

Species and Habitat Recovery Grant Application

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

Applicant Name¹: Mission Trails Regional Park Foundation, Inc. (MTRP Foundation)

Address: One Father Junipero Serra Trail, San Diego, CA 92119

Phone: (619) 582-4502

Email: jmorrissey@mtrp.org

Name of Property: Mission Trails Regional Park (MTRP)

General Location²: **Sites 1 and 2**: approximately 0.15 mile east of the Mission Trails Clairemont Mesa Trailhead parking lot. **Site 3**: approximately 0.08 mile east of the intersection of Invierno Dr. and Colina Dorada Dr. **Site 4**: approximately 0.17 mile northeast of the intersection of Father Junipero Serra Trail and Bushy Hill Dr.

Jurisdiction³: City of San Diego

Total Acres: 8,000 acres (Mission Trails Regional Park)

Estimated Acres Requiring Management: **Site 1**: 0.5 ac, **Site 2**: 0.19 ac, **Site 3**: 0.57 ac, **Site 4**: 0.14 ac = 1.4 ac

Owner(s) of Property⁴: City of San Diego

Land manager(s) of property (include name[s]): City of San Diego Parks and Recreation Department (City PRD)

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

The goal of this project is to improve and expand areas occupied by San Diego thornmint (MSP Category SO) and translocate thornmint to areas with suitable friable clay soil within MTRP through restoration and enhancement of degraded habitat. This program addresses the immediate needs of thornmint within the MTRP where loss and degradation of existing thornmint habitat has occurred due to an increase of invasive plants and drought. Activities consist of herbicide treatment, fence and sign installation, thornmint and other native seed collection and redistribution, vegetation monitoring, photo monitoring, and thornmint monitoring. The methodologies used in conjunction with this proposal are similar to those used to restore approximately 0.5 acre of thornmint habitat located in MTRP and 0.4 acre of thornmint habitat located in Chula Vista’s Central City Preserve. This project is consistent with the management objectives and actions prescribed in the MSP (page V2D.1-2), CBIs / SDMMPs Adaptive Management Framework for the Endangered San Diego Thornmint (pages 11 and 16), the MTRP Natural Resources Management Plan (NRMP), and the City of San Diego MHPA – Eastern Area MSCP Subarea Plan. Weed removal last occurred within Sites 1 and 2 in March 2021 and Site 4 February 2021.

¹ While collaboration is encouraged in the development of the grant application, the application must identify one organization as the lead entity that will enter into an Agreement with SANDAG.

² Physical address, or closest cross streets or property boundary.

³ Name of city where the project is located. County of San Diego can be listed for the unincorporated areas of the region.

⁴ If the applicant is not the landowner, please submit a letter or right-of-entry permit from the landowner granting permission to perform the land management duties as outlined in the application. Failure to provide the letter or right-of-entry permit will lead to disqualification of the application. (Attached letter or right-of-entry permit (if applicable) does not count towards 12-page maximum.)

Quantify expected results (add bullets as necessary)

- Restore and enhance degraded habitat for San Diego thornmint within approximately 0.5 ac at Site 1, 0.19 ac at Site 2, 0.57 ac at Site 3, and 0.14 ac at Site 4 (total = 1.4 ac)
- Reduce weed infestation within clay lens habitat for San Diego thornmint.
- Increase the number of individuals of San Diego thornmint.
- Expand areas occupied by San Diego thornmint at Site 1 (MOM OccID ACIL_4MTRP021).
- Reintroduce San Diego thornmint at Site 2 to complement the population at Site 1.
- If found to be extant, expand areas occupied by San Diego thornmint at Site 3 (MOM OccID 4MTRP022). If found to be extirpated, then reintroduce San Diego thornmint at Site 3.
- Establish one new population of San Diego thornmint at Site 4 (near MOM OccID AMPU_4KULA005).
- Expand areas occupied by native plant species that support potential pollinating insects.
- Matching: 1) Quantitative monitoring will be conducted using the MSP IMG monitoring method by City PRD biologist(s) at Sites 1 and 2 where IMG occurrences have been previously established. New IMG monitoring locations will be established at Sites 3 and 4 the following year after thornmint has been introduced through the seeding effort. 2) Peeler pole fencing will be installed by the City of San Diego to prevent public entrance into Site 2. 3) Do not enter/preserve sign(s) will be provided by the City of San Diego for the contractor to install at Site 3. 4) Non-native plant treatment consisting of mowing and herbicide spot spraying will be conducted annually by City PRD staff and volunteers in the area surrounding Site 4 which will provide a buffer from non-native species for Site 4.
- Post-grant period: MSP IMG quantitative monitoring will be conducted annually by City PRD biologist(s) at each of the sites. Non-native plant treatment consisting of mowing and herbicide spot spraying will be conducted annually by City PRD staff and volunteers at Site 4 and the surrounding area (AMPU_4KULA005). Fencing and signs will be repaired by City of PRD staff, as needed.

