Wildlife Conservation Board Meeting
March 7, 2019, 10:00am
Natural Resources Building,
First Floor Auditorium
1416 9th Street, Sacramento, California 95814
#3. Funding Status-Informational

<table>
<thead>
<tr>
<th>Public Resources Code Section</th>
<th>Program</th>
<th>P-68 Bond Allocation</th>
<th>FY 2018-19 Local Assistance Allocation</th>
<th>FY 2019-20 Local Assistance Allocation</th>
<th>Estimated solicitation timing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>$275,000</td>
<td>$71,000</td>
<td>$133,875</td>
<td></td>
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</table>

**Chapter 7: California River Recreation, Creek, and Waterway Improvements Program**

80100 (a) The sum of one hundred sixty-two million dollars ($162,000,000) shall be available, upon appropriation by the Legislature, for grants pursuant to the California River Parkways Act of 2004 (Chapter 3.8 (commencing with Section 5750) of Division 5) and the Urban Streams Restoration Program pursuant to Section 7048 of the Water Code. Eligible projects shall include, but are not limited to, projects that protect and enhance urban creeks.

<table>
<thead>
<tr>
<th>80100</th>
<th>Wildlife Conservation Board</th>
<th>$10,000</th>
<th>$2,000</th>
<th>$7,250</th>
</tr>
</thead>
</table>

80100 (a)(3) Of the amount made available pursuant to this subdivision, ten million dollars ($10,000,000) shall be available to the Lower American River Conservancy Program pursuant to Chapter 10.5 (commencing with Section 5845) of Division 5.

| 80100 (a)(3) | Of the amount made available pursuant to this subdivision, ten million dollars ($10,000,000) shall be available to the Lower American River Conservancy Program pursuant to Chapter 10.5 (commencing with Section 5845) of Division 5. | $10,000 | $2,000 | $7,250 | Spring 2019 |
Chapter 8: State Conservancy, Wildlife Conservation Board, and Authority Funding

80110 The sum of seven hundred sixty-seven million dollars ($767,000,000) shall be available, upon appropriation by the Legislature, as described in this chapter.

80110(c) One hundred thirty-seven million dollars ($137,000,000) shall be available to the Wildlife Conservation Board.

<table>
<thead>
<tr>
<th>80111</th>
<th>Wildlife Conservation Board</th>
<th>$137,000</th>
<th>$39,000</th>
<th>$64,975</th>
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</thead>
<tbody>
<tr>
<td>80111 (a)</td>
<td>Five million dollars ($5,000,000) shall be available for the development of regional conservation investment strategies.</td>
<td>$5,000</td>
<td>$2,000</td>
<td>$2,625</td>
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<tr>
<td>80111 (b)</td>
<td>At least fifty-two million dollars ($52,000,000) shall be available for the acquisition, development, rehabilitation, restoration, protection, and expansion of habitat that furthers the implementation of natural community conservation plans adopted pursuant to the Natural Community Conservation Planning Act.</td>
<td>$52,000</td>
<td>$26,000</td>
<td>$22,100</td>
</tr>
<tr>
<td>80111 (c)</td>
<td>Up to ten million dollars ($10,000,000) may be granted to the University of California Natural Reserve System for matching grants for acquisition of land, construction and development of research facilities to improve the management of natural lands, for preservation of California's wildlife resources, and to further research related to climate change. The Wildlife Conservation Board shall establish a matching grant requirement for grants awarded pursuant to this subdivision.</td>
<td>$10,000</td>
<td>$4,000</td>
<td>$5,250</td>
</tr>
<tr>
<td>80111 (d)</td>
<td>The remainder of the amount available shall be available to the Wildlife Conservation Board to provide funding for the following projects: (1) Projects to protect and enhance national recreation areas serving heavily urbanized areas or, in coordination with the State Lands Commission, to acquire an interest in federal public lands that may be proposed for sale or disposal. (2) Projects according to the Wildlife Conservation Board's governing statutes for its specified purposes.</td>
<td>$70,000</td>
<td>$7,000</td>
<td>$35,000</td>
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</table>
#3. Funding Status - Informational

