



CALL FOR PROJECTS FOR THE NINTH CYCLE OF THE  
*TransNet* ENVIRONMENTAL MITIGATION PROGRAM  
 LAND MANAGEMENT GRANT PROGRAM  
 SPECIES AND HABITAT RECOVERY GRANT APPLICATION FORM

***RANCHO JAMUL VERNAL POOL & UPLANDS HABITAT RESTORATION PROJECT***

Applicant Name: The Chaparral Lands Conservancy (TCLC)

Address: PO Box 9311, San Diego, CA 92169

Phone and Email Address: 760 809-9244; director@chaparralconservancy.org

Name of Property: Rancho Jamul Ecological Reserve

General Location: Proctor Valley

Jurisdiction: Unincorporated County of San Diego

Total Acres: 5,600

Estimated Acres Requiring Management: 5.6

Owner(s) of Property: California Department of Fish and Wildlife

Land manager(s) of property (include name(s)): California Department of Fish and Wildlife

**Brief project summary that includes your primary goals and objectives:**

The Rancho Jamul Vernal Pool and Uplands Habitat Restoration Project (Project) will include all Project planning, design, permitting, and implementation of work to restore 5.6 acres of vernal pools, native grasslands, chaparral and dependent sensitive species in Proctor Valley on the California Department of Fish and Wildlife’s Rancho Jamul Ecological Reserve. The Project will support the goals of the Management Strategic Plan by restoring two high-priority ecological communities, vernal pools and native grasslands and increasing the viability of seven high-priority MSP SL and SO species as well as several others. The Project will specifically support the goals of the MSP by directly restoring populations of four high-priority MSP SL and SO species through seed bulking, seeding, and vernal pool soil inoculation, and by restoring habitat specific to the needs of three high-priority MSP SL and SO animal species through seeding and planting of host plants and suitable habitat.

**Quantify Expected Results**

- Planning, design, and permitting to provide a shovel-ready Project including: Project design; preparation of a restoration, enhancement, and monitoring plan; and securing all project permits.
- Restoration of 5.6 acres of vernal pools, native grasslands, and chaparral including: Removal of dumped refuse, fill, and accumulated weed thatch; vernal pool enhancement and restoration grading; vernal pool soil salvage and inoculation; uplands topography repair; propagation, planting, and seeding of vernal pool plants and uplands plants, and maintenance watering and weeding.
- Direct restoration of one population each of three high-priority MSP SL, SO, and SS plants, and other sensitive plants: California Orcutt grass (SL); Orcutt’s brodiaea (SO); San Diego golden star (SS); San Miguel savory (SL); little mousetail; vernal barley; and vernal pool pincushion plant.
- Supplementation and expansion of extant occurrences of MSP SL species San Diego fairy shrimp and sensitive plants San Diego button celery and toothed calico-flower.

- Bulking 33,000 seeds for three MSP SL and SO plants: California Orcutt grass; Orcutt’s brodiaea; and San Miguel savory.
- Restoring habitat specific to needs of four high-priority MSP SL and SO animal species and others: Hermes copper butterfly (SL); Quino checkerspot butterfly (SL); Northern harrier (SO); Southern mule deer (SS); Orange-throated whiptail lizard; Red diamond rattlesnake; San Diego horned lizard; Two-striped garter snake; and Western spadefoot toad.

**Brief description of dedicated staff and/or consultants that would work on Project:** TCLC Director David Hogan will serve as project manager. Qualified consultants will be selected through requests for proposals.

**Funding Needs Summary**

<b>Budget Item</b>	<b>Requested Funding Amount</b>	<b>Proposed Matching Funds</b>	<b>Description</b>
Personnel Expenses Staff	<b>\$63,028</b>	<b>\$0</b>	Includes staff time for non-administrative work on the project
Personnel Administrative Expenses	<b>\$5,707</b>	<b>\$0</b>	Includes all staff time to administer the contract
Consultant Expenses	<b>\$305,000</b>	<b>\$0</b>	Includes all costs for consultant services
Other Direct Expenses	<b>\$10,600</b>	<b>\$0</b>	Includes all equipment, supplies, mileage, etc.
Indirect Costs	<b>\$15,629</b>	<b>\$0</b>	All indirect charges (e.g., overhead) on the project, if any.
<b>Totals</b>	<b>\$399,964</b>	<b>\$0</b>	

Are there matching funds available?  Yes  No

Matching funds are not committed for the Project. However, EMP funding requested for habitat and species restoration (Task 2) will serve as a strong match for planned future grant proposals to others for additional funding to complete Task 2. Grants from others to complete the Project are likely, especially with a shovel-ready project from completion of EMP grant Task 1 planning, design, and permitting. Task 2 will not be initiated without first securing additional funding necessary to complete this task.