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

MTRP Foundation 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 and the SDMMP MSP will be retained by the MTRP Foundation 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 MTRP Foundation and City MSCP staff that they possess the necessary biological technical services to successfully implement the San Diego thornmint habitat restoration project detailed in Exhibit A of this grant proposal. Prospective biological consultants must have at least 5 years of experience with San Diego thornmint habitat restoration.

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	\$10,000	Includes all staff time to administer the contract
Consultant/Contractor Expenses	\$196,955	Includes all costs for consultant/contractor services
Other Direct Expenses	\$0	Includes all equipment, supplies, mileage, etc.
Totals	\$206,955	
*if applicable		

Are there matching fund available? Yes No

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

Attach a letter from the organization/partner that ONLY provides confirmation that they are committed to providing the matching funds proposed for this project. Letters confirming matching funds will not count toward the 12-page limit. (General letters of support not related to commitment of matching funds will NOT be accepted and will NOT be considered as part of the application).

In addition to the \$206,955 requested, \$52,025 in matching funds are assured from the City of San Diego. City of San Diego Department of Parks and Recreation biologist and ranger staff time for this project is assured due to the City's obligation to implement the provisions of the City of San Diego MSCP Subarea Plan.

Project Application

The application will include: (a) the purpose of the project; (b) the scope of work by tasks; (c) the proposed budget, including matching funds, by task; and (d) a schedule for each task. Applicants must clearly identify their proposed tasks in the scope of work, funding requested for each task (please identify staff hours and cost separately from consultant/contractor costs), start and end dates of the tasks, and deliverables. *Applicants are encouraged to identify phasing and prioritization of tasks in their application in case full funding for the project is not available.*

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 MTRP Foundation is proposing to implement a multi-year species-specific management program focused on restoring and enhancing approximately 1.4 acre of degraded habitat for San Diego thornmint (Federally

Threatened / State Endangered, Narrow Endemic Covered Species under the City's MSCP Subarea Plan, and MSP listed sensitive species [Category SO]). This program addresses the immediate needs of the San Diego thornmint within MTRP Fortuna (CNDDDB EO 33; MOM OccID ACIL_4MTRP021) and (EO 35; MOM OccID 4MTRP022) where loss and degradation of existing clay lens habitat has occurred due to an increase of invasive plant species and drought.

Activities included in this grant proposal that will benefit sensitive species and vegetation communities include herbicide treatment, fence and sign installation, native seed collection and redistribution to expand occupied habitat and introduce thornmint to new locations with suitable friable clay soil, vegetation monitoring, and focused monitoring surveys for the San Diego thornmint in the treatment areas. The methodologies used in conjunction with this proposal are similar to those used to successfully expand and increase the population of thornmint within approximately 0.5 acre at Site 1 and used to successfully increase the population of thornmint at Wrights Field. Both of these projects were formerly funded through EMP grants. In 2020 and 2021, the thornmint at both of these projects 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 were successful in building 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 proposes native grassland and clay lens habitat restoration and enhancement activities within MTRP Fortuna and Mission Gorge Area to improve habitat function, increase suitable habitat, and reduce the risk of extirpation or a population genetic bottleneck of San Diego thornmint within this area. This project is consistent with the management objectives and actions prescribed in the City of San Diego's MSCP, the MTRP NRMP, and CBIs / SDMMPs Adaptive Management Framework for the Endangered San Diego Thornmint (Appendix A Management Strategic Plan Table A-9). The MSP states that the results of CBI's thornmint review (Adaptive Management Framework for San Diego Thornmint) will be utilized as the basis for the MSP goals and objectives for San Diego thornmint (MSP Vol. 2 Section 2.2.1, page 2-120). Specifically, San Diego thornmint within MTRP Fortuna (CNDDDB EO 33; MOM OccID ACIL_4MTRP021 and CNDDDB EO 35; MOM OccID ACIL_4MTRP022) will benefit from this project. Per the Adaptive Management Framework: Management that stabilizes or increases the population size of EO 33 would increase the regional importance of this group (page 11).

