

## Species and Habitat Recovery Grant Application

Grant Application Form and required supplementary materials (hereafter referred to as “application”) cannot exceed 12 pages.

Applicant Name<sup>1</sup>: City of San Diego, Parks and Recreation Department, Open Space Division

Address: 202 C Street, 5<sup>th</sup> Floor, San Diego, CA 92101

Phone: 619-685-1350

Email: smallen@sandiego.gov

Name of Property: Otay Mesa Open Space

General Location<sup>2</sup>: Denner Canyon, east of Ocean View Hills Parkway

Jurisdiction<sup>3</sup>: City of San Diego

Total Acres: 608 acres

Estimated Acres Requiring Management: 8.68 acres

Owner(s) of Property:<sup>4</sup> City of San Diego

Land manager(s) of property (include name[s]): City of San Diego Parks and Recreation Department, Open Space Division; Natural Resources Group – Mark Berninger, Natural Resource Manager; Sara Allen, MSCP Biologist; Jason Allen, Vernal Pool Biologist

### Brief project summary that includes your primary goal and objectives. (200-word maximum)

The goal is to restore and enhance populations of four Management Strategic Plan (MSP) plant species and vernal pool habitat over a five-year period. Species directly benefiting from this effort include: San Diego thornmint (*Acanthomintha ilicifolia*), Otay tarplant (*Deinandra conjugens*), San Diego ambrosia (*Ambrosia pumila*), Orcutt's bird's beak (*Dicranostegia orcuttiana*). The proposed project area encompasses approximately 8.68 acres. It provides a unique setting where the four species co-exist with vernal pools not previously documented in the Vernal Pool Habitat Conservation Plan (VPHCP). Annual inspect and manage (IMG) monitoring results indicate increasing threats (primarily non-native weeds) are impacting MSP species populations in this area, and an intensive restoration effort is needed to ensure the long-term persistence of these species.

Activities will consist of weed management, seed collection, seed bulking and redistribution, trash removal, vegetation monitoring, photo monitoring, and IMG monitoring. The proposed project will utilize the most current state of management knowledge along with Best Management Practices (BMPs) that have been successfully implemented in the region. This project is consistent with management objectives and actions in the MSP Roadmap, the MSP Framework Rare Plant Management Plan, and the MSP Seed Collection, Banking, and Bulking Plan.

### Quantify expected results (add bullets as necessary)

- Restore and enhance habitat for existing populations of San Diego thornmint in Area 1 (1.55 acres), Otay tarplant population in Area 3 (3.36 acres), and San Diego ambrosia and Orcutt's bird's beak in Area 4 (2.23 acres).
- Enhance 3.78 acres of vernal pool habitat in Areas 1 and 4 by controlling non-native weeds in and around vernal pool basins.
- Reduce accumulated dead biomass and non-native grass thatch cover by 95% in Areas 1 – 4.
- Reduce non-native plant species by 75% in Areas 1 – 4.
- Annual collection of San Diego thornmint seeds (if present), seed bulking, and redistribution of seeds into treatment area.
- Increase and expand existing populations of San Diego thornmint, Otay tarplant, San Diego ambrosia and Orcutt's bird's-beak.
- Post-grant period: MSP IMG quantitative monitoring will be conducted by City of San Diego (City) Parks and Recreation Department (PRD) biologist(s) for San Diego thornmint, Otay tarplant, San Diego ambrosia and Orcutt's bird's-beak. Vernal pools and vernal pool plant species (if present) will be monitored per the VPHCP.

Non-native plant treatment consisting of line-trimming and herbicide spot spraying will be conducted annually by City PRD staff. Fencing and signs will be repaired by City PRD staff as needed. As needed, trash and encampments will be reported by City staff and addressed in coordination with the City's Police Department and Environmental Services Department.

**Brief description of dedicated staff and/or consultants/contractors that would work on the Project. (200-word maximum)**

City PRD Multiple Species Conservation Plan (MSCP) staff will administer the overall implementation of the project in accordance with the terms and conditions specified in SANDAG's standard contract. A qualified biological consultant familiar with the City of San Diego MSCP Subarea Plan, VPHCP, and the MSP will be retained by the City of San Diego to perform the restoration and enhancement activities described in Exhibit A of this proposal. To be considered for this project, prospective biological consultants shall demonstrate to City MSCP staff that they possess the necessary biological technical services to successfully implement the sensitive species habitat restoration project detailed in Exhibit A of this grant proposal.

**Funding Needs Summary**

Please indicate how much funding is being requested from SANDAG and any matching funding proposed.

