
**Guthrie, D.A., "Bird Surveys along the Santa Clara River, 2001; Mouth of
Castaic Creek Downstream to just below Las Brisas Crossing"
(September 14, 2001; 2001B)**

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BIRD SURVEYS ALONG THE SANTA CLARA RIVER, 2001

MOUTH OF CASTIAC CREEK DOWNSTREAM TO

JUST BELOW LAS BRISAS CROSSING

Prepared for:

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September 14, 2001

CORRECTED VERSION

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Bird Surveys along the Santa Clara River, 2001
Mouth of Castaic Creek Downstream to just below Las Brisas Crossing

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Nature and Scope of Surveys

During the spring and early summer of 2001 a survey was conducted along the section of the Santa Clara River between its confluence with Castaic Creek and a point 1/4 mile below the Las Brisas bridge over the Santa Clara River. The total length of the section surveyed was 7.5 miles. For convenience in surveying, this section was divided into two portions at the Los Angeles - Ventura County line.

Each area was surveyed eight times, in accordance to the U.S. Fish and Wildlife Service Protocol for Least Bell's Vireo. Five of the surveys were conducted within the time frames recommended by the U.S. Fish and Wildlife Service Protocol for southwestern willow flycatcher. In order to follow least Bell's vireo protocol on kilometers covered per day, each portion (one in Los Angeles and one in Ventura County) was divided into two sections, each surveyed separately. However, observations from these two surveys are combined in data presentation (Tables 1-2).

Each survey was conducted on foot by observers well acquainted with both visual and auditory and behavioral characteristics of southern California birds. Surveys occurred approximately every other week between early April and late July (there was some variation in timing to avoid periods of poor weather) and occurred between 6:00 and 10:00 a.m. All birds sighted were counted, but special emphasis was placed on finding focus species, Species of Special Concern, and Brown-headed Cowbirds. If focus species (yellow-billed cuckoo, least Bell's vireo, Southwestern willow flycatcher), were not visually observed, tapes of their calls were played in an attempt to elicit a response. Personnel for all surveys were Daniel A. Guthrie and Judith A. Sugden, both working under Federal Fish and Wildlife Service Permit number TE810394-1, issued under section 10(a)(1)(A) of the Endangered Species Act and permitted for both least Bell's vireo and southwestern willow flycatcher.

Habitat Condition and Bird Observations

Although there was little flooding during the winter of 2000-2001, floods in early spring removed much of the wet riparian vegetation along the river. Dirt roads crossing the river, which were damaged by spring rains, were reestablished in late May and catch dams for irrigation were reestablished in June.

Observations of all birds are shown in Tables 1-2. The numbers shown are of birds seen and heard, with heard individuals forming the majority of the observations. Numbers vary between censuses for several reasons. Bird activity varies with season. Different species breed at different times of the year. In general, species are most easily observed when they are actively defending territories by song during the establishment of breeding pairs. Once pairs are established and nesting begins song often decreases and the numbers of birds observed, therefore, also decreases. After young leave the nest, numbers observed increase. Thus, for most resident species, numbers of adult birds are most accurately censused in April and May, when territorial activity is at a maximum. A few species such as Anna's hummingbird that nest early in the season may be underestimated. Numbers of nesting species observed may be higher than normal in May due to migratory birds passing through the area, then decrease slightly in June and early July when birds are less active during nesting, and increase in late June and July when young birds leave the nest.

Comments on Threatened and Endangered Species

Yellow-billed Cuckoo

The Yellow-billed Cuckoo is listed as a State Endangered Species. Despite playing taped calls of this species during June and July surveys, when this species might be present, no individuals of this species were observed in 2001

Southwestern Willow Flycatcher

This subspecies is listed as Federally Endangered under the Federal Endangered Species Act. Willow flycatchers were once widespread in wet riparian woodland in southern California but now only a few individuals remain. Following the Revised Protocol (Fish And Wildlife Service, July 2000) five surveys were conducted specifically for southwestern willow flycatcher. (note that two surveys were conducted in period 2 and two in period 3, rather than 3 in period 3. However, the second period 2 survey was very late in the period.) All surveys occurred between 6:00 and 10:00 am. and used taped calls to elicit a response if flycatchers were not first observed.

A single southwestern willow flycatcher was observed during the census of June 9.th

The location for this sighting is shown in Figure 1. The bird was not singing as would be expected of a bird defending a territory. Although the location of this sighting was carefully surveyed on subsequent censuses the bird could not be relocated. This bird, therefore, is considered to be a migrant passing through the area. It is not clear whether this bird was a Southwestern Willow Flycatcher or a member of a more northerly subspecies passing through on migration. The report forms required by the U.S. Fish and Wildlife Service Protocol for this species are attached to this report. As the Fish and Wildlife Service requests reports of negative findings a copy of the Fish and Wildlife Service report form for southwestern willow flycatcher census for the Los Angeles County section of this survey is also attached.

Least Bell's Vireo

Surveys of the wet riparian areas along the Santa Clara River followed U.S. Fish and Wildlife Service Guidelines for least Bell's vireo. Eight surveys were conducted between April 10 and July 31 (see Table 1 and 2 for dates). All surveys occurred between 6:00 and 10:00 am. and taped vireo calls were played if no vireos were heard or seen. In order to avoid disturbing vireos, no special efforts were made to determine nesting success or presence of leg bands once birds were observed.