## Chapter 10: Climate Preparedness, Habitat Resiliency, Resource Enhancement, and Innovation

### 80130
The sum of four hundred forty-three million dollars ($443,000,000) shall be available, upon appropriation by the Legislature, as competitive grants for projects that plan, develop, and implement climate adaptation and resiliency projects. Eligible projects shall improve a community’s ability to adapt to the unavoidable impacts of climate change, improve and protect coastal and rural economies, agricultural viability, wildlife corridors, or habitat, develop future recreational opportunities, or enhance drought tolerance, landscape resilience, and water retention.

<table>
<thead>
<tr>
<th>80132</th>
<th>Wildlife Conservation Board</th>
<th>$128,000</th>
<th>$30,000</th>
<th>$61,650</th>
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</thead>
<tbody>
<tr>
<td>80132(a)</td>
<td>Eighteen million dollars ($18,000,000) shall be available to the Wildlife Conservation Board for direct expenditures pursuant to the Wildlife Conservation Law of 1947.</td>
<td>$18,000</td>
<td>$10,000</td>
<td>$6,650</td>
</tr>
<tr>
<td>80132(c)(1)</td>
<td>Thirty million dollars ($30,000,000) shall be available for the acquisition, development, rehabilitation, restoration, protection, and expansion of wildlife corridors and open space to improve connectivity and reduce barriers between habitat areas and to protect and restore habitat associated with the Pacific Flyway. In awarding grants pursuant to this subdivision, priority may be given to projects that protect wildlife corridors.</td>
<td>$20,000</td>
<td>$0</td>
<td>$10,000</td>
</tr>
<tr>
<td>80132(e)(1)</td>
<td>Sixty million dollars ($60,000,000) shall be available to the Wildlife Conservation Board for construction, repair, modification, or removal of transportation or water resources infrastructure to improve wildlife or fish passage.</td>
<td>$30,000</td>
<td>$10,000</td>
<td>$15,000</td>
</tr>
<tr>
<td>80132(f)</td>
<td>Sixty million dollars ($60,000,000) shall be available to the Wildlife Conservation Board for the protection, restoration, and improvement of upper watershed lands in the Sierra Nevada and Cascade Mountains, including forest lands, meadows, wetlands, chaparral, and riparian habitat, in order to protect and improve water supply and water quality, improve forest health, reduce wildfire danger, mitigate the effects of wildfires on water quality and supply, increase flood protection, or to protect or restore riparian or aquatic resources.</td>
<td>$60,000</td>
<td>$10,000</td>
<td>$30,000</td>
</tr>
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Solicitation in May.

Solicitation in March.

Solicitation in April.
#3. Funding Status-Informational

Wildlife Conservation Board Proposal Solicitation Notices

Corridors/Fish Passage

Lower American River Conservancy Program

Public Access

March

April

May

June

Monarch and Pollinator Rescue Program

Sierra Nevada/Cascades

Pacific Flyway
2.4 Support for the University of California Natural Reserve System (PRC section 80111[c])

This existing program within WCB was established specifically to implement the most critical projects within the University of California Natural Reserve System (UCNRS) to provide matching grants for acquisition of land, construction and development of research facilities to improve the management of natural lands, for preservation of California’s wildlife resources, and to further research related to climate change. To implement this program, the UCNRS Executive Director, directed by has established an Ad Hoc Bond Act Funds Advisory Subcommittee of the University-wide UCNRS Advisory Committee and informed by the respective campus UCNRS staff, for reviewing and setting priorities for project proposals for on behalf of the University of California Natural Reserve System. The highest ranking proposals are presented to the WCB for funding approval. WCB will continue to use these existing procedures in support of the UCNRS.
#9. Luffenholtz Transfer

Public access sign
Public Access deteriorating steps from parking lot to Luffenholtz Beach
#9. Luffenholtz Transfer

