

Willow Flycatcher Survey and Detection Form (revised April, 2004)

Site Name Devils Canyon / Silverwood Lake State CA County San Bernardino
 USGS Quad Name San Bernardino North Elevation 3200 ~~4400~~ feet/meters (circle one)
Silverwood

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? ☐ Yes ☐ No

Site Coordinates: Start: N _____ E _____ UTM Datum _____ (NAD27 preferred)
 Stop: N _____ E _____ UTM _____ Zone _____

**** Fill in additional site information on back of this page ****

Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found ? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign, If Yes, Describe Y or N	Comments about this survey (e.g., bird behavior, evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
1 Jason Berkley Adam Lockyer	Date 5-22-17 Start 0700 Stop 1100 Total hrs 4.0	0	0	0	N 0	N 0	N 0	
2 Jason Berkley Aaron Newton	Date 6-6-17 Start 0600 Stop 1030 Total hrs 4.5	1	0	0	N 0	N 0	N 0	
3 Jason Berkley Adam Lockyer	Date 6-19-17 Start 0615 Stop 1030 Total hrs 4.25	0	0	0	N 0	N 0	N 0	
4 Jason Berkley Aaron Newton	Date 6-29-17 Start 0630 Stop 1015 Total hrs 3.75	0	0	0	N 0	N 0	N 0	
5 Jason Berkley Adam Lockyer	Date 7-11-17 Start 0630 Stop 1015 Total hrs 3.75	0	0	0	N 0	N 0	N 0	
Overall Site Summary (Total resident WIFLs only)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes No If yes, report color combination(s) in the comments section on back of form		
Total survey hrs 20.25		1	0	0	N			

Reporting Individual Jason Berkley Date Report Completed 9-1-17
 US Fish and Wildlife Service Permit # TE-09015-4 AZ Game and Fish Department (or other state) Permit # _____

Submit original form by August 1st. Retain a copy for your records.

Fill in the following information completely. Submit original form by August 1st. Retain a copy for your records.

Reporting Individual Jason Benkley Phone # 714) 493-1120
Affiliation Cereus Environmental E-mail jbenkley@cereusenvironmental.com
Site Name Devils Canyon / Silverwood Lake Date Report Completed 9-1-17

Did you verify that this site name is consistent with that used in previous years? Yes / ☒ No (circle one)

If name is different, what name(s) was used in the past? _____

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.

Did you survey the same general area during each visit to this site this year? ☒ Yes / No If no, summarize in comments below.

Management Authority for Survey Area (circle one):

☒ Federal ☐ Municipal/County ☒ State ☐ Tribal ☐ Private
Name of Management Entity or Owner (e.g., Tonto National Forest) State Parks, San Bernardino National Forest

Length of area surveyed: 2 mi (specify units, e.g., miles = mi, kilometers = km, meters = m)

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

☒ Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)

☐ Mixed native and exotic plants (mostly native)

☐ Mixed native and exotic plants (mostly exotic)

☐ Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Black willow, White alder, madroño

Average height of canopy (Do not put a range): 3 m (specify units)

Was surface water or saturated soil present at or adjacent to site? ☒ Yes / No (circle one)

Distance from the site to surface water or saturated soil: 0-20 ft (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes / ☒ No (circle one)

If yes, describe in comments section below.

Remember to attach a copy of a USGS quad/topographical map (REQUIRED) of the survey area, outlining the survey site and location of WIFL detections. Also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map. Please include photos of the interior of the patch, exterior of the patch, and overall site and describe any unique habitat features.

Comments (attach additional sheets if necessary)

WIFL Detection Locations:

Date Detected	N UTM	E UTM	Date Detected	N UTM	E UTM
6-6-17	469070	379400			
	469180	3795011			

Survey Report ESA Listed Bird Species, Southwestern Willow Flycatcher
and Least Bell's Vireo Habitat Evaluations
Devil Canyon Project Relicensing