Four pair of least Bell's vireos were regularly heard and seen in three areas in the Ventura County section of this survey during 2001, as shown in Figure 2 (nos. 1-4). All are in areas where vireos were found in previous years. There were thought to be five pairs of vireos present along this section of the river in 2000.

Two least Bell's vireos were regularly observed in the Los Angeles County section of this survey, as shown on Figure 3 (nos. 1,2). Both are in an area where a singing vireo was observed in 2000 but did not nest. At least one of these sightings (2 in figure 3) was of a nesting pair. The other sighting (1 in figure 3) seemed to be an unpaired male.

No bands were observed on any of the vireos mentioned here.

Comments on Sensitive Species

Great Blue Heron

Great Blue Herons are listed on the California Natural Diversity Data Base as a species that warrants monitoring. Individuals of this species was observed sparingly along the river after the breeding season and along other sections of the river during winter and migration. No nesting was observed.

Great Egret

The Great egret is listed on the California Natural Diversity Data Base as a species that warrants monitoring. A few individuals were observed along the river during migration and after the breeding season.

Yellow Warbler

The Yellow Warbler is considered a Species of Special Concern by the State of California. Yellow Warblers prefer wet riparian habitat but are also found in large cottonwoods in drier riparian areas. Singing yellow warblers were observed throughout the surveys along the Santa Clara River.

Yellow-breasted Chat

The Yellow-breasted Chat is considered a Species of Special Concern by the State of California. The numbers of chats calling from territories along this section of riparian woodland are about the same number as observed here in previous years.

Lawrence's Goldfinch

This species is a highest priority species on the Audubon Birds to Watch list for 1996 and is a Bird of Management Concern for the Fish and Wildlife Service. Although a species of the coastal sage, small flocks of this species visited the riparian zone of the Santa Clara River during early spring and summer.

Comments on Brown Headed Cowbird

Cowbirds were regularly observed in all sections of the study area and seemed to be attracted by tapes of least Bell's vireo calls. Numbers remained high along the river until late July, by which time nearly all nesting was completed.

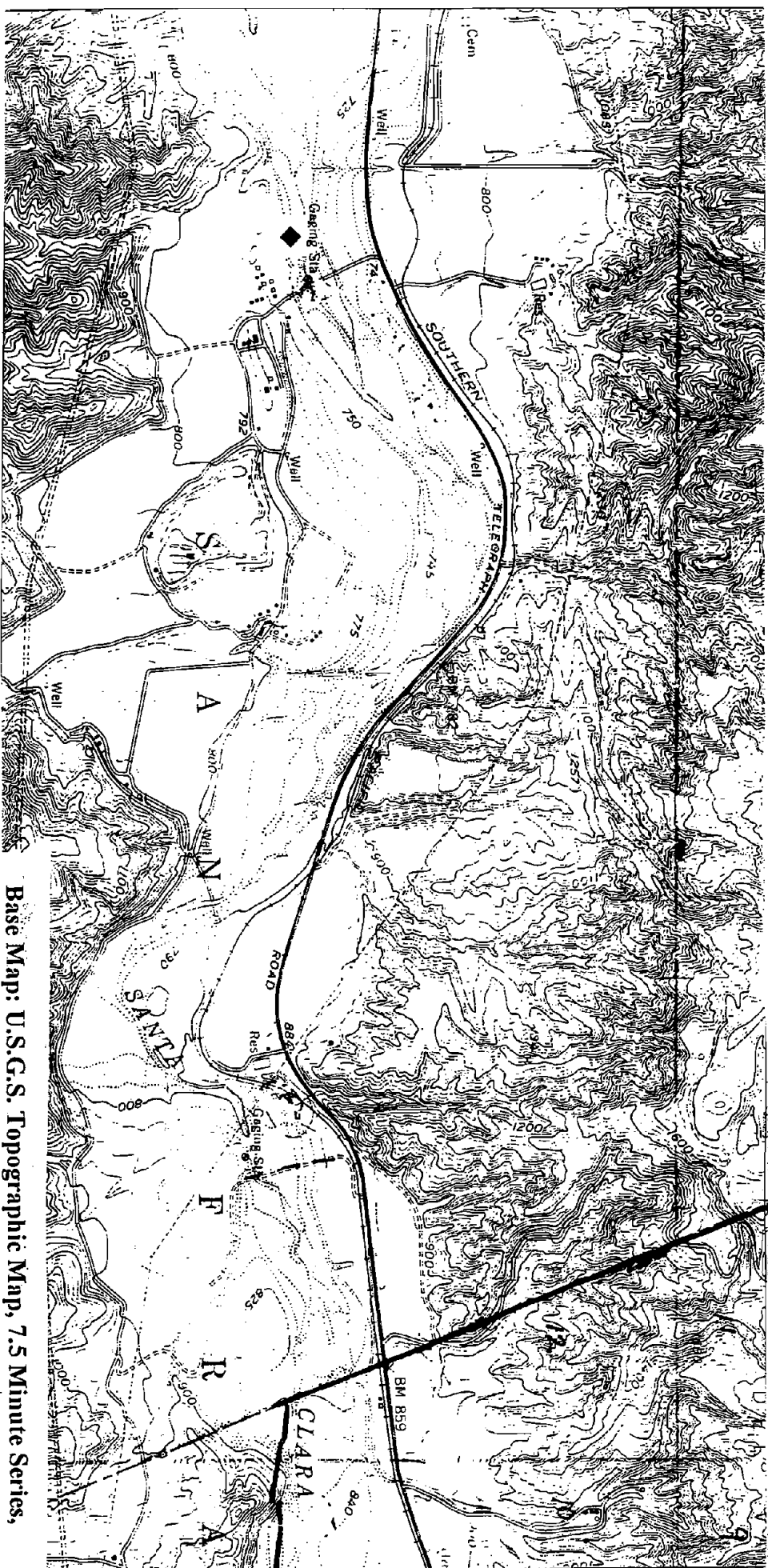
Summary

No yellow billed-cuckoos were observed during 2001. A single willow flycatchers was observed but could not be relocated on subsequent visits. Because of this behavior and the time of observation, this bird is considered to represent a migrant passing through the area to

breeding grounds further north. Five and possibly six pairs of least Bell's vireos were observed along this section of the Santa Clara River during 2001, about the same number as found in previous years. While those in Ventura County were at locations where this species previously nested, the sites in Los Angeles County are new.

