



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

Grant Application Form and required supplementary materials (hereafter referred to as "proposal") cannot exceed 12 pages.

Applicant Name1: City of Chula Vista

Address: 276 Fourth Avenue, Chula Vista, CA 91910

Phone and Email Address: (619) 476-2329 / cgoddard@chulavistaca.gov

Name of Property: Central City Preserve Management Area (PMA)

General Location: Rice Canyon (PMA 1-2b) (MSP MU3)

Jurisdiction: City of Chula Vista

Total Acres: 1,350 acres (Central City PMA)

Estimated Acres Requiring Management: 2.14 acres

Owner(s) of Property2: City of Chula Vista

Land manager(s) of property (include name[s]): City of Chula Vista

Brief Project Summary that includes your primary goal and objectives (200-word maximum)

The goal of the project is to improve and expand areas occupied by the San Diego thornmint (Management Strategic Plan [MSP] Category SO {Significant occurrence(s) at risk of loss from Management Strategic Plan Area [MSPA]}) within Rice Canyon through habitat maintenance and enhancement. This program addresses the immediate needs of thornmint within the Central City Preserve where loss and degradation of existing thornmint habitat has occurred due to an increase of invasive plants, unauthorized recreational uses, and drought. Activities included in this program consist of dethatching annual weeds with follow-up herbicide treatment, 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 enhance approximately 17 acres of Otay tarplant and thornmint habitat located in Rice Canyon (EMP Grant #5001590; awarded in 2011 and completed in 2014). This project is consistent with the management objectives and actions prescribed in the Adaptive Management Framework for the Endangered San Diego Thornmint (MSP Appendix A; Table A-9) and the City of Chula Vista's (City) Area-Specific Management Directives (ASMDs) for the Central City Preserve. Dethatching of the thornmint population at Rice Canyon last occurred in 2011.

Quantify Expected Results (add bullets as necessary)

- Maintain and enhance degraded habitat for San Diego thornmint within approximately 2.14 acres of Rice Canyon (PMA 1-2b).
Reduce weed infestation within clay lens habitat for San Diego thornmint and other Multiple Species Conservation Program (MSCP) covered species, including Otay tarplant, variegated dudleya, and small-flowered morning glory.
Increase the number of individuals of San Diego thornmint.
Expand areas occupied by thornmint.
Expand areas occupied by native plant species that support pollinators.

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

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

Brief Description of dedicated staff and/or consultants that would work on Project (200-word maximum)

Chula Vista 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 Chula Vista MSCP Subarea Plan, Central City Preserve ASMDs, and the SDMMP MSP will be retained by the City 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 under the direct oversight of the City’s Development Services Director that they possess the necessary biological technical services to successfully implement the City’s San Diego thornmint 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	Proposed Matching Funds*	Description
Personnel Expenses Staff	\$0	\$0	Includes staff time for non-administrative work on the project
Personnel Administrative Expenses	\$0	\$6,000	Includes all staff time to administer the contract
Consultant Expenses	\$139,656	\$0	Includes all costs for consultant services
Other Direct Expenses	\$0	\$0	Includes all equipment, supplies, mileage, etc.
Indirect Costs ³	\$0	\$0	All indirect charges (e.g., overhead) on the project, if any.
Totals	\$139,656	\$6,000	

*if applicable

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 through the use of in-kind resources, more specifically, through the use of City staff time. City staff will administer the consultant contracts executed to implement the project. City staff time for this project, and all MSCP related projects, is assured due to the City's obligation to implement the provisions of the Chula Vista MSCP Subarea Plan pursuant to the Implementing Agreement between the Wildlife Agencies and the City of Chula Vista.

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 proposal).

³ Indirect Costs are only allowable if: (1) applicant has an indirect cost allocation plan audit approved by a qualified independent auditor or (2) the applicant’s proposed method for allocating indirect costs is submitted with the proposal in accordance with [OMB guidelines](#) and approved by SANDAG. Indirect costs will not be reimbursed until one of the two conditions above are satisfied and indirect cost allocation plans must be renewed annually. **The indirect cost methodology (if applicable) included with the application does not count toward the 12-page maximum.**

PROJECT PROPOSAL

The proposal 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 costs), start and end dates of the tasks, and deliverables. *Applicants are encouraged to identify phasing and prioritization of tasks in their proposal in case full funding for the project is not available.*

