

Exhibit A
San Luis Obispo Creek Watershed *Arundo* Management Program
Scope of Work

Under direction of the Grantor, and under the following conditions and terms, the Grantee will:

1. Improve steelhead habitat and passage by removing *Arundo* along 1.56 miles of lower San Luis Obispo Creek. The objective is to continue removal of this pest species in the watershed to restore natural form and function to the riparian corridor and creek.
2. Conduct work on San Luis Obispo Creek in the City of San Luis Obispo from Los Osos Valley Road south 1.56 miles, to just past the South Higuera Street. The project is located in Township 31S, Range 12E, Section 16 of the Rancho De Santa Fe Land Grant U.S.G.S. 7.5 Minute Quadrangle, as depicted in Exhibit C, Project Location Map, which is attached and made part of this agreement by this reference.
3. Improve habitat for steelhead in San Luis Obispo Creek by completing the following work:
 - a. Obtain Landowner Access Agreement for work on all property where work will occur.
 - b. Submit Landowner Access Agreements and a final schedule of work to the Grant Manager for DFG review and approval at least two weeks prior to beginning work.
 - c. Notify landowners of treatment dates to provide adequate notice that work will be conducted on their property.
 - d. Map removal area and take 'before' photos for submission with final report.
 - e. Remove biomass of clumps of *Arundo* that have a diameter of one (1) foot or greater, and/or clumps with a height of over six (6) feet. Removal will consist of a single cut at approximately one (1) foot above the base of the cane. Allow the cut plants to grow to three (3) feet for treatment. Dispose of cut *Arundo* at an appropriate waste facility.
 - f. Conduct herbicide applications April through November of 2008 and 2009 at least 24 hours before rain is forecast. Herbicide application will be conducted by a licensed herbicide applicator, who will follow all label instructions for the herbicide and reporting requirements to the San Luis Obispo County Department of Agriculture. The herbicide used will be fusillade primarily in the form of Rodeo® (or Aquamaster®) which is approved for use in wetlands. Care will be taken to avoid application or drift onto native vegetation. Standard treatment of a foliar spray application of 1.5% by volume fusillade with a 0.5% addition of non-ionic surfactant will be used. Dye will also be added to the herbicide mixture. Herbicide application will focus on all *Arundo* plants (established or cut with re-growth) in the project reach.
 - g. Data entry on treatment information will be done in a timely manner after

- treatment to maintain a current status of work.
- h. Upon completion of seasonal removal and herbicide application, site will be monitored, and data on treatment effectiveness will be taken. Enter monitoring data on a continuous basis to track treatment effectiveness and to determine when sites should be surveyed and re-treated.
 - i. Prior to the completion of the grant, take 'after' photos for submission with the final report.
4. All habitat improvements will follow techniques described in the Third Edition, January 1998, of the *California Salmonid Stream Habitat Restoration Manual*, Flosi et al and the *California Salmonid Stream Restoration Manual*, Third Edition, Volume II, Part XI, January 2004.
 5. Submit a progress report to the contract Manager at least once every three months. In addition, if work has been completed under the contract during the three month reporting period, submit an invoice, and a record of in-kind services provided during the invoice billing period. The invoice submission shall include a separate record of specific expenditures in the format of Exhibit B.
 6. Upon completion of the project, the Grantee shall return all reusable equipment purchased under this grant.
 7. Upon completion of the project, the Grantee shall submit one (1) copy of a draft final report no later than January 31, 2010 for review and comment. Within 30 days of receipt of the draft report, the Project Manager shall submit his final comments to the Grantee. Upon completion of the project, the Grantee shall submit two (2) hard copies of a final written report and one (1) electronic, *Microsoft Word* compatible, copy on 3.5 inch floppy disk(s) or CD. The report shall not be considered final until approved and accepted by the grant manager. The report shall include, but not necessarily be limited to the following information:
 - Grant number;
 - Project name;
 - Geographic area (e.g., watershed name);
 - Location of work – show project location using U.S.G.S. 7.5 minute topographical map or appropriately scaled topographical map;
 - Geospatial reference/location (lat/long is preferred – defined as point, line, or polygon);
 - Project start and end dates;
 - Total of each fund source, by line item, expended to complete the project, breaking down Grant dollars, by line item, and any other funding, including type of match (cash or in-kind service);
 - Expected benefits to anadromous salmonids from the project;
 - Labeled before and after photographs of any restoration activities and techniques;

- Specific project access using public and private roads and trails, with landowner name and address;
- Complete as built project description; and
- Report measurable metrics for the project by responding to the restoration project metrics listed below.