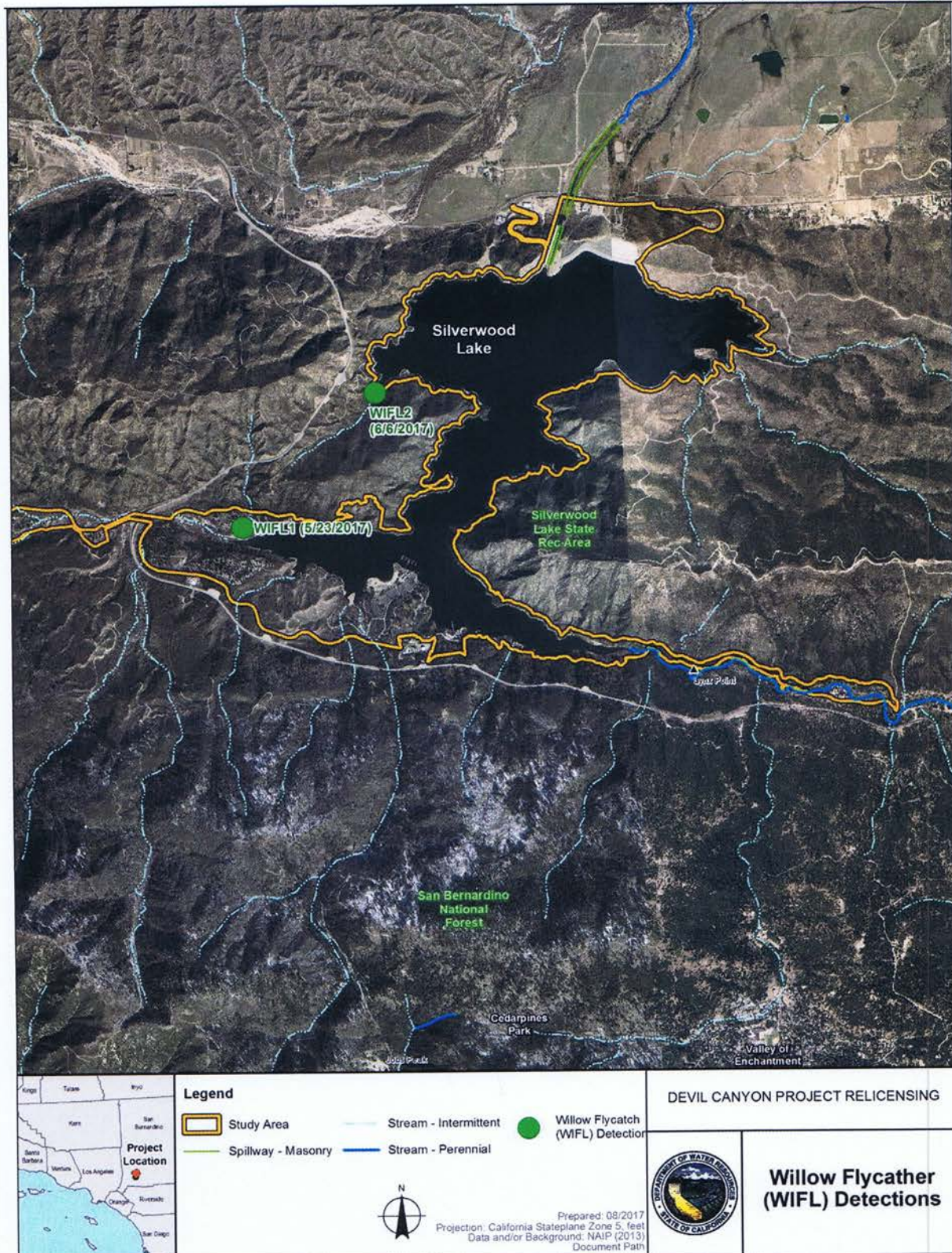


Figure 4. Locations of Migrant Willow Flycatcher Detections.

Willow Flycatcher Survey and Detection Form (revised April, 2004)

Site Name Devils Canyon / Silverwood Lake State CA County San Bernardino
 USGS Quad Name Silverwood / San Bernardino Elevation 3200 / 1900 feet / meters (circle one)
North

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? ☐ Yes ☐ No

Site Coordinates: Start: N _____ E _____ UTM Datum _____ (NAD27 preferred)
 Stop: N _____ E _____ UTM _____ Zone _____

**** Fill in additional site information on back of this page ****

Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found ? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign, If Yes, Describe Y or N	Comments about this survey (e.g., bird behavior, evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
1 <u>Jason Berkley</u> <u>Adam Lockyer</u>	Date <u>5-23-17</u> Start <u>0600</u> Stop <u>1030</u> Total hrs <u>4.5</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>N</u>	
2 <u>Jason Berkley</u> <u>Aaron Newton</u>	Date <u>6-7-17</u> Start <u>0530</u> Stop <u>1000</u> Total hrs <u>4.5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>N</u>	
3 <u>Jason Berkley</u> <u>Adam Lockyer</u>	Date <u>6-20-17</u> Start <u>0530</u> Stop <u>0905</u> Total hrs <u>3.5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>N</u>	
4 <u>Jason Berkley</u> <u>Aaron Newton</u>	Date <u>6-30-17</u> Start <u>0530</u> Stop <u>0930</u> Total hrs <u>4.0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>N</u>	
5 <u>Jason Berkley</u> <u>Adam Lockyer</u>	Date <u>7-12-17</u> Start <u>0530</u> Stop <u>0915</u> Total hrs <u>3.75</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>N</u>	
Overall Site Summary (Total resident WIFLs only)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes No If yes, report color combination(s) in the comments section on back of form		
Total survey hrs <u>20.25</u>		<u>1</u>	<u>0</u>	<u>0</u>	<u>N</u>			

Reporting Individual Jason Berkley Date Report Completed 9-1-17
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If name is different, what name(s) was used in the past? _____

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.