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. 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 to implement a multi-year species-specific management program focused on habitat maintenance and enhancement 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]) within approximately 2.14 acres of previously restored habitat. This program addresses the immediate needs of the San Diego thornmint within Rice Canyon (EO 90; MOM OccID ACIL_3PMA1013) by reducing weed encroachment into an area known to support 10,000 thornmint individuals, as well as expanding the population in an area where loss and degradation of existing clay lens habitat has occurred due to an increase of invasive plant species, unauthorized recreational use, historical cattle grazing, and drought. This project is consistent with the management objectives and actions prescribed in the MSP, City's Central City Preserve ASMDs, and the Adaptive Management Framework for the Endangered San Diego Thornmint by implementing invasive plant control, enhancing habitat through seed collection and redistribution of species that support pollinators, and enhancing and expanding populations of thornmint.

Activities included in this grant proposal that will benefit sensitive species and vegetation communities include dethatching annual weeds with follow-up herbicide treatments, native seed collection and redistribution to expand occupied habitat, 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 improve occupied thornmint habitat within approximately 17 acres of Otay tarplant and thornmint habitat located in Rice Canyon (EMP Grant #5001590, refer to Figure 1). Previous thornmint seed redistribution efforts as part of this EMP Grant #5001590 created seeded populations of over 3,000 plants at three separate locations.

In 2017, RECON biologists volunteered to collect MSP Inspect & Manage (IMG) data for the Rice Canyon thornmint (EO 90; MOM OccID ACIL_3PMA1013). A total of 10,091 individuals were observed and the data were submitted to the San Diego Management & Monitoring Program (SDMMP). The IMG monitoring identified encroachment from weeds as a potential threat to the population. Follow-up maintenance is needed to reduce encroachment from weeds and ensure the longevity of this population.

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 Rice Canyon to improve habitat function, increase suitable habitat, and reduce the risk of extirpation or a population bottleneck of San Diego thornmint within this area. Specifically, San Diego thornmint within Rice Canyon (EO 90; MOM OccID ACIL_3PMA1013) will benefit from this project. This project would also implement MSP Management Objective 3 (MGT-IMP ACAILI-3) by conducting routine management actions identified through IMG monitoring. IMG monitoring of the population in 2015 and 2017 identified non-native plant cover as a threat to the population. The project would also implement corresponding Action IMP-1, which specifically calls for protecting occurrences from disturbance by controlling invasive weeds to 20 percent cover or less.

The MSP states that the results of the Adaptive Management Framework for San Diego Thornmint [AMF] 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). This project is also consistent with the management objectives and actions prescribed in the AMF, which identifies as a regional management action to implement invasive plant control at regionally important and large populations where invasives have been identified as a threat (AMF pg. 24). The population at Rice Canyon is delineated as a large population by the AMF (>10,000 individuals), as well as a regionally important population (AMF pg. 7 and pg. 18).

This project is also consistent with the priority management tasks listed within the Central City ASMDs, which state that dry annual weeds will be dethatched from San Diego thornmint occupied habitat approximately once every five years or as determined by the Habitat Manager and as funding allows (ASMD for PMA 1 page 39 and PMA 4 page 34). Dethatching of the San Diego thornmint population at Rice Canyon last occurred in 2011.

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 MU₃ (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 proposal.

IMG monitoring in 2017 identified the presence of several invasive species within the project area including annual grasses and forbs, such as purple falsebrome (*Brachypodium distachyon*) as well as bromes (*Bromus* spp.), wild oats (*Avena* spp.), rye grass (*Festuca perennis*), filaree (*Erodium* spp.), and black mustard (*Brassica nigra*). These invasive species compete for light and water that would otherwise support San Diego thornmint. Compounding the threats associated with invasive species, past disturbance of the area (i.e., unauthorized recreational use and historical grazing) have also reduced the diversity of native plants. In order to increase the diversity and abundance of native plants that support pollinator insects for thornmint, native grass and forb seed will be collected from the surrounding preserve and redistributed within or adjacent to the restoration areas. To address unauthorized trail use, City staff will hold annual public outreach events near a Rice Canyon 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 previously restore approximately 17 acres of Otay tarplant and thornmint habitat located in Rice Canyon (EMP Grant #5001590). The success of this project expanded occupied habitat by creating seed populations of over 3,000 plants within three areas formerly dominated by weeds. Consistent with the successful efforts in Rice Canyon, the methods proposed through this program would maintain the habitat and expand the population of San Diego thornmint through intensive removal of invasive species, herbicide treatment, and collection and dispersal of thornmint and other native seed.