**PROJECT PROPOSAL**

**A. Project Purpose**

Address the following in the proposal:

1. Describe the proposed management activity(ies) and how it relates to the Management Strategic Plan (MSP) for Conserved Lands in Western San Diego County.

The Rancho Jamul Vernal Pool and Uplands Habitat Restoration Project will include planning, design, permitting, and implementation of work to restore 5.6 acres of vernal pools, native grasslands, and chaparral and dependent MSP and other sensitive species in Proctor Valley on the Rancho Jamul Ecological Reserve.

The Project includes several elements:

- All planning, design, and permitting necessary to provide a shovel-ready Project including: Project design; preparation of a restoration, enhancement, and monitoring plan; and securing all project permits.
- Restoration of 5.6 acres of vernal pools, native grasslands, and chaparral including: Removal of dumped refuse, fill, and accumulated weed thatch; vernal pool enhancement and restoration grading; vernal pool soil salvage and inoculation; uplands topography repair; propagation, planting, and seeding of vernal pool plants and uplands plants, and maintenance watering and weeding.
- Direct restoration of one population each of three high-priority MSP SL, SO, and SS plants, and other sensitive plants: California Orcutt grass (SL); Orcutt's brodiaea (SO); San Diego golden star (SS); San Miguel savory (SL); little mousetail; vernal barley; and vernal pool pincushion plant. Direct supplementation and expansion of extant occurrences of MSP SL species San Diego fairy shrimp and sensitive plants San Diego button celery and toothed calico-flower.
- Bulking 33,000 seeds for for three MSP SL and SO plants: California Orcutt grass; Orcutt's brodiaea; and San Miguel savory.
- Restoring habitat specific to needs of four high-priority MSP SL and SO animal species and others: Hermes copper butterfly (SL); Quino checkerspot butterfly (SL); Northern harrier (SO); Southern mule deer (SS); Orange-throated whiptail lizard; Red diamond rattlesnake; San Diego horned lizard; Two-striped garter snake; and Western spadefoot toad.

The Project is located in MSP Management Unit 3 in Proctor Valley on the California Department of Fish and Wildlife's (CDFW) Rancho Jamul Ecological Reserve, a biological core area under the MSCP. The Project will support the goals of the MSP (and MSCP) by restoring two high-priority ecological communities, vernal pools and native grasslands and increasing the viability of seven high-priority MSP SL and SO species as well as several others. The Project will specifically support the goals of the MSP by directly restoring populations of four high-priority MSP SL and SO species through seed bulking, seeding, and vernal pool soil inoculation, and by restoring habitat specific to the needs of three high-priority MSP SL and SO animal species through seeding and planting of host plants and suitable habitat. The Project site currently receives effective stewardship management by CDFW. Vehicle barriers installed at the edge of the Project site along Proctor Valley Road have been highly effective in preventing further vehicle damage.

The Project can be phased by task if full funding is not available (please see the proposed budget). EMP funding requested for habitat and species restoration (Task 2) will serve as a strong match for planned future grant proposals to others for additional funding to complete Task 2. Grants from others to complete the Project are likely, especially with a shovel-ready project from completion of EMP grant Task 1 planning, design, and permitting. Task 2 will not be initiated without first securing additional funding necessary to complete this task.

2. Which MSP species and their habitats will benefit from the proposed management activity? Which specific MSP objective(s) and action(s) will be implemented? Name the specific MSP species occurrence(s) to benefit from the management activity, if applicable.

