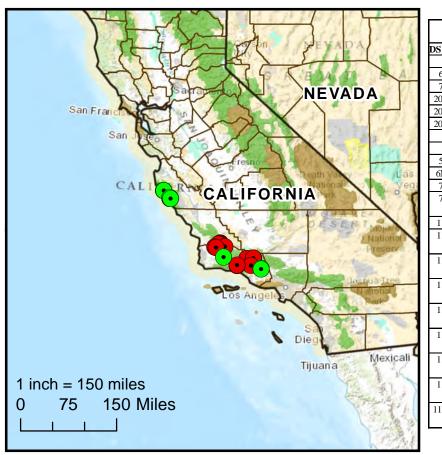
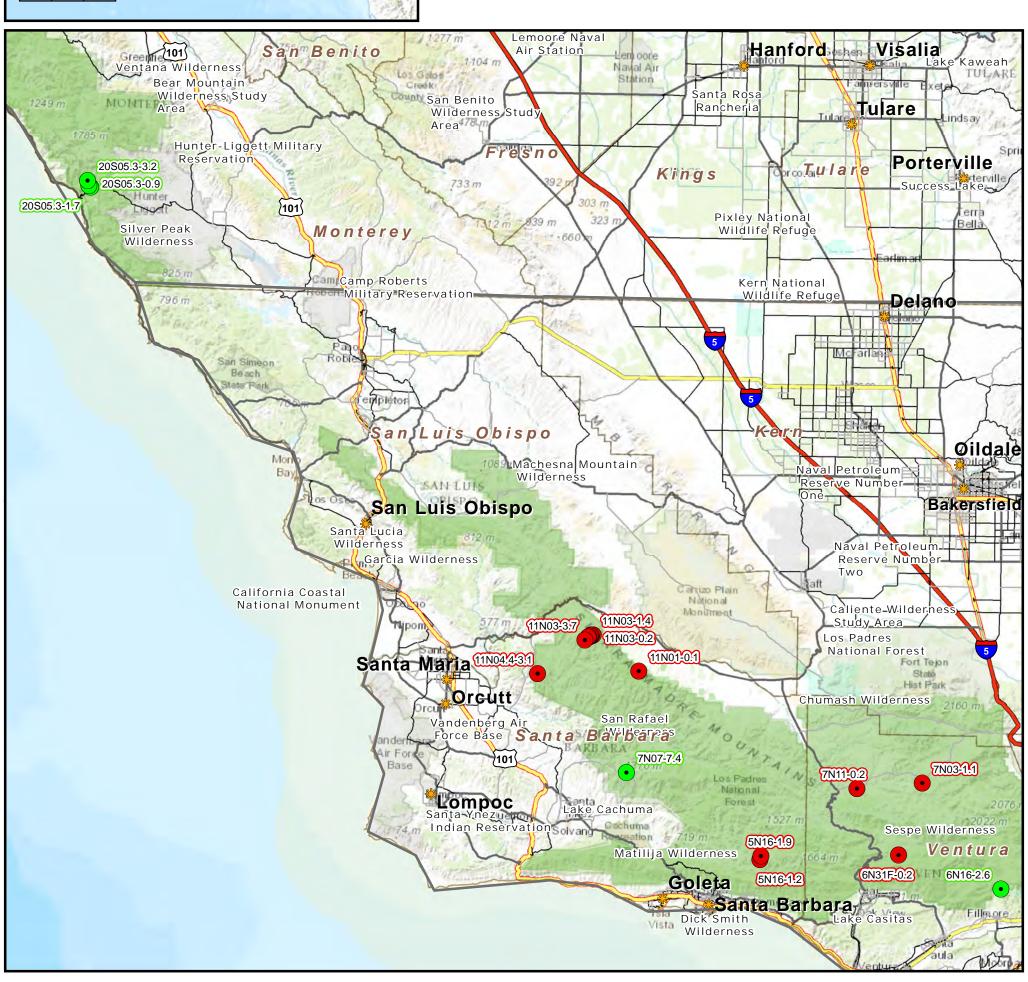
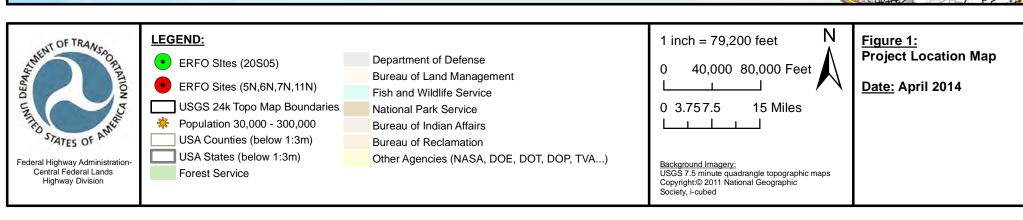
Los Padres National Forest Road Repair Project