Habitat Protection and Restoration Projects– Reporting Metrics

Habitat Projects (All)

- Identify the watershed/sub-basin plan or assessment in which the project is identified as a priority;
- Name the priority habitat limiting factors identified in that plan that are addressed by the project;
- Type of monitoring included in the project:
 - ✓ Design spec achieved
 - ✓ Fish movement/abundance
- Number of stream miles treated/affected by the project within the project boundaries.

Riparian Habitat Projects (HR, HS)

- Number of miles treated (e.g., fenced) according to plan
- Number of acres treated (e.g., planted) according to plan
- Number of acres and type of invasive species controlled
- Species and size of trees planted
- Number of trees/density of plantings
- Feet of stream bank stabilized and treatments used.

8. The Grantee will acknowledge the participation of the Department of Fish and Game, Fishery Restoration Grant Program funds on any signs, flyers, or other types of written communication or notice to advertise or explain the San Luis Obispo Creek Watershed *Arundo* Management Program.

California Department of Fish and Game

Natural Diversity Database

Selected Elements by Common Name - Portrait

Possible species within the Pismo Beach and surrounding quads for the San Luis Obispo Creek Watershed Arundo Management Program.

Common Name/Scientific Name	Element Code	Federal Status	State Status	GRank	SRank	CDFG or CNPS
1 American badger <i>Taxidea taxus</i>	AMAJF04010			G5	S4	SC
2 Arroyo de la Cruz manzanita <i>Arctostaphylos cruzensis</i>	PDERI040B0			G2	S2.2	1B.2
3 Atascadero June beetle <i>Polyphylla nubila</i>	IICOL68040			G1	S1	
4 Betty's dudleya <i>Dudleya abramsii ssp. bettinae</i>	PDCRA04011			G3T1	S1.2	1B.2
5 Blochman's dudleya <i>Dudleya blochmaniae ssp. blochmaniae</i>	PDCRA04051			G2T2	S2.1	1B.1
6 Blochman's leafy daisy <i>Erigeron blochmaniae</i>	PDAST3M5J0			G2	S2.2	1B.2
7 Brewer's spineflower <i>Chorizanthe breweri</i>	PDPGN04050			G2	S2.2	1B.3
8 California black rail <i>Laterallus jamaicensis coturniculus</i>	ABNME03041		Threatened	G4T1	S1	
9 California clapper rail <i>Rallus longirostris obsoletus</i>	ABNME05016	Endangered	Endangered	G5T1	S1	
10 California horned lark <i>Eremophila alpestris actia</i>	ABPAT02011			G5T3Q	S3	
11 California least tern <i>Sternula antillarum browni</i>	ABNNM08103	Endangered	Endangered	G4T2T3Q	S2S3	
12 California linderiella <i>Linderiella occidentalis</i>	ICBRA06010			G3	S2S3	
13 California red-legged frog <i>Rana aurora draytonii</i>	AAABH01022	Threatened		G4T2T3	S2S3	SC
14 California saw-grass <i>Cladium californicum</i>	PMCYP04010			G4	S2.2	2.2
15 California seablite <i>Suaeda californica</i>	PDCHE0P020	Endangered		G1	S1.1	1B.1
16 California tiger salamander <i>Ambystoma californiense</i>	AAAAA01180	Threatened		G2G3	S2S3	SC
17 Cambria morning-glory <i>Calystegia subacaulis ssp. episcopalis</i>	PDCON040J1			G3T1	S1.2	1B.2
18 Central Dune Scrub	CTT21320CA			G2	S2.2	
19 Central Foredunes	CTT21220CA			G1	S1.2	
20 Central Maritime Chaparral	CTT37C20CA			G2	S2.2	
21 Coast Range newt <i>Taricha torosa torosa</i>	AAAAF02032			G5T4	S4	SC
22 Coastal Brackish Marsh	CTT52200CA			G2	S2.1	
23 Coastal and Valley Freshwater Marsh	CTT52410CA			G3	S2.1	
24 Congdon's tarplant <i>Centromadia parryi ssp. congdonii</i>	PDAST4R0P1			G4T3	S3.2	1B.2
25 Cooper's hawk <i>Accipiter cooperii</i>	ABNKC12040			G5	S3	