At least nine MSP species will benefit from the Project. For the Quino checkerspot butterfly, the Project will support the MSP goal to "...protect, enhance, and restore occupied habitat and historically occupied habitat and the landscape connections between them to create resilient, self-sustaining populations that provide for persistence over the long term (>100 years)" (MSP V2D.2-6). For the Hermes copper butterfly, the Project will support the MSP goal to "...protect, enhance, and restore occupied habitat and historically occupied habitat and the landscape connections between them to create resilient, self-sustaining populations that provide for persistence over the long term (>100 years)" (MSP V2D.2-14). For the Northern harrier, the Project will support the MSP goal to "...protect, enhance, and restore occupied and historically occupied habitat to create resilient,

self-sustaining populations that provide for persistence over the long term (>100 years)” (MSP V2D.6-27). For California Orcutt grass, the Project will support the MSP goal to “...maintain or enhance existing occurrences to ensure multiple conserved occurrences with self-sustaining populations to increase resilience to environmental and demographic stochasticity, maintain genetic diversity, and ensure persistence over the long term (>100 years) in vernal pool vegetation communities” (MSP V2D.1-81). For Orcutt’s brodiaea, the Project will support the MSP goal to “...maintain or enhance existing occurrences to ensure multiple conserved occurrences with self-sustaining populations to increase resilience to environmental and demographic stochasticity, maintain genetic diversity, and ensure persistence over the long term (>100 years) in grasslands and vernal pool vegetation communities”, and will partially implement MSP the objective to “Establish 2 new Orcutt's brodiaea occurrences at Proctor Valley...” (MSP V2D.1-23). For San Miguel savory, the Project will support the MSP goal to “...maintain or enhance existing occurrences to ensure multiple conserved occurrences with self-sustaining populations to increase resilience to environmental and demographic stochasticity, maintain genetic diversity, and improve chances of persistence over the long term (>100 years) in chaparral, coastal sage scrub, and oak woodland vegetation communities” and to “...collect and store seeds at a permanent seed bank and to provide propagules as needed for management-oriented research, existing population enhancement, and establishment of new occurrences” (MSP V2D.1-38). For San Diego goldenstar, the Project will support the MSP goal to “...enhance existing occurrences to ensure multiple conserved occurrences with self-sustaining populations to increase resilience to environmental and demographic stochasticity; maintain genetic diversity; and improve chances of persistence over the long term (>100 years) in chaparral, coastal sage scrub, grassland, and vernal pool/alkali playa vegetation communities” (MSP V2D.1-17).

The Project will benefit several occurrences of the Quino checkerspot butterfly (Rancho Jamul Ecological Reserve, San Diego National Wildlife Refuge, and Otay Lakes Cornerstone Lands) and several occurrences of San Miguel savory on San Miguel Mountain. Several other MSP species included in the Project occur in Proctor Valley but do not have identified occurrences in the MSP (e.g. San Diego fairy shrimp; Orcutt’s brodiaea; San Diego goldenstar; Southern mule deer; and Northern harrier).

3. To be eligible for funding, the proposed project must be within the MSP area. In which Management Unit is the project located? (*Attach a map*)

MSP Management Unit 3. Please see attached map.

4. Describe the stressors and/or threats to the MSP species and their habitats in the project area that will be addressed through implementation of this project proposal.

The primary stressors and threats to the MSP species and their habitats on and around the Project site are invasive exotic plants, altered fire regime, and habitat fragmentation by past OHV activity. Historic grazing likely introduced the majority of invasive exotic plants to the area and a frequent fire return interval has benefitted non-native grasses over native coastal sage and chaparral habitats. Past refuse dumping and ORV use has also resulted in direct destruction of sensitive habitats and species. Invasive exotic plants will be addressed in the Project with removal of weed thatch, weeding, and planting of native species. Control of dense weeds will in turn reduce the vulnerability of the Project site to fire. Edge effects such as ORV use and trash dumping related to habitat fragmentation from Proctor Valley Road have been effectively controlled with vehicle barriers.

5. Describe the management techniques proposed, including whether they have been previously used successfully and where. Are there any negative effects to MSP and other sensitive species and their habitats that could result from the proposed management action?