Budget Item	Requested Funding Amount	Description
Personnel Expenses Staff	\$ 0	Includes staff time for non-administrative work on the project
Personnel Administrative Expenses	\$ 0	Includes all staff time to administer the contract
Consultant/Contractor Expenses	\$ 582,672	Includes all costs for consultant/contractor services
Other Direct Expenses	\$ 0	Includes all equipment, supplies, mileage, etc.
<b>Totals</b>	<b>\$ 582,672</b>	

**Are there matching funds available?**     **Yes**     **No**

**If yes, how are the matching funds assured? (100-word maximum)**

The City will contribute to the project using in-kind resources and staff-time. The City PRD staff will administer the consultant contracts executed to implement the project. City staff resources are assured for this project is assured due to the City's ongoing obligation to implement the provisions of the City of San Diego MSCP Subarea Plan and MSCP Implementation Agreement between the City, The US Fish and Wildlife Service, and California Department of Fish & Wildlife.

## Project Application

### Project Purpose

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. Is there current management occurring or has past management occurred on the property (please describe)? If the proposed management activity is based on the results from past field inspections of the species occurrence, describe the conditions and management needs identified and whether or not the data has been provided to the San Diego Management and Monitoring Program. If implementing fire management actions, describe the management technique being used and whether a fire plan currently exists.

The City is proposing a five-year restoration and habitat enhancement effort focused on four MSP priority plant species and vernal pool habitat within the Otay Mesa Open Space at Dennerly Ranch East in Chula Vista, CA (Attachment 1). Specifically, the project would address the immediate needs of four existing MSP species occurrences while also enhancing habitat for existing but previously undocumented vernal pools.

#### Existing MSP Species to be Restored / Enhanced:

- **San Diego thornmint (MOM OccID: ACIL\_3DREA005):** Federally Threatened / State Endangered, Narrow Endemic Covered Species under the City's MSCP Subarea Plan, and MSP sensitive species [Category SO]
- **Otay tarplant (MOM OccID: DECO13\_3DREA021):** Federally Threatened / State Endangered, Narrow Endemic Covered Species under the City's MSCP Subarea Plan, and MSP sensitive species [Category SS]
- **Orcutt's birdsbeak (MOM OccID: COOR7\_3DREA007):** Narrow Endemic Covered Species under the City's MSCP Subarea Plan, and MSP sensitive species [Category SL]
- **San Diego ambrosia (MOM OccID: TBD – new occurrence):** Federally Endangered, Narrow Endemic Covered Species under the City's MSCP Subarea Plan, and MSP sensitive species [Category SO]

Through IMG monitoring over the past several years, City biologists have observed increasing threats from non-native grasses and forbs, which degrade habitat and directly compete with these sensitive species for space, light, and resources. The increasing pressure from competition with non-natives is impacting MSP species populations in this area. Of note, San Diego thornmint plants have not been observed on-site since 2019.

In recent years, the City has provided weed management annually over portions (approximately 3.51-acres) of the 8.68-acre treatment area, consisting of targeted herbicide treatments and late-season biomass removal. In 2020, an expanded biomass removal effort revealed previously undocumented vernal pools and a small San Diego ambrosia occurrence that had been hidden from view by non-native weed species. While this ongoing management has benefitted the MSP species to some degree, the abundance of weed seed present in the soil is beyond the resources for City staff to manage under the annual budget. Each year, the level of effort over this area has not been enough to manage the high degree of threats present. An intensive restoration effort is needed to reduce threats to a manageable level, enhance surrounding habitat and bolster the resiliency of the MSP plant populations.

This project proposes to remove trash, debris, weeds, and dead biomass (thatch) from all treatment areas and treat emerging weeds throughout subsequent growing seasons to reduce competition with MSP priority plant species and enhance surrounding vernal pools and maritime succulent scrub habitat. As weeds are being actively managed, seeds from target MSP species will be collected and reintroduced throughout the treatment areas to expand the footprint and size of each species population. Seed from the San Diego thornmint occurrence has already been collected and is in long-term storage at the San Diego Zoo Seed Bank. A portion of this seed will be withdrawn from storage and bulked at a research facility specializing in seed bulking, and then distributed on-site. In the event of drought conditions during the growing season, supplemental watering may be performed to increase seed germination, flowering, and seed production.