Did you survey the same general area during each visit to this site this year? Yes / No If no, summarize in comments below.

Management Authority for Survey Area (circle one): Federal Municipal/County State Tribal Private

Name of Management Entity or Owner (e.g., Tonto National Forest) _____

Length of area surveyed: 1 mi (specify units, e.g., miles = mi, kilometers = km, meters = m)

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

☒ Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)

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☐ Mixed native and exotic plants (mostly exotic)

☐ Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Mulohat, white alder, Black willow

Average height of canopy (Do not put a range): 3 m (specify units)

Was surface water or saturated soil present at or adjacent to site? Yes / No (circle one)

Distance from the site to surface water or saturated soil: 0-20 ft (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes / No (circle one)

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Comments (attach additional sheets if necessary)

WIFL Detection Locations:

Date Detected	N UTM	E UTM	Date Detected	N UTM	E UTM
<u>9-5-23-17</u>	<u>468070</u>	<u>3794002</u>			
	<u>469180</u>	<u>3794002</u>			
	<u>468070</u>				

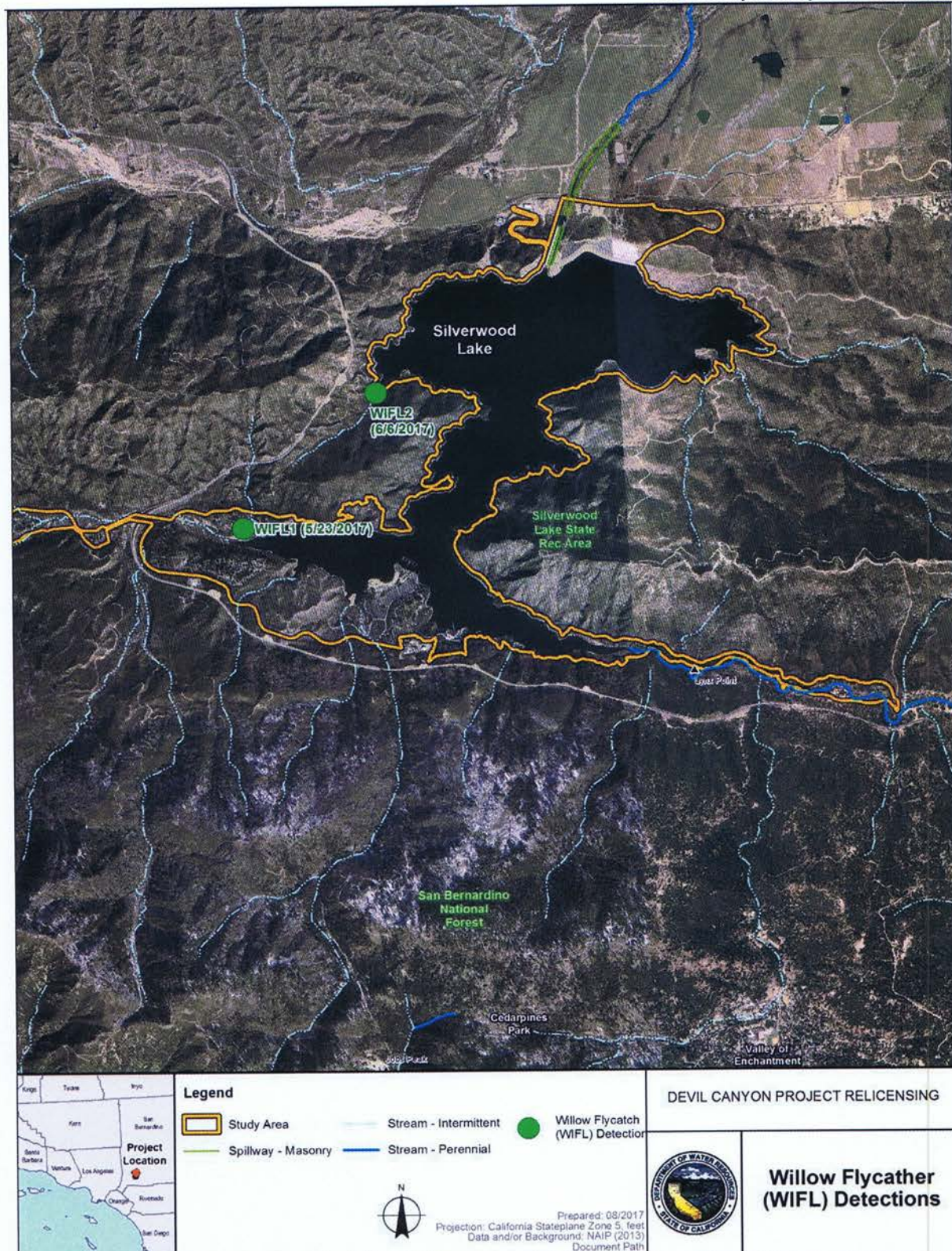


Figure 4. Locations of Migrant Willow Flycatcher Detections.

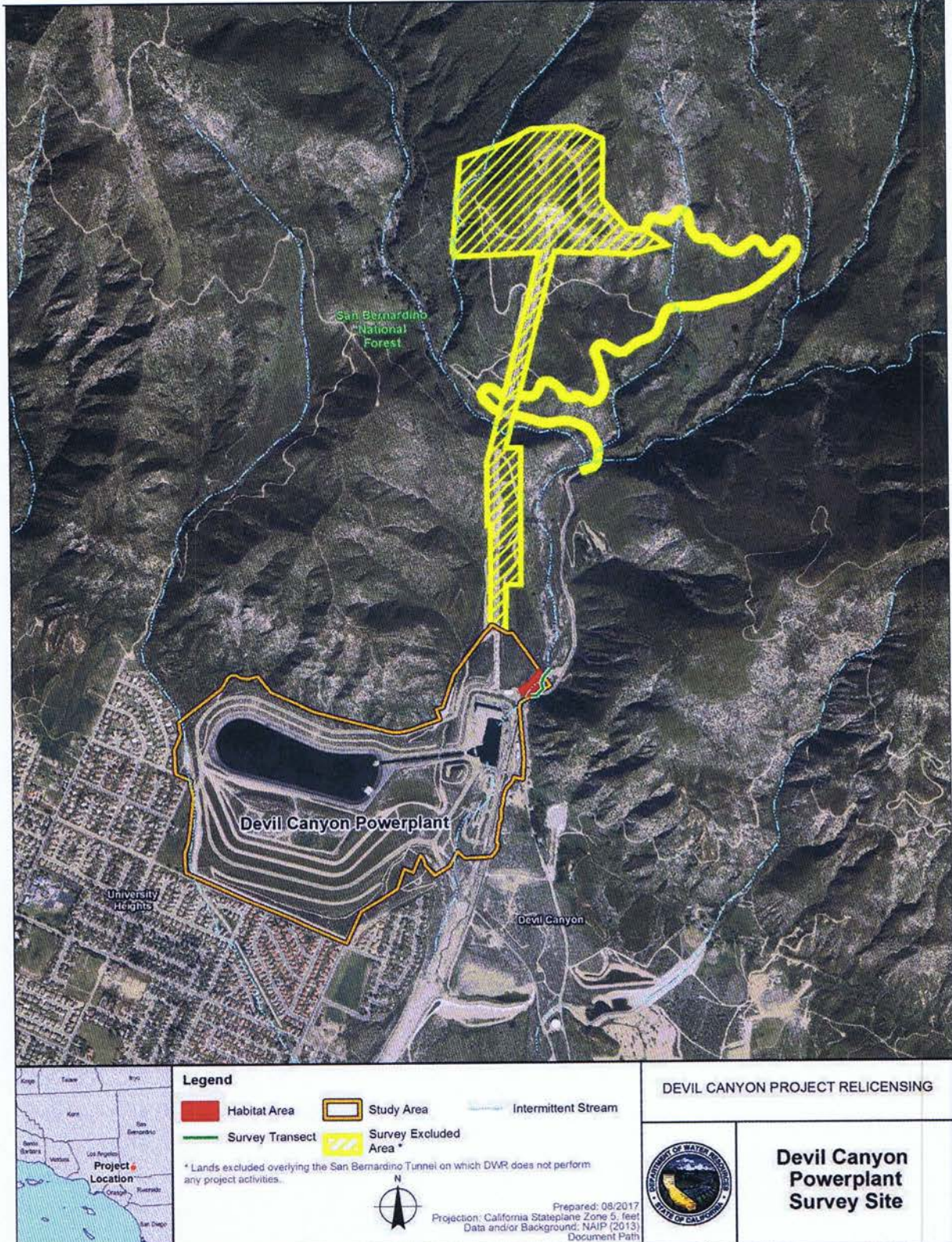


Figure 3. Devil Canyon Powerplant Survey Site