Project management techniques will include the following: Removal of dumped refuse, fill, and accumulated weed thatch; vernal pool enhancement and restoration grading; vernal pool soil salvage and inoculation; uplands topography repair; propagation of container plants and for seed bulking, planting and seeding of vernal pool plants and uplands plants, and maintenance watering and weeding. These management techniques are the

same as those that have been successful in similar projects to restore vernal pools and sensitive uplands vegetation, most notably at the nearby Proctor Valley ORV vernal pool restoration projects where degraded, pre-restoration habitat conditions were very similar to those at the Project site. Restoration of native grasslands will follow best management practices developed by the Conservation Biology Institute for other EMP projects. Seed bulking for sensitive plants will follow established, successful protocols. One possible negative effect to a sensitive species is the introduction or spread of Versatile fairy shrimp and hybrid Versatile / San Diego fairy shrimp in vernal pools and measures to reduce this threat will be incorporated into the Project.

6. What strategic approach will be used to ensure the successful, long-term outcome of the proposed project (e.g. upstream exotic removal prior to downstream, future on-going maintenance)? Which adjacent conserved lands will not be included and why?

The Project site was selected because of its location on conserved lands established specifically to protect and manage sensitive habitats and species. Long-term success is expected because the Project takes advantage of suitable environmental conditions (e.g. vernal pool soils) and established restoration techniques to maximize restoration benefits and to implement management goals and objectives for several of the highest priority MSP species and habitats. Long-term success is further assured by nature of the Project's location amidst a large, conserved biological core area and with long-term stewardship by the California Department of Fish and Wildlife consistent with CDFW commitments under the San Diego MSCP.

7. What are the goals and objectives for the proposed project? What criteria/metrics will be used to measure success? If applicable, what quantitative monitoring data will be collected to evaluate success? Who will be collecting the monitoring data and what are their qualifications?

The goals of the Project are to complete all planning, design, and permitting to provide a shovel-ready Project and to restore 5.6 acres of vernal pools, native grasslands, and chaparral; to restore and maintain several occurrences of the highest priority MSP species and others; to significantly reduce the extent of exotic invasive plant weeds, and to monitor and report results of Project implementation. Objectives to achieve these goals are itemized in the scope of work (below). Criteria to measure success will include the number of vernal pools repaired or constructed, acres of native grasslands and chaparral restored, acres and species of weeds controlled, cubic yards of refuse and weed thatch removed. Qualified biologist consultants will be retained to collect quantitative monitoring data to determine project success including data on vernal pool hydrology, vernal pool animal species diversity and distribution by pool, vernal pool and uplands plant species diversity and cover, presence and numbers of MSP species, and invasive plant species diversity and cover.

8. How will the applicant manage the data collected? What software will be used to house the data? Who will be responsible for compiling and transferring the data to SANDAG? Who will be preparing the required quarterly, final, and all other reports?

Data will be recorded in Microsoft Excel. Qualified biology consultants will compile the data, and the data will be presented in annual reports to SANDAG with grant progress reports prepared by the TCLC project manager.

9. Has the proposed project received *TransNet* Environmental Mitigation Program (EMP) funds previously? If so, what was accomplished with the funds and why are additional funds being requested?

No.

10. Is the proposed activity being done on land that was previously set aside as mitigation? If yes, please elaborate.

No.