The population of thornmint within MTRP Fortuna (CNDDDB EO 33; MOM OccID ACIL_4MTRP021) has been designated as a large population and has high priority for management (as per CBIs / SDMMPs Adaptive Management Framework for the Endangered San Diego Thornmint).

Per the MSP Management and Monitoring Approach: The overarching goal for San Diego thornmint is to maintain large populations, enhance small populations, and establish new populations or pollinator habitat to buffer against environmental stochasticity, maintain genetic diversity, and promote connectivity, thereby enhancing resilience within and among MUs over the long term (>100 years) in native habitats (MSP page V2D.1-2).

The Adaptive Management Framework provides Opportunity Areas for thornmint (page 16): Opportunity Areas are conserved lands within the MSPA that have the potential to enhance regional population structure and long-term resilience of San Diego thornmint by supporting (1) new populations, (2) suitable sites for enhancement or establishment of thornmint populations or pollinator habitat, or (3) potential translocation sites. The proposed project incorporates tasks that support these Opportunity Areas through enhancement/expansion and establishment of populations (page 30).

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 proposed project is located within MU4 (see Figure 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.

Recent site reconnaissance performed in conjunction with this grant proposal identified the presence of several invasive species within the project area including annual grasses and forbs, such as purple falsebrome

(*Brachypodium distachyon*), prickly sow thistle (*Sonchus asper*), and tocalote (*Centaurea melitensis*). These invasive species compete for light and water that would otherwise support San Diego thornmint. In order to increase the diversity and abundance of native plants that support potential pollinating insects for thornmint, native forb and grass seed will be collected from the surrounding preserve and redistributed within or adjacent to Sites 1-4. Suitable species for collection and redistribution will be determined through review of the City's rare plant monitoring dataset to ensure that the species occur naturally on the site. MTRP Foundation staff will hold annual public outreach events near a MTRP Fortuna trailhead/staging area during the grant period to inform residents and trail users of the restoration project and the importance of staying on formal trails.

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?

The methods outlined in this scope of work are similar to those used to expand thornmint within approximately 0.5 acre at Site 1. The methods proposed though this program involve intensive removal of invasive species, herbicide treatment, fence and sign installation, collection and dispersal of thornmint and other native seed, and maintenance.

The potential restoration and enhancement areas within MTRP Fortuna and Mission Gorge focus on one area known to be occupied by thornmint (Site 1), two areas with historic populations (Sites 2 and 3), and one area not historically occupied with thornmint, but that has friable clay soil suitable for introducing seed (Site 4). The City's MSCP Subarea Plan has been prepared to meet the requirements of the NCCP and serves to implement the San Diego County MSCP Subregional Plan for the regional preservation of natural vegetation communities. Implementation of City's MSCP Subarea Plan and the MTRP NRMP will ensure that the biological value of the Preserve is maintained and protected in perpetuity. To ensure no negative effects to San Diego thornmint occur, the project biologist will clearly flag areas where thornmint and other sensitive species occur and will monitor maintenance work to minimize any potential impacts to adjacent sensitive species and vegetation communities. The biological consultant will have at least 5 years of experience with San Diego thornmint habitat restoration.

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 scope of work for this project includes pre-implementation monitoring such as delineation of the areas for restoration and enhancement both as GIS data/map and in the field. Survey data collected by CBI, City staff, and RECON will be used to establish baseline conditions for thornmint. Focused thornmint and vegetation surveys will be performed annually in the spring to assess weed control and seeding efforts. In addition, repeat photos will be taken each year to provide a visual record of changes in the density and distribution of thornmint.