Project: CA ERFO 5N,5N,7N,11N and 20S05 Los Padre National Forest, Various Sites							
DSR Number	Road Name	Longitude	Latitude	7.5 Quad	PLSS	County	Figure Number
ERFO Sites (20S05)							
6N16-2.6	Squaw Flat Rd	-118.9053632958920	34.4664578765112	Fillmore, CA	S6, T4N, R19W	Ventura	2
7N07-7.4	Figueroa Mtn Rd	-119.9362519884430	34.7195845478174	Figueroa Mtn, CA	S4, T22S, R5E	Santa Barbara	3
20S05.3-0.9	Central Coast Rd	-121.4611835336510	36.1292702233510	Cone Peak, CA	T22S, R5E	Monterey	4
20S05.3-1.7	Central Coast Rd	-121.4665357644930	36.1585245289060	Cone Peak, CA	T22S, R5E	Monterey	5
20S05.3-3.2	Central Coast Rd	-121.4705352699270	36.2727166648110	Cone Peak, CA	T22S, R5E	Monterey	6
ERFO Sites (5N,6N,7N,11N)							
5N16-1.2	Big Caliente RD	-119.5660656217810	34.5267564355859	Hildreth, Peak, CA	S12, T5N, R26W	Santa Barbara	7
6N31F-0.2	Rose Lake	-119.1870697829240	34.5417712615079	Lion Canyon, CA	S4, T5N, R22W	Ventura	8
7N11-0.2	Reyes Creek	-119.3031941430440	34.6909611716990	Reyes Peak, CA	S22, T7N, R23W	Ventura	9
7N03-1.1	Mutau Road	-119.1240686624470	34.7050382029985	Lockwood Valley,	S17, T7N, R21W	Ventura	
		-119.1240000024470	34.7030382029983	CA			10
11N01-0.1	Bates Canyon	-119.9080385842960	34.9491774058071	Bates Canyon, CA	S1, T10N, R28W	Santa Barbara	11
11N03-0.2	Miranda Pines	-120.0347106906560	35.0288463845051	Miranda Pine Mtn,	S15, T11N, R30W	Santa Barbara	
		-120.034/100900300	33.0286403643031	CA			12
11N03-1.2	Miranda Pines	-120.0399601294300	35.0271666966697	Miranda Pine Mtn,	S16, T11N, R30W	Santa Barbara	
			33.0271000900097	CA			13
11N03-1.4	Miranda Pines	-120.0408928777770	35.0292327099514	Miranda Pine Mtn,	S16, T11N, R30W	Santa Barbara	
		-120.0408928777770	33.0292327099314	CA			14
11N03-1.6	Miranda Pines	-120.0436574256900	35.0269899793286	Miranda Pine Mtn,	S16, T11N, R30W	Santa Barbara	
			33.0209899193280	CA			15
11N03-2.1	Miranda Pines	-120.0476537756520	35.0247136809842	Miranda Pine Mtn,	S16, T11N, R30W	Santa Barbara	
		-120.0470337730320	33.0247130007042	CA			16
11N03-2.2	Miranda Pines	-120.0487578008520	35.0244986960718	Miranda Pine Mtn,	S16, T11N, R30W	Santa Barbara	
				CA			16
11N03-3.7	Miranda Pines	-120.0573063760150	35.0178415873623	Miranda Pine Mtn,	S20, T11N, R30W	Santa Barbara	
		-120.0373003700130	55.0170415075025	CA			17
11N04.4-3.1	Colson Cnyn Rd	-120.1857993190580	34.9386368277002	Tepusquet Canyon,	S18, T10N, R31W	Santa Barbara	
		-120.103/773170300	54.930030041/002	CA			18







Site 6N16 – 2.6 is located on an ephemeral drainage of Fourfork Creek, which is a tributary of Little Sespe Creek. Fourfork Creek was dry at the time of the 31 October 2011 site visit, but it was evident that high flows occur during large storms due to the amount of scour and sediment deposition. The culvert under Squaw Flat Road was plugged with debris. The stream channel is mostly devoid of vegetation, and has a few scattered mulefat shrubs and coastal scrub upland habitat.





LEGEND:

Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland
Freshwater Pond
Lake
Other
Riverine

1 inch = 100 feet

0 55 110 Feet

00.00\( \text{05009} \) 0.018 Miles

Background Imagery:
USGS 7.5 minute quadrangle topographic maps
Copyright:© 2011 National Geographic