Among species of concern, the riparian species; yellow warbler and yellow-breasted chat occurred in small numbers in riparian woodlands along the river. Two other species, great blue heron and great egret, were observed feeding in small numbers on the river, but did not nest in the area. Finally, a coastal sage species, Lawrence's goldfinch, was observed along the river in small numbers as a visitor from nearby coastal sage habitat.

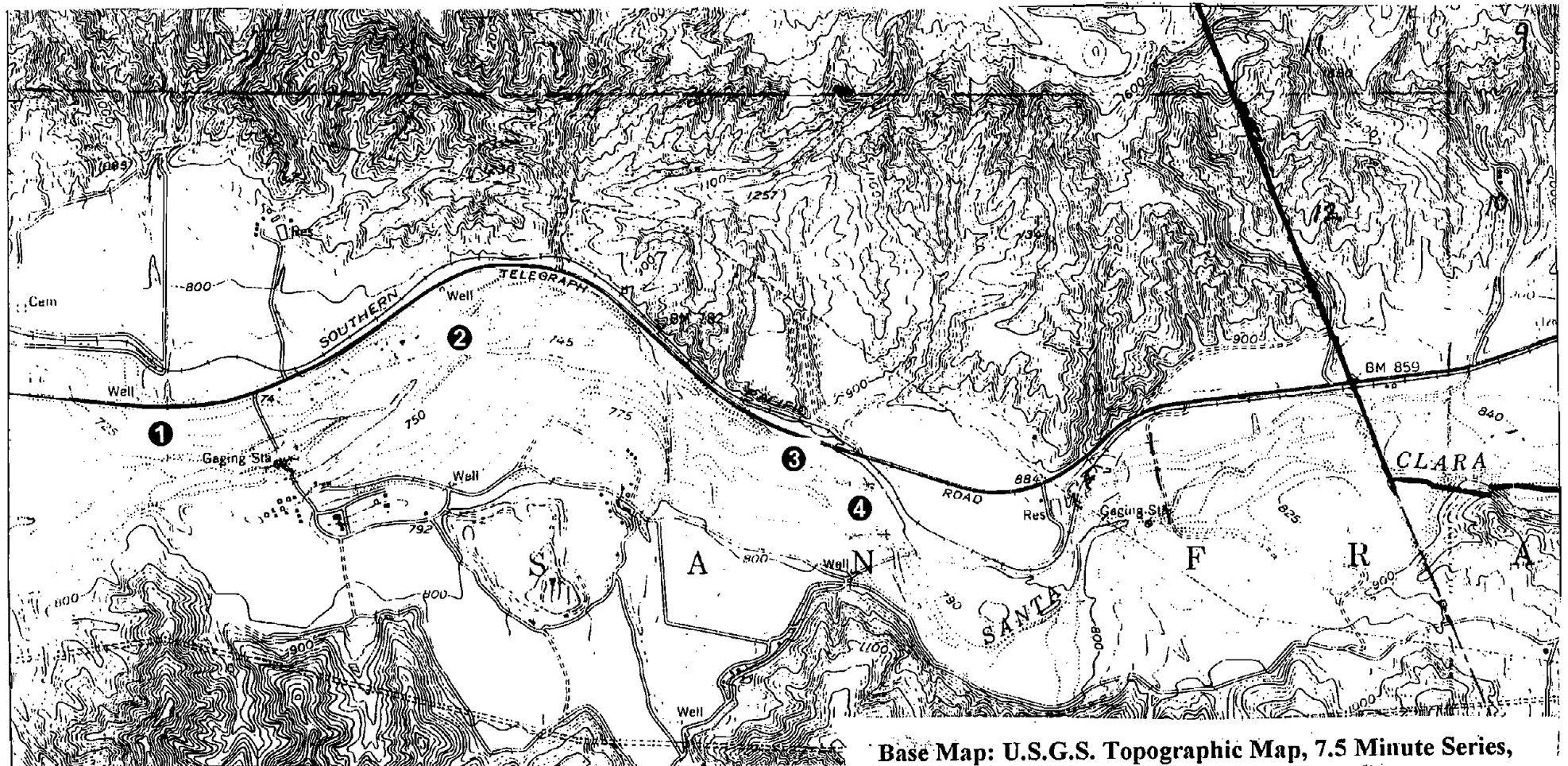
Figure 1. Location of southwestern willow flycatcher sightings, 2001.



Base Map: U.S.G.S. Topographic Map, 7.5 Minute Series, Val Verde Quadrangle, 1952. Photorevised, 1969.

