

CONSERVATION WORKSHOP: LEAST BELL'S VIREO

24-26 April 2018



**US Army Corps
of Engineers®**
Engineer Research and
Development Center



Conservation Workshop: Least Bell's Vireo

Objectives: To facilitate collaboration in conservation of listed species, with least Bell's vireo as an example. To review section 7(a)(1) of the Endangered Species Act. To outline least Bell's vireo ecosystem processes, life history, threats, and conservation solutions. To collaboratively develop and organize agency commitments towards conservation measures.

Workshop Dates and Location: The workshop will be held, April 24-25-26 (Tuesday – Wednesday – Thursday), at the U.S. Fish and Wildlife Service Office in Carlsbad, California (about 30 miles north of San Diego).

**Carlsbad Fish and Wildlife Office
2177 Salk Avenue, Suite 250, Conference Room 1.
Carlsbad, CA 92008 (760) 431-9440**

Airports: The workshop location is 35 miles (about 45-65 minutes drive in typical traffic) north of San Diego International Airport, and 3 miles north of McClellan-Palomar Airport (a smaller regional airport with limited passenger service). Both locations have rental cars.

Parking: Parking lot (free) is available directly adjacent to the workshop facility

Directions: See maps below

Restaurant Options: See list below

Lodging: Hotels are found in the surrounding Carlsbad area at driving distances. Public transportation is not readily available. Few hotels are within normal walking distances to the workshop (the Marriott below is an exception). Below are some suggestions:

<https://www.marriott.com/hotels/travel/sanccs-courtyard-san-diego-carlsbad-mcclellan-palomar-airport/>

<https://sandiegocarlsbad.place.hyatt.com/en/hotel/home.html>

<http://www.marriott.com/hotels/travel/sanccb-residence-inn-san-diego-carlsbad/?scid=bb1a189a-fec3-4d19-a255-54ba596febe2>

General Overview

Day 1 - Regulatory context; least Bell's vireo natural history, status, ecosystem features, and stressors; agency opportunities.

Day 2 - Agency and organization initiatives and programs; least Bell's vireo stressors (continued), solutions, and collaboration on opportunities and commitments.

Day 3 - Working group: continued discussion of concerns, solutions, and collaborative commitment development.

Meeting Deliverable: Draft Interagency Least Bell's Vireo Conservation Plan

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DAY 1 - TUESDAY – April 24, 2018	
8:30 – 9:00	Sign-in and Networking
9:00 – 9:15	Open Workshop – Objectives and Meeting Structure – Jon Avery, USFWS, Carlsbad Fish and Wildlife Office <ul style="list-style-type: none"> - Introductions - Meeting objectives and review of agenda - Introduction to the basic links between ecosystem processes and least Bell's vireo breeding habitat
9:20 – 9:50	Status History of Least Bell's Vireo and the Basics of Section 7(a)(1) - Larry Salata, USFWS, Portland Regional Office, by phone.
9:50 – 10:20	CWPRI – CWPRI Partnership - Ryan Orndorff, Department of Defense, Readiness and Environmental
10:20 – 10:50	Least Bell's Vireo – Life History and Status Overview - Dr. Barbara Kus, USGS, San Diego, CA
10:50 – 11:00	BREAK
11:00 – 11:30	Least Bell's Vireo – Stressors and Threats. Peter Beck, USFWS, Carlsbad Fish and Wildlife Office, USFWS
11:00-11:30	Least Bell's Vireo – Status of Recovery Plan and 5-year Review/ Sensitive Species Known to Utilize Least Bell's Vireo Breeding Habitat. Gjon Hazard, USFWS, Carlsbad Fish and Wildlife Office
11:30 – 12:00	Least Bell's Vireo - Map Exercise
12:00 – 1:00	LUNCH AND NETWORKING
1:00 – 1:30	Least Bell's Vireo – Stream/Riparian Water Hydrographs and Fluvial Sediment: Reliance and Modifications on the Coastal Slope of California. Tory Walker, Tory Walker Engineering, Vista, CA
1:30 – 2:00	Least Bell's Vireo – The Future of Stream Water in Coastal Southern California. Chris Medak, USFWS, Carlsbad Fish and Wildlife Office
2:00 – 2:30	Least Bell's Vireo – Hydrology and riparian vegetation on the Coastal Slope of California. Jon Avery, USFWS, Carlsbad Fish and Wildlife Office
2:30 - 3:00	Least Bell's Vireo – Linkages between riparian vegetation and the insects of Least Bell's Vireo Habitat. Dr. Daniel Marschalek, Assistant Professor, University of Central Missouri, by phone
3:00 – 3:10	BREAK
3:10 – 3:40	Least Bell's Vireo – Brown-headed cowbirds natural history and their effects on least Bell's vireo and other sensitive birds. Mary Whitfield, Research Director, Southern Sierra Research Station, by phone.
3:40 – 4:40	Breakout Exercise: Potential solutions to stressors on least Bell's vireo; form groups of 4-8 persons). Breakout by geographical areas. Discussion by geographical area to identify important drainages, stressors, ideas, opportunities, constraints, solutions, agencies, industries, land uses, water withdrawals, potential commitments and collaboration. Map use.
4:40 – 4:50	Prep for the Next Day. Dr. Richard Fischer, USACOE, ERDC
4:50	End Day 1

