population surveys in 2003. Refer to the 2002 TERR 1, Vegetation Communities TSR for detailed methodology (SCE 2003).

## 5.0 STUDY RESULTS AND ANALYSIS

Vegetation communities found in the study area are typical of those on the western slopes of the central Sierra Nevada. They include forests, woodlands, chaparral, meadows, and riparian communities. There were no new vegetation communities discovered in the 2003 study area. Maps illustrating the location and extent of each of the vegetation communities are provided in electronic format on an interactive Compact Disk (CD-ROM) provided as an attachment to this report (Appendix D). Refer to the 2002 TERR 1, Vegetation Communities TSR for vegetation community descriptions (SCE 2003).

### 5.1 FOREST AND WOODLAND VEGETATION COMMUNITIES

Forest and woodland vegetation dominate much of the 2003 study area. Tree cover ranges from dense to open. The densest tree cover in the study area is found in some stands of white fir (*Abies concolor*) and of oak (*Quercus* spp.), while much of the Jeffrey pine forest in the study area is open. Forest and woodland cover types found in the study area include blue oak woodland, gray pine-chaparral woodland, westside ponderosa pine forest, oak woodland, Sierran mixed conifer forest, Jeffrey pine forest, Jeffrey pine/fir forest, and lodgepole pine forest. Refer to the 2002 TERR 1, Vegetation

Communities TSR for a complete description of the forest and woodland vegetation communities (SCE 2003).

## **5.2 CHAPARRAL VEGETATION COMMUNITIES**

Chaparral vegetation in the study area is a mosaic of low to medium shrubs variously dominated by manzanita species (*Arctostaphylos* spp.), ceanothus species (*Ceanothus* spp.), scrub oaks, and young trees. The same shrubs that are the dominant species of the shrublands also form the understory of adjacent forested areas. Due to the intermingling of the shrub species and the gradations in dominance found within the study area, all the montane shrub areas have been designated as mixed montane chaparral. Refer to the 2002 TERR 1, Vegetation Communities TSR for a complete description of the chaparral vegetation communities (SCE 2003).

## **5.3 SENSITIVE VEGETATION COMMUNITIES**

Within the study area, several wetland and riparian vegetation communities have been identified that are considered sensitive resources, which provide important habitat value for wildlife and are regulated by the U.S. Forest Service (USDA-FS) and the California Department of Fish and Game (CDFG). These include: dry montane meadows, wet montane meadows, montane freshwater marsh, and montane riparian. Figures TERR 1-1 (a through d) illustrate the location and extent of these sensitive vegetation communities within ¼ mile of the facilities surveyed in 2003. The USDA-FS provides management goals for riparian and meadow vegetation communities. The Sierra Nevada Forest Plan Amendment Final Environmental Impact Statement (USDA-FS 2001) identifies the following riparian and meadow ecosystem management goal: “protect and restore aquatic, riparian, and meadow ecosystems and provide for the viability of native plant and animal species associated with these ecosystems.” Refer to the 2002 CAWG 11, Riparian TSR (SCE 2003) and 2003 CAWG 11, Riparian TSR (SCE 2004) for more detailed data on riparian and meadow communities.

## **5.4 MEADOW VEGETATION COMMUNITIES**

Meadows in the 2003 study area are wet meadows. Meadows on the USDA-FS GIS meadows layer (USDA-FS Unknown date) that have not been viewed on the ground were included in the wet meadow category. Refer to the 2003 CAWG 11, Riparian TSR (SCE 2004) for a description of the meadow communities that occur in the area.

## **5.5 RIPARIAN VEGETATION COMMUNITIES**

Riparian vegetation in the 2003 study area includes any of the following vegetation communities: montane riparian scrub, aspen riparian forest, montane black cottonwood riparian forest, and montane freshwater marsh. Refer to the 2003 CAWG 11, Riparian TSR (SCE 2004) for a description of the riparian communities that occur in the area.

## **5.6 NON-VEGETATED AND DISTURBED COVER TYPES**

Several disturbed, or mostly unvegetated, cover types are found in the study area. A few areas dominated by ruderal (i.e., weedy) species are also present. These cover types include developed, open ground/disturbed, ruderal, and water, as described in the 2002 TERR 1, Vegetation Communities TSR (SCE 2003).