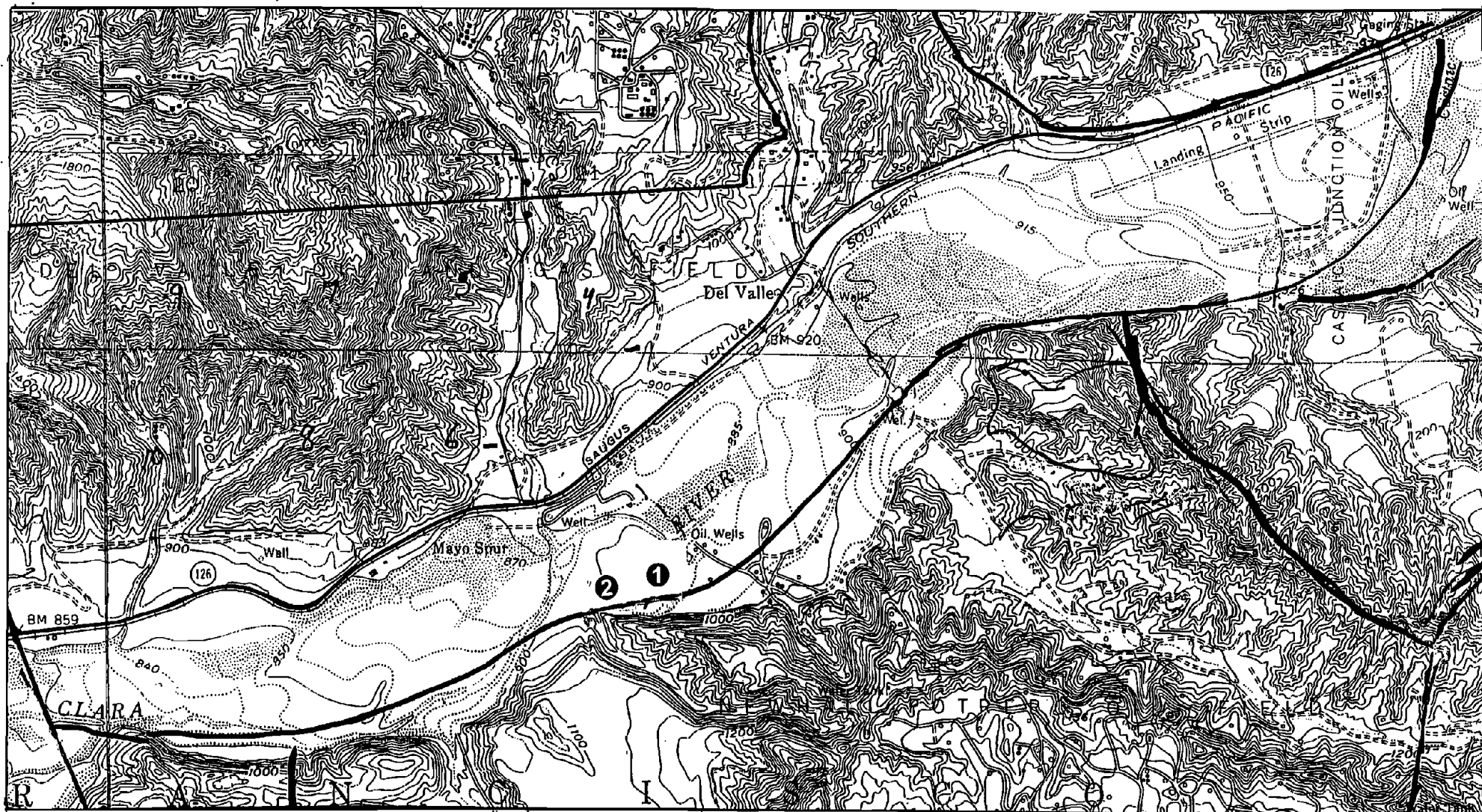
◆ - location of June 9th sighting.

Figure 2. Location of least Bell's vireo sightings in Ventura County, 2001. Each number represents either a singing male or a pair.



**Base Map: U.S.G.S. Topographic Map, 7.5 Minute Series,
Val Verde Quadrangle, 1952. Photorevised, 1969.**

Figure 3. Location of least Bell's vireo sightings in Los Angeles County, 2001. Each number represents either a singing male or a pair.



Base Map: U.S.G.S. 7.5 minute topographic map for Val Verde, California, 1952, photorevised 1969.

Table 1. BIRDS OF THE SANTA CLARA RIVER BASIN,2001: Santa Clara River from Mouth of Castiac Creek to the Los Angeles/Ventura County Line.