Habitat maintenance and enhancement activities within Rice Canyon would focus on previously restored areas where weeds are encroaching into areas known to be occupied by thornmint. Enhancement will begin by thinning areas dominated by non-native annuals by dethatching. Dethatching includes cutting dried weedy material and removing it from the site. Re-growth of non-native annuals will also be treated with herbicide prior to seed set. Thornmint seed will be collected and redistributed in the enhancement areas to expand the thornmint population. Other native grass and forb seed will be collected from within the immediate area and seeded into the enhancement areas to reduce competition from invasive species, increase native plant diversity and support native pollinators. Native plant species that may be collected include, but are not limited to, gumplant (*Grindelia camporum*), common wild onion (*Allium praecox*), wild-celery (*Apiastrum angustifolium*), common goldenstar (*Bloomeria crocea*), chaparral lupine (*Lupinus truncatus*), purple needlegrass (*Stipa pulchra*), and canchalagua (*Zeltnera venusta*). The enhancement sites will then be maintained, monitored, and reported on over a 3-year period. 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 throughout the 3-year period to avoid and minimize impacts to adjacent sensitive species and vegetation communities.

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 for the ASMDs, the previously funded EMP Grant #5001590, and volunteer monitoring work conducted in 2015, 2016, and 2017 by RECON biologists will be used to establish baseline conditions for thornmint. Focused thornmint 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.

To ensure long-term, successful outcome, the enhancement sites will be maintained, monitored, and reported on over a 3-year period. Maintenance and monitoring activities that will be performed over the 3-year program include: follow-up 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 3-year establishment period, long-term management of the site will be the responsibility of the City. Management tasks currently undertaken along the Preserve/urban interface areas that would be continued consist primarily of Priority 1 general maintenance tasks, including: removal of trash and debris, maintenance of public trails and fences, implementation of security programs to curtail illegal activities, and limited weeding along the Preserve/urban interface.

PMA subunit 1-2b was selected for this project because the largest population of thornmint in the Central City Preserve (10,091 individuals in 2017) is known to occur at this location. Though PMA subunits 1-1c, 4-1cw, and 4-2b are also known to support smaller San Diego thornmint, these areas were not selected for this project due to prohibitive costs. The remaining PMA subunits were not selected due to lack of suitable habitat or the lack of known occurrences of thornmint.

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 SDMMMP MSP MU₃ 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 population of thornmint within Rice Canyon has been designated as a large population and has high priority for management. 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, thornmint seed collection and redistribution, and native grass and forb seed redistribution. Focused surveys for the thornmint will be conducted annually in the spring to assess response to management actions within the enhancement areas. A qualified biological consultant, familiar with the Chula Vista MSCP Subarea Plan, Central City Preserve ASMDs, and the SDMMMP MSP will collect the monitoring data. The biological consultant will have 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 GPS units, compiled using ArcGIS, and submitted to the SC-MTX website portal by a qualified biologist. The City 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?

Yes, the proposed project located within Rice Canyon (PMA 1-2b; Figure 1) received *TransNet* EMP Fiscal Year 2010 funding for land management (EMP Grant #5001590; ended fall 2014). The previous project was successful in expanding and improving occupied thornmint habitat within Rice Canyon. Three seeded areas in and nearby Rice Canyon have created additional subpopulations of thornmint that exceed 3,000 plants based on 2016 volunteer monitoring by RECON biologists. Additional funds are being requested to reduce encroachment from weeds into the restoration areas and ensure the sustainability of this species population in Rice Canyon, which is consistent with the MSP management objective and actions related to protecting populations from disturbance by controlling invasive weeds to 20 percent cover or less. This management action would also be consistent with the AMF for thornmint, which identifies as a regional management action to implement invasive plant control at regionally important and large populations where invasives have been identified as a threat.

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 Central City Preserve. The Central City Preserve is a 1,350-acre habitat conservation area established in response to the City's MSCP Subarea Plan as a means to protect sensitive biological resources within the jurisdiction.