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DAY 2 – WEDNESDAY, April 25, 2018	
8:30 – 9:00	Networking
9:00 – 9:15	Summary of Day 1- Dr. Richard Fischer, USACOE, ERDC
INITIATIVES AND PROGRAMS	
9:15 – 9:45	U.S. Army Corps of Engineers – Second Day Workshop Overview/ ACOE Threatened and Endangered Species Team. Richard Fischer
9:45 – 10:15	DoD REPI – [REPI Program Outline] Ryan Orndorff, Department of Defense, Readiness and Environmental
10:15 – 10:25	Natural Resources Conservation Service – The Working Lands for Wildlife Initiative. Thomas Moore, USDA Natural Resources Conservation Service, Davis, CA
10:25 – 10:35	Bureau of Land Management – [Endangered Species Recovery Program] Amy Fesnock, Wildlife and Listed Species Lead California State Office, BLM
10:35 – 10:45	U.S. Army Corps of Engineers – [Los Angeles District Presentation] – Edward DeMesa, USACOE, Los Angeles District
10:45 – 10:55	U.S. Bureau of Reclamation – [Location and Status of BR Facilities in the Historic Range of Least Bell's Vireo] Doug McPherson, Environmental Protection Specialist, Southern California Area Office
10:55 – 11:05	BREAK
11:05 - 11:15	U.S. Forest Service – [FS Riparian Conservation Programs in CA] Patti Krueger, TES Co-leader, Pacific SW Division
11:15 – 11:25	DoD, USMC Camp Pendleton – Riparian Programmatic Consultation. Colin Lee, Riparian Biologist, USMC Camp Pendleton
11:25 – 11:35	National Fish and Wildlife Foundation – [NFWF Work for Positive Species Outcomes and Funding Potential to Support CWPRI Effort] – Jody Olson, Director Federal Relations
11:35 – 11:45	Defenders of Wildlife [Defenders Support for Carlsbad Recovery Efforts] – Jake LI, Director, Center for Conservation Innovation
11:45 – 11:55	American Bird Conservancy [ABC and SW Riparian Birdscape Initiative] - David Younkman, VP Western Region
11:55 – 1:00	LUNCH AND NETWORKING
1:00 – 1:30	Least Bell's Vireo – Shot Hole Borer in California. Dr. Akif Eskalen, University of CA, Riverside
1:30 – 2:00	Least Bell's Vireo – The Potential Futures for the Vireo. Water, cowbirds, invasive species, shot-hole borer, and restoration. Table Discussion and Q/A: Barbara Kus, Peter Beck, Jon Avery, Chris Medak, Gjon Hazard.