Restoration and enhancement will begin by dethatching standing dry non-native annual plant material followed by treating non-native annuals with herbicide prior to seed set. Thornmint seed as well as other native grass and forb seed within the immediate area of the sites will be collected and redistributed in Sites 1-4. The sites will be maintained, monitored, and reported on over a 5-year period. Maintenance and monitoring activities that will be performed over the 5-year program include: fence and sign installation, weed control, repeat photographs from the established photo point locations, focused thornmint surveys, and ground cover estimates using the rapid assessment method. Following the initial 5-year establishment period, long-term management of the site will be the responsibility of the City of San Diego. General maintenance tasks currently include: removal of trash and debris, ranger and volunteer trail patrols, and maintenance of public trails and fences.

This project is consistent with the management objectives and actions prescribed in CBIs / SDMMPs Adaptive Management Framework for the Endangered San Diego Thornmint, *Acanthomintha ilicifolia* (Appendix A Management Strategic Plan Table A-9). The MSP states that the results of CBI's thornmint review (Adaptive Management Framework for San Diego Thornmint) will be utilized as the basis for the MSP goals and objectives for San Diego thornmint (MSP Vol. 2 Section 2.2.1, page 2-120).

In addition, the MTRP Foundation's proposal will continue to expand upon San Diego thornmint efforts initiated by CBI which ended in 2014 and the previously funded EMP grant at Site 1 which ended in 2020. These combined

efforts are essential for the prolongation of the San Diego thornmint populations and would reduce the risk of potential extirpation of this species.

MTRP Fortuna was selected for this project because thornmint is known to occur at Site 1 and was historically known to occur at Sites 2 and 3. MTRP Mission Gorge was selected because friable clay soil suitable for thornmint seed introduction is present at Site 4.

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 proposed project implements specific SDMMP MSP MU4 goals and objectives for San Diego thornmint populations by implementing invasive plant control, enhancing habitat through seed collection and redistribution of species that support pollinators, and enhancing and expanding populations of thornmint. The MSP goals and objectives will be accomplished through the removal of exotic annuals that are directly competing with thornmint populations, intensive follow-up weed treatment, fence and sign installation, thornmint seed collection and redistribution, and native grass and forb seed redistribution. Focused surveys for the thornmint and vegetation surveys will be conducted annually in the spring to assess the response to management actions within the enhancement areas. City PRD biologist(s) and a qualified biological consultant, familiar with the City of San Diego MSCP Subarea Plan, the MTRP NRMP, and the SDMMP MSP will collect the monitoring data. The biological consultant will have at least 5-years of experience monitoring San Diego thornmint habitat restoration. Annual estimates of both native and non-native plant cover will be conducted using the rapid assessment method. Repeat photographs will be taken annually to provide a visual record of changes in the density and distribution of thornmint. The biological consultant will collect the data and will have experience in both vegetation sampling and thornmint 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 on iPads with GPS capabilities, compiled using ArcGIS, and submitted to the SC-MTX website portal by a qualified biologist. The MTRP Foundation will prepare and submit quarterly progress reports to SANDAG as well as transfer data to SANDAG. The qualified biologist will prepare the annual and final reports.

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?

Sites 1 and 2 received previous funding through the EMP program (#5004957). The 3-year project was successful in expanding thornmint in Site 1 where seed was distributed (seed was not distributed at Site 2). There were 43 thornmint observed in Year 1 prior to seed distribution. At the end of the project in Year 3, 846 individuals (520 of which were from the seeding effort) were observed. Additional funds are being requested to further expand the population at Site 1, to use the same successful methods to expand thornmint (if it is still present) at Site 3 and introduce thornmint at Sites 2 and 4, to continue weed control at Site 1, and to implement weed control at Sites 2-4. With renewed funding at Site 1, additional weed control can be accomplished and the thornmint population can further be expanded to make the population more resilient. If only partial funding is available, continued restoration and expansion efforts at Site 1 would provide the greatest benefit to the thornmint species and is highest priority.

10. Is the proposed activity being done on land that was previously set aside as mitigation? *If yes, please elaborate.* Areas selected for this project are all located within the MTRP. The MTRP is a 7,220-acre habitat conservation area established in response to the City of San Diego's MSCP Subarea Plan as a means to protect sensitive biological resources within the jurisdiction. The associated MTRP NRMP, provides guidelines for the protection, maintenance, and management of preserved natural open space of the MTRP.

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 project does not provide a co-benefit to CBO Network Communities or foster social equity.

Scope of Work by Task

Please break down the application into discrete tasks and include a task name, description of each task, quantifiable expected results, and discrete deliverables for each task.

