

# Central Valley Priority Natural Resources

(H) = High Priority, (M) = Medium Priority for Vulnerability Assessment

Upland	
Natural Resource	Type
Chaparral and serpentine shrublands (H)	Sub-Habitat
Oak foothill pine woodland (H)	Sub-Habitat
Oak woodland (H)	Sub-Habitat
Cavity nesters and roosters (H)	Species Group
Mast-associated species (H)	Species Group
Western bumblebee and pollinators (H)	Species Group
Red-legged frog (H)	Individual Species
Valley oak (H)	Individual Species
Yellow-billed magpie (H)	Individual Species
Yellow-legged frog (H)	Individual Species
Swainson's hawk (M)	Individual Species
Wetland	
Natural Resource	Type
Flooded cropland (H)	Sub-Habitat
Permanent wetlands (H)	Sub-Habitat
Seasonal wetlands and saline playas (H)	Sub-Habitat
Wetland-dependent mammals (H)	Species Group
Wetland-dependent reptiles (H)	Species Group
Wetland-obligate plants (H)	Species Group
Wintering and breeding water birds (H)	Species Group
Wintering shorebirds (H)	Species Group
Dragonflies and damselflies (H)	Species Group
Mallard (H)	Individual Species
Tricolored Blackbird (H)	Individual Species
Estuarine (M)	Sub-Habitat
Semi-permanent wetlands (M)	Sub-Habitat
Tidal wetlands and salt marsh (M)	Sub-Habitat

Riparian/Riverine	
Natural Resource	Type
Floodplain (H)	Sub-Habitat
Riparian Vegetation/Natural Riverbank (H)	Sub-Habitat
Stream Channel (H)	Sub-Habitat
Amphibians (H)	Species Group
Riparian nesting birds (H)	Species Group
Salmonids (H)	Species Group
Green sturgeon (H)	Individual Species
Pacific lamprey (H)	Individual Species
Hardhead (M)	Individual Species
Native clams and mussels (M)	Species Group
Sacramento perch (M)	Individual Species
Splittail (M)	Individual Species
Desert/Grassland	
Natural Resource	Type
Dunes (H)	Sub-Habitat
Grasslands (H)	Sub-Habitat
San Joaquin Desert (H)	Sub-Habitat
Vernal pools and swales (H)	Sub-Habitat
Burrowing mammals (H)	Species Group
Grassland "shorebirds" (H)	Species Group
Kangaroo Rats (H)	Species Group
Vernal pool crustaceans (H)	Species Group
Blunt-nosed leopard lizard (H)	Individual Species
Western burrowing owl (H)	Individual Species
Native perennial bunch grasses (M)	Species Group
Orcuttia grasses (M)	Species Group
Atriplex polycarpa (M)	Individual Species
Ephedra californica (M)	Individual Species

## Group Assignments

### Desert/Grassland

Pelayo Alvarez  
Kristin Byrd  
Kim Delfino  
Ken Sanchez  
Michelle Selmon  
Joe Silveria  
Justin Sloan  
Sam Veloz  
Mike Westphal

### Upland

Tom Hedt  
Christopher Gardner  
Cathy Johnson  
Thomas Leeman  
Rodd Kelsey  
Laura Patterson  
Mark Pelz  
Jim Quinn  
Jim Weigand

### Riparian/Riverine

Reyn Akiona  
Jennifer Cavanaugh  
Erin Chappell  
Patrick Huber  
Javier Linares-Casenave  
Chad Moore  
Chad Roberts  
Kevin Shaffer  
Kim Webb  
Kaylene Keller

### Wetland

Karen Buhr  
Brian Cary  
Kim Forrest  
Dan Frisk  
Brian Halstead  
Matt Hamman  
Karen Laing  
Misty Nelson  
Greg Yarris

## Central Valley Priority Natural Resources

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Blank rationale cells indicate only rationale was "high management importance".

