

### Desert/Grasslands Actions

Actions		Save	Criteria									
<b>Actions</b> Scored: 27 / 27 (100 % completed) Chosen: 10	<b>Resources Affected</b>	Unsorted	A: Action is an existing priority for multiple partner agencies (with the authority to implement the action)	B: Action is feasible and has a high certainty of success	C: Action has support in the local community and among landowners, including partnerships.	D: Action accomplishes at least one of the 3 project objectives	E: Action works for all 4 future scenarios identified	F: Action provides multiple-benefits	G: Action addresses multiple objectives	H: Action limits imminent threat of irreversible harm (e.g., urban development on endangered habitat such as vernal pools)	I: Action has built in capacity to be flexible and adaptable	J: Action provides quantifiable ecological benefits to the project's identified priority natural resources
		Calculated Score										
#85 Reduce Non-Climate Stressors ✓ 100%	Amphibians, Blunt-nosed Leopard Lizard, Bumblebees & Other Insect Pollinators, Burrowing Mammals, California	avg: 100% imp: 100% feas: 100% choose:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manage invasive species and restore natural communities	Tiger Salamander, Dunes, Grasslands, Large Wide-ranging Mammals, San Joaquin Desert, Vernal Pool Crustaceans, Vernal Pools & Swales		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Unknown	<input type="checkbox"/> Yes

<p><b>#86 Reduce Non-Climate Stressors 88%</b></p> <p>Conduct Integrated Pest Management to manage invasive, fire susceptible species as well as competitor species (e.g., kangaroo rats).</p> <p>D</p>	<p>Blunt-nosed Leopard Lizard</p>	<p>avg: 88% imp: 83% feas: 100% choose: <input type="checkbox"/></p>	<p>Yes</p>	<p>Yes</p>	<p>Unknown</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>No</p>	<p>Yes</p>	<p>Unknown</p>
<p><b>#87 Reduce Non-Climate Stressors 14%</b></p> <p>Control invasives: bullfrogs, algae. Remove bullfrog from adjacent or upstream pools/ponds or other habitats that may be introduced under flood conditions.</p> <p>DU</p>	<p>Amphibians, California Red-legged Frog, Vernal Pool Crustaceans, Yellow-legged Frog</p>	<p>avg: 14% imp: 25% feas: 0% choose: <input type="checkbox"/></p>	<p>No</p>	<p>No</p>	<p>No</p>	<p>Yes</p>	<p>Unknown</p>	<p>No</p>	<p>No</p>	<p>Unknown</p>	<p>No</p>	<p>Unknown</p>
<p><b>#103 Reduce Non-Climate Stressors -1%</b></p> <p>Decrease severe habitat degradation and/or habitat elimination from land uses that cause significant impacts to protect large, diverse landscapes</p> <p>D</p>	<p>Blunt-nosed Leopard Lizard</p>	<p>avg: n/a imp: n/a feas: n/a choose: <input type="checkbox"/></p>	<p>N/A</p>									
<p><b>#114 Enhance populations 33%</b></p> <p>Implement translocation, reintroduction, population augmentation of priority animal species and species groups to appropriate sites based on current and future conditions.</p> <p>DW</p>	<p>Amphibians, Blunt-nosed Leopard Lizard, California Red-legged Frog, Oak Woodlands, Valley Oak, Wetland-dependent Reptiles, Yellow-legged Frog</p>	<p>avg: 33% imp: 50% feas: 0% choose: <input type="checkbox"/></p>	<p>No</p>	<p>No</p>	<p>No</p>	<p>No</p>	<p>No</p>	<p>Unknown</p>	<p>Yes</p>	<p>Yes</p>	<p>No</p>	<p>Yes</p>
<p><b>#123 Enhance populations 80%</b></p> <p>Plant diverse composition of native species, manage vegetation composition and structure for burrowing mammals</p> <p>D</p>	<p>Burrowing Mammals</p>	<p>avg: 80% imp: 86% feas: 67% choose: <input type="checkbox"/></p>	<p>Yes</p>	<p>Yes</p>	<p>No</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>Yes</p>	<p>No</p>	<p>Yes</p>	<p>Yes</p>