Closed dilapidated restrooms
#9. Luffenholtz Transfer

Public access outlook over Luffenholtz Beach
Looking south toward Moonstone Beach from public access outlook
#9. Luffenholtz Transfer

Looking north over Luffenholtz Beach
Deer Creek Irrigation District (DCID) diversion dam on Deer Creek
#10. Deer Creek Hydrological and Technical Studies

Upper section of the DCID irrigation ditch
Summer low-flow conditions several miles below the DCID diversion
#11. Lower Yuba River Excelsior, Phase III

Ground-water fed ponds
#11. Lower Yuba River Excelsior, Phase III

View from ridge overlooking the ponds
#11. Lower Yuba River Excelsior, Phase III

Annual grasslands and oak woodland
#11. Lower Yuba River Excelsior, Phase III

Signage at Black Swan Preserve
#11. Lower Yuba River Excelsior, Phase III

View from Black Swan Trail
#12. Yolo County HCP/NCCP Development, Phase IV

Vernal pool and grassland habitats
#12. Yolo County HCP/NCCP Development, Phase IV

Native Grasslands at Conway Ranch
#12. Yolo County HCP/NCCP Development, Phase IV

Burrowing Owl in the Bypass

Photo courtesy of Phil Hogan
#12. Yolo County HCP/NCCP Development, Phase IV

Irrigated pasture
#12. Yolo County HCP/NCCP Development, Phase IV

Alfalfa field above and Swainson Hawk in an Alfalfa Field on property to the right.

Photo courtesy of Bridgitte Clough
#12. Yolo County HCP/NCCP Development, Phase IV

Tri-colored blackbird
Mt. Tom and Round Valley to the south
#13. Wheeler Ridge, Expansion 9

Wheeler Ridge to the west
Mt. Tom and Round Valley to the south. Property is in the foreground.
#14. Wheeler Ridge, Expansion 10

Wheeler Ridge to the west
Looking northerly across the property with the Morongo Valley in the background.
#15. Coachella Valley Multi-Species Habitat Conservation Plan, Clifton-Lamb Property

Looking westerly across the property with San Jacinto mountain range in background.
Looking southerly to the property.
Looking easterly across the property.

#15. Coachella Valley Multi-Species Habitat Conservation Plan, Clifton-Lamb Property
Cactus Wren and Hermes Copper Butterfly Habitat Restoration Project
San Diego County

Project Site

HCP/NCCP
California Department of Fish and Wildlife
State
Federal
Other

Encinitas
San Elijo Lagoon ER
San Dieguito Reservoir
Lake Hodges
San Diego River
Mira Mesa
Torrey Pines SR
Del Mar Mesa
Lopez Ridge ER
Del Mar
Mira Mar
Lake Miramar
Lake Ramona
Santee
Lake Poway
Lake Jennings
El Capitan
El Cajon
San Diego County
Murray Reservoir
San Diego River
La Mesa
MCG Inty Mountain ER
Sycuan Peak ER
Chollas Reservoir
Sweetwater Reservoir
San Diego
5
8
15
52
56
67
805
209
163
274
15
8
5
94
94
54
54
75
5
5

Project Site

Cactus Wren and Hermes Copper Butterfly Habitat Restoration Project
San Diego County
#16. Cactus Wren and Hermes Copper Butterfly Habitat Restoration Project

Map of Lakeside Linkage Preserve
#16. Cactus Wren and Hermes Copper Butterfly Habitat Restoration Project

Lakeside Linkage Preserve 1
#16. Cactus Wren and Hermes Copper Butterfly Habitat Restoration Project

Lakeside Linkage Preserve 2
#16. Cactus Wren and Hermes Copper Butterfly Habitat Restoration Project

Previous cactus restoration in Lakeside Linkage Preserve
#17. Denk Mountain

Northeast view of subject property
#17. Denk Mountain

Westerly view of subject property
#17. Denk Mountain

Northerly view of subject property
On parcel -05, observed adult female coastal California gnatcatcher.
Facing south from northerly property line of Parcel -04 over coastal sage scrub habitat.

