
**U.S. Fish and Wildlife Service, "Federal Biological Opinions,
Santa Clara Watershed" (2007)**

Appendix 6.0: Federal Biological Opinions, Santa Clara Watershed (1993-2006)

Op. No.	Date	Project Name	Species Covered	Acres Permanently (P) Disturbed	Acres Temporarily (T) Disturbed	Location	Description	Conclusion
1065.1163.1544	October 26, 1993	Temporary Diversion Berm on the Santa Clara River on the Newhall Ranch	UTS	0	0.09 (est.)	Along the Santa Clara River on the Newhall Ranch.	Construction of a 2' x 10' x 400' berm to divert water away from an exempt levee which is to be rebuilt.	Project is not likely to jeopardize the continued existence of the UTS; no adverse modification of critical habitat.
1025.1129.1492	February 7, 1994	Southern Pacific Milling Company Sand and Gravel Mine	LBV	19	Unknown	Within and adjacent to the Santa Clara River from the western edge of the city of Santa Paula downstream to the confluence with the Lindsay Barranca in Ventura County.	The applicant proposes to install a sand and gravel mine.	Project is not likely to jeopardize the continued existence of the LBV; no adverse modification of critical habitat.
1380.1517.2051	August 28, 1995	Installation of a Southern California Gas Company Pipeline	UTS	0	23 (est.)	Santa Clara River at Castaic Creek.	Installation of an eight mile gas line that crosses the Santa Clara River and Castaic Creek.	Project is not likely to jeopardize the continued existence of the UTS; no adverse modification of critical habitat.
1392.1533.2075	October 23, 1995	Installation of Irrigation Pipelines on the Santa Clara River in Newhall Ranch	UTS	0.005	1.45	Santa Clara River at Summer Crossing.	Installation of 18" x 12" PVC irrigating pipe and removal of fill that comprises Summer Crossing; purpose is to irrigate nearby Citrus Orchards.	Project is not likely to jeopardize the continued existence of the UTS; no adverse modification of critical habitat.
1406.1547.2098	February 29, 1996	Construction of Erosion Control Facilities for the Valencia Water Reclamation Plant	UTS & LBV	1.4	Unknown	Santa Clara River near the Valencia Water Reclamation Plant.	Construction of a 50' x 12' x 630' keystone retaining wall.	Project is not likely to jeopardize the continued existence of either species; no adverse modification of critical habitat.

Appendix 6.0: Federal Biological Opinions, Santa Clara Watershed (1993-2006)

Op. No.	Date	Project Name	Species Covered	Acres Permanently (P) Disturbed	Acres Temporarily (T) Disturbed	Location	Description	Conclusion
1443.1591.2158	September 6, 1996	Repair of I-5 Bridge Over Santa Clara River	UTS ~LBV & ~SWF	1.4	Unknown	The Intersection of I-5 and the Santa Clara River.	The repair of two pier footings of the I-5 bridge crossing the Santa Clara River.	Project is not likely to jeopardize the continued existence of the UTS; no adverse modification of critical habitat.
1472.1623.2199	April 20, 1997	Widening of SR-126	LBV	0.5	Unknown	SR-126 just east of Rancho Camulos, from city of Piru to Los Angeles County line.	Grubbing, vegetation removal, and installation of retaining walls for ROW expansion.	Project is not likely to jeopardize the continued existence of the LBV; no adverse modification of critical habitat.
2390.3666.4402	September 28, 1998	Sewer Line and Force Main	UTS ~LBV	0.7	Unknown	Near the intersection of the Santa Clara River and Old Road Bridge in the city of Santa Clarita.	Replacement of two underground sewer lines that cross the Santa Clara River.	Not likely to jeopardize the continued existence of the species or adversely affect critical habitat.
911.1015.1329, 911.1015.1330, & 911.1351.1804	September 25, 1998 Note: Duplicate Letters	Newhall Land and Farming's Summer Crossings and Water Diversions	UTS	0	14	Santa Clara River from the Castaic Creek confluence to the Rancho Camulos vicinity.	Installation of six temporary vehicle crossings and four water diversions along the Santa Clara River from native materials.	The action as is not likely to jeopardize the continued existence of the UTS or modify critical habitat.
116.122.166	Nov. 27, 1998	Natural River Management Plan	UTS, LBV & SWF	96	71	Along the Santa Clara River and its tributaries in Valencia and Santa Clarita and adjacent unincorporated areas of Los Angeles County at the inlet of the San Francisquito Creek and confluence with the South Fork of the Santa Clara River.	81,150 lf of bank protection along the River and San Francisquito Creek; a 1,700 foot long inlet structure at the confluence with the South Fork; approximately 85 storm drain outlets; eight new bridges; a replacement for an existing bridge; and upgrades to six existing bridges.	Activities are not likely to jeopardize the continued existence of these species or result in destruction or adverse modification of critical habitat.