#129	Enhance habitat protection 60%	Bumblebees & Other Insect Pollinators, Dunes	avg: 60% imp: 57% feas: 67% choose: <input type="checkbox"/>	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes
#131	Enhance habitat protection 100%	Amphibians, California Tiger Salamander, Grasslands, Vernal Pool Crustaceans, Vernal Pools & Swales	avg: 100% imp: 100% feas: 100% choose: <input type="checkbox"/>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
#132	Enhance habitat protection 80%	Amphibians, California Tiger Salamander, Grasslands, Vernal Pool Crustaceans, Vernal Pools & Swales	avg: 80% imp: 86% feas: 67% choose: <input type="checkbox"/>	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes
#140	Enhance habitat protection 100%	Dunes	avg: 100% imp: 100% feas: 100% choose: <input type="checkbox"/>	Yes	Yes	Unknown	Yes	Yes	Yes	Yes	Yes	Yes	Yes
#141	Enhance habitat protection ✓ 100%	Amphibians, California Tiger Salamander, Vernal Pool Crustaceans, Vernal Pools & Swales	avg: 100% imp: 100% feas: 100% choose: <input checked="" type="checkbox"/>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes
#148	Enhance habitat protection ✓ 89%	Amphibians, Large Wide-ranging Mammals	avg: 89% imp: 100% feas: 50% choose: <input checked="" type="checkbox"/>	Unknown	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

<p><b>#150</b> Enhance habitat protection <b>90%</b></p> <p>Develop and implement prescribed burn BMPs and IPM under changing precipitation and hydroperiod scenarios to address likely issue of decreasing hydroperiods and limit invasive species</p>	<p>Amphibians, California Tiger Salamander, Vernal Pool Crustaceans, Vernal Pools &amp; Swales</p>	<p>avg: 90% imp: 86% feas: 100% choose: <input type="checkbox"/></p>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
<p><b>#170</b> Increase connectivity <b>50%</b></p> <p>Manage industrial and recreational land use to prevent further dune habitat fragmentation and degradation</p>	<p>Dunes</p>	<p>avg: 50% imp: 60% feas: 33% choose: <input type="checkbox"/></p>	Yes	No	No	Yes	No	Unknown	Unknown	Yes	No	Yes
<p><b>#171</b> Increase connectivity <b>90%</b></p> <p>Identify, prioritize, and protect linkages for Large wide-ranging mammals, burrowing mammals.</p>	<p>Amphibians, Burrowing Mammals, Large Wide-ranging Mammals</p>	<p>avg: 90% imp: 100% feas: 67% choose: <input type="checkbox"/></p>	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<p><b>#172</b> Increase connectivity <b>-1%</b></p> <p>Reduce roadkill at high-risk crossings (provide passage at bottlenecks). Identify and build key crossing structures</p>	<p>Amphibians, Burrowing Mammals, Large Wide-ranging Mammals, Wetland-dependent Reptiles</p>	<p>avg: n/a imp: n/a feas: n/a choose: <input type="checkbox"/></p>	Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<p><b>#180</b> Increase connectivity <b>✓ 100%</b></p> <p>Provide open, natural, connected landscapes that are resilient to climate change: Identify, prioritize, and protect linkages to increase size of suitable habitat, protect varied topography, maintain metapopulations, and increase resilience.</p>	<p>Amphibians, Blunt-nosed Leopard Lizard, Burrowing Mammals, San Joaquin Desert</p>	<p>avg: 100% imp: 100% feas: 100% choose: <input checked="" type="checkbox"/></p>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

<p><b>#181 Increase connectivity 90%</b></p> <p>Preserve the physical stage of the San Joaquin Desert habitat in a connected way to allow species to move to new suitable habitats.</p>	<p>San Joaquin Desert</p>	<p>avg: 90% imp: 86% feas: 100% choose: <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>
<p><b>#188 Increase connectivity 100%</b></p> <p>Focus on preserving north-south and east-west gradients of habitat types and associated connectivity.</p>	<p>Amphibians, California Tiger Salamander, Grasslands, Vernal Pool Crustaceans, Vernal Pools &amp; Swales</p>	<p>avg: 100% imp: 100% feas: 100% choose: <input checked="" type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>
<p><b>#191 Enhance/restore existing habitat 78%</b></p> <p>Implement fire practices geared towards enhancement of native grassland landscapes.</p>	<p>Grasslands</p>	<p>avg: 78% imp: 71% feas: 100% choose: <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Unknown <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>
<p><b>#201 Enhance/restore existing habitat 90%</b></p> <p>Plant diverse composition of native species to restore drought and fire resilient communities; manage specifically for shrubs as plant refugia (e.g., moderate air temp) and perennial grasses (food source); Restore perennial grasses and forbs</p>	<p>Blunt-nosed Leopard Lizard, San Joaquin Desert</p>	<p>avg: 90% imp: 86% feas: 100% choose: <input checked="" type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>No <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>
<p><b>#202 Enhance/restore existing habitat 100%</b></p> <p>Experiment with fallowed lands for drought and fire resilient native plant community restoration</p>	<p>Blunt-nosed Leopard Lizard</p>	<p>avg: 100% imp: 100% feas: 100% choose: <input checked="" type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>N/A <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/></p>