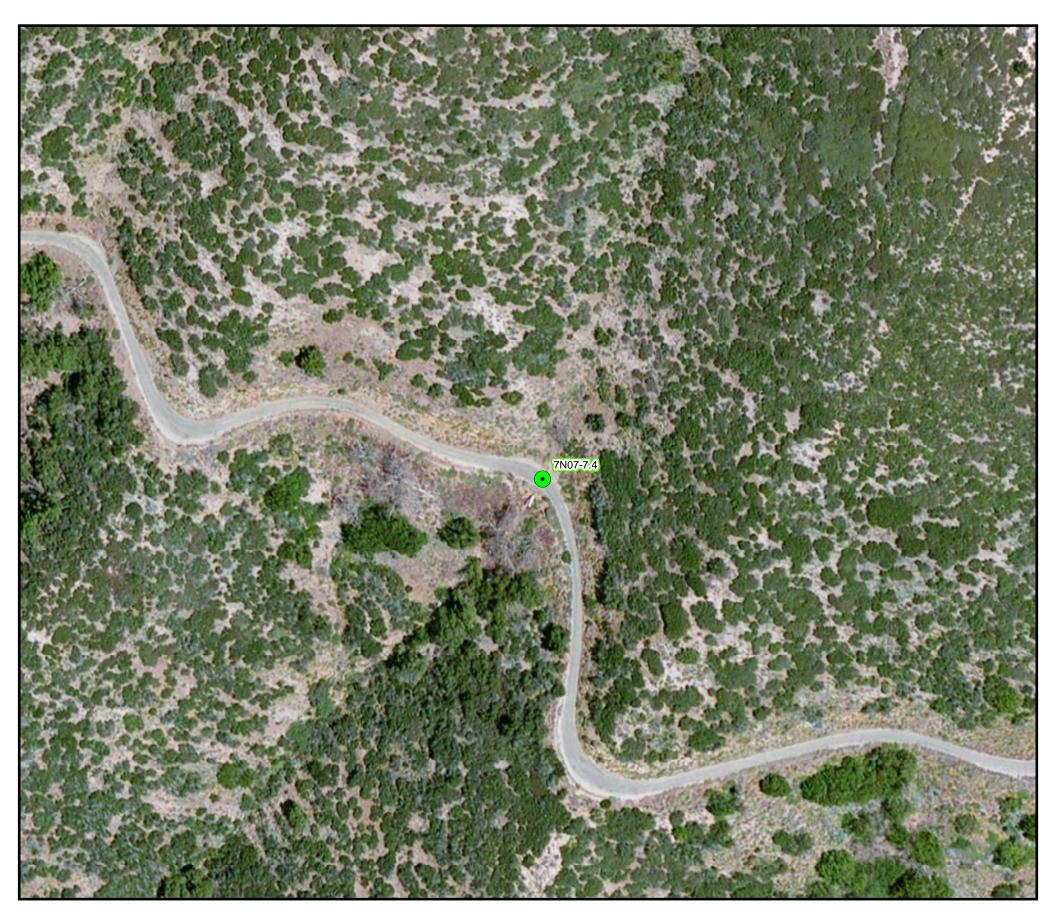
Society, i-cubed

Figure 2: ERFO Site 6N16-2.6 Date: April 2014 Ventura County, CA





Site 7N07-7.4 is located on a drainage that was dry at the time of the October 2011 site visit. However, large sycamores in the drainage indicate the presence of subsurface moisture. No other wetland plants were present. The stream lacked pools and an Ordinary High Water Mark. The drainage is an unnamed tributary to Lion Canyon, which flows into Cachuma Creek. The surrounding hillsides were steep and vegetated by chaparral.





# LEGEND:

• ERFO Sites (20S05)

CA\_Flowlines

# Wetlands

# **WETLANDS**

≡ Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

☐ Lake

Riverine

Other

1 inch = 100 feet

Society, i-cubed

0 50 100 Feet

0.00425085 0.017 Miles

Background Imagery:
USGS 7.5 minute quadrangle topographic maps
Copyright:© 2011 National Geographic

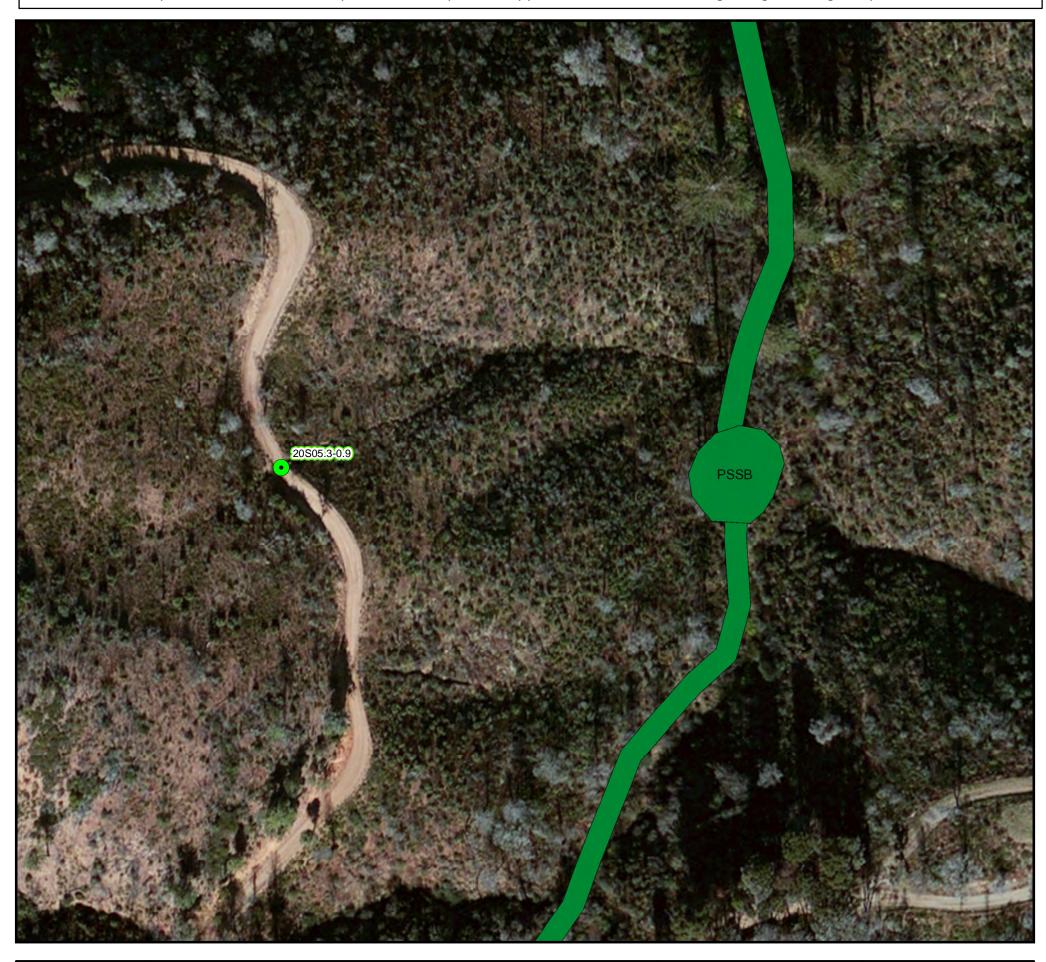
Figure 3: ERFO Site 7N07-7.4

Date: April 2014





Site 20S05.3-0.9 was burned in the 2008 Chalk Fire, and most of the understory vegetation and the lower parts of burned trees have since densely regrown. The habitat is mixed pine/oak woodland and chaparral. There is sparse canopy cover from trees that are regrowing, and snags are present.