Photo courtesy of Michael Jefferson
#18. Van Dam Cornerstone

Facing west over eastern property line of Parcel -05 over coastal sage scrub habitat.

Photo courtesy of Michael Jefferson
Facing north to parcels -20 and -21 from southern property line over coastal sage scrub and chaparral habitat. Note informal trails.

Photo courtesy of Michael Jefferson
#18. Van Dam Cornerstone

Facing southeast from access point off Shoal Summit Drive; trail enters northern portion of Parcel 21.

Photo courtesy of Virginia Lorne
Will not involve significant policy decisions.

The cost and scope of the project will not change.

- Whether the entity is an eligible applicant under applicable program guidelines.
- Whether the entity has an organizational capacity that is substantially similar to or greater than that of the original grantee.
#20. Battle Creek Wildlife Area, Expansion 4

Battle Creek Expansion 4 parcel map
Yard and irrigation delivery ditch at the Carr Ranch Farm, Battle Creek Wildlife Area Expansion 4
Irrigation ditch from Battle Creek, which delivers water to Carr Ranch and neighboring properties.
Ranch house located on the Carr Ranch
Main barn located on the Carr Ranch
#20. Battle Creek Wildlife Area, Expansion 4

Typical Oak woodlands found on the Carr Ranch
#20. Battle Creek Wildlife Area, Expansion 4

Typical Grasslands found on the Carr Ranch
North Table Mountain Ecological Reserve Public Access Improvements

Butte County
#21. North Table Mountain Ecological Reserve Public Access Improvements

North Table Mountain Ecological Reserve is a wild flower destination
#21. North Table Mountain Ecological Reserve Public Access Improvements

Existing access road and parking lot
North Table Mountain Ecological Reserve has spectacular spring wild flowers.
#21. North Table Mountain Ecological Reserve Public Access Improvements

Public access improvements will make the beauty and diversity of North Table Mountain Ecological Reserve accessible to everyone.
Gray Lodge Wildlife Area
Fishing Access Pier
Butte County
Gray Lodge Wildlife Area is a popular bird watching destination
#22. Gray Lodge Wildlife Area
Fishing Access Pier

Gray Lodge Wildlife Area facing south towards the Sutter Buttes
Gray Lodge Wildlife Area provides public access, informational tours, and wildlife viewing.
Sunset at Gray Lodge Wildlife Area
Fishing Access Pier
WCB Climate Adaptation and Resilience Program (CARP) - Introduction

Created by statute (AB 109) in September 2017 to provide Greenhouse Gas Reduction Funding for local assistance ($20M).

Purposes of CARP:
- Protect and restore natural ecosystems to provide resilience to climate change
- Assist natural and working lands managers in adapting to and becoming more resilient to climate change
- Facilitate the reduction of GHG emissions
- Increase carbon sequestration in natural and working lands
- Provide additional social, economic, and environmental benefits
WCB Climate Adaptation and Resilience Program – Project Types

- Acquisitions of conservation easements (60%)
- Implementation
- Planning
- Technical Assistance
Pre-applications: $105,059,887
Complete proposals: $32,275,798
Finalists: $18,486,131
#23. Northern California Climate Adaptation Project

**Purpose:**
Assess climate change impacts on key habitats and species in northwestern California, and develop adaptation options that can be integrated into local and regional plans.
#23. Northern California Climate Adaptation Project - Products

- Stakeholder working group
- Vulnerability maps
- Adaptation implementation plans
#23. Northern California Climate Adaptation Project - Habitats

- Riverine/riparian
- Redwood forest
- Lake/pond
- Freshwater marsh
- Coastal
#23. Northern California Climate Adaptation Project - Species

- Pacific fisher
- Bank swallow
- Green sturgeon
- Salmon
- Spotted owl
#24. Whiskey Hill Conservation Easement

View looking east from main entry
#24. Whiskey Hill Conservation Easement

Cattle grazing on property, dense oak woodland in back
Looking north, property runs nearly to the ridgeline.
#24. Whiskey Hill Conservation Easement

Seasonal ponds on property
#24. Whiskey Hill Conservation Easement

Viewshed from Highway 20
#24. Whiskey Hill Conservation Easement
Sage and Joshua trees located on the property.