This project will utilize Best Management Practices (BMPs) that have been successfully implemented in San Diego County and represent the current management knowledge for these species. Methodologies used in conjunction with this proposal are similar to those used to successfully expand and increase the populations of San Diego thornmint at Mission Trails Regional Park and Wrights Field. In 2020 and 2021, the thornmint at both project sites had better germination and flowering numbers than other natural populations (pers. comm. City PRD Sara Allen). This qualitative observation supports that the methods used in these two projects successfully built more population resiliency.

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.

This project will directly benefit four MSP species (San Diego thornmint, Otay tarplant, Orcutt’s bird’s beak, San Diego ambrosia) and provide benefits to vernal pools and maritime succulent scrub habitats. Other sensitive species that inhabit this area, including the coastal California gnatcatcher (*Polioptila californica californica*), small-leaved rose (*Rosa minutifolia*), coast barrel cactus (*Ferocactus viridescens var. viridescens*), cliff spurge (*Euphorbia misera*), and golden cholla (*Berberocactus emoryi*), are likely to indirectly benefit from the removal stressors along the habitat edge. Implementation of the project would lead to contributions towards the MSP objectives and actions detailed in Table 1 below.

**Table 1: MSP Species and Habitats to Benefit from Project**

MSP Species or Habitat	MSP Objectives to be Implemented
San Diego Thornmint ( <i>Management Unit 3; ACIL_3DREA005</i> ):	<ul style="list-style-type: none"> <li>• MON-IMP-IMG ACAILI-2 – conduct IMG monitoring annually</li> <li>• MGT-IMP-IMG ACAILI-3 – conduct routine management identified through IMG monitoring</li> <li>• MGT-IMP-MGTPL ACAILI-7 – implement highest priority management actions in the F-RPMP</li> <li>• MGT-IMP-MGTPL ACAILI-8 – monitor management effectiveness</li> <li>• MGT-IMP-SBPL ACAILI-10 – seed collection and bulking</li> </ul>
Otay Tarplant ( <i>Management Unit 3; DECO13_3DREA021</i> ):	<ul style="list-style-type: none"> <li>• MON-IMP-IMG DEICON-1 – conduct IMG monitoring annually</li> <li>• MGT-IMP-IMG DEICON-2 – conduct routine management identified through IMG monitoring</li> <li>• MGT-IMP-MGTPL DEICON-7 – implement highest priority management actions in the F-RPMP</li> <li>• MGT-IMP-MGTPL DEICON-8 – monitor management effectiveness</li> <li>• MGT-IMP-SBPL DEICON-10 – seed collection and redistribution</li> </ul>
Orcutt’s bird’s-beak ( <i>Management Unit 3; COOR7_3DREA007</i> ):	<ul style="list-style-type: none"> <li>• MON-IMP-IMG DICORC-1 - conduct IMG monitoring annually</li> <li>• MGT-IMP-IMG DICORC-2 - conduct routine management identified through IMG monitoring</li> <li>• MGT-IMP-IEC DICORC-5 - enhance Orcutt's bird's-beak at the Cal Terraces/Dennery Canyon occurrence</li> <li>• MGT-IMP-SBPL DICORC-7 - collect Orcutt's bird's-beak seed for conservation banking and bulk seed for enhancing and expanding the Cal Terraces/Dennery Canyon occurrence</li> <li>• MON-IMP-MGTPL DICORC-10 - monitor management effectiveness</li> </ul>
San Diego Ambrosia ( <i>Management Unit 3; new occurrence</i> ):	<ul style="list-style-type: none"> <li>• MON-IMP-IMG AMBPUM-1 - conduct IMG monitoring annually</li> <li>• MGT-IMP-IMG AMBPUM-2 - conduct routine management identified through IMG monitoring</li> <li>• MGT-IMP-MGTPL AMBPUM-4 – implement highest priority</li> </ul>

MSP Species or Habitat	MSP Objectives to be Implemented
	management actions in the F-RPMP <ul style="list-style-type: none"> <li>• MON-IMP-MGTPL AMBPUM-5 – monitor management effectiveness</li> <li>• MGT-IMP-SBPL AMBPUM-7 – seed collection and bulking</li> </ul>
Vernal pool habitat (Management Unit 3; new complex – not documented in VPHCP):	<ul style="list-style-type: none"> <li>• MON-SURV-VEG VERPOO-1 – conduct qualitative monitoring</li> <li>• MGT-IMP-VPML1 VERPOO-4 – conduct routine management</li> </ul>

The management actions proposed for this project specifically address key MSP Roadmap primary strategies for target species including, but not limited to 1) Managing threats to increase population size, 2) Reintroduce seed into consistently small occurrences, 3) Improve connectivity among occurrences within genetic clusters.