Note: make sure to 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 A – Proposed Project Scope of Work

Task No.	Task Name	Task Description	Quantifiable Results/Deliverables
1.	Field Assessment (Pre-implementation Monitoring [P])	Prior to implementation, the project biologist shall conduct a field assessment within Sites 1-4 to finalize the project boundaries and to plan for initiating implementation tasks. Proposed areas best suited for restoration and/or enhancement were mapped as part of this proposal (Fig. 1). Areas best suited for restoration include open areas with lower shrub cover located within friable clay soil.	<ul style="list-style-type: none"> One field assessment will be conducted.
2.	Vegetation Monitoring (P)	Prior to initiating vegetation weeding/thinning activities, vegetation cover will be estimated using the rapid assessment method at Sites 1-4.	<ul style="list-style-type: none"> One survey will be conducted. The results of the pre-implementation vegetation monitoring will be included in the annual and final reports.
3.	Photo Monitoring (P)	Prior to implementing maintenance activities, permanent photo points will be established at Sites 2-4 to document weed control and seeding efforts. The results of the pre-implementation photo monitoring will be used as a visual baseline to compare to the site conditions at the end of the three-year restoration program. Photo monitoring points were previously established at Site 1 during the previous EMP grant project and will be revisited.	<ul style="list-style-type: none"> A minimum of 3 photo monitoring locations at Site 2, 5 monitoring locations at Site 3, and 5 monitoring locations at Site 4. The photos will be included in the annual and final reports.
4.	Dethatch	At Sites 1-3, areas dominated by non-native annuals or fascicled tarplant will be dethatched using line trimmers. Dethatching includes cutting dried plant material and removing it from the site. Thatch is not present at Site 4 as a result of herbicide spot treatment conducted by City PRD.	<ul style="list-style-type: none"> Sites 1-3 will be dethatched one time.
5.	Fence & Sign Installation	At Site 3, t-post barbless wire fencing will be installed to restrict unauthorized access into the restoration and enhancement area. A sign provided by City PRD will be installed to inform the public that the area is closed to access.	<ul style="list-style-type: none"> 170 linear feet of t-post barbless wire fencing will be installed. A minimum of one sign will be installed.
6.	Weed Treatment	At Sites 1-4, based on the results of the pre-implementation monitoring, weed treatment shall occur in areas dominated by non-native plant species where appropriate. Newly	<ul style="list-style-type: none"> Site 1 will be treated up to 16 times over 5 years Site 2 will be treated up to 13 times over 5 years

		germinated weeds will be controlled using glyphosate or removed by hand prior to seed set.	<ul style="list-style-type: none"> • Site 3 will be treated up to 16 times over 5 years • Site 4 will be treated up to 13 times over 5 years
7.	Seed Collection & Redistribution	Thornmint seed will be collected from Site 1 and redistributed in Sites 1-4. If thornmint is extant at Site 3 and the population is large enough to support seed collection, then seed will be collected from and redistributed at Site 3. Native grass and forb seed, including small-flowered morning-glory (<i>Convolvulus simulans</i>), shall be collected from the adjacent Preserve areas and redistributed within Sites 1-4.	<ul style="list-style-type: none"> • Seed collection will occur once each year at Site 1. • If available, seed collection will occur once each year at Site 3. • Redistribution will occur once each year at Sites 1 and 4 during Years 1-5. • Redistribution will occur once each year at Site 2 during Years 2-5. <i>At Site 2 in Year 1, enhancement efforts will focus on weed treatment. Therefore, redistribution will not occur in Year 1.</i> • Redistribution will occur once each year at Site 3 during Years 2-5. <i>At Site 3 in Year 1, focused surveys will be conducted to determine if the historic thornmint population is extant. Therefore, redistribution will not occur in Year 1.</i>
8.	Vegetation Monitoring	At Sites 1-4, vegetation cover will be estimated using the rapid assessment method to assess changes in the native and non-native cover during the course of the project.	<ul style="list-style-type: none"> • Vegetation monitoring will be conducted one time annually at each site.
9.	Photo Monitoring	At Sites 1-4, photos will be taken from the established photo points to provide a visual record of changes in the density and distribution of both native and non-native plants.	<ul style="list-style-type: none"> • One time annually at each site in spring.
10.	Focused San Diego Thornmint Survey	At Sites 2-4, initial focused surveys for thornmint will be performed to assess if seeding was successful. Once successful seed introduction is observed, City PRD will establish new MSP IMG occurrences the following year and will monitor as part of matching funds. Site 1 has previously been established as an IMG occurrence (ACIL_4MTRP021). Although Site 3 has an established IMG occurrence (ACIL_4MTRP022), per notes in MOM and CNDDDB the population is likely extirpated based on 2010 surveys. Therefore, Site 3 will be included in the initial focused surveys for thornmint.	<ul style="list-style-type: none"> • Focused Surveys: initial surveys consisting of mapping thornmint locations and a population count (conducted by the project biological consultant) • Focused thornmint surveys will occur one time at Site 2 after the initial seeding event in Year 2. • Focused thornmint surveys will occur one time at Site 3 during Year 1 prior to seeding to document if the historic population is extant and one time in Year 2 after the initial seeding event.