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26 Coulter's goldfields <i>Lasthenia glabrata ssp. coulteri</i>	PDAST5L0A1			G4T3	S2.1	1B.1
27 Cuesta Pass checkerbloom <i>Sidalcea hickmanii ssp. anomala</i>	PDMAL110A1		Rare	G3T1	S1.2	1B.2
28 Diablo Canyon blue grass <i>Poa diabolii</i>	PMPOA4Z390			G1	S1.2	1B.2
29 Gambel's water cress <i>Nasturtium gambelii</i>	PDBRA270V0	Endangered	Threatened	G1	S1.1	1B.1
30 Hoover's bent grass <i>Agrostis hooveri</i>	PMPOA040M0			G2	S2.2	1B.2
31 Hoover's button-celery <i>Eryngium aristulatum var. hooveri</i>	PDAPI0Z043			G5T2	S2.1	1B.1
32 Indian Knob mountainbalm <i>Eriodictyon altissimum</i>	PDHYD04010	Endangered	Endangered	G2Q	S2.2	1B.1
33 Jones' layia <i>Layia jonesii</i>	PDAST5N090			G1	S1.1	1B.2
34 Kellogg's horkelia <i>Horkelia cuneata ssp. sericea</i>	PDROS0W043			G4T1	S1.1	1B.1
35 La Graciosa thistle <i>Cirsium loncholepis</i>	PDAST2E1N0	Endangered	Threatened	G2	S2.2	1B.1
36 La Panza mariposa-lily <i>Calochortus obispoensis</i>	PMLIL0D110			G2	S2.1	1B.2
37 Miles' milk-vetch <i>Astragalus didymocarpus var. milesianus</i>	PDFAB0F2X3			G5T2	S2.2	1B.2
38 Morro Bay blue butterfly <i>Plebejus icarioides morroensis</i>	IILEPG801B			G5T1T3	S1S3	
39 Morro Bay kangaroo rat <i>Dipodomys heermanni morroensis</i>	AMAFD03063	Endangered	Endangered	G3G4T1	S1	
40 Morro manzanita <i>Arctostaphylos morroensis</i>	PDERI040S0	Threatened		G2	S2.2	1B.1
41 Morro shoulderband (=banded dune) snail <i>Helminthoglypta walkeriana</i>	IMGASC2510	Endangered		G1	S1	
42 Nipomo Mesa lupine <i>Lupinus nipomensis</i>	PDFAB2B550	Endangered	Endangered	G1	S1.1	1B.1
43 Northern Coastal Salt Marsh	CTT52110CA			G3	S3.2	
44 Northern Interior Cypress Forest	CTT83220CA			G2	S2.2	
45 Oso Flaco flightless moth <i>Areniscythis brachypteris</i>	IILEG49010			G1	S1	
46 Oso Flaco patch butterfly <i>Chlosyne leanira elegans</i>	IILEPJA051			G4G5T1T2	S1S2	
47 Oso Flaco robber fly <i>Ablautus schlingeri</i>	IIDIP42010			G1	S1	
48 Oso manzanita <i>Arctostaphylos osoensis</i>	PDERI042S0			G1	S1.2	1B.2
49 Palmer's monardella <i>Monardella palmeri</i>	PDLAM180H0			G2	S2.2	1B.2