Photo courtesy of The Trust for Public Land
#25. Desert Springs and Desert Springs Expansion 1

Beginning point of a spring on the property

Photo courtesy of The Trust for Public Land
Looking west at the property near Kelso Valley Road

Photo courtesy of The Trust for Public Land
#25. Desert Springs and Desert Springs Expansion 1

One of the desert springs on the property

Photo courtesy of The Trust for Public Land
#26. Portal Ridge, and Expansion 1

Mountain Lion on western side of property

Photo courtesy of Transition Habitat Conservancy
#26. Portal Ridge, and Expansion 1

Monarch Butterfly identification conducted on property

Photo courtesy of Transition Habitat Conservancy
#26. Portal Ridge, and Expansion 1

View looking northeast to Antelope Valley California Poppy Reserve

Photo courtesy of Transition Habitat Conservancy
#26. Portal Ridge, and Expansion 1

Mother and cub on western slope of Portal Ridge

Photo courtesy of Transition Habitat Conservancy
Numerous trail for hikers and horses are located in the area and planned for the property

Photo courtesy of Transition Habitat Conservancy
#27. Western Spadefoot Habitat Restoration and Seasonal Pool Creation

Southern Orange County
#27. Western Spadefoot Habitat Restoration and Seasonal Pool Creation

Crystal Cove State Park and Laguna Coast Wilderness Park
#27. Western Spadefoot Habitat Restoration and Seasonal Pool Creation

Crystal Cove State Park
#27. Western Spadefoot Habitat Restoration and Seasonal Pool Creation

Laguna Coast Wilderness Park
The Western Spadefoot Toad (*Spea hammondii*)

- California Department of Fish and Wildlife Priority 1 Species of Special Concern

- Currently being reviewed by the US Fish & Wildlife Service for listing under the Endangered Species Act (ESA).

- Listed in the County of Orange Central & Coastal Subregion NCCP/HCP, as an “Identified Species”, mandating active management of the species as if it were covered under the Federal and California ESAs.

Photo courtesy of Adam Backlin/USGS
#27. Western Spadefoot Habitat Restoration and Seasonal Pool Creation

Large seasonal pool with western spadefoot tadpoles
#27. Western Spadefoot Habitat Restoration and Seasonal Pool Creation

Typical seasonal pools
The proposed project will result in increased breeding and foraging opportunities through the construction of 16 new breeding pools totaling close to 16,000 square feet of surface water in wet years.

Larval development requires ephemeral pools to persist long enough to complete development.

Longer periods of larval development resulting in larger juveniles with greater fat reserves at metamorphosis, equating to higher survivorship as adults.

Construction of 3 to 4 very large pools (with dimensions of 75' by 35' or greater) that will be designed to provide breeding habitat for spadefoot toads in years with normal to modest rainfall.

Smaller constructed pools would be positioned to complement the larger pools and help facilitate dispersal among ponds during big rain events, reinforcing the natural cycle of toad populations increasing in wet years.
Western Spadefoot Habitat Restoration and Seasonal Pool Creation

- 15 acres of coastal sage scrub will be restored
- Provides foraging opportunities during the dry season
- Aids toad dispersal from overcrowded pools
#27. Western Spadefoot Habitat Restoration and Seasonal Pool Creation

- Project area historically supported a number of Cactus Wren, but populations have yet to recover from the 1993 Laguna Fire

- Currently it is one of three “Target Species” for the Coastal Sage Scrub Natural Community Conservation Plan program

- 125-150 mature, 3 ft tall clumps of salvaged prickly pear cactus and 2,000 salvaged cactus pads will be planted