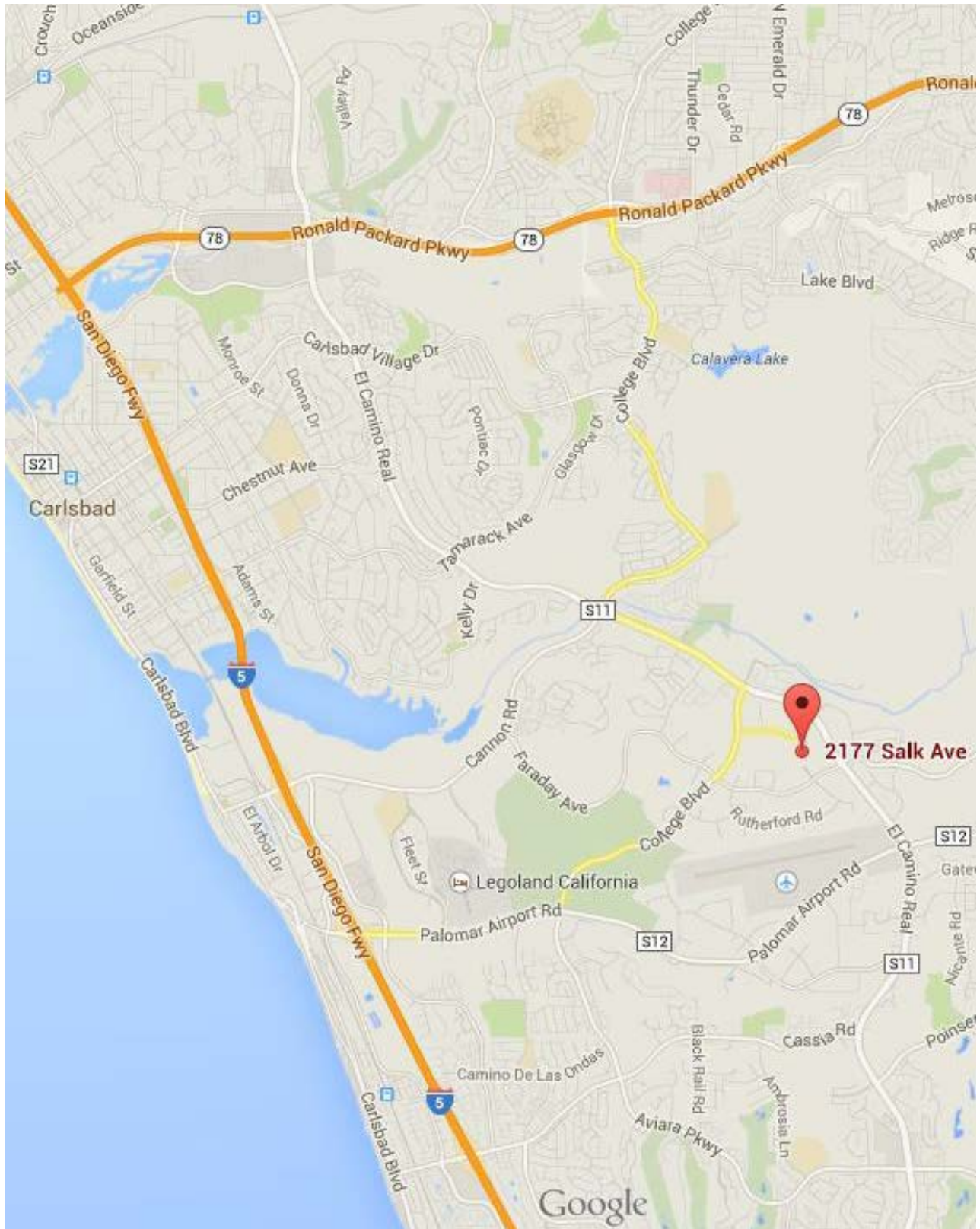
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2:00 – 2:30	Least Bell's Vireo – What is Needed for Conservation in the Next Two Decades? Table Discussion and Q/A: Barbara Kus, Peter Beck, Jon Avery
2:30 – 2:40	Break
2:40 – 4:00	Solutions – Putting potential solutions on the table. Ideas and concepts from attendees. First half: Small group discussions on highest priority solutions. Second half: report out to whole group. Ryan Orndorff lead.
4:00 – 4:40	Least Bell's Vireo Rangewide Conservation Planning – Putting it all together in a 7(a)(1) framework. Facilitated Discussion and Q/A: Outlines for 7(a)(1) plan, agency commitments populated by geographic area. Jonathan Snyder, USFWS, Carlsbad Fish and Wildlife Office, Jon Avery, Richard Fischer, Ryan Orndorff
4:40 – 4:50	Day Two Summary and Action Items. Richard Fischer
4:50 – 5:00	Looking Ahead to Day Three. Ryan Orndorff
5:00	End Day 2