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50 Pecho manzanita <i>Arctostaphylos pechoensis</i>	PDERI04140			G2	S2.2	1B.2
51 Pismo clarkia <i>Clarkia speciosa ssp. immaculata</i>	PDONA05111	Endangered	Rare	G4T1	S1.1	1B.1
52 Rude's longhorn beetle <i>Necydalis rudei</i>	IICOL4P010			G1G3	S1S2	
53 San Benito fritillary <i>Fritillaria viridea</i>	PMLILOV0L0			G3	S3.2	1B.2
54 San Bernardino aster <i>Symphyotrichum defoliatum</i>	PDASTE80C0			G3	S3.2	1B.2
55 San Diego desert woodrat <i>Neotoma lepida intermedia</i>	AMAFF08041			G5T3?	S3?	SC
56 San Joaquin spearscale <i>Atriplex joaquiniana</i>	PDCHE041F3			G2	S2.1	1B.2
57 San Luis Obispo County lupine <i>Lupinus ludovicianus</i>	PDFAB2B2G0			G2	S2.2	1B.2
58 San Luis Obispo fountain thistle <i>Cirsium fontinale var. obispoense</i>	PDAST2E162	Endangered	Endangered	G2T1	S1.2	1B.2
59 San Luis Obispo mariposa-lily <i>Calochortus simulans</i>	PMLILOD170			G2	S2.3	1B.3
60 San Luis Obispo monardella <i>Monardella frutescens</i>	PDLAM180X0			G2	S2.2	1B.2
61 San Luis Obispo owl's-clover <i>Castilleja densiflora ssp. obispoensis</i>	PDSCR0D453			G5T2	S2.2	1B.2
62 San Luis Obispo pyrg <i>Pyrgulopsis taylori</i>	IMGASJ0A50			G1	S1	
63 San Luis Obispo sedge <i>Carex obispoensis</i>	PMCYP039J0			G2	S2.2	1B.2
64 Santa Lucia manzanita <i>Arctostaphylos luciana</i>	PDERI040N0			G2	S2.2	1B.2
65 Santa Margarita manzanita <i>Arctostaphylos pilosula</i>	PDERI04160			G2	S2.2	1B.2
66 Serpentine Bunchgrass	CTT42130CA			G2	S2.2	
67 Surf thistle <i>Cirsium rhotophilum</i>	PDAST2E2J0		Threatened	G2	S2.2	1B.2
68 Townsend's big-eared bat <i>Corynorhinus townsendii</i>	AMACC08010			G4	S2S3	SC
69 Valley Needlegrass Grassland	CTT42110CA			G1	S3.1	
70 Wells' manzanita <i>Arctostaphylos wellsii</i>	PDERI042B0			G2	S2.1?	1B.1
71 adobe sanicle <i>Sanicula maritima</i>	PDAP11Z0D0		Rare	G2	S2.2	1B.1
72 beach spectaclepod <i>Dithyrea maritima</i>	PDBRA10020		Threatened	G2	S2.1	1B.1
73 big free-tailed bat <i>Nyctinomops macrotis</i>	AMACD04020			G5	S2	SC