			<ul style="list-style-type: none"> • Focused thornmint surveys will occur one time at Site 4 after the initial seeding event in Year 1. • Matching: City PRD will conduct one MSP IMG survey annually at each site in the years subsequent to the initial focused thornmint surveys (Site 1: Years 1-5; Site 2: Years 2-5; Site 3: Years 3-5; Site 4: Years 2-5).
11.	Quarterly Reports	Quarterly progress reports will be prepared and submitted to document enhancement activities. The quarterly reports will cover the following periods: January 1 to March 31; April 1 to June 30; July 1 to September 30; October 1 to December 31. The reports will be submitted to SANDAG within three weeks after each period.	<ul style="list-style-type: none"> • Each year, four quarterly progress reports will be submitted.
12.	Annual Reports	Annual reports will summarize enhancement efforts and monitoring results. The report will include management recommendations for the following season. Monitoring and management data will be submitted to the SC-MTX website portal.	<ul style="list-style-type: none"> • One annual report will be submitted each year for Years 1-4.
13.	Final Report	The final report (Year 5) will provide a summary of Years 1-4, will discuss Year 5 monitoring results and will include a discussion of future management needs for San Diego thornmint at Sites 1-4 as well as the surrounding Preserve. Monitoring and management data will be submitted to the SC-MTX website portal.	<ul style="list-style-type: none"> • One final report will be submitted for Year 5.
14.	Misc. Consultant Expenses	This task will include miscellaneous consultant expenses associated with herbicide, a truck mounted skid sprayer rental for applying herbicide, GPS rental, portable toilet, fence materials, and vehicle rental.	<ul style="list-style-type: none"> • Expenses necessary to complete Tasks 1-10.
"n"	MTRP Foundation Administrative	MTRP Foundation Administration tasks will include a variety of coordination and administration tasks to be completed by the MTRP Foundation throughout the duration of the project.	Matching funds will be used to: Hold three public outreach events at MTRP; Oversee the biological contractor; create and submit quarterly reports; Contract administration/invoice review.