# LEGEND:

• ERFO Sites (20S05)

CA\_Flowlines

Wetlands

# **WETLANDS**

≡ Estuarine and Marine Deepwater 
 ≡ Other

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

□ Lake

Riverine

1 inch = 100 feet

50 100 Feet

**0**.004205085 0.017 Miles

Background Imagery: USGS 7.5 minute quadrangle topographic maps Copyright:© 2011 National Geographic Society, i-cubed

Figure 4: ERFO Site 20S05.3-0.9

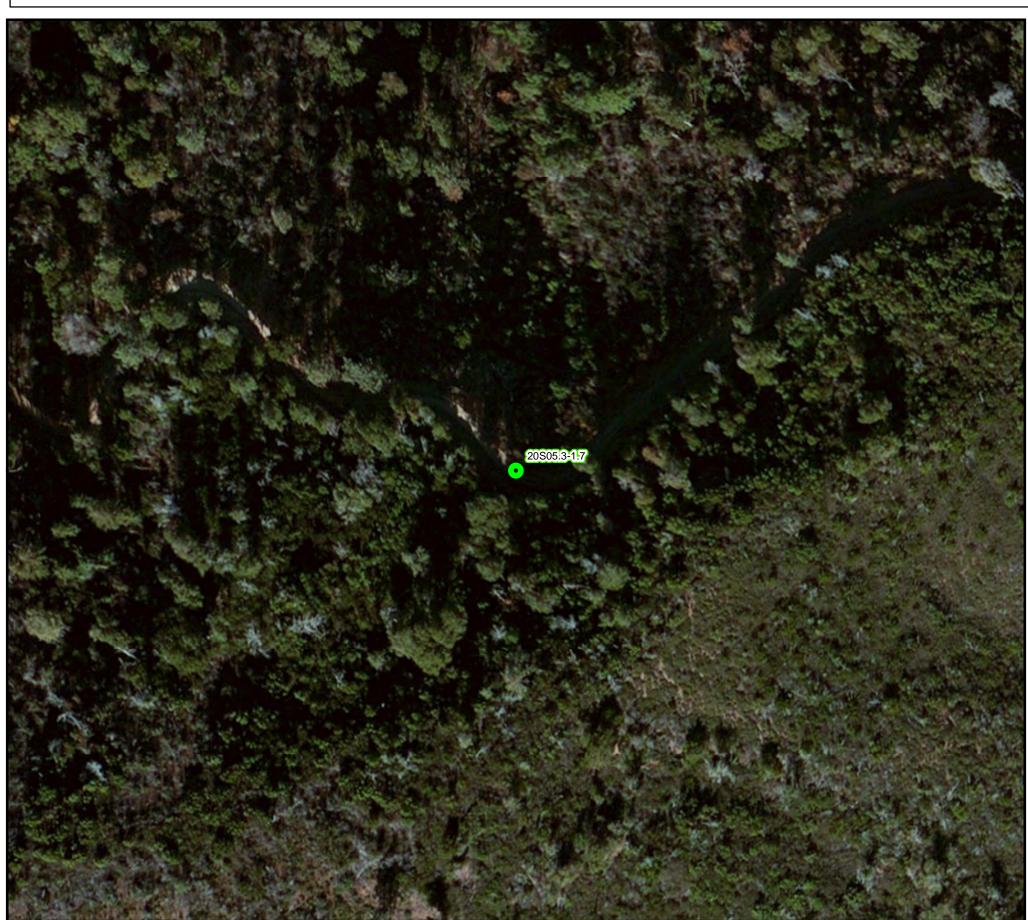
Date: April 2014

**Monterey County, CA** 





Site 20S05.3 – 1.7 has a seep on the hillside that drips into a small pool on the side of the road that is a few inches deep. Wetland plants are located around the seep. The other sites are entirely in upland habitats.





# LEGEND:

• ERFO Sites (20S05)

CA\_Flowlines

Wetlands

**WETLANDS** 

≡ Estuarine and Marine Deepwater 
 ≡ Other

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

■ Lake

Riverine

**0**.004205085 0.017 Miles

100 Feet

1 inch = 100 feet

50

Background Imagery: USGS 7.5 minute quadrangle topographic maps Copyright:© 2011 National Geographic Society, i-cubed

Figure 5: ERFO Site 20S05.3-1.7

Date: April 2014

**Monterey County, CA** 





Looking North at roadway. Retaining wall repair is down slope on left side of picture.

Site 11N04.4-3.1 includes a work area of approximately 772 linear feet, and encompasses one culvert on Colson Canyon, a culvert on a tributary, and a retaining wall on a tributary at the confluence of Colson Canyon. The work area is within riparian habitat with the exception of the inlet side of the uppermost culvert, which is in a disturbed grassland that is used for recreational target shooting. There is a seep that surfaces along the edge of the road and runs down the road, entering the canyon at the location of the proposed retaining wall. The stream is perennial within the work area during most years, but dries up in the summer both up- and downstream from this area. The project site was visited on 18 October 2011, which was during an extended dry period, and water was present in the mainstem. Pools on either end of the lowermost culvert had water depth in excess of 1 foot, and there was dense cover by cattails, overhanging willows and other herbaceous vegetation. The two tributaries within the work area are ephemeral.





ERFO Sites (5N,6N,7N,11N)

CA\_Flowlines

# Wetlands

**LEGEND:** 

**WETLANDS** 

- ≡ Estuarine and Marine Deepwater 
   ≡ Other
- Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Riverine

1 inch = 100 feet 100 Feet 0.01 0.02 Miles

Society, i-cubed

County, CA Background Imagery:
USGS 7.5 minute quadrangle topographic maps
Copyright:© 2011 National Geographic

Figure 18 ERFO Site 11N04-3.1

Date: April 2014

Santa Barbara





Site 11N03 – 3.7 is at a crossing of an intermittent stream that has been channeled into a culvert. It is an unnamed tributary of Kerry Canyon. During the November 2011 site reconnaissance survey, water was standing in shallow pools. Mulefat, willow, and dried algae were present in the drainage bottom, and the surrounding habitat was mixed oak woodland. Cattle grazing has resulted in eroded stream banks.