DAY 3 – Thursday, April 26, 2018

8:30 – 9:00	Networking
9:00 – 9:15	Summary of Day 2 / Day 3 lead off - Ryan Orndorff
9:15 – 11:00	Working Group – Agency open questions, concerns, and comments. Agency commitment organization and collaboration. Map reviews. How does this relate/apply to other listed species? Putting it all together in a 7(a)(1) framework (continued discussion). Process moving forward. Solutions/outcomes into action – rangewide steps, plan, and implementation. Agency follow-up. Jon Avery and Ryan Orndorff lead
11:00 – 11:30	Workshop Summary, Questions, Action Items, and Wrap Up. Ryan Orndorff
11:30	End Workshop

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DRIVING DIRECTIONS:

Conservation Workshop: Least Bell's Vireo

Carlsbad Fish and Wildlife Office
2177 Salk Avenue, Suite 250
Carlsbad, CA 92008 (760) 431-9440

From I-5

Exit Palomar Airport Road and go east
Turn Left on College Blvd (north)
Turn Right on Salk Avenue (east)
Turn right into first accessible driveway
Turn into the parking lot on the right

From CA-78 East

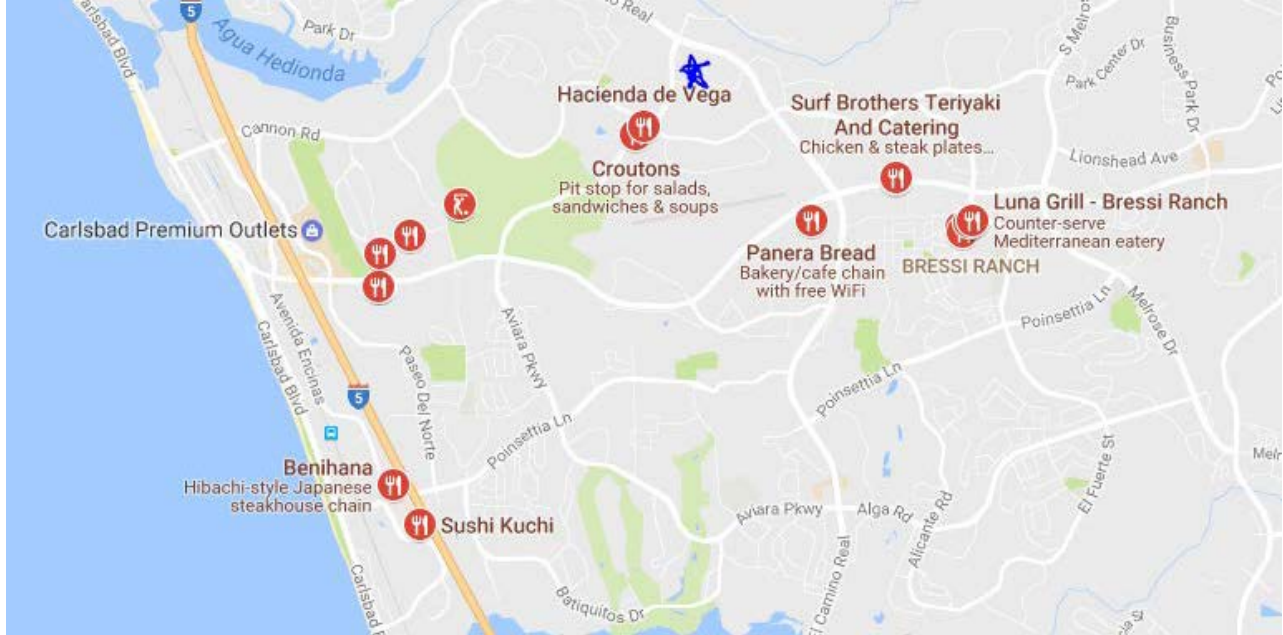
Exit College Blvd and turn left (south) onto Vista Way
Turn Left onto College Blvd.
Turn Left on El Camino Real (east)
Turn Right on College Blvd (south)
Turn Left on Salk Avenue (east)
Turn right into first accessible driveway
Turn into the parking lot on the right