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74 black legless lizard <i>Anniella pulchra nigra</i>	ARACC01011			G3G4T2T3 Q	S2	SC
75 black-flowered figwort <i>Scrophularia atrata</i>	PDSCR1S010			G2	S2.2	1B.2
76 burrowing owl <i>Athene cunicularia</i>	ABNSB10010			G4	S2	SC
77 caper-fruited tropidocarpum <i>Tropidocarpum capparideum</i>	PDBRA2R010			G1	S1.1	1B.1
78 chaparral ragwort <i>Senecio aphanactis</i>	PDAST8H060			G3?	S1.2	2.2
79 coast (California) horned lizard <i>Phrynosoma coronatum (frontale population)</i>	ARACF12022			G4G5	S3S4	SC
80 crisp monardella <i>Monardella crispera</i>	PDLAM18070			G2	S2.2	1B.2
81 dacite manzanita <i>Arctostaphylos tomentosa ssp. daciticola</i>	PDERI041HD			G4T1	S1.1	1B.1
82 dune larkspur <i>Delphinium parryi ssp. blochmaniae</i>	PDRAN0B1B1			G4T2	S2.2	1B.2
83 dwarf soaproot <i>Chlorogalum pomeridianum var. minus</i>	PMLIL0G042			G5T1	S1.2	1B.2
84 ferruginous hawk <i>Buteo regalis</i>	ABNKC19120			G4	S3S4	
85 globose dune beetle <i>Coelus globosus</i>	IICOL4A010			G1	S1	
86 leafy tarplant <i>Deinandra increscens ssp. foliosa</i>	PDAST4R0U4			G4G5T2	S2.2	1B.2
87 marsh sandwort <i>Arenaria paludicola</i>	PDCAR040L0	Endangered	Endangered	G1	S1.1	1B.1
88 mesa horkelia <i>Horkelia cuneata ssp. puberula</i>	PDROS0W045			G4T2	S2.1	1B.1
89 mimic tryonia (=California brackishwater snail) <i>Tryonia imitator</i>	IMGASJ7040			G2G3	S2S3	
90 monarch butterfly <i>Danaus plexippus</i>	IILEPP2010			G5	S3	
91 most beautiful jewel-flower <i>Streptanthus albidus ssp. peramoenus</i>	PDBRA2G012			G2T2	S2.2	1B.2
92 mouse-gray dudleya <i>Dudleya abramsii ssp. murina</i>	PDCRA04012			G3T2	S2.3	1B.3
93 pallid bat <i>Antrozous pallidus</i>	AMACC10010			G5	S3	SC
94 prairie falcon <i>Falco mexicanus</i>	ABNKD06090			G5	S3	
95 purple martin <i>Progne subis</i>	ABPAU01010			G5	S3	SC
96 saline clover <i>Trifolium depauperatum var. hydrophilum</i>	PDFAB400R5			G5T2?	S2.2?	1B.2