# LEGEND:

● ERFO Sites (5N,6N,7N,11N)

--- CA\_Flowlines

Wetlands

# **WETLANDS**

Estuarine and Marine Deepwater Other

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

OtherRiverine

1 inch = 100 feet

0 50 100 Feet

0 0.01 0.02 Miles

Society, i-cubed

Background Imagery:
USGS 7.5 minute quadrangle topographic maps
Copyright:© 2011 National Geographic

Figure 17: ERFO Site 11N03-3.7

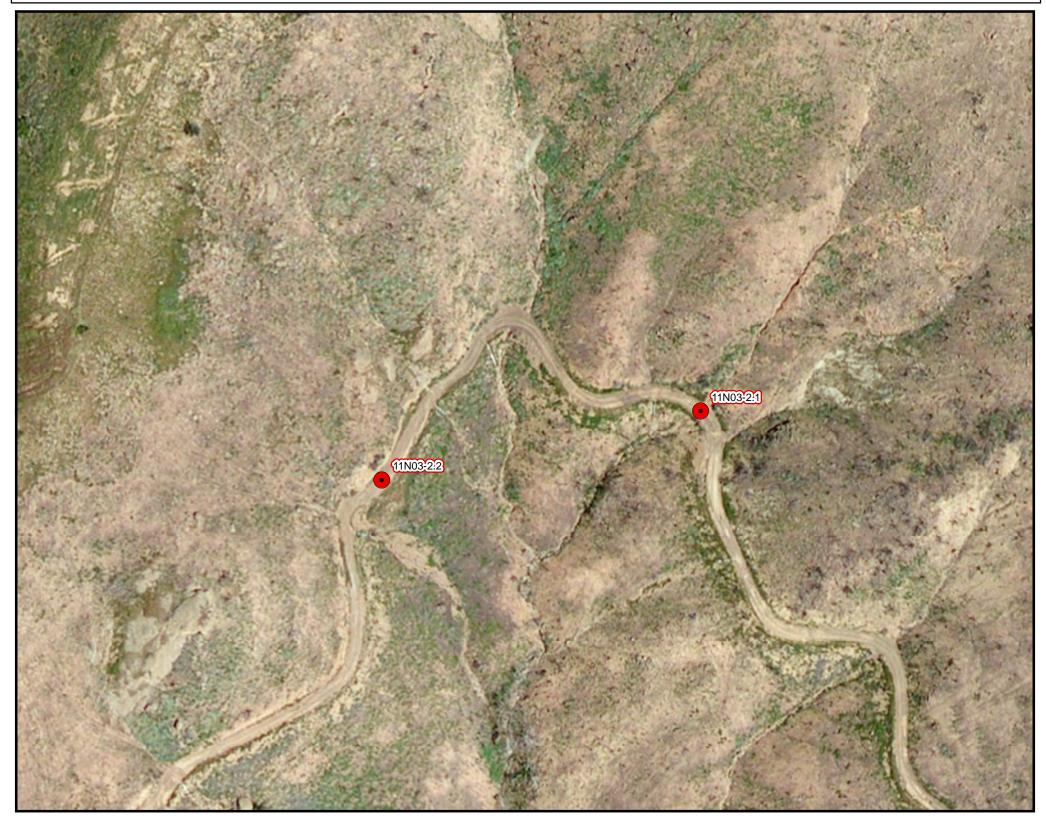
Date: April 2014





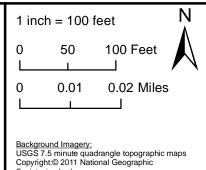
Site 11N03 - 2.1 is located on a small ephemeral drainage. The stream crosses the road without being channeled into a culvert. On the upstream side of the road, the drainages are vegetated by upland species, consisting of non-native grassland and small burned shrubs. On the downstream side of the road, the drainage has western sycamore and mulefat and scour marks from prior water flows.

Site 11N03 – 2.2 had an overside drain installed into the berm, but it was not in line with the drainage crossing. Two small, dry drainages empty onto the road surface and it appeared that runoff flows down the road 30 to 40 feet before exiting through the overside drain that had washed out. On the upstream side of the road, the drainages are vegetated by upland species, consisting of non-native grassland and small burned shrubs. On the downstream side of the road, the drainage has western sycamore and mulefat and scour marks from prior water flows.





### 



Society, i-cubed

Figure 16: ERFO Sites 11N03-2.1 and 11N03-2.2 Date: April 2014



Sites 11N03 –1.6 is located on a small ephemeral drainage. The stream crosses the road without being channeled into a culvert. Site 11N03–1.6 had sedge, willows, cattails and mulefat upstream of the road crossing and upland habitat (non-native grassland and chaparral) on the downstream side.





# LEGEND:

ERFO Sites (5N,6N,7N,11N)

CA\_Flowlines

Wetlands

**WETLANDS** 

≡ Estuarine and Marine Deepwater 
 ≡ Other

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Background Imagery: USGS 7.5 minute quadrangle topographic maps Copyright:© 2011 National Geographic Riverine