## 6.0 LITERATURE CITED

- Holland, R.F. 1986. Preliminary descriptions of the terrestrial natural communities of California. California Department of Fish and Game, Sacramento, California.
- Sawyer, J.O., and T. Keeler-Wolf. 1995. A Manual of California Vegetation. California Native Plant Society, Sacramento, California.
- Southern California Edison. 2003. 2002 Technical Study Report Package for the Big Creek Hydroelectric System Alternative Licensing Process prepared by Southern California Edison. October 10, 2003.
- Southern California Edison. 2004. 2003 Technical Study Report Package for the Big Creek Hydroelectric System Alternative Licensing Process prepared by Southern California Edison (in preparation).
- USDA-FS. 2001. Sierra Nevada Forest Plan Amendment Final Environmental Impact Statement. USDA-FS Pacific Southwest and Intermountain Regions.
- USDA-FS. Unknown date. U.S. Forest Service GIS Meadows Layer of the Sierra National Forest. GIS coverage.

## **FIGURES**

## **Placeholder for Figures**

### **Non-Internet Public Information**

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## **APPENDIX A**

### **Elevational List of Project Facilities, Recreational Facilities, Roads and Trails, and Flow Augmented and Bypass Stream Reaches in the 2003 Study Area**



**Appendix A: Project Facilities that will be Surveyed in 2004 for Special-status Plant Populations, Invasive/Exotic Plant Species, Native American Plants, and Elderberry Shrubs**

**Water Conveyance**

<b>Powerhouse No. 2</b>	
	Shoofly Piping & Splashgate Structure (Adit 8/Shoofly Diversion)
<b>Powerhouse No. 8</b>	
	Adit 1, Tunnel 8
<b>Mammoth Pool Powerhouse</b>	
	Adit Portals 1 & 2 at Shakeflat Creek
	Rock Creek Diversion Piping & Borehole
	Rock Trap Flushing Channel
<b>Huntington-Pitman-Shaver Conduit</b>	
	Vent Valve House
<b>Tombstone</b>	
	Tombstone Creek Diversion Piping
<b>Cabins</b>	
	Shaver Lake Dam Tenders
<b>Tunnel Muck Sites</b>	
	Mammoth Pool PH
	Grouse Creek (Not in use)
<b>Sediment Lay-Down Areas</b>	
	Bear
	Hooper
	Mono
<b>Project Power Lines Less Than 33KV</b>	
	Manifold 2.4KV
	Stevenson 12KV (Shared)
	Cascada 12KV (Shared)
<b>Miscellaneous</b>	
	West Portal Incline Rail Line (Not in Service)
	East Incline Rail Line (Not in Service)

**Appendix A: Reservoirs that will be Surveyed in 2004 for Special-status Plant Populations, Invasive/Exotic Plant Species, Native American Plants, and Elderberry Shrubs**

**Project Feature**

<b>Reservoirs, Forebays, and Diversion Pools</b>
<b>Moderate Forebays or Diversion Pools</b>
Bear Diversion Pool
Mono Diversion Pool
Hooper Diversion Pool
Pitman Diversion Pool

**Appendix A: Recreational Facilities that will be Surveyed in 2004 for Special-status Plant Populations, Invasive/Exotic Plant Species, Native American Plants, and Elderberry Shrubs**

<b>Recreational Facilities</b>	
<b>Shaver Lake</b>	
	Eagle Point Boat Only Day Use Area
<b>Dam 6 Forebay</b>	
	Angler Access Stairway at Mammoth Powerhouse
	Parking Area near Mammoth Powerhouse Gate
<b>Permittees at Shaver Lake</b>	
	Shaver Lake Fishing Club
	Gold Arrow Camp (Boy Scouts)

**Appendix A: Roads that will be Surveyed in 2004 for Special-status Plant Populations, Invasive/Exotic Plant Species, Native American Plants, and Elderberry Shrubs**

		Region/Area
<b>Roads Within Project Boundaries : SCE controlled</b>		
	Access road to Eagle Point Boat Only Day Use Area (off of 9S58)	Shaver
<b>Roads Within Project Boundaries : Not SCE controlled (cont.)</b>		
	Access road from 8S03 to Mammoth Pool penstock	Mammoth Pool
<b>Roads Outside Project Boundaries: SCE controlled</b>		
	Portal Surge Chamber access road from Kaiser Pass Road (Portal Project)	Kaiser Ridge
	Access road to Eastwood Tailrace (off of 9S58) <sup>1</sup>	Shaver
<b>Roads Outside Project Boundaries: Not SCE controlled</b>		
	Access road to trail to Pitman Domestic water Diversion from Huntington Lake Road	Big Creek Canyon
	8S02, from Hwy 168 to Huntington-Pitman-Shaver tunnel adit (Camp 72)	Shaver
	8S12 and 8S12A, access road to Huntington-Shaver Siphon from Hwy 168	Huntington
	8S305 from Hwy 168 to 8S12 to 8S12A, access road to Huntington-Shaver Siphon	Huntington
	Pitman Creek Diversion Access Road	Huntington
	27E26, access road to SF San Joaquin River gaging station NW of Hooper Diversion	Florence
	6S83, access road to Bear Diversion from 5S80, Kaiser Pass Road	Edison
	Mono Creek Diversion Access Road	Edison

**Notes:**

<sup>1</sup>Portions of road are located within Project boundary.