**B. Scope of Work By Task**

**Exhibit A – Proposed Project Scope of Work**

<b>Task No.</b>	<b>Task Name</b>	<b>Task Description</b>	<b>Quantifiable Results / Deliverables</b>
<b>1</b>	<b>Planning, Design, &amp; Permitting</b>		
<b>1a</b>	Cultural Resource Survey & Report	Retain qualified cultural resource contractor for cultural resource survey and report as required for project permits.	<ul style="list-style-type: none"> <li>• Cultural resource survey and report as required</li> </ul>
<b>1b</b>	GIS Work	Retain qualified GIS contractor to conduct GIS mapping as needed for restoration plan and grading permit.	<ul style="list-style-type: none"> <li>• GIS maps as needed</li> </ul>
<b>1c</b>	Grading Permit Application Package	Retain qualified engineer to prepare elements of grading permit application package elements as required for project permits.	<ul style="list-style-type: none"> <li>• Geotechnical investigation as required</li> <li>• Grading and drainage plan as required</li> <li>• Drainage study and report as required</li> <li>• Water pollution / erosion control plan as required</li> </ul>
<b>1d</b>	<b>Other Tasks</b> Survey Equipment Rental	Rent laser level and any other survey equipment as needed for project design.	<ul style="list-style-type: none"> <li>• Survey equipment rental as needed</li> </ul>
<b>1e</b>	Permit Fees	Pay any project permit fees	<ul style="list-style-type: none"> <li>• California water quality certification application fee as required</li> <li>• CEQA recording fee as required</li> <li>• Grading permit application fee as required</li> <li>• Other permit application fees as required</li> </ul>
<b>1f</b>	Printing	Print documents for project permits.	<ul style="list-style-type: none"> <li>• Printed copies of restoration plan and other project documents as needed</li> </ul>
<b>1g</b>	Project Management Staff	Conduct, manage, and oversee all aspects of Task 1 Planning, Design, & Permitting including preparing a habitat restoration plan, preparing contracts, retaining and overseeing contractors, and preparing permit application packages.	<ul style="list-style-type: none"> <li>• Results are same as Tasks 1a – 1f</li> <li>• Approximately 728 hours</li> </ul>
<b>1h</b>	Project Management Travel	Travel by Project Management Staff to project site and agency offices.	<ul style="list-style-type: none"> <li>• Approximately 2750 miles</li> </ul>

Task No.	Task Name	Task Description	Quantifiable Results / Deliverables
2	<b>Habitat &amp; Species Restoration</b>		
2a	Restoration of Vernal Pools, Native Grasslands, & Chaparral	Retain qualified contractors to conduct restoration of vernal pools, native grasslands, and chaparral including: Removal of dumped refuse, fill, and accumulated weed thatch; vernal pool enhancement and restoration grading; vernal pool soil salvage and inoculation; uplands topography repair; propagation, planting, and seeding of vernal pool plants, native grassland plants, chaparral plants, and sensitive and MSP priority plant species; propagation, planting, and seeding host plants for MSP priority butterflies; and maintenance watering and weeding.	<ul style="list-style-type: none"> <li>• Approximately 16 repaired existing vernal pools</li> <li>• Number to be determined of new constructed vernal pools as appropriate</li> <li>• Approximately 1 acre of restored native grasslands</li> <li>• Approximately 4 acres of restored chaparral</li> <li>• One new occurrence each of MSP SL, SO, SS, and other sensitive plants: California Orcutt grass (SL); Orcutt's brodiaea (SO); San Diego golden star (SS); San Miguel savory (SL); little mouse-tail; vernal barley; and vernal pool pincushion plant</li> <li>• Supplement and expand extant occurrences of sensitive plants San Diego button celery and toothed calico-flower</li> <li>• Occupancy of at least 50% of vernal pools by MSP SL species San Diego fairy shrimp</li> <li>• Restored habitat specific to needs of other SL and SO species: Hermes copper butterfly (SL); Quino checkerspot butterfly (SL); Northern harrier (SO); Southern mule deer (SS); Orange-throated whiptail lizard; Red diamond rattlesnake; San Diego horned lizard; Two-striped garter snake; and Western spadefoot toad</li> </ul>
2b	Seed Bulking for MSP Plant Species	Retain qualified contractors to bulk MSP plant seed with seed collection and propagation.	<ul style="list-style-type: none"> <li>• Approximately 33,000 seeds for three MSP SL and SO plants: California Orcutt grass; Orcutt's brodiaea; and San Miguel savory</li> </ul>
2c	Monitoring & Reporting	Retain qualified biologist consultants to monitor implementation of project objectives.	<ul style="list-style-type: none"> <li>• Quantitative monitoring of project goals and objectives</li> <li>• One annual report</li> </ul>
2d	Project Management Staff	Oversee, manage, and assist with all aspects of Task 2 Habitat & Species Restoration including soliciting contract bids; preparing contracts (habitat restoration, seed bulking, monitoring & reporting); and overseeing contract implementation.	<ul style="list-style-type: none"> <li>• Results are same as Tasks 2a – 2c</li> <li>• Approximately 312 hours</li> </ul>
2e	Project Management Travel	All Project-related travel by Project Management Staff.	<ul style="list-style-type: none"> <li>• Results are same as Tasks 2a – 2c</li> <li>• Approximately 920 miles</li> </ul>