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)

The entire 8.68-acre project footprint lies within MSPA conserved lands of Management Unit 3 (See Attachment 1).

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 application.

Threats assessments conducted as part of annual IMG monitoring have shown non-native weeds to be a pervasive and increasing threat in the project area. According to the IMG threats data collected between 2014-2021, primary stressors noted for these occurrences of San Diego thornmint, Otay tarplant, and Orcutt’s bird’s-beak have consistently included non-native grasses and non-native forbs. Dumping/trash and encampments have also been periodically documented in the Otay tarplant and Orcutt’s bird’s-beak maximum extent areas. Implementation of this project will have a heavy focus on targeted weed control and trash removal to reduce these threats to levels that are amenable to long-term management. Encampments will continue to be reported and managed as needed in coordination with the City of San Diego Police Department and Environmental Services Department.

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?

Management techniques will follow the BMP guidelines for San Diego thornmint and Otay tarplant detailed in the MSP F-RPMP. These BMPs include a step-by-step process that has been used to successfully restore populations of both species (Land IQ and CBI 2017, Doderer pers. comm.). These steps must be completed in order and include: 1) Dethatch (prepare) the site, 2) Control non-native grasses, 3) Control non-native forbs and competitive native plants, 4) Reintroduce seed (if warranted), 5) Continue weed control. Dethatching will occur once during the summer or fall following the NTP if needed to reduce thatch cover to less than 25%, using rake or line trimmers only. Control of non-native grasses and forbs will be accomplished utilizing an adaptive management approach that employs a combination of weed control strategies, including focused and repeated herbicide applications, line trimming, hand-clipping, and hand-pulling weeds prior to flowering and seed set. As this process will be repeated over several cycles each year for up to five years, the weed seed bank will become depleted, allowing native plants to occupy the space. Seed from the San Diego thornmint occurrence has already been collected and is in long-term storage at the San Diego Zoo Seed Bank. A portion of this seed will be withdrawn from storage and bulked at a research facility specializing in seed bulking, and then distributed on-site. Seed from the other MSP occurrences will be collected (if available) and redistributed on-site as needed following at least one year of weed control efforts. In the event of drought conditions during the growing season, supplemental watering may be performed to increase seed germination, flowering, and seed production. Weed treatments will only be completed by qualified and experienced field crews overseen by a qualified biologist to help ensure that MSP species and other sensitive species are protected. This strategy has proven to be an effective approach used for rare-plant-focused restoration projects including recent

SANDAG EMP grant-funded thornmint restoration efforts at Mission Trails Regional Park and at Wrights Field (Allen pers. comm., Dodero pers. comm., McMillan pers. comm.). Implementation of the program is not expected to have any negative effects on sensitive species or habitats.

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 long-term strategy for this project is to reduce non-native weed populations to a low threshold where native species can provide a competitive advantage over non-native species, significantly reducing the annual ongoing maintenance requirements performed by the City. The proposed project area is a site of relatively high disturbance that is bound by higher quality habitat containing less weed cover. The surrounding areas already serve as a beneficial buffer to the areas being restored and enhanced. With adequate project funding over successive years, the appropriate resources can be allocated to this highly disturbed project area to ensure weeds are controlled before they flower and set seed while preserving native species establishment. This formula has been used successfully on restoration and enhancement projects throughout the region.

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?

This project will implement specific MSP MU3 goals and objectives for San Diego thornmint, Otay tarplant, Orcutt's bird's-beak, San Diego ambrosia and vernal pool habitats. These MSP goals and objectives will be accomplished by removing non-native weeds that are directly competing with sensitive plant populations, seed collection, seed bulking and redistribution, and intensive follow-up weed treatments. Species focused IMG protocol monitoring, and general vegetation surveys will be conducted annually to document the response to management actions within the enhancement areas. Estimates of native and non-native plant cover will be conducted using a modified Relevé rapid assessment method. City PRD biologist(s) and/or a qualified biological consultant familiar with the City MSCP Subarea Plan, and the MSP IMG Protocol will collect the monitoring data. The biological consultant will have at least five years of experience monitoring habitat restoration projects focused on IMG priority species. City staff biologist(s) qualifications include over 25 years of combined biological monitoring experience, including seven years of ongoing IMG species monitoring.

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 collected in the field using ESRI Survey 123 and Fields Maps digital data collection tools and managed in Microsoft Excel, Microsoft Access, and ArcGIS software. The data will be compiled and transferred to SANDAG and published on the SDMMP web portal by the City of San Diego along with annual monitoring reports. The City MSCP biologist(s) will prepare the quarterly, final, and all other reports. The City will submit the reports to SANDAG following internal review.