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.¹ 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 ¹	Year 2 Grant Request	Year 2 Matching Funds ¹	Year 3 Grant Request	Year 3 Matching Funds ¹	Year 4 Grant Request	Year 4 Matching Funds ¹	Year 5 Grant Request	Year 5 Matching Funds ¹	Total Grant Request	Total Matching Funds	Total Projects Cost
1	Sites 1, 2: Field Assessment (P)	\$1,382	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$1,382	\$0	\$1,382
1	Site 3: Field Assessment (P)	\$727	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$727	\$0	\$727
1	Site 4: Field Assessment (P)	\$655	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$655	\$0	\$655
2	Sites 1, 2: Vegetation Monitoring (P)	\$575	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$575	\$0	\$575
2	Site 3: Vegetation Monitoring (P)	\$383	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$383	\$0	\$383
2	Site 4: Vegetation Monitoring (P)	\$383	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$383	\$0	\$383
3	Sites 1, 2: Photo Monitoring (P)	\$647	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$647	\$0	\$647
3	Site 3: Photo Monitoring (P)	\$455	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$455	\$0	\$455
3	Site 4: Photo Monitoring (P)	\$383	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$383	\$0	\$383
4	Site 1: Dethatch	\$2,930	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$2,930	\$0	\$2,930
4	Site 2: Dethatch	\$2,012	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$2,012	\$0	\$2,012
4	Site 3: Dethatch	\$2,736	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$2,736	\$0	\$2,736
5	Site 3: Fence & Sign Installation	\$3,083	\$	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$3,083	\$0	\$3,083
6	Site 1: Weed Treatment	\$6,886	\$	\$7,093	\$	\$5,556	\$	\$5,722	\$	\$4,190	\$	\$29,447	\$0	\$29,447
6	Site 2: Weed Treatment	\$3,287	\$	\$3,666	\$	\$3,776	\$	\$2,642	\$	\$2,721	\$	\$16,092	\$0	\$16,092
6	Site 3: Weed Treatment	\$6,886	\$	\$7,093	\$	\$5,556	\$	\$5,722	\$	\$4,190	\$	\$29,447	\$0	\$29,447
6	Site 4: Weed Treatment	\$4,836	\$4,330	\$5,097	\$4,330	\$5,130	\$4,330	\$3,820	\$4,330	\$3,781	\$4,330	\$22,664	\$21,650	\$44,314
7	Sites 1, 2: Seed Collection & Redistribution	\$1,310	\$	\$1,349	\$	\$1,390	\$	\$1,432	\$	\$1,475	\$	\$6,956	\$0	\$6,956
7	Site 3: Seed Coll. & Redist.	\$655	\$	\$675	\$	\$695	\$	\$716	\$	\$737	\$	\$3,478	\$0	\$3,478
7	Site 4: Seed Coll. & Redist.	\$655	\$	\$675	\$	\$695	\$	\$716	\$	\$737	\$	\$3,478	\$0	\$3,478
8	Sites 1, 2: Vegetation Monitoring	\$572	\$	\$592	\$	\$610	\$	\$628	\$	\$647	\$	\$3,048	\$0	\$3,048

8	Site 3: Veg Monitoring	\$383	\$	\$395	\$	\$406	\$	\$419	\$	\$431	\$	\$2,034	\$0	\$2,034
8	Site 4: Veg Monitoring	\$383	\$	\$395	\$	\$406	\$	\$419	\$	\$431	\$	\$2,034	\$0	\$2,034
9	Sites 1, 2: Photo Monitoring	\$575	\$	\$592	\$	\$610	\$	\$628	\$	\$647	\$	\$3,051	\$0	\$3,051
9	Site 3: Photo Monitoring	\$383	\$	\$395	\$	\$406	\$	\$419	\$	\$431	\$	\$2,034	\$0	\$2,034
9	Site 4: Photo Monitoring	\$383	\$	\$395	\$	\$406	\$	\$419	\$	\$431	\$	\$2,034	\$0	\$2,034
10	Sites 1, 2, 3: Focused SD Thornmint Survey	\$575	\$4,050	\$592	\$4,050	\$0	\$4,050	\$0	\$4,050	\$0	\$4,050	\$1,167	\$20,250	\$21,417
10	Site 4: Focused SD Thornmint Survey	\$383	\$2,025	\$0	\$2,025	\$0	\$2,025	\$0	\$2,025	\$0	\$2,025	\$383	\$10,125	\$10,508
11	Quarterly Reports	\$2,299	\$	\$2,368	\$	\$2,439	\$	\$2,512	\$	\$2,588	\$	\$12,206	\$0	\$12,206
12	Annual Reports	\$4,940	\$	\$5,088	\$	\$5,241	\$	\$5,398	\$	\$0	\$	\$20,667	\$0	\$20,667
13	Final Report	\$0	\$	\$0	\$	\$0	\$	\$0	\$	\$12,219	\$	\$12,219	\$0	\$12,219
14	Sites 1, 2: Misc. Consultant Expenses	\$1,025	\$	\$765	\$	\$630	\$	\$630	\$	\$495	\$	\$3,545	\$0	\$3,545
14	Site 3: Misc. Consultant Exp.	\$1,525	\$	\$840	\$	\$630	\$	\$630	\$	\$495	\$	\$4,120	\$0	\$4,120
14	Site 4: Misc. Consultant Exp.	\$100	\$	\$100	\$	\$100	\$	\$100	\$	\$100	\$	\$500	\$0	\$500
"n"	MTRPF Admin	\$2,000	\$	\$2,000	\$	\$2,000	\$	\$2,000	\$	\$2,000	\$	\$10,000	\$0	\$10,000
Subtotal		\$56,393	\$10,405	\$40,162	\$10,405	\$36,682	\$10,405	\$34,971	\$10,405	\$38,748	\$10,405	\$206,955	\$52,025	\$258,980
Total		\$56,393	\$10,405	\$40,162	\$10,405	\$36,682	\$10,405	\$34,971	\$10,405	\$38,748	\$10,405	\$206,955	\$52,025	\$258,980
Percentage		22%	4%	16%	4%	14%	4%	14%	4%	15%	4%	80%	20%	100%