B. Scope of Work by Task

Please break down the proposal 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)	Prior to implementation, the project biologist shall conduct a field assessment within the project area to confirm areas best suited for restoration and/or enhancement. Areas best suited for restoration include open areas with lower shrub cover located within friable clay soil.	The results of the pre-implementation monitoring will be used in the restoration site selection process to restore as much San Diego thornmint habitat as possible with the available funding.
2	Vegetation Monitoring (Pre-implementation Monitoring)	Prior to initiating vegetation weeding/thinning activities, vegetation cover will be estimated using the rapid assessment method.	The results of the pre-implementation survey will provide a baseline condition to compare to the site conditions at the end of the three-year restoration program.
3	Photo Monitoring (Pre-implementation Monitoring)	Prior to implementing maintenance activities, permanent photo points will be established at each restoration and enhancement area 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.
4	Site Preparation	Based on the results of the pre-implementation monitoring, dethatching shall occur in areas dominated by non-native plant species where appropriate. Dethatched plant material will be raked up and composted on site.	Dethatching of non-natives will reduce competition for resources with San Diego thornmint.
5	Follow-up Maintenance	Newly germinated weeds will be controlled using glyphosate or removed by hand prior to seed set.	Follow-up weed control will reduce non-native plant cover and competition with San Diego thornmint for water and light.
6	Seed Collection and Redistribution	Native grass and forb seed shall be collected from the adjacent Preserve areas and redistributed within the restoration areas.	Seed redistribution will increase native plant cover that support pollinators for San Diego thornmint.
7	Focused San Diego Thornmint Survey	Focused surveys for San Diego thornmint will be performed annually to assess the distribution thornmint within the restoration and enhancement areas.	Focused surveys for San Diego thornmint will detect changes in thornmint distribution within the restoration and enhancement areas.
8	Vegetation Monitoring	Vegetation cover will be estimated using the rapid assessment method.	Vegetation monitoring will be conducted annually to assess changes in the native and non-native cover during the three-year project
9	Photo Monitoring	Photos will be taken annually from the established photo points to provide a visual record of changes in the density and distribution of both native and non-native plants.	Photo monitoring will be used to compare site conditions throughout the three-year duration of the restoration program.

10	Quarterly Reports	Quarterly progress reports will be prepared and submitted to SANDAG to document enhancement activities.	Each year, three quarterly progress reports will be submitted that provide a status update for each task performed. 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.
11	Annual Reports	Annual reports will summarize enhancement efforts and monitoring results (Annual Report will also serve as the fourth quarterly progress report). The report will include management recommendations for the following season.	An annual report will be prepared that summarizes the results of the maintenance and monitoring tasks performed each year. The annual report will include representative photos of the work performed. Monitoring and management data will be submitted to the SC-MTX website portal.
12	Final Report (Year 3)	The final report (Year 3) will discuss monitoring results and will include a discussion of future management needs for San Diego thornmint in the restoration and enhancement areas as well as the surrounding Preserve. The Final Report will also serve as the fourth quarterly progress report and annual report for year 3 of the project.	The final report (Year 3) will discuss maintenance and monitoring results. The final report will also include a discussion of future management needs for San Diego thornmint in the restoration and enhancement areas as well as the surrounding Preserve. Monitoring and management data will be submitted to the SC-MTX website portal.
13	Misc. Consultant Expenses	This task will include miscellaneous consultant expenses associated with herbicide, a truck mounted skid sprayer rental for applying herbicide, GPS rental, and printing. The herbicide and equipment required for weed treatment as described in Task 6. GPS and printing as described in Tasks 1-13.	This task budget will allow for the herbicide and equipment for controlling non-natives. The GPS equipment will be used for mapping restoration areas and sensitive species locations used in the annual reports.
"n"	City of Chula Vista Administrative	City of Chula Vista Administration tasks will include a variety of coordination and administration tasks to be completed by the City throughout the duration of the project.	Matching funds will be used to: Update the City's MSCP web page; Participate in local community group meetings; Hold three public outreach events at a Rice Canyon trailhead/staging area; Oversee the biological contractor; Review and submit quarterly reports; Contract administration/invoice review.