1 inch = 100 feet 100 Feet

0.02 Miles 0.01

Society, i-cubed

Date: April 2014 Santa Barbara

ERFO Site 11N03-1.6

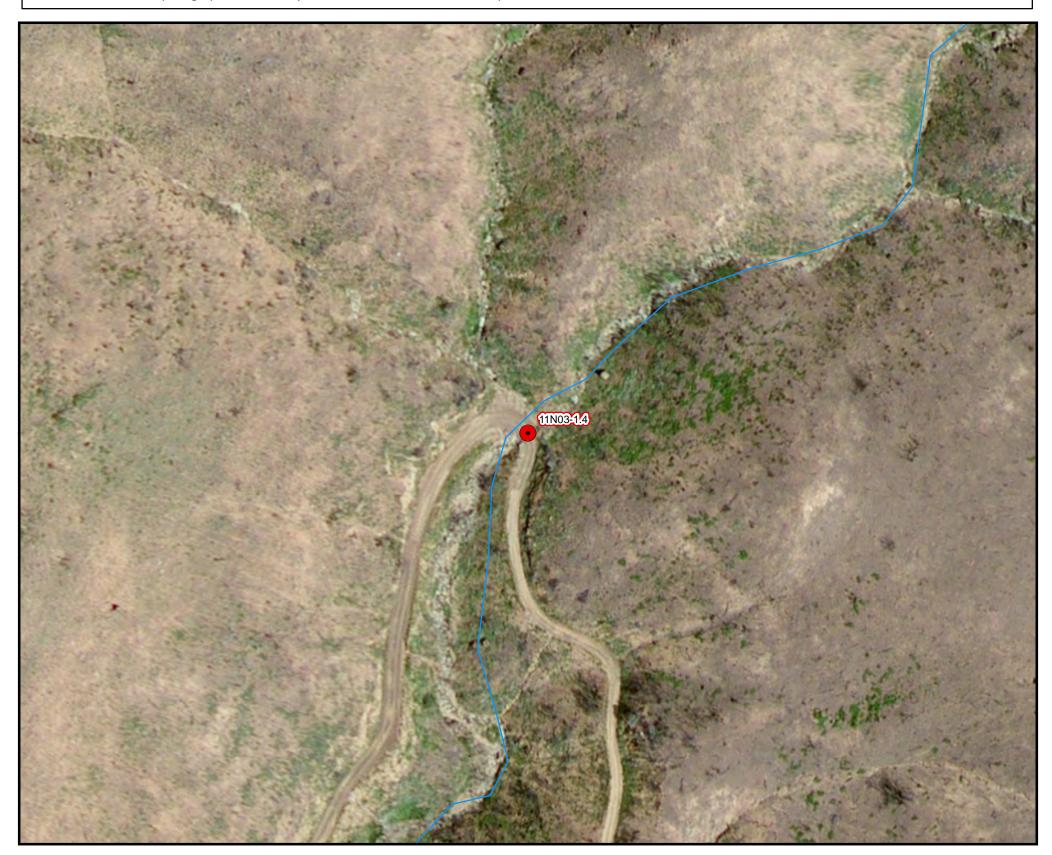
County, CA

Figure 15:





Site 11N03 – 1.4 is a crossing of upper Kerry Canyon. The flows cross the road, and native rock from the stream was used to armor the road surface and create rip rap on the slopes. Two drainages meet on the road surface. During the November 2011 site visit, water was flowing in the larger drainage just upstream from the road, but it disappeared into fine sediments probably deposited after the fire and the Kerry Canyon on the downstream side was dry. Riparian and wetland plants were present on the upstream side, such as willows, western sycamore, seep spring monkeyflower, rabbitsfoot grass, curly dock, and dried algae. The downstream side had scattered large sycamores. Immediately downhill from the creek crossing is an area where the road fill is sliding into the stream channel. The slope was oversteepened, unvegetated, and comprised of loose soil. When the stream would be flowing, it appeared that there would be plunge pools but they would be less than 2 feet deep.





# LEGEND:

• ERFO Sites (5N,6N,7N,11N)

— CA\_Flowlines

Wetlands

**WETLANDS** 

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Treebweter Dand

Freshwater Pond

Lake
Other

Riverine

1 inch = 100 feet

0 50 100 Feet

0 0.01 0.02 Miles

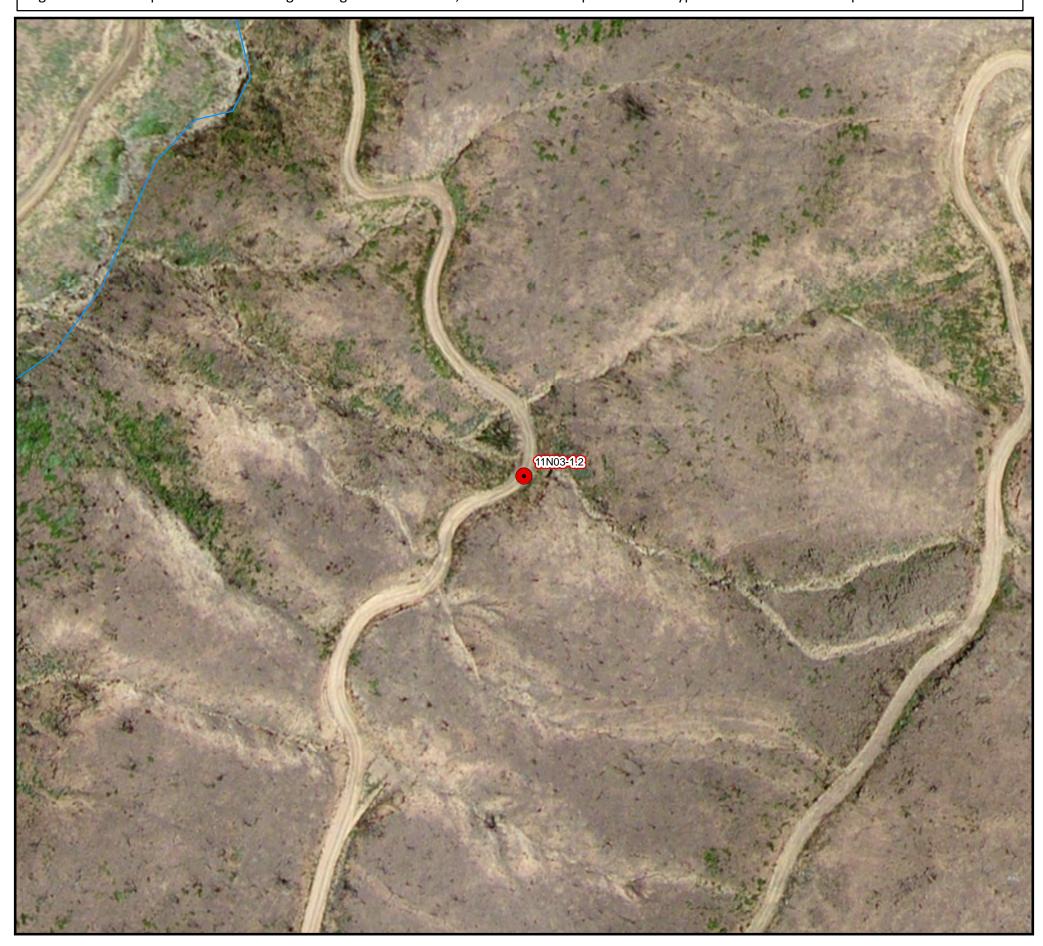
Background Imagery:
USGS 7.5 minute quadrangle topographic maps
Copyright:© 2011 National Geographic
Society, i-cubed