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, the proposed project footprint has not been a recipient of TransNet EMP funding.

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

A portion of the proposed project (1.55-acre fenced area) was formerly a San Diego thornmint mitigation site for the

Pardee Denney Ranch development, which was completed in the early 2000s, while the remaining 6.99 acres of the proposed project was preserved open space from that same development but was not actively managed at that time.

11. Does the proposed project provide a co-benefit to CBO Network Communities and foster social equity? Please describe. Additional Points can be awarded if this is relevant to the project and is appropriately described to meet the qualifications listed in the call for projects.

The proposed project site is located within preserved MSP open space of a CBO Network Community. The percentile ranking for the communities surrounding the proposed project area are as follows:

- CalEnviroScreen 3.0 Percentile – 55 to 60%
- Pollution Burden Percentile – 86%
- Population Characteristics Percentile – 36%

As a result of this project, benefits to the community include improved passive recreational opportunities, clean-up of trash and debris, improved aesthetics, reduction of biomass, flash-fuel loads, and fire hazards, and enhancement of valuable sensitive species resources.

Scope of Work by Task

Exhibit A – Proposed Project Scope of Work

Task No.	Task Name	Task Description	Quantifiable Results/Deliverables
1.	Area 1: SD thornmint restoration and vernal pool enhancement (1.55 acres)	<p>Focused San Diego thornmint restoration and vernal pool habitat enhancement activities within designated area following BMPs in MSP F-RPMP:</p> <ul style="list-style-type: none"> <li>• Dethatch in summer if thatch cover exceeds 25% using rakes or line trimmers only. Remove cut biomass.</li> <li>• Use adaptive weed management to treat weeds a minimum of three times per year up to five years.</li> <li>• Seed collection (if available), bulking and redistribution.</li> <li>• Monthly visits to perform continued weed control, site maintenance, access control as needed.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce thatch cover within Area 1 by 95 percent.</li> <li>• Reduce weed cover in Area 1 by 75 percent.</li> <li>• Up to 15 weed management visits over 5 years</li> <li>• Increase and expand population of San Diego thornmint.</li> </ul>
2.	Area 2: SD thornmint buffer (1.54 acres)	<p>Dethatching and weed management within a 50-ft buffer of the fenced SD thornmint site to help prevent re-invasion of weed species. Minimum of three times per year up to five years.</p>	<ul style="list-style-type: none"> <li>• Reduce thatch within Area 2 by 95 percent.</li> <li>• Reduce weed cover in Area 2 by 75 percent.</li> </ul>
3.	Area 3: Otay tarplant restoration (3.36 acres)	<p>Focused Otay tarplant restoration activities within designated area following BMPs in MSP F-RPMP:</p> <ul style="list-style-type: none"> <li>• Dethatch in summer if thatch cover exceeds 25% using rakes or line trimmers only. Remove cut biomass.</li> <li>• Use adaptive weed management to treat weeds a minimum of three times per year up to five years.</li> <li>• Seed collection and redistribution (no bulking warranted due to population size).</li> <li>• Monthly visits to perform continued weed control, site maintenance, access control as needed.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce thatch cover within Area 3 by 95 percent.</li> <li>• Reduce weed cover in Area 3 by 75 percent.</li> <li>• Up to 15 weed management visits over 5 years.</li> <li>• Increase population counts for Otay tarplant.</li> </ul>
4.	Area 4: San Diego ambrosia, Orcutt’s bird’s-beak, and vernal pool restoration and enhancement (2.23 acres)	<p>Focused SD ambrosia and Orcutt’s bird’s-beak restoration and vernal pool habitat enhancement activities within designated area:</p> <ul style="list-style-type: none"> <li>• Dethatch in summer if thatch cover exceeds 25% using rakes or line trimmers only. Remove cut biomass.</li> <li>• Use adaptive weed management to treat weeds a minimum of three times per year up to five years.</li> <li>• San Diego ambrosia and Orcutt’s bird’s-beak seed collection and redistribution (if needed).</li> <li>• Monthly visits to perform continued weed control, site maintenance, access control as needed.</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce thatch cover within Area 4 by 95 percent.</li> <li>• Reduce weed cover in Area 4 by 75 percent.</li> <li>• Up to 15 weed management visits over 5 years.</li> <li>• Increase and expand populations of Orcutt’s bird’s-beak and San Diego ambrosia.</li> </ul>