C. 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 proposal 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	Year 5 Grant Request	Year 5 Matching Funds ¹	Total Grant Request	Total Matching Funds	Total Project Cost
1	Field Assessment (Pre-implementation Monitoring)	\$2,096	\$0	\$0	\$0	\$0	\$0					\$2,096	\$0	\$2,096
2	Vegetation Monitoring (Pre-implementation Monitoring)	\$1,720	\$0	\$0	\$0	\$0	\$0					\$1,720	\$0	\$1,720
3	Photo Monitoring (Pre-implementation Monitoring)	\$2,057	\$0	\$0	\$0	\$0	\$0					\$2,057	\$0	\$2,057
4	Site Preparation	\$7,364	\$0	\$0	\$0	\$0	\$0					\$7,364	\$0	\$7,364
5	Follow-up Maintenance	\$24,720	\$0	\$25,462	\$0	\$26,225	\$0					\$76,407	\$0	\$76,407
6	Seed Collection and Redistribution	\$1,444	\$0	\$1,487	\$0	\$1,149	\$0					\$4,080	\$0	\$4,080
7	Focused San Diego Thornmint Survey	\$2,895	\$0	\$2,982	\$0	\$3,071	\$0					\$8,948	\$0	\$8,948
8	Vegetation Monitoring	\$1,720	\$0	\$1,771	\$0	\$1,825	\$0					\$5,316	\$0	\$5,316
9	Photo Monitoring	\$2,057	\$0	\$2,119	\$0	\$2,182	\$0					\$6,358	\$0	\$6,358
10	Quarterly Reports	\$1,895	\$0	\$1,952	\$0	\$2,010	\$0					\$5,857	\$0	\$5,857
11	Annual Reports	\$6,415	\$0	\$5,344	\$0	\$0	\$0					\$11,759	\$0	\$11,759
12	Final Report (Year 3)	\$0	\$0	\$0	\$0	\$5,504	\$0					\$5,504	\$0	\$5,504
13	Misc. Consultant Expenses	\$795	\$0	\$795	\$0	\$600	\$0					\$2,190	\$0	\$2,190
"n"	City of Chula Vista Administrative	\$0	\$2,500	\$0	\$1,750	\$0	\$1,750					\$0	\$6,000	\$6,000
	Sub Total	\$55,178	\$2,500	\$41,912	\$1,750	\$42,566	\$1,750					\$139,656	\$6,000	\$145,656
	Indirect Cost (__%)	\$0	\$0	\$0	\$0	\$0	\$0					\$0	\$0	\$0
	TOTAL	\$55,178	\$2,500	\$41,912	\$1,750	\$42,566	\$1,750					\$139,656	\$6,000	\$145,656
	PERCENTAGE	38%	n/a	29%	n/a	30%	n/a					97%	n/a	100%

¹ Throughout 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 percent (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 percent 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.

D. Project Schedule

Please include start and end dates relative to the anticipated Notice to Proceed (assumes Fall 2018) 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 2018 Notice to Proceed [NTP])

Task No.	Task Name	Proposed Start Date	Months Needed to Complete Task	Task End Date
1	Field Assessment (Pre-implementation Monitoring)	09/01/2018	3 Months	12/1/2018
2	Vegetation Monitoring (Pre-implementation Monitoring)	09/01/2018	3 Months	12/1/2018
3	Photo Monitoring (Pre-implementation Monitoring)	09/01/2018	3 Months	12/1/2018
4	Site Preparation	09/01/2018	3 Months	12/1/2018
5	Follow-up Maintenance	12/01/2018	32 Months	08/01/2021
6	Seed Collection and Redistribution	12/01/2018	32 Months	08/01/2021
7	Focused San Diego Thornmint Survey	12/01/2018	32 Months	08/01/2021
8	Vegetation Monitoring	12/01/2018	32 Months	08/01/2021
9	Photo Monitoring	12/01/2018	32 Months	08/01/2021
10	Quarterly Reports	01/01/2018	33 Months	10/21/2020
11	Annual Reports	08/1/2018	13 Months	08/30/2019
12	Final Report (Year 3)	08/1/2020	1 Month	08/30/2020
13	Misc. Consultant Expenses	09/01/2018	36 Months	08/30/2020
"n"	City of Chula Vista Administrative	09/01/2018	36 Months	08/30/2020

Please explain why and how much additional time would be needed in the event of any delays due to NTP being provided beyond Fall 2018 and/or unexpected weather conditions such as drought that could occur during the proposed project implementation.

Delays in the NTP may require adjustments to the project schedule but are not anticipated to require additional time. Unexpected weather conditions such as drought may affect the availability of seed in any given year, but are not anticipated to require additional time to implement the proposed project.

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

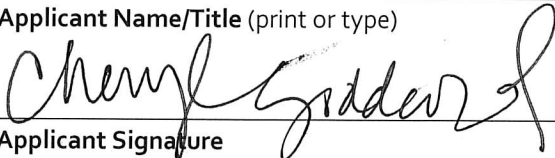
REQUIRED STATEMENTS FROM APPLICANT

- 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
- 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.