Figure 14: ERFO Site 11N03-1.4

Date: April 2014



Sites 11N03 –1.2 is located on a small ephemeral drainage. The stream crosses the road without being channeled into a culvert. Wetland or riparian vegetation was not present in the drainage during the last site visit, and consisted of upland habitat types such as scrub oak chaparral and coast live oak.





# LEGEND:

• ERFO Sites (5N,6N,7N,11N)

CA\_Flowlines

Wetlands

# WETLANDS

Estuarine and Marine Deepwater Other

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

■ Lake

OtherRiverine

Background Imagery: USGS 7.5 minute quadrangle topographic maps Copyright:© 2011 National Geographic Society, i-cubed Figure 13: ERFO Site 11N03-1.2

Date: April 2014

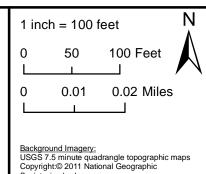


Sites 11N03 –0.2 is located on a small ephemeral drainage. The stream crosses the road without being channeled into a culvert. Wetland or riparian vegetation was not present in the drainage during the last site visit, and consisted of upland habitat types such as scrub oak chaparral and coast live oak.





# LEGEND: ● ERFO Sites (5N,6N,7N,11N) ☐ Freshwater Emergent Wetland — CA\_Flowlines ☐ Freshwater Forested/Shrub Wetland Wetlands ☐ Freshwater Pond WETLANDS ☐ Lake ☐ Estuarine and Marine Deepwater ☐ Other ☐ Estuarine and Marine Wetland ☐ Riverine



Society, i-cubed

Figure 12: ERFO Site 11N03-0.2 Date: April 2014 Santa Barbara County, CA



Site 11N01 – 0.1 was on an ephemeral tributary to Bates Canyon. The channel was dry, rocky, and about 25 feet wide. The overstory trees were killed in the Zaca Fire, and the understory shrubs were regrowing. The vegetation consisted of California bay, live oak, and bigleaf maple.





# LEGEND:

• ERFO Sites (5N,6N,7N,11N)

— CA\_Flowlines

Wetlands

# WETLANDS

Estuarine and Marine Deepwater Other

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Riverine

1 inch = 100 feet

0 50 100 Feet

0 0.01 0.02 Miles

Background Imagery:
USGS 7.5 minute quadrangle topographic maps
Copyright:© 2011 National Geographic
Society, i-cubed

Figure 11: ERFO Site 11N01-0.1

Date: April 2014

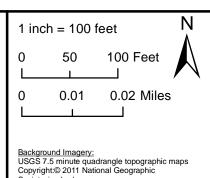


At Site 7N03 – 1.1, an unnamed tributary to Lockwood Creek passes through Site 7N03 – 1.1, and is just downslope from Site 7N03 – 1.0. The soils are Lockwood Valley Clay, which is greenish in color and sparsely vegetated. The area burned in the 2006 Day Fire, killing many of the tall pine trees. The slide is vegetated by rabbitbrush and grasses. Pinyon pine and scrub oak were located nearby, and there were scattered small willows beside the stream channel. No water was present in the channel at the time of December 2011 and January 2013 site visits. The substrate in the streambed was rock and cobble, and the slope was relatively high and lacked pools.





# LEGEND: ● ERFO Sites (5N,6N,7N,11N) ☐ Freshwater Emergent Wetland — CA\_Flowlines ☐ Freshwater Forested/Shrub Wetland Wetlands ☐ Freshwater Pond WETLANDS ☐ Lake ☐ Estuarine and Marine Deepwater ☐ Other ☐ Estuarine and Marine Wetland ☐ Riverine