Endangered Species and Species of Concern Shaded

SPECIES	STATUS	Dates of Surveys							
		14-Apr	24-Apr	8-May	18-May	11-Jun	21-Jun	3-Jul	14-Jul
Great Blue Heron	m,w	1	2	1	0	0	1	0	1
Black-crowned Night-heron	m,w	0	1	1	0	0	0	0	0
Turkey Vulture	r	1	0	0	0	0	0	0	0
Mallard	r	4	7	7	6	7	6	0	0
Cinnamon Teal	m,w	2	0	0	0	0	0	0	0
Red-shouldered Hawk	r	0	0	0	0	0	1	1	0
Red-tailed Hawk	r	2	2	0	3	4	3	3	5
American Kestrel	r	2	0	0	3	3	0	0	1
California Quail	r	10	56	38	40	38	51	154	21
Killdeer	r	11	16	19	8	24	23	6	24
Solitary Sandpiper	m	0	1	0	0	0	0	0	0
Spotted Sandpiper	s	0	0	0	2	1	1	0	3
Least Sandpiper	m	0	1	0	0	0	0	0	0
Ring-billed Gull	m	0	0	0	0	2	0	0	0
California Gull	m	10	0	0	0	0	0	0	0
Western Gull	v	18	20	0	40	8	15	0	20
Rock Dove	r	30	25	0	50	0	0	0	0
Mourning Dove	r	10	15	57	26	54	47	22	31
Greater Roadrunner	r	0	0	1	0	0	0	0	0
White-throated Swift	r	0	0	0	0	10	7	0	0
Black-chinned Hummingbird	s	0	1	1	1	3	11	4	0
Anna's Hummingbird	r	4	4	4	0	15	10	20	10
Costa's Hummingbird	s	0	0	0	0	3	5	4	0
Nuttall's Woodpecker	r	7	3	5	9	14	20	14	17
Downy Woodpecker	r	0	1	0	1	15	13	9	0
Hairy Woodpecker	r	1	0	1	3	2	1	0	0
Northern Flicker	r	1	3	0	4	2	1	1	3
Western Wood-pewee	m	0	0	1	0	0	0	0	0
Pacific Slope Flycatcher	s	0	1	0	0	2	0	0	0
Black Phoebe	r	1	1	2	1	6	4	2	8
Say's Phoebe	r	0	0	1	0	0	0	0	0
Ash-throated Flycatcher	s	3	17	10	18	22	23	22	16
Western Kingbird	s	6	1	9	4	7	7	8	2
Belt's Vireo	s	0	2	1	1	2	3	3	1
Western Scrub Jay	r	7	9	14	4	13	17	28	17
American Crow	r	8	2	10	9	21	13	9	10
Common Raven	r	15	6	10	8	2	39	1	8
Tree Swallow	s	0	0	7	0	0	0	0	0
Violet-green Swallow	s	0	14	8	5	1	0	0	0
N. Rough-winged Swallow	s	14	37	10	1	10	3	92	8
Cliff Swallow	s	0	60	34	6	212	56	158	26
Barn Swallow	s	0	3	0	0	0	0	0	0
Oak Titmouse	r	18	13	5	8	25	18	66	12
Bushtit	r	4	8	14	4	16	43	15	0
Bewick's Wren	r	29	41	47	21	38	58	54	15

Table 1 (cont.).BIRDS OF THE SANTA CLARA RIVER BASIN,2001: Santa Clara River from Mouth of Castiac Creek to the Los Angeles/Ventura County Line.

Endangered Species and Species of Concern Shaded

SPECIES	STATUS	Dates of Surveys							
		14-Apr	24-Apr	8-May	18-May	11-Jun	21-Jun	3-Jul	14-Jul
House Wren	r	40	20	22	34	83	30	6	0
Western Bluebird	r	14	2	2	13	15	12	8	11
Swainson's s Thrush	s	0	0	1	0	0	0	0	0
American Robin	r	2	0	0	4	0	0	1	0
Wrentit	r	6	10	3	3	4	12	16	10
California Thrasher	r	2	0	4	1	6	2	10	2
European Starling	r	59	25	32	39	13	23	26	4
American Pipit	w,m	1	0	0	0	0	0	0	0
Phainopepla	r	5	0	1	3	10	3	0	2
Orange-crowned Warbler	w,m	1	3	0	0	0	0	0	0
Yellow Warbler	s,m	0	4	2	3	12	6	2	2
Yellow-rumped Warbler	w,m	21	2	0	0	0	0	0	0
Common Yellowthroat	r	6	11	32	12	46	52	19	1
Yellow-breasted Chat	s	0	5	7	1	13	7	16	2
Western Tanager	m	0	0	0	0	1	0	0	0
Spotted Towhee	r	12	14	23	12	41	30	58	13
California Towhee	r	11	8	23	4	45	24	95	18
Lark Sparrow	r	7	0	0	0	0	0	0	0
Savannah Sparrow	w,m	13	0	0	0	0	0	0	0
Song Sparrow	r	46	82	79	92	85	84	40	21
White-crowned Sparrow	w,m	18	3	0	0	0	0	0	0
Black-headed Grosbeak	s	12	17	11	11	17	11	22	5
Blue Grosbeak	s	0	2	5	8	0	3	9	11
Lazuli Bunting	s	0	6	6	0	3	10	0	1
Red-winged Blackbird	s	69	48	11	37	16	29	0	2
Yellow-headed Blackbird	m	0	1	0	0	0	0	0	0
Brewer's Blackbird	r	30	24	0	0	0	0	0	0
Brown-headed Cowbird	s	14	13	11	5	3	27	19	20
Hooded Oriole	s	0	0	2	0	6	4	8	0
Bullock's Oriole	s	19	0	17	11	23	26	15	3
House Finch	r	41	24	29	8	24	26	57	11
Pine Siskin	w,m	0	6	0	0	0	0	0	0
Lesser Goldfinch	r	52	40	30	12	32	40	13	24
Lawrence's Goldfinch	r	10	0	1	0	0	0	0	2
American Goldfinch	w,m,r	6	31	16	0	2	4	0	0

Status: m, migrant; r, resident; s, summer only; w, winter

**Table 2. BIRDS OF THE SANTA CLARA RIVER BASIN,2001: Santa Clara River from Los Angeles/
Ventura County Line downstream to 1/4 mile below Newhall Ranch Crossing**