**Appendix A: Trails that will be Surveyed in 2004 for Special-status Plant Populations, Invasive/Exotic Plant Species, Native American Plants, and Elderberry Shrubs**

Trail Name/Description	
	Trail to Bolsillo Creek Gage above Intake
	Trail to Bear Creek Gage

**APPENDIX B**

**Elevational List of Project Facilities, Recreational Facilities,  
Roads and Trails, and Flow Augmented and Bypass Stream Reaches  
in the Study Area Surveyed in 2003**

**Appendix B. Elevational List of Project Facilities, Recreational Facilities, Roads and Trails, and Flow Augmented and Bypass Stream Reaches in the Study Area Surveyed in 2003.<sup>1</sup>**

<b>Lower Elevations (&lt; 4500 feet)</b>
Trailhead - Logan Meadow
Mammoth Pool Reservoir Maintenance Cabin
<b>Middle Elevation (4500-6600 feet)</b>
Scot Lake Domestic Water Diversion
Trail to Pitman Domestic Water Diversion from Huntington Lake Rd.
Pitman Creek Domestic Water Diversion (Not in Service)
Trail to Snow Slide Creek Domestic Water Diversion from Huntington Lake Road
Snowslide Creek Domestic Water Diversion (Not in Service)
Adit 8 Creek Domestic Water Diversion (Not in Service)
Tunnel No. 1
Powerhouse No. 1, Incline Adit
Tunnel No. 2
Adit 1, Tunnel 2
Adit 2, Tunnel 2
Adit 3, Tunnel 2
Adit 4, Tunnel 2
Adit 5, Tunnel 2
Adit 6, Tunnel 2
Adit 7, Tunnel 2
Adit 7 1/2, Tunnel 2
Adit 8, Tunnel 2
Tunnel No. 5 (where accessible)
Adit 1, Tunnel 5
Tunnel No. 7 (where accessible)
Camp 72 Adit
Project Power Lines Less Than 33KV, East Incline 7KV (Not in Service)
Eastwood School Site Storage Yard
Project Power Lines Less Than 33KV, Jumbo 12KV
Project Power Lines Less Than 33KV, Musick 7KV
Three short segments of Railroad Grade in the vicinity of Big Creek that crosses Powerhouse 2 tunnel adits
Eastwood Power Station
Eastwood Power Station Tunnel Muck Site
Permittee at Shaver Lake, Camp Chawanakee (Boy Scouts)
<b>Higher Elevation (&gt; 6600 feet)</b>
Project Power Lines Less Than 33KV, Grouse 7KV
Powerhouse No. 1, Tunnel No. 1
Powerhouse No. 1, Incline Adit
Powerhouse No. 1, Upper 60" Valve House below Huntington Lake
Powerhouse No. 1, Upper 84" Valve House below Huntington Lake
Powerhouse No. 1, 60" and 84" Flowlines below Huntington Lake
Powerhouse No. 1, Lower 60" Valve House at the top of Powerhouse No. 1 Penstock
Powerhouse No. 1, Lower 84" Valve House at the top of Powerhouse No. 1 Penstock
Powerhouse No. 1, 42" Valve House at the top of Powerhouse No. 1 Penstock
Powerhouse No. 1, Vent Stacks
Huntington Lake Weather Station
Trail to Crater Creek Diversion Ditch (off Dutch Lake Trail)
Crater Creek Diversion Channel
Trailhead - Bear Creek
Bear Adit

**Appendix B. Elevational List of Project Facilities, Recreational Facilities, Roads and Trails, and Flow Augmented and Bypass Stream Reaches in the Study Area Surveyed in 2003.<sup>1</sup>**