Task No.	Task Name	Task Description	Quantifiable Results/Deliverables
5.	Monitoring and Reporting	<ul style="list-style-type: none"> <li>• Annual focused surveys for San Diego thornmint, Otay tarplant, San Diego ambrosia, Orcutt’s bird-beak in designated restoration and enhancement areas and surrounding habitat.</li> <li>• Native and non-native vegetation cover monitoring in restoration and enhancement areas using modified Relevé protocol.</li> <li>• Photo monitoring</li> <li>• Annual IMG protocol monitoring for MSP species.</li> <li>• Data management and QA/QC</li> <li>• Prepare quarterly, annual, and final reports.</li> </ul>	<ul style="list-style-type: none"> <li>• One pre-restoration assessment documenting current conditions.</li> <li>• Quarterly reports detailing restoration activities performed.</li> <li>• Annual reports detailing restoration progress and annual monitoring results.</li> <li>• Final report detailing results of restoration effort.</li> </ul>
6.	Administrative	<ul style="list-style-type: none"> <li>• Organize timing of site visits, hiring and management of contractor, ordering materials, internal reporting, contracting, billing, accounting, and ensure compliance with grant requirements.</li> </ul>	<ul style="list-style-type: none"> <li>• Invoices, receipts, and documentation of work performed</li> </ul>

## Budget by Task

Please include a specific budget for each task described in the Scope of Work (Section B above). This should include both requested SANDAG funds and any matching funds proposed for each project year. *If matching funds are proposed, please distribute the match commitment proportionately.*<sup>1</sup> Applicants are encouraged to identify phasing in their application in case full funding for the Project is not available. You may add or subtract rows and columns as needed. *This funding category is intended to fund restoration and enhancement projects taking place over a three- to five-year period and will not cover on-going annual costs within applicant's organization.*

### Exhibit B – Proposed Project Budget

Task No.	Task Name	Year 1 Grant Request	Year 1 Matching Funds <sup>1</sup>	Year 2 Grant Request	Year 2 Matching Funds <sup>1</sup>	Year 3 Grant Request	Year 3 Matching Funds <sup>1</sup>	Year 4 Grant Request	Year 4 Matching Funds <sup>1</sup>	Year 5 Grant Request	Year 5 Matching Funds <sup>1</sup>	Total Grant Request	Total Matching Funds	Total Projects Cost
1	Area 1: SD thornmint restoration and vernal pool habitat enhancement	\$41,890	\$0	\$33,974	\$0	\$29,720	\$0	\$29,720	\$0	\$20,430	\$0	\$155,734	\$0	\$155,734
2	Area 2: SD thornmint buffer	\$18,518	\$0	\$11,232	\$0	\$10,415	\$0	\$10,415	\$0	\$10,415	\$0	\$60,995	\$0	\$60,995
3	Area 3: Otay tarplant restoration	\$37,831	\$0	\$28,236	\$0	\$27,446	\$0	\$27,446	\$0	\$19,586	\$0	\$140,545	\$0	\$140,545
4	Area 4: San Diego ambrosia and Orcutt's bird's-beak restoration and vernal pool habitat enhancement	\$40,203	\$0	\$29,630	\$0	\$27,010	\$0	\$27,010	\$0	\$20,471	\$0	\$144,324	\$0	\$144,324
5	Monitoring and Reporting	\$0	\$10,925	\$0	\$10,925	\$0	\$10,925	\$0	\$10,925	\$0	\$10,925	\$0	\$54,625	\$54,625
6	Administrative	\$0	\$6,017	\$0	\$6,017	\$0	\$6,017	\$0	\$6,017	\$0	\$6,017	\$0	\$26,449	\$26,449
<b>Subtotal</b>		\$138,422	\$16,942	\$103,072	\$16,942	\$94,591	\$16,942	\$94,591	\$16,942	\$70,902	\$16,942	\$501,598	\$81,074	\$582,672
<b>Total</b>		\$138,422	\$16,942	\$103,072	\$16,942	\$94,591	\$16,942	\$94,591	\$16,942	\$70,902	\$16,942	\$501,598	\$81,074	\$582,672
<b>Percentage</b>		24%	3%	18%	3%	16%	3%	16%	3%	12%	3%	86%	14%	100%

## Project Schedule

Please include start and end dates relative to the anticipated Notice to Proceed (assumes fall 2022) for each task described in the Scope of Work (Section B above). Please list tasks for quarterly reporting on the status of the grant project and a final report on the outcome of the grant project. You may add or subtract rows as needed.