¹Throughout the Project, Matching Funds must be proportionate to Total Project Costs (Grant Request and Matching Funds combined). For example, if a proposed project Year 1 Grant Request is \$80,000 and proposed Year 1 Matching Funds are \$20,000, the Total Year 1 Project Costs are \$100,000. Therefore, the required proportionate matching funds to provide per invoice during Year 1 of the project are 20% (e.g. invoice submitted for \$8,000 grant amount reimbursement and \$2,000 matching funds submitted). However, if the Year 2 Grant Request is \$70,000 and proposed Year 2 Matching Funds are \$30,000, while the Total Year 2 Project Costs also are \$100,000, the required proportionate matching funds increases per invoice during Year 2 of the project to 30% (e.g. invoice submitted for \$7,000 grant amount reimbursement and \$3,000 matching funds submitted). 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 retained will not be released until the proportionate matching funds are reached for the project to-date.

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.	Field Assessment (P)	12/01/2022	2 Months	02/01/2023
2.	Vegetation Monitoring (P)	12/01/2022	2 Months	02/01/2023
3.	Photo Monitoring (P)	12/01/2022	2 Months	02/01/2023
4.	Dethatch	12/15/2022	2 Months	02/01/2023
5.	Fence & Sign Installation	01/01/2023	2 Months	03/01/2023
6.	Weed Treatment	01/01/2023	58 Months	11/01/2027
7.	Seed Coll. & Redist.	12/01/2022	58 Months	10/01/2027
8.	Vegetation Monitoring	04/01/2023	54 Months	10/01/2027
9.	Photo Monitoring	02/01/2023	56 Months	10/01/2027
10.	Focused SD Thornmint Survey	04/01/2023	14 Months	06/01/2024
11.	Quarterly Reports	01/01/2023	47 Months	11/30/2027
12.	Annual Reports	09/30/2023	38 Months	11/30/2026
13.	Final Report	09/30/2027	2 Months	11/30/2027
14.	Misc. Consultant Exp.	12/01/2022	60 Months	11/30/2027
....	Administrative	12/01/2022	60 Months	11/30/2027

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.

Based on the proposed timeline of this project, if the Notice to proceed is delayed beyond Fall 2022 or if weather becomes an insurmountable issue, the project would need to be extended by 3- 6 months depending on the length of delay or weather hold. This would allow for the project to complete the last growing season and allow for full weed control activities to be completed during the prime growing season. With a multi-year effort, initial start-up delay will be less impactful over the life of the project, and we can adjust the schedule accordingly without disrupting the goals and objectives of the project. Weather is a larger factor, particularly extremely low temperatures or extremely heavy precipitation in a given year. Extreme weather trends that last over multiple growing seasons may result in a shift of focus, either expanding or contracting the restoration areas in response to the extreme weather to ensure the long term viability of the restored habitats/species.

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

Required Statements from Applicant

Yes No

- The applicant has read and understands the Sample Grant Agreement (Agreement) and Invoice Template (Attachment 4).
- 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.
- 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: sandag.org/organization/about/pubs/policy_035.pdf
- The applicant understands that 10% of all invoiced amounts will be retained until the completion of the proposed project.
- 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.
- 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.
- 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.
- The applicant understands that the EMP quarterly report template (to be sent to the grantee after NTP is issued and can be found at sandag.org/index.asp?classid=17&projectid=447&fuseaction=projects.detail) 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.
- 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 sandag.org/index.asp?classid=17&projectid=447&fuseaction=projects.detail); and all outstanding deliverables in order to receive final payment and have retained funds released.
- 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.
- 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.

Jennifer Morrissey, Executive Director

Applicant Name and Title (print or type)

Applicant Signature

Date



1/29/22