Task No.	Task Name	Task Description	Quantifiable Results / Deliverables
3	<b>Grant Reporting &amp; Administration</b>	Implement all aspects of Task 3 Grant Reporting & Administration including preparation of grant contract, managing implementation of grant contract; tracking and recording expenses; preparing project invoices; and preparing quarterly and final reports.	<ul style="list-style-type: none"> <li>• 20 quarterly grant invoices</li> <li>• 19 quarterly grant reports</li> <li>• 1 one final grant report</li> <li>• Approximately 94 hours</li> </ul>
3a	Grant Reporting & Administration Staff		

C. Budget by Task

Exhibit B – Proposed Project Budget

**RANCHO JAMUL VERNAL POOL & UPLANDS HABITAT RESTORATION PROJECT**

Task No.	Task Name	Year 1 Grant Request <sup>1</sup>	Year 2 Grant Request	Years 3 - 5 Grant Request	Total Grant Request	Total Project Cost
<b>1</b>	<b>Planning, Design, &amp; Permitting Contractors</b>					
1a	Cultural Resource Survey & Report	\$ 3,000.00	\$ -	\$ -	\$ 3,000.00	\$ 3,000.00
1b	GIS Work	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00
1c	Grading Permit Application Package	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	\$ 25,000.00
	<b>Other Expenses</b>					
1d	Survey Equipment Rental	\$ 300.00	\$ -	\$ -	\$ 300.00	\$ 300.00
1e	Permit Fees	\$ -	\$ 8,000.00	\$ -	\$ 8,000.00	\$ 8,000.00
1f	Printing	\$ -	\$ 300.00	\$ -	\$ 300.00	\$ 300.00
	<b>Staff</b>					
1g	Project Management Staff	\$ 24,614.72	\$ 19,016.40	\$ -	\$ 43,631.12	\$ 43,631.12
1h	Project Management Travel	\$ 1,000.00	\$ 500.00	\$ -	\$ 1,500.00	\$ 1,500.00
<b>Task 1 Subtotal</b>		<b>\$ 58,914.72</b>	<b>\$ 27,816.40</b>	<b>\$ -</b>	<b>\$ 86,731.12</b>	<b>\$ 86,731.12</b>
<b>2</b>	<b>Habitat &amp; Species Restoration<sup>2</sup> Contractors</b>					
2a	Restoration of Vernal Pools, Native Grasslands, & Chaparral <sup>3</sup>	\$ -	\$ -	\$ 224,000.00	\$ 224,000.00	\$ 224,000.00
2b	Seed Bulking for MSP and Sensitive Plant Species	\$ -	\$ -	\$ 33,000.00	\$ 33,000.00	\$ 33,000.00
2c	Monitoring & Reporting	\$ -	\$ -	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
	<b>Staff</b>					
2d	Project Management Staff	\$ -	\$ 6,338.80	\$ 13,058.24	\$ 19,397.04	\$ 19,397.04
2e	Project Management Travel	\$ -	\$ -	\$ 500.00	\$ 500.00	\$ 500.00
<b>Task 2 Subtotal</b>		<b>\$ -</b>	<b>\$ 6,338.80</b>	<b>\$ 285,558.24</b>	<b>\$ 291,897.04</b>	<b>\$ 291,897.04</b>
<b>3</b>	<b>Grant Reporting &amp; Administration</b>					
3a	Grant Reporting & Administration Staff	\$ 1,846.10	\$ 1,901.64	\$ 1,958.74	\$ 5,706.48	\$ 5,706.48
<b>Task 3 Subtotal</b>		<b>\$ 1,846.10</b>	<b>\$ 1,901.64</b>	<b>\$ 1,958.74</b>	<b>\$ 5,706.48</b>	<b>\$ 5,706.48</b>
<b>Subtotal</b>		<b>\$ 60,760.82</b>	<b>\$ 36,056.84</b>	<b>\$ 287,516.98</b>	<b>\$ 384,334.64</b>	<b>\$ 384,334.64</b>
<b>Indirect Costs (19.7%)<sup>4</sup></b>		<b>\$ 5,468.88</b>	<b>\$ 7,103.20</b>	<b>\$ 3,056.84</b>	<b>\$ 15,628.92</b>	<b>\$ 15,628.92</b>
<b>TOTAL</b>		<b>\$ 66,229.71</b>	<b>\$ 43,160.04</b>	<b>\$ 290,573.82</b>	<b>\$ 399,963.56</b>	<b>\$ 399,963.56</b>
<b>PERCENTAGE</b>		<b>17%</b>	<b>11%</b>	<b>73%</b>	<b>100%</b>	<b>100%</b>