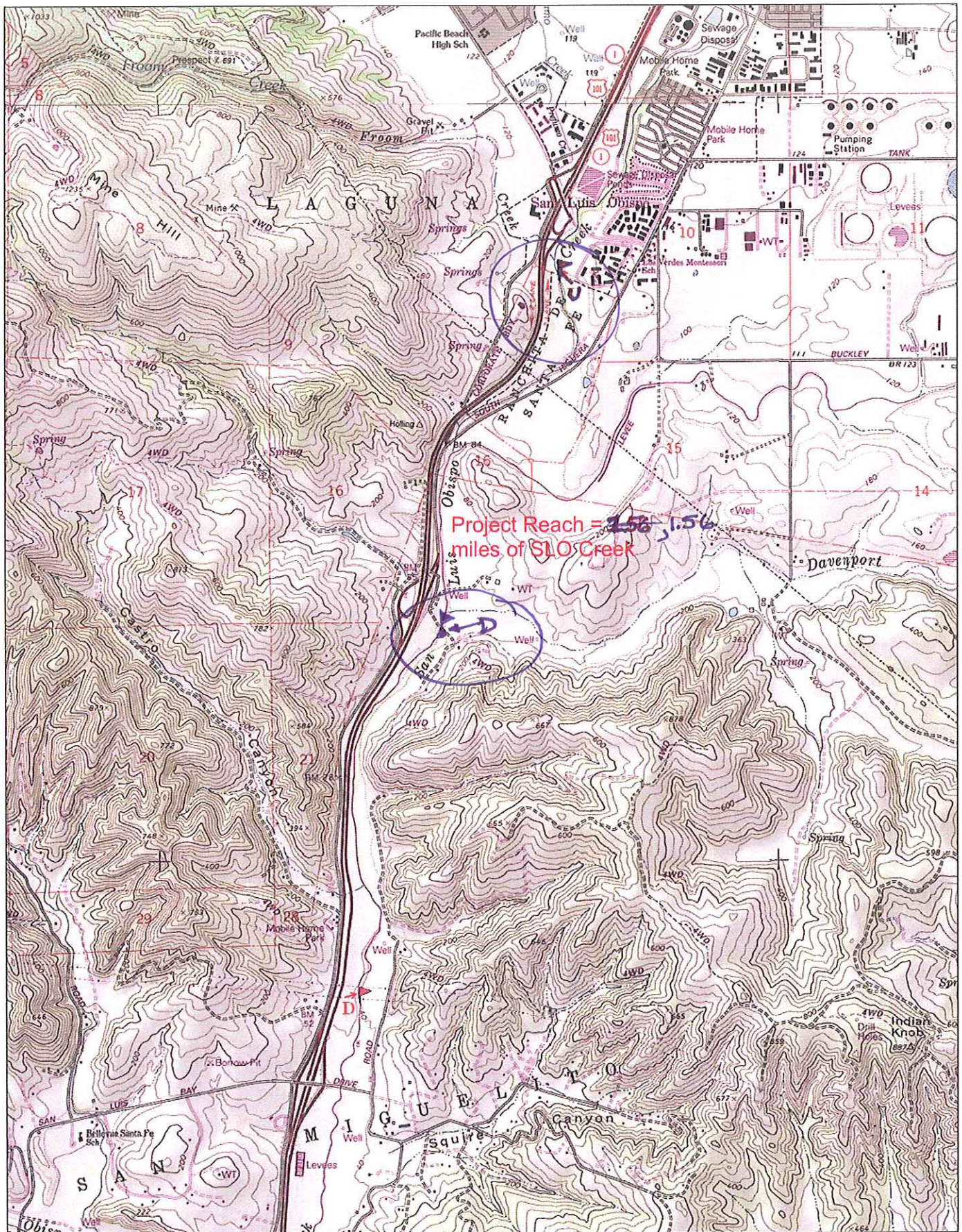
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97 salt marsh bird's-beak <i>Cordylanthus maritimus ssp. maritimus</i>	PDSCR0J0C2	Endangered	Endangered	G4?T2	S2.1	1B.2
98 sand mesa manzanita <i>Arctostaphylos rudis</i>	PDERI041E0			G2	S2.2	1B.2
99 sandy beach tiger beetle <i>Cicindela hirticollis gravida</i>	IICOL02101			G5T2	S1	
100 sharp-shinned hawk <i>Accipiter striatus</i>	ABNKC12020			G5	S3	
101 silvery legless lizard <i>Anniella pulchra pulchra</i>	ARACC01012			G3G4T3T4 Q	S3	SC
102 southwestern pond turtle <i>Actinemys marmorata pallida</i>	ARAAD02032			G3G4T2T3 Q	S2	SC
103 splitting yarn lichen <i>Sulcaria isidiifera</i>	NLTEST0020			G1	S1.1	
104 steelhead - south/central California coast ESU <i>Oncorhynchus mykiss irideus</i>	AFCHA0209H	Threatened		G5T2Q	S2	SC
105 straight-awned spineflower <i>Chorizanthe rectispina</i>	PDPGN040N0			G1	S1.2	1B.3
106 tidewater goby <i>Eucyclogobius newberryi</i>	AFCQN04010	Endangered		G3	S2S3	SC
107 tricolored blackbird <i>Agelaius tricolor</i>	ABPBXB0020			G2G3	S2	SC
108 vernal pool fairy shrimp <i>Branchinecta lynchi</i>	ICBRA03030	Threatened		G3	S2S3	
109 western mastiff bat <i>Eumops perotis californicus</i>	AMACD02011			G5T4	S3?	SC
110 western snowy plover <i>Charadrius alexandrinus nivosus</i>	ABNNB03031	Threatened		G4T3	S2	SC
111 western yellow-billed cuckoo <i>Coccyzus americanus occidentalis</i>	ABNRB02022	Candidate	Endangered	G5T3Q	S1	
112 white sand bear scarab beetle <i>Lichnanthe albipilosa</i>	IICOL67010			G1	S1	
113 white-tailed kite <i>Elanus leucurus</i>	ABNKC06010			G5	S3	



Project Reach = 1.56, 1.50 miles of SLO Creek

TN* / MN
14°

0 1000 FEET 0 500 1000 METERS
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San Luis Obispo Creek
Watershed Arundo Management
Program

Applicant: The Land Conservancy