From CA-78 West

Exit College Blvd and go south
Turn Left on El Camino Real (east)
Turn Right on College Blvd (south)
Turn Left on Salk Avenue (east)
Turn right into first accessible driveway
Turn into the parking lot on the right

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Restaurant Options



Punjabi Tandoor

4.4 (66) · Indian 5812 Van Allen Way

Quick bite · Casual · Locals

Croutons

3.9 (12) · Restaurant

Relaxed counter-serve snack bar serving up classic sandwiches, salads, soups & more. 5814 Van Allen Way

Quick bite · Casual · Locals

California Cafe

4.7 (6) · \$ · Cafe

2205 Faraday Ave

Prepared foods · Coffee · Quick bite

Jamba Juice Palomar Commons

3.9 (14) · \$ · Juice Shop Straightforward counter-serve chain for smoothies, juices & health-focused light bites 2505 Palomar Airport Rd #101

The Landings At Carlsbad

4.2 (50) · \$\$ · American

Airport-adjacent eatery with an eclectic American menu, a modern space & a patio with runway views.

2198 Palomar Airport Rd Tourists · Coffee · Quick bite

Chipotle Mexican Grill

4.1 (66) · \$ · Mexican

Fast-food chain offering Mexican fare, including design-your-own burritos, tacos & bowls.

2505 Palomar Airport Rd #100

Quick bite · Usually a wait · College students

Noodles and Company

3.8 (20) · \$\$ · Restaurant

Counter-serve chain offering international noodle & pasta dishes from mac 'n' cheese to pad Thai.

2521 Palomar Airport Rd Quick bite · Casual · Locals

Jersey Mike's Subs

4.6 (25) · \$ · Sandwich

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New Jersey-based counter-serve sandwich chain serving jumbo subs filled with cold cuts & toppings.

2521 Palomar Airport Rd #6

Quick bite · Casual · Locals

Five Guys

4.5 (45) · \$ · Fast Food

Fast-food chain with made-to-order burgers, fries & hot dogs, plus free peanuts while you wait.

Palomar Commons, 2519 Palomar Airport Rd Quick bite · Casual · Takeout

Panera Bread

3.9 (55) · \$ · Sandwich

Counter-serve bakery/cafe chain serving sandwiches, salads & more, known for its bread & free WiFi.

2521 Palomar Airport Rd

Coffee · Vegetarian options · Takeout

Surf Brothers Teriyaki and Catering

4.3 (55) · \$\$ · Restaurant

Counter-service spot offers chicken & steak teriyaki plates (with rice & salad) amidst surf murals.

2708 Loker Ave W #103 Quick bite · Casual · Locals

The Crossings at Carlsbad

4.3 (78) · Public Golf Course 5800 The Crossings Dr

Kasi Fresh.Fast.Indian

3.7 (45) · \$ · Indian

Counter-serve eatery featuring a short menu of health-minded Indian dishes & naan.

2675 Gateway Rd #101 Quick bite · Casual · Locals

Pieology Pizzeria

4.2 (38) · Pizza

Chain pizzeria serving oven-fired pies made with a diverse range of sauces, cheeses & toppings. 2647

Gateway Rd #101

Quick bite · College students · Casual

Luna Grill - Bressi Ranch

4.1 (55) · \$\$ · Mediterranean

Kebabs, salads & other Mediterranean eats offered in a relaxed, counter-serve setting. 2681 Gateway

Rd Quick bite · Casual · Locals

Rubio's Coastal Grill

4.2 (29) · \$ · Mexican

Beach-themed chain known for Baja-style fish tacos & Mexican-inspired seafood entrees.

2675 Gateway Rd #104 Quick bite · Casual · Locals

Tommy V's Urban Kitchen & Bar

4.2 (46) · Restaurant

Eclectic American menu is served in a semi- formal space with patio seats & occasional live music.

2659 Gateway Rd

Coffee · Great cocktails · Great wine list

Karl Strauss Brewing Company

4.2 (258) · \$\$ · Brewpub

Chain brewpub offering American bar food with a gourmet twist alongside house-brewed craft ales.

5801 Armada Dr

Food · Great beer selection · Great bar food

Burger Lounge

4.5 (83) · \$ · American

Modern counter-serve burger spot serving grass-fed beef, free-range turkey & quinoa varieties.

961 Palomar Airport Rd

Quick bite · College students · Casual