Cheryl Goddard, Senior Planner

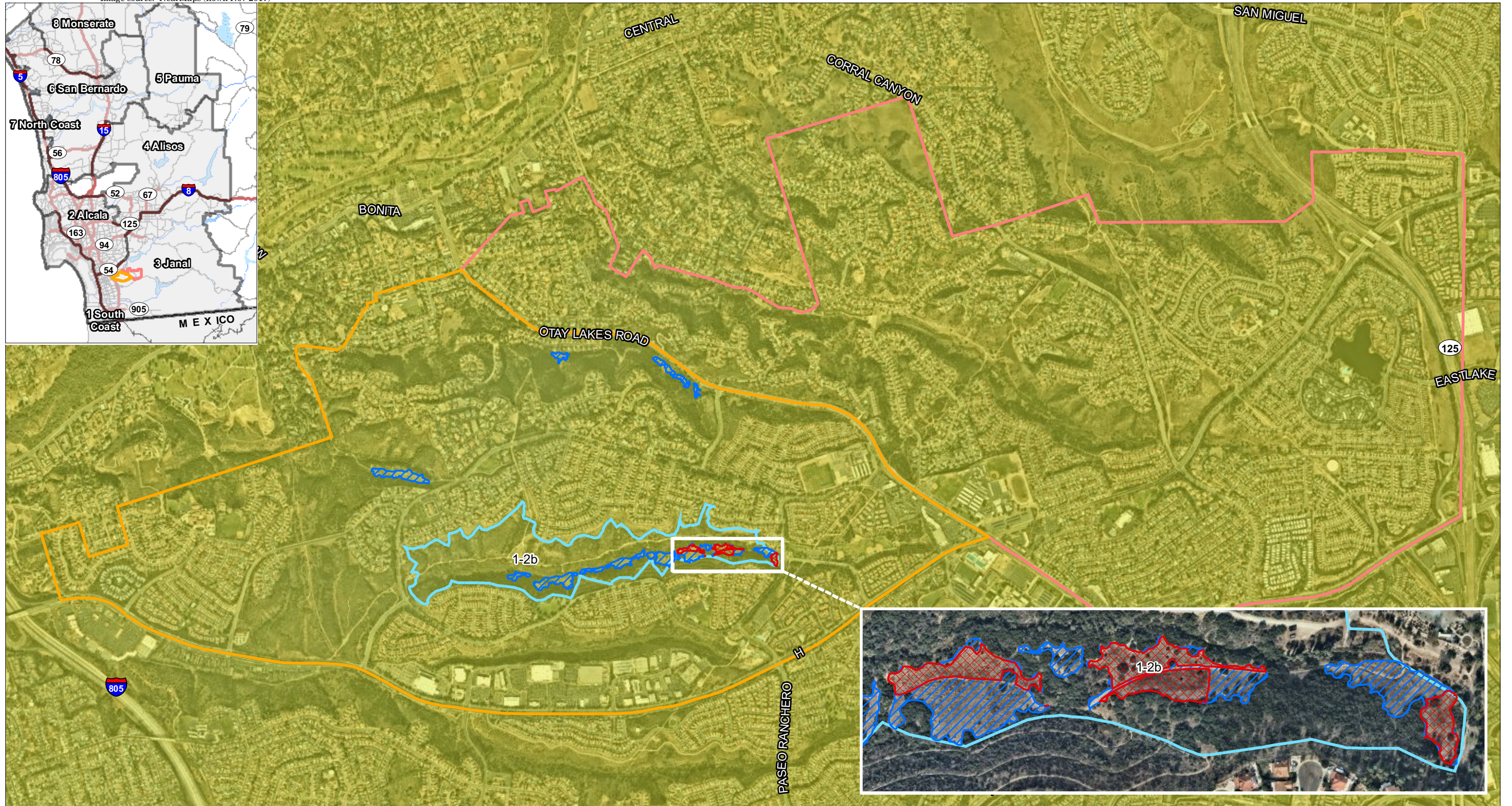
Applicant Name/Title (print or type)



01/11/18

Applicant Signature

Date



- PMA 1
- PMA 4
- PMA Subunit 1-2b
- Management Strategic Plan – Management Unit 3
- Eight Cycle TransNet EMP Grant**
- Potential Restoration and Enhancement Areas: Previously Funded by TransNet (City of Chula Vista EMP Grant 5001590; ended fall 2014)**
- Previous Efforts Funded by TransNet (Not Part of This Proposal)**
- Otay Tarplant and San Diego Thornmint Habitat Restoration Area (City of Chula Vista EMP Grant 5001590; ended fall 2014)**



FIGURE 1

Potential San Diego Thornmint Restoration Areas, Central City Preserve