Endangered Species and Species of Concern Shaded

SPECIES	STATUS	Dates of Surveys							
		15-Apr	27-Apr	10-May	19-May	9-Jun	20-Jun	4-Jul	15-Jul
Great Blue Heron	m,w	0	1	0	0	2	0	0	1
Great Egret	m,w	0	1	0	0	0	0	0	1
Snowy Egret	m,w	0	0	0	0	0	0	0	1
Green Heron	r	0	0	0	0	4	0	1	6
Black-crowned Night-heron	m,w	0	1	0	0	1	0	0	0
Turkey Vulture	r	1	0	0	1	0	0	0	0
Mallard	r	2	1	0	4	0	2	20	10
Red-shouldered Hawk	r	0	0	2	2	2	3	0	2
Red-tailed Hawk	r	0	2	1	1	1	2	1	1
American Kestrel	r	0	0	0	0	1	0	1	0
California Quail	r	25	60	61	23	39	41	62	29
Killdeer	r	9	8	7	8	13	23	23	7
Spotted Sandpiper	s	0	0	1	0	4	0	4	0
Western Sandpiper	m	0	0	0	0	10	0	0	0
Common Snipe	m,w	0	0	0	0	0	0	0	1
Mourning Dove	r	26	26	11	21	22	39	53	40
Common Ground Dove	r	0	0	1	1	0	0	1	0
Greater Roadrunner	r	0	2	1	0	0	0	2	0
Great Horned Owl	r	0	0	0	0	1	0	0	0
Black-chinned Hummingbird	s	0	0	0	0	0	3	6	1
Anna's Hummingbird	r	22	6	6	8	14	13	17	14
Costa's Hummingbird	s	0	1	1	0	2	0	3	1
Acorn Woodpecker	r	0	0	2	0	0	0	0	0
Nuttall's Woodpecker	r	11	10	5	10	12	13	13	8
Downy Woodpecker	r	3	7	2	4	7	8	16	3
Hairy Woodpecker	r	1	4	0	0	0	0	3	1
Northern Flicker	r	2	1	0	0	1	0	0	0
Willow Flycatcher	m	0	0	0	0	1	0	0	0
Pacific Slope Flycatcher	s	0	0	1	0	1	0	0	0
Black Phoebe	r	1	4	6	5	9	10	9	7
Ash-throated Flycatcher	s	6	11	12	12	18	15	16	11
Western Kingbird	s	0	0	1	0	0	0	0	1
Belt's Vireo	s	4	4	5	3	5	7	5	3
Western Scrub Jay	r	13	9	16	13	14	12	16	10
American Crow	r	8	10	11	15	9	8	33	15
Common Raven	r	5	7	2	4	6	3	3	2
Tree Swallow	s	0	0	0	0	2	0	0	0
Violet-green Swallow	s	0	0	0	0	6	0	0	0
N. Rough-winged Swallow	s	1	15	1	8	0	0	4	6
Cliff Swallow	s	600	430	200	60	450	161	317	200
Barn Swallow	s	0	0	1	1	0	0	0	0
Oak Titmouse	r	9	8	10	4	11	8	11	10
Bushtit	r	12	16	20	21	37	27	52	26
White-breasted Nuthatch	r	0	1	0	0	0	0	0	0
Bewick's Wren	r	42	38	31	24	35	37	32	9

Table 2 (cont.). BIRDS OF THE SANTA CLARA RIVER BASIN, 2001: Santa Clara River from Los Angeles/Ventura County Line downstream to 1/4 mile below Newhall Ranch Crossing

Endangered Species and Species of Concern Shaded

SPECIES	STATUS	Dates of Surveys							
		15-Apr	27-Apr	10-May	19-May	9-Jun	20-Jun	4-Jul	15-Jul
House Wren	r	15	28	21	6	9	14	0	0
Ruby-crowned Kinglet	w	1	0	0	0	0	0	0	0
Western Bluebird	r	8	6	6	0	1	2	0	5
American Robin	r	1	2	3	3	0	3	0	2
Wrentit	r	10	17	12	21	8	8	36	15
Northern Mockingbird	r	0	0	0	0	0	0	2	0
California Thrasher	r	2	4	4	3	8	5	8	6
European Starling	r	4	7	11	7	7	1	7	5
Phainopepla	r	0	0	0	0	0	7	3	5
Orange-crowned Warbler	w,m	9	6	0	0	0	0	0	0
Yellow Warbler	s,m	0	7	12	6	3	5	6	0
Yellow-rumped Warbler	w,m	54	1	0	0	0	0	0	0
Common Yellowthroat	r	25	50	37	49	43	59	50	54
Yellow-breasted Chat	s	2	4	7	7	8	8	9	0
Spotted Towhee	r	29	31	27	17	30	15	36	15
California Towhee	r	52	33	39	23	61	57	46	13
Lark Sparrow	r	0	0	0	0	0	2	1	0
Song Sparrow	r	109	92	104	88	65	102	84	62
Black-headed Grosbeak	s	12	24	26	11	24	13	27	16
Blue Grosbeak	s	0	2	1	0	3	0	5	5
Lazuli Bunting	s	0	1	3	0	0	0	14	36
Red-winged Blackbird	s	12	14	1	22	0	10	0	4
Brown-headed Cowbird	s	10	16	12	12	16	14	5	6
Hooded Oriole	s	0	0	2	0	0	3	14	0
Bullock's Oriole	s	16	5	6	5	7	7	14	1
House Finch	r	22	46	41	20	28	21	17	21
Lesser Goldfinch	r	83	42	51	35	57	59	140	57
Lawrence's Goldfinch	r	10	0	0	0	0	0	1	2
American Goldfinch	w,m,r	12	9	7	3	0	9	5	14
House Sparrow	r	0	3	0	5	0	0	0	2