### Exhibit C – Proposed Project Schedule (Assumes fall 2022 Notice to Proceed [NTP])

Task No.	Task Name	Proposed Start Date	Months Needed to Complete Task	Task End Date
1.	Area 1: SD thornmint restoration and vernal pool habitat enhancement	3 Months from NTP	57 Months	12/01/2027
2.	Area 2: SD thornmint buffer	3 Months from NTP	57 Months	12/01/2027
3.	Area 3: Otay tarplant restoration	3 Months from NTP	57 Months	12/01/2027
4.	Area 4: San Diego ambrosia and Orcutt's bird's-beak restoration and vernal pool habitat enhancement	3 Months from NTP	57 Months	12/01/2027
5.	Monitoring and Reporting	3 Months from NTP	57 Months	12/01/2027
6.	Administrative	1 Month from NTP	60 Months	12/01/2027

*Please explain why and how much additional time would be needed in the event of any delays due to NTP being provided beyond fall 2022 and/or unexpected weather conditions such as drought that could occur during the proposed project implementation.*

Potential delays could occur if the City's Purchasing and Contracting Department is held up approving the consultant contract. If this were to occur, potentially three to six months of additional time would be needed.

## Notice Regarding Prevailing Wages

California law requires that public works projects pay prevailing wages for workers.

Applicant acknowledges that any work that qualifies as a "public work" within the meaning of California Labor Code Section 1720 shall cause Applicant and its subcontractors to comply with the provisions of California Labor Code Sections 1775 et seq, which includes the payment of prevailing wages to all workers performing prevailing wage work.

Yes  No

Applicant acknowledges that if Applicant or its subcontractors will engage in the performance of a public work as defined by California Labor Code Sections 1720 et seq. and will utilize persons who are not employees of a public entity, registration and payment of an annual registration fee to the California Department of Industrial Relations (DIR) shall be required of each entity performing the work. This requirement applies to anyone affected by the public works statutes found in the California Labor Code, including but not limited to landscapers, fencers, surveyors, soil testers, dredgers, heavy equipment operators, and inspectors.

Yes  No

Applicant acknowledges that if Applicant will award any subcontracts for the performance of a public work:

- Applicant shall notify SANDAG 30 calendar days prior to the award of each subcontract so SANDAG can create a Project Registration Form (aka PWC-100 form) for each subcontract using the DIR online database. Applicant will provide to SANDAG the name, DIR registration number, and contractor's license numbers of each subcontractor so SANDAG can verify, prior to Applicant's award of the subcontract for a public work, that the selected subcontractor is currently licensed and registered with the DIR. If SANDAG finds that the selected subcontractor is not licensed and registered with the DIR, SANDAG will promptly notify Applicant and Applicant will not be permitted to award the subcontract to the selected subcontractor.

Yes  No

- Applicant shall notify SANDAG ten business days prior to the subcontractor performing the prevailing wage work so SANDAG can prepare for labor compliance monitoring.