Upland			
Natural Resource	Type	Representative Species	Rationale
Chaparral and serpentine shrublands (H)	Habitat		
Oak foothill pine woodland (H)	Habitat	Foothill pine, blue oak, interior live oak, California buckeye, ceanothus and manzanita spp., redbud	
Oak woodland (H)	Habitat	Blue oak, interior live oak, buckeye, CA coffeeberry, CA Buckeye and Manzanita spp. Mixes with CA Juniper in south Coast and Sierra Ranges.	
Cavity nesters and roosters (H)	Species Group	Covers birds and bats.	
Mast-associated species (H)	Species Group	Covers deer and some birds.	
Western bumblebee and pollinators (H)	Species Group		
Red-legged frog (H)	Species		
Valley oak (H)	Species		
Yellow-billed magpie (H)	Species		Endemic
Yellow-legged frog (H)	Species		
Swainson's hawk (M)	Species		

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Wetland			
Natural Resource		Representative Species	Rationale
Flooded cropland (H)	Habitat		
Permanent wetlands (H)	Habitat	Song sparrow, least bittern (breeding), gadwall.	
Seasonal wetlands and saline playas (H)	Habitat	Greater and lesser sandhill cranes, northern pintail, semipalmated sandpiper, long-billed dowditcher, dunlin.	
Wetland-dependent mammals (H)	Species Group		
Wetland-dependent reptiles (H)	Species Group	Giant garter snake, western pond turtle	
Wetland-obligate plants (H)	Species Group		
Wintering and breeding water birds (H)	Species Group	Long-legged waders and secretive marshbirds, represented by black-necked stilt and white-faced ibis.	
Wintering shorebirds (H)	Species Group	Wading birds that require shallow, open water.	
Dragonflies and damselflies (H)	Species Group		
Mallard (H)	Species		Reliant on Semi-perm/perm wetlands for nesting, as well as growing rice in the Sacramento
Tricolored Blackbird (H)	Species		
Estuarine (M)	Habitat		More of a bay-delta focus, but important system.
Semi-permanent wetlands (M)	Habitat		Less management importance. Different from seasonal wetlands.
Tidal wetlands and salt marsh (M)	Habitat	Represented by black rail.	A lot of work is being done already. Also, there is less management importance.

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Riparian/Riverine			
Natural Resource	Type	Representative Species	Rationale
Floodplain (H)	Habitat		Highly managable natural and human-induced inundation system, important for connectivity, Bypasses included.
Riparian Vegetation/Natural Riverbank (H)	Habitat	willow and riparian woodland, and covers Fremont cottonwood, bank swallow, and yellow-billed cuckoo, riparian brush rabbit, riparian woodrat, Valley Elderberry Longhorn Beetle, Least Bell's Vireo	Connectivity importance, nursery habitat
Stream Channel (H)	Habitat		Nursery habitat, important for fish passage
Amphibians (H)	Species Group		
Riparian nesting birds (H)	Species Group	Includes songbirds, birds of prey, and egrets and herons.	May lose important distinction between species, but want to cover whole group
Salmonids (H)	Species Group	Steelhead, chinook salmon	Steelhead conservation translates into suitable conditions for a plethora of aquatic species. Chinook are more sensitive.
Green sturgeon (H)	Species		
Pacific lamprey (H)	Species		Common species that many other depend on
Hardhead (M)	Species		Represents foothill streams
Native clams and mussels (M)	Species Group		
Sacramento perch (M)	Species		
Splittail (M)	Species		Spawning success highly sensitive to fluctuations under different precipitation regimes.

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<b>Desert/Grassland</b>			
Natural Resource	Type	Representative Species	Rationale
Dunes (H)	Habitat		High endemism, dependent on alluvial deposition, unique in that they have low value in conversion to agriculture or rangelands
Grasslands (H)	Habitat	Native and non-native	Important native/non-native species conversions, temperature and precipitation are key drivers of conversion to other habitats
San Joaquin Desert (H)	Habitat		Important to the San Joaquin and Tulare Basins
Vernal pools and swales (H)	Habitat	California tiger salamander	High endemism, restoration efforts often fail, high threat of conversion, disturbance regimes are important drivers.
Burrowing mammals (H)	Species Group	Includes ground squirrels and San Joaquin kit fox.	Includes important characteristics of many ecosystem engineers,
Grassland "shorebirds" (H)	Species Group	(Mountain Plover, Killdeer, Long-billed Curlew)	
Kangaroo Rats (H)	Species Group	All species in genus	Ecosystem engineers
Vernal pool crustaceans (H)	Species Group		High endemism
Blunt-nosed leopard lizard (H)	Species		Umbrella/indicator species that relied on intact habitat
Western burrowing owl (H)	Species		Ecosystem engineer, commensal with important ground squirrels
Native perennial bunch grasses (M)	Species Group		
Orcuttia grasses (M)	Species Group		Umbrella species, depend on long vernal pool hydro periods
Atriplex polycarpa (M)	Species		Umbrella species
Ephedra californica (M)	Species		Umbrella species