Status: m, migrant; r, resident; s, summer only; w, winter

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name NEWNALL RANCH Total Site No _____
 Was site surveyed in previous year? Yes No
 If yes, what site name was used? _____
 Drainage SANTA CLARA RIVER

County LOS ANGELES / VENTURA State CA USGS Quad Name VAL VERDE

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

Site Coordinates: Start: N _____ E _____ UTM
 Stop: N _____ E _____ UTM Zone _____
 Elevation 725 - 950 (feet) meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
D. GUTHRIE J. SUGDEN	Date <u>5-18-19</u> start <u>6:00</u> stop <u>10:00</u> total hrs <u>4.5</u>	0	0	0	N	Y	N	
J. SUGDEN	Date <u>6-9-11</u> Start <u>6:30</u> Stop <u>10:00</u> total hrs <u>3.5</u>	1	0	0	N	Y	N	
J. SUGDEN	Date <u>6-22-12</u> Start <u>6:30</u> Stop <u>10:00</u> total hr <u>4.5</u>	0	0	0	N	Y	Y LA CR.	
J. SUGDEN	Date <u>7-1-11</u> start <u>6:30</u> stop <u>10:00</u> total hrs <u>3.5</u>	0	0	0	N	Y	Y LA CR.	
D. GUTHRIE J. SUGDEN	Date <u>7-14-15</u> start <u>6:30</u> stop <u>10:00</u> total <u>3.5</u>	0	0	0	N	Y	Y LA CR.	
Overall Site Summary (Total only resident WIFLs) Total survey hrs <u>47.5</u>		Adults <u>1</u>	Pairs <u>0</u>	Territories <u>0</u>	Nests <u>0</u>	Were any WIFLs color-banded? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, report color combination(s) in the comments section on back of form		

Name of Reporting Individual DANIEL A GUTHRIE Date Report Completed 7/31/01

Submit the original of this form. Retain a copy for your records.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual DAN GUVINALE Phone # 909 607 2836

Affiliation CLAREMONT COLLEGES Email DGUVINALE@JSD.CLAREMONT.EDU

Site Name ~~SANTA CLARA R. GASTING~~ NEWHALL RANCH

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

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

Name of Management Entity or Owner (e.g., Tonto National Forest) NEWHALL LAND AND CATTLE

Length of area surveyed: 7.5 mi (specify units, e.g., miles = mi, kilometers = km, meters = m)

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

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

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: WILLOW COTTONWOOD TAMARISK

Average height of canopy: 40 FT. (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: 1-20 FT (specify units)

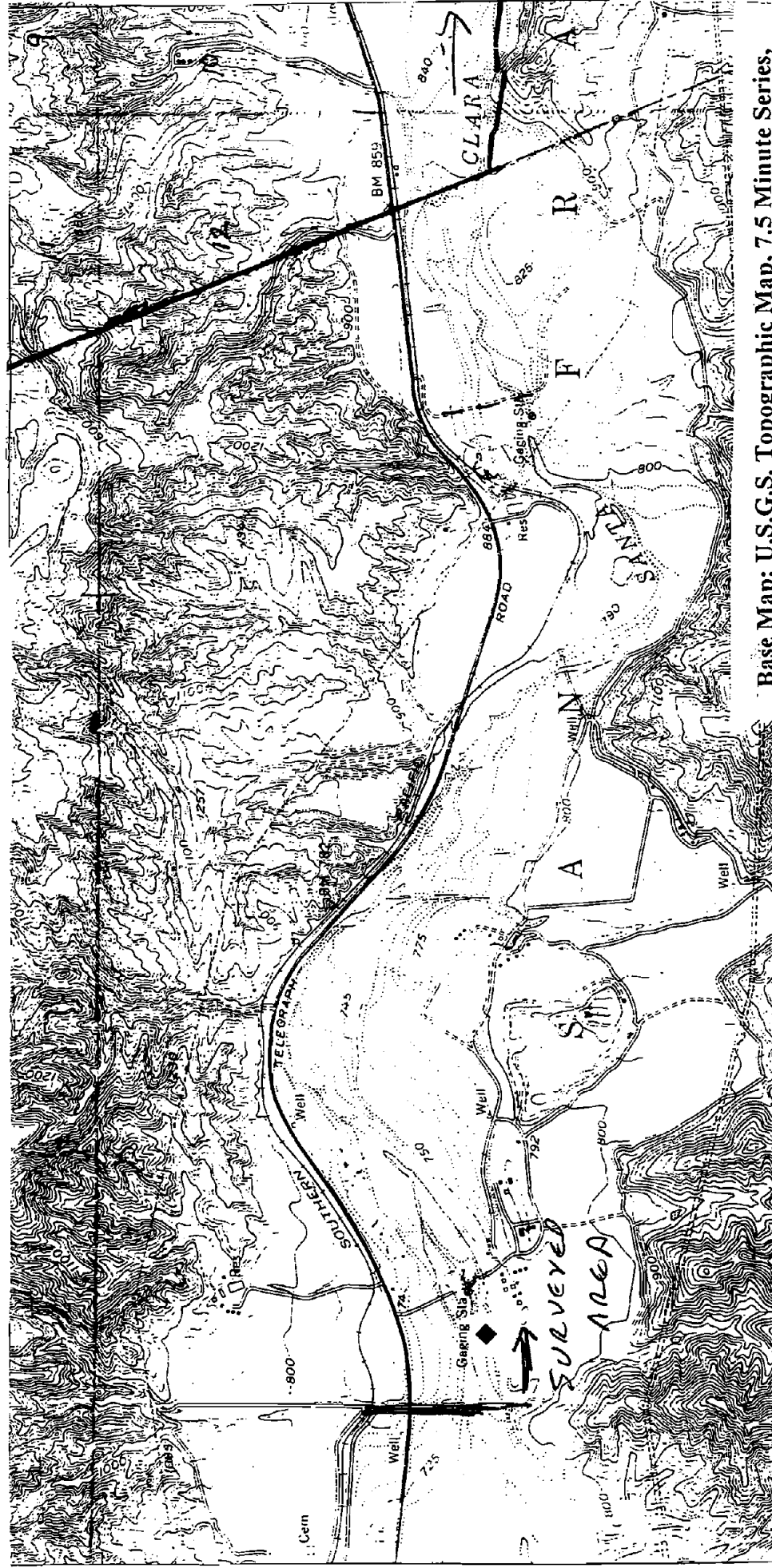
Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes No (circle one)