1. Assumes a SANDAG Notice to Proceed in autumn 2018.

2. Task 2 Habitat and Species restoration would be initiated in year 3 and EMP funding would be expended in years 3 - 5 depending on the timing and conditions of other grant funding. EMP funding requested for Task 2 Habitat & Species Conservation is approximately 35% of the estimated amount of funding necessary to complete this task and is the amount necessary to complete the first year of restoration implementation. EMP funding requested for Task 2 would serve as a strong match for future grant proposals to secure additional funding to complete Task 2. And Task 2 will not be initiated without first securing additional funding necessary to complete this task.

3. Habitat restoration would include: Removal of dumped refuse, fill, and accumulated weed thatch; vernal pool enhancement and restoration grading; vernal pool soil salvage and inoculation; uplands topography repair; propagation, planting, and seeding of vernal pool plants, native grassland plants, chaparral plants, and sensitive and MSP priority plant species; propagation, planting, and seeding host plants for MSP priority butterflies; and maintenance watering and weeding.

4. Indirect costs percentage rate is not applied to contractors costs. Indirect cost percentage rate is based on TCLC FY 2017 actual indirect costs in accordance with SANDAG procedures for calculating indirect costs.

D. Project Schedule

**Exhibit C - Proposed Project Schedule**

(Assumes Fall 2018 NTP)

Task No.	Task Name	Proposed Start Date	Months Needed to Complete Task*	Task End Date
<b>1</b>	<b>Planning, Design, &amp; Permitting</b>			
<b>1a</b>	Cultural Resource Survey & Report	NTP	24 Months from NTP	09/30/2020
<b>1b</b>	GIS Work	NTP	24 Months from NTP	09/30/2020
<b>1c</b>	Grading Permit Application Package	NTP	24 Months from NTP	09/30/2020
<b>1d</b>	Survey Equipment Rental	NTP	24 Months from NTP	09/30/2020
<b>1e</b>	Permit Fees	NTP	24 Months from NTP	09/30/2020
<b>1f</b>	Printing	NTP	24 Months from NTP	09/30/2020
<b>1g</b>	Project Management Staff	NTP	24 Months from NTP	09/30/2020
<b>1h</b>	Project Management Travel	NTP	24 Months from NTP	09/30/2020
<b>2</b>	<b>Habitat &amp; Species Restoration</b>			
<b>2a</b>	Restoration of Vernal Pools, Native Grasslands, & Chaparral	25 Months from NTP	60 Months from NTP	09/30/2023
<b>2b</b>	Seed Bulking for MSP Plant Species	25 Months from NTP	60 Months from NTP	09/30/2023
<b>2c</b>	Monitoring & Reporting	25 Months from NTP	60 Months from NTP	09/30/2023
<b>2d</b>	Project Management Staff	25 Months from NTP	60 Months from NTP	09/30/2023
<b>2e</b>	Project Management Travel	25 Months from NTP	60 Months from NTP	09/30/2023
<b>3</b>	<b>Grant Reporting &amp; Administration</b>	NTP	60 Months from NTP	09/30/2023

\* Successful seed collection, seeding, and planting are dependent on average or above average rainfall in three Project wet seasons. In the event of below average rainfall in any one wet season, seed collection, seeding, and/or planting may be delayed until the following wet season and may reduce Project deliverables.