<b>Higher Elevation ( &gt; 6600 feet) (continued)</b>
Bear Diversion Tunnel Muck Site
Bear Tunnel (where accessible)
Bear Flowline
Mono Tunnel (where accessible)
Mono Flowline
Ward Tunnel (where accessible)
Camp 62 Adit
Camp 62 Adit Valving
Camp 62 Storage Yard
Camp 62 Tunnel Muck Site
Camp 62 Cabin
Fuel - Gasoline & Diesel, Camp 62
Propane, Camp 62 - Emergency Cabin Heating
East Fork Camp 61 Creek Diversion (Portal Project)
Gaging Station, East Fork Camp 61 Creek at Diversion Dam (Portal Project)
West Fork Camp 61 Creek Diversion (Portal Project)
Gaging Station, West Fork Camp 61 Creek at Diversion Dam (Portal Project)
East and West Fork Camp 61 Creek Diversion Borehole (Portal Project)
Portal Forebay Tunnel Muck Site (Portal Project)
Kaiser Ridge/ Mt. Givens Weather Station
<b>Sampling Sites along Flow Augmented and Bypass Stream Reaches<sup>2</sup></b>
Mono Creek Floodplain RM 2.3-2.8
Mono Creek Floodplain RM 3.5-3.7
South Fork San Joaquin River RM 17.8-18.0
Stevenson Creek Floodplain RM 3.9-4.3
Stevenson Creek Floodplain RM 2.7-3.2
Big Creek Floodplain RM 8.3-8.6
North Fork Stevenson Creek Floodplain RM 1.7-2.4
Meadow 31/ Tombstone Creek Floodplain RM 0.0-0.56
Meadow 20/ Crater Creek Floodplain RM 0.0-0.54
Meadow 26/ South Fork San Joaquin River Floodplain RM 26.1-27.7
Meadow 30/ South Fork San Joaquin River Floodplain RM 26.1-27.7
Meadow 19/ South Fork San Joaquin River Floodplain RM 22.0-24.1
Meadow 16/ South Fork San Joaquin River Floodplain RM 19.9-21.0
Meadow 18/ South Fork San Joaquin River Floodplain RM 19.9-21.0
Meadow 34
Meadow 36
Meadow 28
North Slide Creek
South Slide Creek
Hooper Creek
Mono Creek
Big Creek
Adit 8
<b>Comparison Stream Sampling Sites<sup>2</sup></b>
Stevenson Creek Floodplain RM 8.88-9.2
Coon Creek Floodplain RM 1.0-1.3
Coon Creek Floodplain RM 2.0-2.17
Chiquito Creek Floodplain RM 1.5-2.4



**Appendix B. Elevational List of Project Facilities, Recreational Facilities, Roads and Trails, and Flow Augmented and Bypass Stream Reaches in the Study Area Surveyed in 2003.<sup>1</sup>**

<b>Comparison Stream Sampling Sites<sup>2</sup> (continued)</b>
Saginaw Creek Floodplain RM 2.36-2.55
Tamarack Creek Floodplain RM 1.07-1.91
Boulder Creek Floodplain RM 1.07-1.91
Bear Creek Meadow
Stevenson Creek Meadow
Coon Creek Meadow
South Fork San Joaquin River Meadow (Blayney)
Coon Creek Group 1 RM 1.7-1.77
Mono Creek above Lake Edison

<sup>1</sup>Vegetation mapping for TERR-1, Vegetation Communities, and surveys for TERR-3, Special-status Plant Populations, TERR-2, Invasive/Exotic Plant Species, and TERR-4, Native American Plants were conducted at each of these facilities. Only facilities located lower than 3,000 feet in elevation were surveyed for TERR - 6, Valley Elderberry Longhorn Beetle.

<sup>2</sup>Surveys for special-status, Native American, and invasive/exotic plant species were conducted at selected sampling sites along bypass and flow augmented stream reaches, reference stream reaches, and within meadows as part of the CAWG-11 Riparian Study. For detailed descriptions and maps of the sampling site locations, refer to CAWG-11, Riparian Technical Study Report.

## **APPENDIX C**

### **Project Facilities that Will Not Be Surveyed for Special-status Plant Populations, Invasive/Exotic Plant Species, Native American Plants, and Elderberry Shrubs**

**Appendix C: Project Facilities that Will Not Be Surveyed for Special-status Plant Populations, Invasive/Exotic Plant Species, Native American Plants, and Elderberry Shrubs**

Water Conveyance	Comments
<b>Powerhouse No. 8</b>	
Tunnel No. 8	Entirely underground (per. comm. Mark Newquist (SCE)).
<b>Powerhouse No. 3</b>	
Tunnel No. 3	Entirely underground (per. comm. Mark Newquist (SCE)).
<b>Eastwood Power Station</b>	
Power Tunnel	Entirely underground (per. comm. Mark Newquist (SCE)).
<b>Mammoth Pool Powerhouse</b>	
Mammoth Tunnel	Entirely underground (per. comm. Mark Newquist (SCE)).
<b>Huntington-Pitman-Shaver Conduit</b>	
Diversion Tunnel from Tunnel 7 to Gate 3 (Balsam Meadow Forebay)	Entirely underground (per. comm. Mark Newquist (SCE)).
<b>Hooper</b>	
North Slide Creek Diversion Piping	Entirely underground (per. comm. Mark Newquist (SCE)).
South Slide Creek Diversion Piping	Entirely underground (per. comm. Mark Newquist (SCE)).