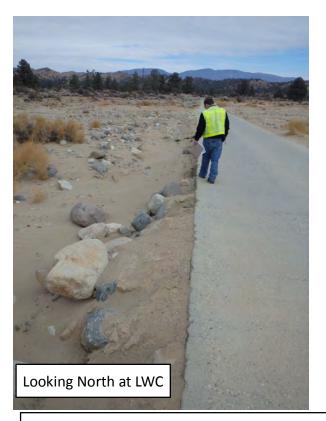


Society, i-cubed

Figure 10
ERFO Site 7N03-1.1

Date: April 2014

Ventura County, CA

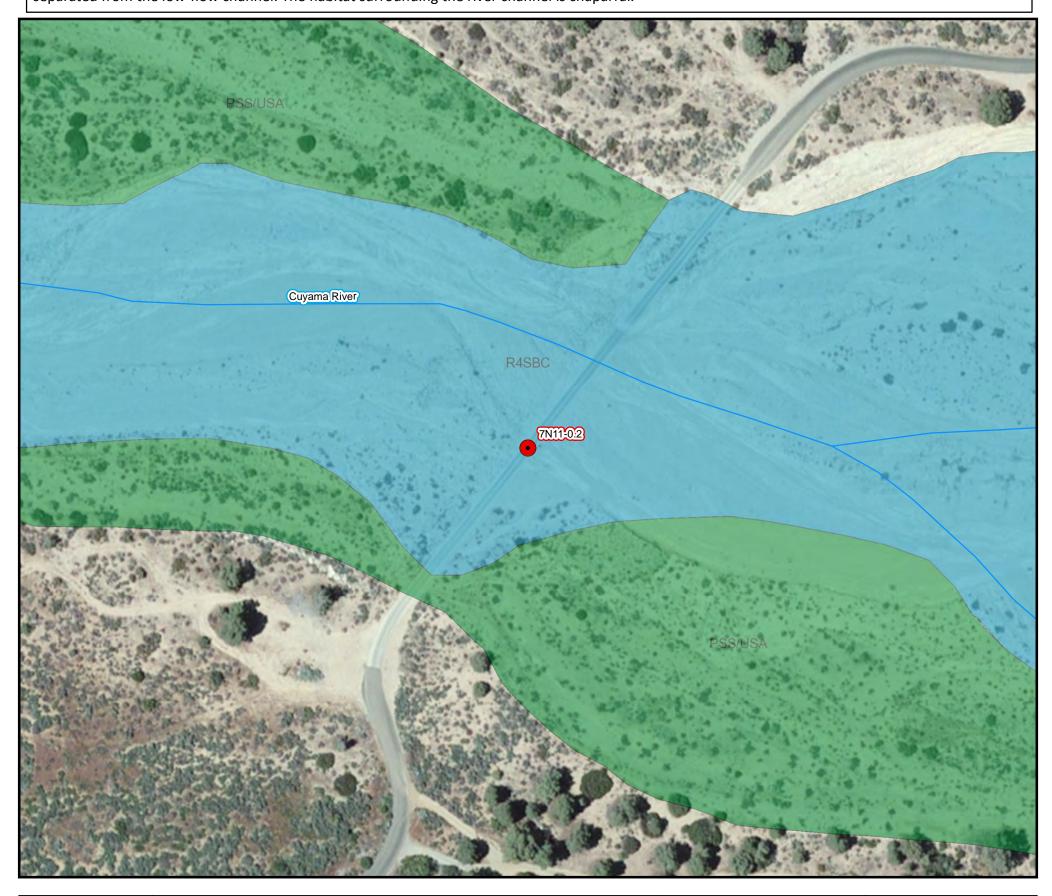






Looking at scour on downstream side of LWC

Site 7N11 – 0.2: This site is in the MPRD, Ventura County, in the uppermost reach of the Cuyama River in an area known as Ozena. The site is located 1.2 miles upstream from the confluence with Reyes Creek. Reyes Creek Road is paved and provides access to the privately owned Camp Sheideck and Reyes Creek Bar and Grill, as well as Reyes Creek Campground and forest service hiking trails. The river flows only during and for a short time following storms. The riverbed is sand/silt with rocks, and is vegetated only by scattered rabbitbrush. The area in which the work will be done is in an alternate channel separated from the low-flow channel. The habitat surrounding the river channel is chaparral.





# LEGEND:

• ERFO Sites (5N,6N,7N,11N)

CA\_Flowlines

Wetlands

# **WETLANDS**

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

OtherRiverine

1 inch = 100 feet

0 50 100 Feet

0 0.01 0.02 Miles

Background Imagery:
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Figure 9: ERFO Site 7N11-0.2

Date: April 2014

Ventura County, CA





Site 6N31F – 0.2 is located on Lower Rose Valley Lake. The project area is a concrete spillway at the outlet side of the lake that also serves as a low water road crossing. The lake has a few areas with bare shore that are used for recreation, and most of the perimeter is vegetated by bulrushes, cattails, and willows. Submergent vegetation and algae fill most of the lake, especially during times of low water. Rose Valley Creek dries up during the summer of most years both up- and downstream of the lake. In the channel downstream of the project site, the substrate is rocky and there is sparse cover by riparian shrubs such as mulefat.





# LEGEND:

ERFO Sites (5N,6N,7N,11N)

CA\_Flowlines

Wetlands

# **WETLANDS**

- Estuarine and Marine Wetland
- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other Riverine

Background Imagery:
USGS 7.5 minute quadrangle topographic maps
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1 inch = 100 feet

100 Feet 0.01 0.02 Miles ERFO Site 6N31F-0.2 Date: April 2014 **Ventura County, CA** 

Figure 8:





Site 5N16 – 1.2 consists of a culvert on an ephemeral tributary in which the outfall end of the culverts lies within the Agua Caliente Creek stream channel at the confluence of these two streams. Willows were present at the washed out end of the culvert, and thus the work would be conducted within the riparian habitat.





# **LEGEND:**

CA\_Flowlines

# Wetlands

# **WETLANDS**

- ≡ Estuarine and Marine Deepwater 
   ≡ Other
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine

1 inch = 100 feet

100 Feet 50

0.004205085 0.017 Miles

Background Imagery: USGS 7.5 minute quadrangle topographic maps Copyright:© 2011 National Geographic Society, i-cubed

Figure 7: ERFO Site 5N16-1.2

Date: April 2014

Ν







Site 20S05.3-3.2 was burned in the 2008 Chalk Fire, and most of the understory vegetation and the lower parts of burned trees have since densely regrown. The habitat is mixed pine/oak woodland and chaparral. There is sparse canopy cover from trees that are regrowing, and snags are present.

This culvert crosses a potential tributary\* to a water of the U.S. in work area.

The NWI show a PSS wetland at this area but photos of site don't appear to show wetland vegetation in this area.

\*defined bed, bank, and ordinary high water mark





# LEGEND:

• ERFO Sites (20S05)

CA\_Flowlines

Wetlands

# **WETLANDS**

- ≡ Estuarine and Marine Deepwater 
   □ Other
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine

1 inch = 100 feet

0 55 110 Feet

00.00**0**5009 0.018 Miles

Background Imagery:
USGS 7.5 minute quadrangle topographic maps
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<u>Figure 6:</u> ERFO Site 20S05.3-3.2

**Date:** April 2014

Monterey County, CA