Appendix 6.0: Federal Biological Opinions, Santa Clara Watershed (1993-2006)

Op. No.	Date	Project Name	Species Covered	Acres Permanently (P) Disturbed	Acres Temporarily (T) Disturbed	Location	Description	Conclusion
148.155.1274	December 26, 2000	Replacement of the I-5 Bridge over the Santa Clara River, Los Angeles County	UTS & LBV	1.18	0.42	Where I-5 crosses the Santa Clara River.	Caltrans (with FHWA funding), proposes to replace the existing bridges where I-5 crosses the Santa Clara River, with a single structure, consisting of 10 traffic lanes. Construction activities would include major and minor grading, installing pier supports, and the demolition and removal of the existing bridges.	Not likely to jeopardize the existence of these three species and is not likely to destroy or adversely modify the critical habitat of the Least Bell's Vireo or the proposed critical habitat of the Unarmored Three-spine Stickleback.
852.921.1190	May 3, 2001	Replacement of the Highway 101 Bridge over the Santa Clara River, Ventura County, California	LBV & SWF	1.18	0.42	Highway 101 and the Santa Clara River; activities are expected to occur only on and under the bridge, and within 100 feet up- and downstream of the bridge.	Caltrans, (with FHWA funding) proposes to replace existing Highway 101 bridges over the Santa Clara River with a single concrete bridge with 12 lanes, a bike path, 12 piers and two abutments.	The action as is not likely to jeopardize the continued existence of these species; no critical habitat present.
852.921.1195	April 3, 2002	Amendment to the Biological Opinion for the Santa Clara River Bridge Replacement Project	LBV & SWF	1.18	0.42	Interstate 101 and the Santa Clara River (although the opinion inadvertently references I-5).	Caltrans was unable to comply with term and condition 7 of the May 3, 2001 opinion requiring removal of riparian vegetation within 100 yards of the bridge before March 15 of each construction year.	Qualified ornithologists conducted surveys for breeding birds in the project area and concluded that no LBV or SWF had been detected. Therefore, the biological opinion can be amended without resulting in additional take of the species.
2409.3697.4463	September 10, 2002	Hardluck Campground Low Water Crossing Replacement	AT	0.25	Unknown	Piru Creek near Hardluck Campground in Los Padres National Forest.	Replacement of a concrete low water crossing.	Not likely to jeopardize the continued existence of the AT or adversely affect critical habitat.

Appendix 6.0: Federal Biological Opinions, Santa Clara Watershed (1993-2006)

Op. No.	Date	Project Name	Species Covered	Acres Permanently (P) Disturbed	Acres Temporarily (T) Disturbed	Location	Description	Conclusion
116.154.212	Nov. 15, 2002	Natural River Management Plan (NRMP) (Supplement to previous application dated November 27, 1998)	AT	66 (smaller acreage for permanent reflects that a portion of the project had already been completed)	71	Same as previous.	Same as previous.	The NRMP, as proposed, is not likely to jeopardize the continued existence of the AT.
189.203.342	December 17, 2002	Castaic Creek Bank Protection, Valencia Commerce Center, Los Angeles County, California	UTS & AT ~LBV	135	8.3	Castaic and Hasley creeks adjacent to the Santa Clara River.	Installation of approximately 19,400 feet of bank protection along Castaic and Hasley creeks over a period of four years.	The project, as proposed, is not likely to jeopardize the continued existence of either of these species.
148.156.215	August 1, 2003	Re-initiation of the replacement of the I-5 Bridge over the Santa Clara River, Los Angeles County	UTS, LBV, SWF, & AT	1.28	0.42	Where I-5 crosses the Santa Clara River.	Same as above, but permanently impacted area will be expanded by 0.1 acres.	Action is not likely to jeopardize the continued existence of the species.
884.976.1397	October 24, 2004	Santa Clara River Reaches 71 & 82	UTS & AT	5.81	Unknown	Reaches 71 & 82 of the Santa Clara River.	Clearing of soft-bottom channels using both heavy mechanical equipment and hand clearing.	The action is not likely to jeopardize the continued existence of these species.
1726.2067.3266	March 31, 2005	Townhomes at the River Development and Construction of a Flood Control Levee	LBV	11.4	Unknown	City of Fillmore.	66 residential units on an 11.4 acre site and 26' x 730' x 10' x 90' levee installation.	Not likely to jeopardize the continued existence of the LBV; critical habitat will not be adversely affected.

Appendix 6.0: Federal Biological Opinions, Santa Clara Watershed (1993-2006)

Op. No.	Date	Project Name	Species Covered	Acres Permanently (P) Disturbed	Acres Temporarily (T) Disturbed	Location	Description	Conclusion
2141.3126.3703	May 31, 2005	I-5 Hasley Canyon Interchange Improvement	UTS & AT	0.01	0.42 (est.)	I-5 at Castaic Creek and Hasley Canyon.	Replacement of existing over-crossings, ramps, and supports.	Not likely to jeopardize the continued existence of either species; critical habitat will be adversely affected.
852.921.4942	February 16, 2006	Amendment to Biological Opinion for Santa Clara Bridge Replacement	LBV & SWF	1.18	0.42	Interstate 101 and the Santa Clara River.	Proposed revision of project description to include underground drainage and outlet.	The revised project is not likely to adversely affect these species.
2260.3483.5550	September 5, 2006	Santa Paula Water Recycling Facility	LBV	0	9.4	Approximately 58 acres immediately south of SR-126 and west of Peck Road in Santa Paula.	Construction of a new water recycling facility including new percolation ponds that would discharge into the Santa Clara River.	Not likely to jeopardize the continued existence of the LBV; critical habitat will not be adversely affected.

Notes:

- UTS Unarmored Threespine Stickleback
- SWF Southwestern Willow Flycatcher
- LBV Least Bell's Vireo
- AT Arroyo toad
- ~ species mentioned but not discussed

Source: USFWS.