<p>#203 Enhance/restore existing habitat ✓ 100%</p> <p>Protect/restore Large vernal pools that attract waterfowl which are important to facilitate dispersal of cysts and eggs. <small>⌵</small></p>	<p>Vernal Pool Crustaceans</p>	<p>avg: 100% imp: 100% feas: 100% choose: <input checked="" type="checkbox"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Unknown <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Unknown <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>
<p>#204 Enhance/restore existing habitat ✓ 86%</p> <p>Protect/restore higher elevation pools. <small>⌵</small></p>	<p>Amphibians, California Tiger Salamander, Vernal Pool Crustaceans</p>	<p>avg: 86% imp: 100% feas: 0% choose: <input checked="" type="checkbox"/></p>	<p>No <input type="button" value="⌵"/></p>	<p>Unknown <input type="button" value="⌵"/></p>	<p>Unknown <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Unknown <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>
<p>#205 Enhance/restore existing habitat 88%</p> <p>Reseed grasslands after catastrophic, non-prescribed fire with local ecotypes, diversity of functional groups like grasses, forbs, bulbs, etc <small>⌵</small></p>	<p>Grasslands</p>	<p>avg: 88% imp: 83% feas: 100% choose: <input type="checkbox"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Unknown <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Unknown <input type="button" value="⌵"/></p>	<p>No <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>	<p>Yes <input type="button" value="⌵"/></p>

	Amphibians, Blunt-nosed Leopard Lizard, Bumblebees & Other Insect Pollinators, Burrowing Mammals, California											
<a href="#">#213</a> Enhance/restore existing habitat ✓ 100%	Tiger											
<b>Develop, promote, and encourage Best Management Practices for grazing for multiple benefits: restoration of drought and fire resilient native plant communities, vernal pool and grassland conservation, oak woodland regeneration/conservation, riparian corridors, soil water retention, groundwater recharge, bat and burrowing mammal habitat.</b> DUW	Salamander, Cavity Nesters & Roosters, Dunes, Grasslands, Oak Woodlands, Permanent Wetlands, San Joaquin Desert, Seasonal Wetlands, Tricolored	avg: 100% imp: 100% feas: 100% choose: <input checked="" type="checkbox"/>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Black Bird, Valley Oak, Vernal Pool Crustaceans, Vernal Pools & Swales, Wetland- dependent Reptiles											
<a href="#">#228</a> Enhance/restore existing habitat 57%	Dunes	avg: 57% imp: 80% feas: 0% choose: <input type="checkbox"/>	Unknown	No	No	Yes	No	N/A	Yes	N/A	Yes	Yes
<b>Experiment with creating new dune systems</b> D												

Resources affected by chosen Actions

Resource	Actions
Amphibians	7
Blunt-nosed Leopard Lizard	5
Breeding Waterbirds & Shorebirds	

Bumblebees & Other Insect Pollinators	2
Burrowing Mammals	3
California Red-legged Frog	
California Tiger Salamander	5
Cavity Nesters & Roosters	1
Chaparral & Serpentine Shrublands	
Dragonflies & Damselflies	
Dunes	2
Flooded Croplands	
Grasslands	3
Green Sturgeon	
Large Wide-ranging Mammals	2
Oak Woodlands	1
Pacific Lamprey	
Permanent Wetlands	1
Rice Croplands	
Riparian Birds	
Riparian Vegetation & Natural Riverbank	
Salmonids	
San Joaquin Desert	4
Seasonal Wetlands	1
Stream Channel	
Tricolored Black Bird	1
Valley Oak	1
Vernal Pools & Swales	4
Vernal Pool Crustaceans	6
Wetland-dependent Mammals	
Wetland-dependent Reptiles	1
Wintering Waterbirds & Shorebirds	
Yellow-billed Magpie	
Yellow-legged Frog	

Show all 'choose' checkboxes: (temp disabled)

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