**NOTICE REGARDING PREVAILING WAGES**

SANDAG’s EMP Land Management Grant Program projects are funded with *TransNet* revenues consistent with the *TransNet* Extension Ordinance adopted by the voters in November 2004 (SANDAG Ordinance 04-01). Although SANDAG Ordinance 04-01 does not require payment of prevailing wages, California law may require that public works projects pay prevailing wages for workers.

Applicant acknowledges that SANDAG has strongly encouraged Applicant to seek legal counsel regarding whether the Proposed Project will require applicant to pay prevailing wages and agrees that SANDAG will have no liability for conducting this analysis.  Yes  No

Applicant acknowledges that if awarded an EMP Land Management Grant, the grant agreement between SANDAG and the grantee requires grantee’s compliance with all federal, state and local laws and ordinances applicable to the Agreement.

Yes  No

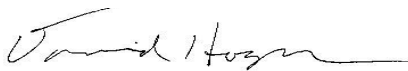
## REQUIRED STATEMENTS FROM APPLICANT

- Yes  No The applicant has read and understands the Sample Grant Agreement (Agreement) and Invoice Template (Attachment 4).
- Yes  No If the SANDAG Board of Directors approves the proposed project proposal, the proposed applicant agrees to sign and return the Agreement to SANDAG, without exceptions or amendments, within 45 days of receipt.
- Yes  No The applicant agrees to comply with SANDAG's Board Policy No. 035, Competitive Grant Program Procedures, which outlines "Use-it-or-lose-it" project milestone and completion deadlines. Board Policy No. 035 is included in the Agreement, and also is on SANDAG's website at the following link: [sandag.org/organization/about/pubs/policy\\_035.pdf](http://sandag.org/organization/about/pubs/policy_035.pdf)
- Yes  No The applicant understands that 10 percent of all invoices will be retained until the completion of the proposed project.
- Yes  No The applicant understands that for proposed projects with matching funds, retention will be withheld beyond the 10 percent retention for each invoice submittal that does not meet the proportionate matching funds requirement. These additional matching funds will not be released until proportionate matching funds are reached for the project to-date.
- Yes  No The applicant understands that all invoices must be accompanied by written, documented support of the charges for requested reimbursement of grant funds and payment will not be made by SANDAG until all documents are satisfactorily submitted.
- Yes  No The applicant understands that invoices and reports must be submitted on a quarterly basis within three weeks after the period covering January 1 to March 31; within three weeks after the period covering April 1 to June 30; within three weeks after the period covering July 1 to September 30; and within three weeks after the period covering October 1 to December 31.
- Yes  No The applicant understands that the EMP quarterly report template (to be sent to the grantee after NTP is issued) must be used to document quarterly progress and that invoices with errors will be returned to the grantee for correction prior to being processed by SANDAG staff.
- Yes  No The applicant understands that the final invoice must be accompanied by written, documented support of the charges for requested reimbursement of grant funds; a final report (prepared in accordance with the final report template to be sent to grantee after NTP is issued); and all outstanding deliverables in order to receive final payment and have retained funds released.
- Yes  No The applicant understands that to be considered eligible for funding, a resolution complying with the requirements of Board Policy No. 035, Section 4.1, must be submitted to SANDAG at least *two weeks* prior to the recommendation by the Regional Planning Committee of the list of prioritized project proposals. SANDAG will provide applicants with advance notice of the Regional Planning Committee's anticipated meeting date.
- Yes  No The applicant agrees to submit all project data/information to SANDAG in a format compatible with the regional management database.

**I have the authorization to submit this proposal (Grant Application Form and required supplementary materials) on behalf of my organization.**

David Hogan, Executive Director

Applicant Name/Title (print or type)



Applicant Signature

01/12/2018

Date



- Habitat Restoration Site
- Property Line
- Existing Vehicle Barriers
- Extant Vernal Pool
- Extant/Artificial Pool
- San Diego fairy shrimp (*Branchinecta sandiegensis*)
- Fairy shrimp (*Branchinecta* sp.)
- Western spadefoot toad (*Spea hammondi*)
- San Diego button-celery (*Eryngium aristulatum* var. *parishii*)
- Toothed calico-flower (*Downingia cuspidata*)

Google

Imagery ©2017

Proposed Rancho Jamul Vernal Pool Habitat Restoration Project