Photo courtesy of the Natural Communities Coalition
#28. Western Riverside MSHCP (Chappell)

Northeast view of subject property
Southeast view of subject property. Encroaching development to the south. Conserved lands to the east.
#28. Western Riverside MSHCP (Chappell)

Southwest view of subject property
#28. Western Riverside MSHCP (Chappell)

Northwest view of subject property. Encroaching development.
Flooded wetland unit looking east.
#29. Imperial Wildlife Area Wetland Restoration, Wetlands Units T10 and S22

Wetland unit T10
#29. Imperial Wildlife Area Wetland Restoration, Wetlands Units T10 and S22

Wetland unit S22
Water delivery ditch looking east, choked with vegetation
Water delivery ditch looking west, choked with vegetation
The annual Xerces Western Monarch Thanksgiving Count showed that the population hit a record low: **28,429 butterflies**. This number is an 86% drop from the previous count done at Thanksgiving 2017, and a 99.4% decline from the numbers present in the 1980s.
#30. Monarch Butterfly and Pollinator Rescue Program

- Assembly Bill 2421 established the Monarch Butterfly and Pollinator Rescue Program, to be administered by the Wildlife Conservation Board.
#30. Monarch Butterfly and Pollinator Rescue Program

WCB funds can be directed towards projects that recover and sustain populations of monarch butterflies and other pollinators.

A monarch flies over showy milkweed (A. speciosa). (Photo: Xerces Society / Stephanie McKnight)
Eligible recipients may include:

- Private landowners
- Nonprofit organizations
- Resource conservation districts
- Public agencies
Examples of project types that may be eligible are:

- Restoration or enhancement of breeding habitat for monarch butterflies and pollinators on private and public lands.

- Restoration or enhancement of overwintering monarch butterfly habitat on private and public lands.

- Projects may be for seasonal or temporary habitat improvements.

Monarch nectaring on rabbitbrush. (Photo: Xerces Society / Stephanie McKnight)
WCB will solicit grant proposals with the release of a Public Solicitation Notice made available on the WCB website (www.wcb.ca.gov).
Applications will be accepted on a year-round basis.

Final funding decisions will be made by the Wildlife Conservation Board at a regularly scheduled Board meetings.

Green lacewings are natural predators of aphids and other crop pests. Conservation biocontrol is an environmentally sound alternative to pesticides. (Photo: Judy Gallagher / Creative Commons 2.0 License)
Moneys may be deposited into the account from gifts, donations, funds appropriated by the Legislature, or from federal grants or other sources.
#31. Strategic Plan Update

New Program Funding - 2014-2019

- Proposition 1
  - Enhanced Stream Flows*

- Proposition 68
  - Lower American River Program*
  - NCCP, RCIS*, UC Reserve
  - Existing Programs
  - Pacific Flyway
  - Wildlife Conservation Law Direct Expenditures
  - Wildlife Corridors, Transportation and Water Infrastructure
  - Sierra Nevada and Cascade

- State Budget Allocation
  - Monarch Butterfly and Pollinator Rescue Program*

- Climate Adaptation and Resiliency Program*
  - * Denotes new program since 2014
Conservation Trends - 2014-2019

- Fire
- Access and Wildlife Oriented Recreation
- Water Conservation and Management
- Land Management
- Habitat Restoration and Acquisition
- Climate Change
- Species Recovery and Management
- Biodiversity
Strategic Plan Update Elements

- Public Access
- Coordination with State Policies
- Ecosystem Services
- Climate Change
- Monitoring and Program Evaluation
- Conservation Goals, Objectives, Priorities
- Natural Resources Leadership
#31. Strategic Plan Update

Strategic Plan Update Timeline

- Assessment and Survey (Jan – Feb)
- Outreach (Feb – April)
  - WCB Managers and staff
  - Board subcommittee
  - Key stakeholders and organizations
  - Legislative/Budget staff
- Administrative draft (May)
- Finalize Update (June – July)
- Presentation to Full Board (August)