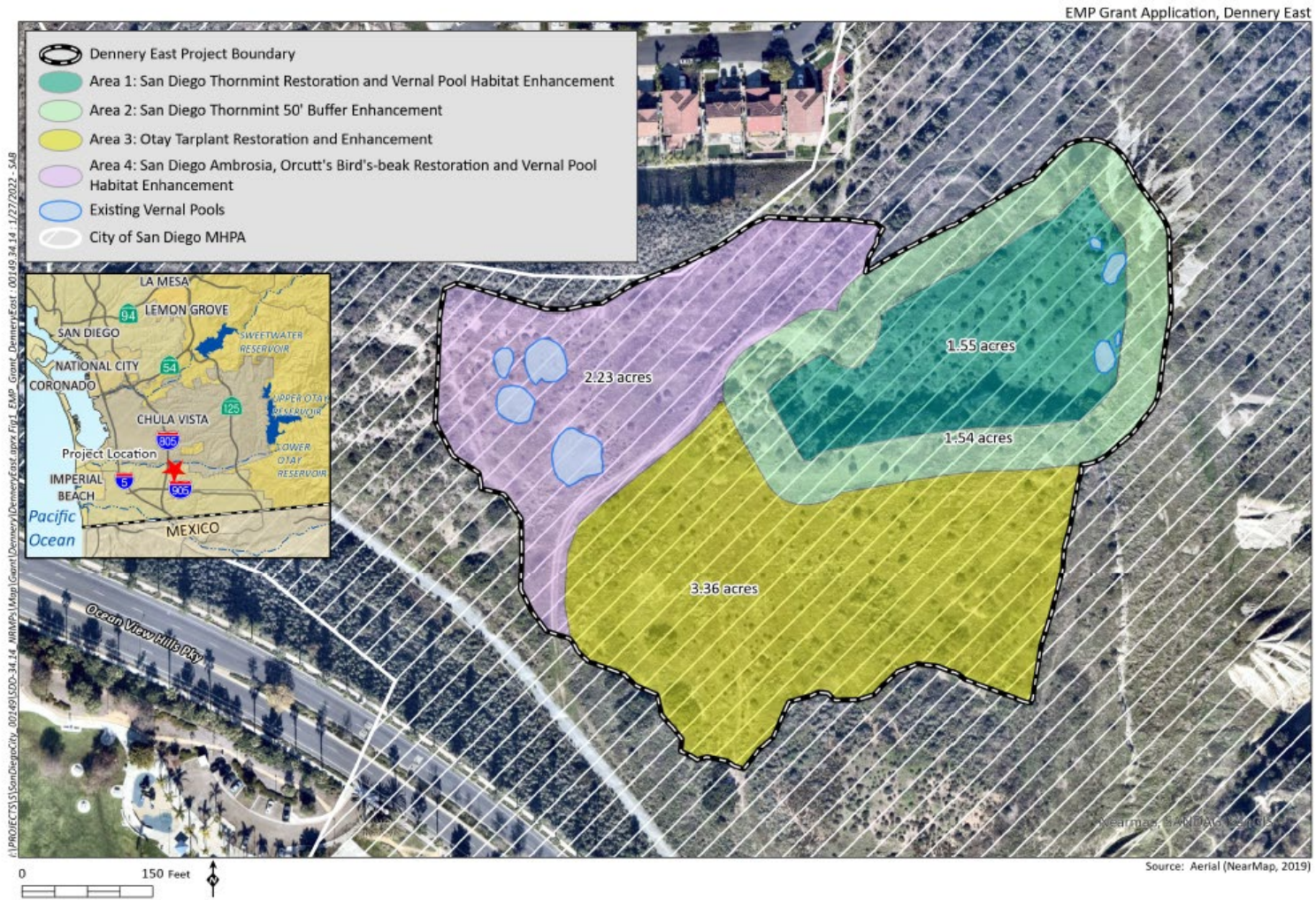
Yes  No

- If there are any changes to a subcontractor or lower-tier subcontractor, Applicant will advise SANDAG of these changes as soon as those changes are known to the Applicant.

Yes  No

Attachments

Attachment 1 – Map of Proposed Project Areas



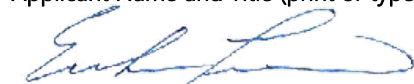
## Required Statements from Applicant

- | Yes                                 | No                       |   |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The applicant has read and understands the Sample Grant Agreement (Agreement) and Invoice Template (Attachment 4).  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | If the Board of Directors approves the proposed project application, the applicant agrees to sign and return the Agreement to SANDAG, without exceptions or amendments, within 45 days of receipt.  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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: <a href="http://sandag.org/organization/about/pubs/policy_035.pdf">sandag.org/organization/about/pubs/policy_035.pdf</a>   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The applicant understands that 10% of all invoiced amounts will be retained until the completion of the proposed project.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The applicant understands that for proposed projects with matching funds, retention will be withheld beyond the 10% 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.  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The applicant understands that invoices and reports must be submitted on a quarterly basis within three weeks after each period close covering January 1 to March 31; April 1 to June 30; July 1 to September 30; and October 1 to December 31.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The applicant understands that the EMP quarterly report template (to be sent to the grantee after NTP is issued and can be found at <a href="http://sandag.org/index.asp?classid=17&amp;projectid=447&amp;fuseaction=projects.detail">sandag.org/index.asp?classid=17&amp;projectid=447&amp;fuseaction=projects.detail</a> ) 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.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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 can be found at <a href="http://sandag.org/index.asp?classid=17&amp;projectid=447&amp;fuseaction=projects.detail">sandag.org/index.asp?classid=17&amp;projectid=447&amp;fuseaction=projects.detail</a> ); and all outstanding deliverables in order to receive final payment and have retained funds released. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 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 applications. SANDAG will provide applicants with advance notice of the Regional Planning Committee's anticipated meeting date.   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | The applicant agrees to submit all project data/information to SANDAG and to upload data and reports to a project page created by the applicant on the SDMMP web portal in a format consistent with regional management databases.  |

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

Erika Ferreira , Deputy Director, Open Space Division: City of San Diego Parks and Recreation Department

Applicant Name and Title (print or type)



Applicant Signature

1-28-2022

Date