**Appendix C: Roads in the Study Area that Will Not Be Surveyed for Special-status Plant Populations, Invasive/Exotic Plant Species, Native American Plants, and Elderberry Shrubs**

	Region/Area	Comments
<b>Roads Outside Project Boundaries: Not SCE controlled</b>		
8S14, Old Dump Road from Huntington Lake Road to Big Creek (the creek)	Big Creek Canyon	No maintenance activities occur on this road.
Huntington Lake Road (2710) from junction with Hwy 168 north of Shaver Lake to junction with Kaiser Pass Road	Huntington Big Creek Canyon	No maintenance activities occur on this road.
Hwy 168 from Camp Edison to junction with Huntington Lake Road	Shaver	No maintenance activities occur on this road.
Access to Shaver Lake Marina	Shaver	No maintenance activities occur on this road.
8S66 from Huntington Lake Road to gate	Huntington	No maintenance activities occur on this road.
Access road to Portal communication line from 5S80 near Kaiser Pass Meadow cabin	Kaiser Ridge	No maintenance activities occur on this road.
Access road to East Fork of Camp 61 Creek gage and to access trail to West Fork of Camp 61 Creek gage	Kaiser Ridge	No maintenance activities occur on this road.
Access road to Portal Forebay low voltage line from 5S80, Kaiser Pass Road	Kaiser Ridge	No maintenance activities occur on this road.
Portal Forebay campground road	Kaiser Ridge	No maintenance activities occur on this road.
5S80, Kaiser Pass Road, from Huntington Lake Road to west end of Vermilion Dam <sup>1</sup>		No maintenance activities occur on this road.
5S80, Kaiser Pass Road, from the west end of Vermilion Dam to High Sierra Pack Station <sup>2</sup>	Kaiser Ridge Edison	No maintenance activities occur on this road.
7S01, Florence Lake Road from 5S80, Kaiser Pass Road to gate near Florence Picnic Area <sup>2</sup>		No maintenance activities occur on this road.
7S370, road between 7S01, Jackass Meadow Campground loops, and access road to Hooper Diversion <sup>2</sup>	Florence	No maintenance activities occur on this road.
6S301, Onion Springs OHV route, High Sierra Pack Station to Warm Creek Diversion access road	Edison	No maintenance activities occur on this road.
6S25, Mammoth Pool Road, from 4S81, Minarets Loop, to 7S20, access to Shake Flat Creek	Mammoth Pool	No maintenance activities occur on this road.
7S20, road from 6S25, between Mammoth Pool Road and trail to Shakeflat Creek gage	Mammoth Pool	No maintenance activities occur on this road.
7S13, Mammoth Pool Campground Loop	Mammoth Pool	No maintenance activities occur on this road.
7S76 from 6S25 to Mammoth Pool Boat Ramp	Mammoth Pool	No maintenance activities occur on this road.
4S81, Minarets Loop from junction with 8S03, access to Mammoth Pool PH, to junction with 6S25, Mammoth Pool Road	Mammoth Pool	No maintenance activities occur on this road.
7S47 and 7S47A, access roads to Rock Creek Diversion from 4S81, Minarets Loop	Mammoth Pool	No maintenance activities occur on this road.
8S03, access to Mammoth Pool PH from 4S81, Minarets Loop	Mammoth Pool	No maintenance activities occur on this road.
Access road to Warm Creek Diversion from 6S301, Onion Springs OHV route	Edison	No maintenance activities occur on this road.
Access roads to Vermilion Outlet Works, Mono Creek Gage, and leakage weirs below Vermilion Dam	Edison	No maintenance activities occur on this road.

**Notes:**

<sup>1</sup>Three segments of Kaiser Pass Road south of Portal Forebay are located inside of Project

<sup>2</sup>Portions of road are located within Project boundary.

## **APPENDIX D**

### **Vegetation Communities and Wildlife Habitat Mapping**

**Placeholder for Appendix D**  
**Non-Internet Public Information**  
**Electronic Format Only [Interactive CD-ROM]**

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