If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may 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.

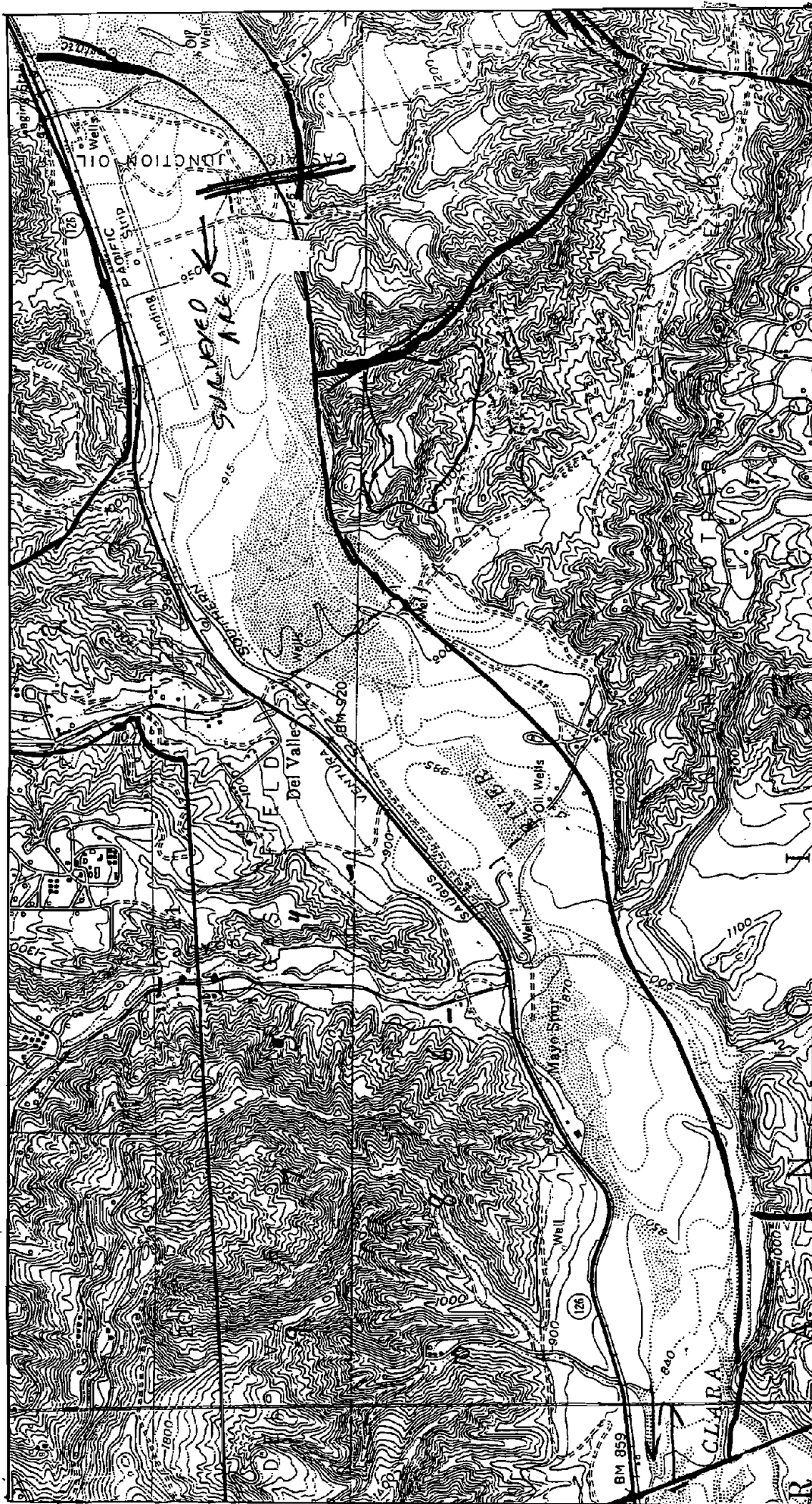
Comments (attach additional sheets if necessary):

Figure 1. Location of southwestern willow flycatcher sightings, 2001.



Base Map: U.S.G.S. Topographic Map, 7.5 Minute Series,
Val Verde Quadrangle, 1952. Photorevised, 1969.

◆ - location of June 9th sighting.



**Base Map: U.S.G.S. 7.5 minute topographic map for
Val Verde, California, 1952, photorevised 1969.**