



THE CITY OF SAN DIEGO

February 15, 2006

Ms. Therese O'Rourke
U.S. Fish and Wildlife Service
Carlsbad Field Office
6010 Hidden Valley Road
Carlsbad, CA 92009

Mr. Michael Mulligan
California Department of Fish and Game
4949 Viewridge Avenue
San Diego, CA 92123

Dear Ms. O'Rourke and Mr. Mulligan:

Subject: Final 2005 MSCP Annual Report

Enclosed is the City of San Diego's Final 2005 Multiple Species Conservation Program (MSCP) Annual Report. In developing this report, the City of San Diego has utilized Habitrak, the GIS extension developed by SANDAG for tracking loss and gain of habitat. Each project that was issued a grading permit within the year 2005 was evaluated for impacts to environmentally sensitive lands, and all impacts were entered as loss projects for the 2005 calendar year. The updated digital data for habitat loss and gain within the City of San Diego through 2005 is attached.

The regional and project specific maps that are generated by Habitrak are currently of little use and costly to print. The digital data supplied to your offices may be used to generate maps through Habitrak, if desired.

As the enclosed Summary of Habitat Losses and Gains table shows, to date the City has conserved a total of 32,919.4 acres inside the Multi-Habitat Planning Area (MHPA). This represents 63.3 percent of the City's conservation target in the MSCP Subarea Plan. In 2005, a total of 23.9 acres were lost inside the MHPA and 221.3 acres were conserved.

The documents submitted in this report were generated by Habitrak and are generally consistent with our own records; however, some inconsistencies occur. We would like to note some inconsistencies that keep arising due to the use of Habitrak compared to our GIS files. We hope that the upcoming migration to a web-based Habitrak application will alleviate this issue in future years.



Planning Department

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Dear Ms. O'Rourke and Mr. Mulligan

February 15, 2006

I look forward to your comments on the enclosed information, and hope to have an opportunity to discuss the results and future needs of the City and the wildlife agencies as they pertain to Habitak and the annual report requirements. Your timely review of the annual report is appreciated.

Please give me a call at (619) 236-7258 if you have any questions.

Sincerely,



Keith A. Greer
Deputy Planning Director

KAG/bm/ah

Enclosure: Enclosure: CD of 2005 Annual Report

cc: Sue Carnavale, SANDAG
David Zoutendyk, USFWS
David Mayer, CDFG

Summary of Project Losses

2005

Start Date: 1/1/2005

End Date: 12/31/2005

Duration in days: 365

Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc. #	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Acres
14953	A-1 Self Storage (see also LDR 98-0045)	Mission Valley	Castor Properties	443-040-28 443-040-29	6/14/05	Loss	0.00	Commercial	1.14	0.00	1.14
PTS 4085	CalMex Truck Park	Otay Mesa	Juan R Guillen	646-110-27	3/3/05	Loss	0.00	Commercial	13.27	0.00	13.27
3870	Camino Ruiz Building	Torrey Highlands	Church of Jesus Christ of Latter-day Saints	000-000-00	9/29/05	Loss	0.00	Institutional	6.26	0.00	6.26
PTS 4090	Chinese Community Church	Tierrasanta	Richard Yen and Associates	000-000-00	5/23/05	Loss	0.00	Other	1.83	0.46	2.29
31925	Creekside Trails	Otay Mesa-Nestor	Affirmed Housing Group	634-010-30	3/10/05	Loss	0.00	Multi-Family Residential	1.78	0.00	1.78
4301	Fashion Walk (LDR 99-1356)	Linda Vista	Western Pacific Housing	000-000-00	10/25/05	Loss	0.00	Multi-Family Residential	2.56	0.00	2.56
PTS 5087	Jewish Academy Sports Fields	Carmel Valley	Community Camp and Retreat Center	000-00-000 000-000-00	6/24/05	Loss	0.00	Education	0.51	4.50	5.01
5281/3200	Kooklani Residence	La Jolla	Mahoud and Meyryar Kooklani	000-000-00	7/7/05	Loss	0.00	Single-Family Residential	0.39	0.00	0.39
3127	Old El Camino Real (Seabreeze)	Carmel Valley	Seabreeze Properties	000-000-00	11/21/05	Loss	0.00	Single-Family Residential	1.84	0.00	1.84
2692	Pacific Highlands Ranch Units 17-22A		Pardee Homes	000-000-00	8/26/05	Loss	0.00	Single-Family Residential	148.58	18.90	167.47
6777	Skyline Hills Townhomes	Skyline/Paradise Hills	David Shepard -- KB Homes	000-000-00	8/26/05	Loss	0.00	Multi-Family Residential	5.21	0.00	5.21
11685	Sperry Residence	Rancho Bernardo	William and Nancy Sperry	272-482-03	9/2/05	Loss	0.00	Single-Family Residential	0.31	0.00	0.31
1397	Vertullo Residence	Carmel Valley	John Vertullo	000-000-00	3/8/05	Loss	0.00	Single-Family Residential	4.19	0.00	4.19
Total Acres Lost:									187.87	23.86	211.73

Summary of Project Gains

2005

Start Date: 1/1/2005

End Date: 12/31/2005

Duration in days: 365

Project Tracking #	Project Name	Location	Applicant	APN	Date Cons.	Status	Mgmt. Resp.	Conservation Type	Mit. Bank Credits	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Total Acres
14953	A-1 Self Storage (see also LDR 98-0045)	Mission Valley	Castor Properties		6/14/05	Gain	Private	Easement		0.00	0.43	0.43
3870	Camino Ruiz Building	HAF \$61,325	Church of Jesus Christ of Latter-day Saints		9/29/05	Gain	Local	In-lieu Fees		0.00	0.00	
PTS 4090A	Chinese Community Church	Tierrasanta	Richard Yen and Associates		5/23/05	Gain	Private	Covenant		0.27	1.43	1.69
PTS 4090B	Chinese Community Church	HAF \$22,264 (Small BLA payment)	Richard Yen and Associates		2/14/05	Gain	Local	In-lieu Fees		0.00	0.00	
31925 A	Creekside Trails	Otay Mesa-Nestor	Affirmed Housing Group		3/10/05	Gain	Private	Restoration/Re vegetation		1.07	0.00	1.07
31925 B	Creekside Trails	HAF \$59,500	Affirmed Housing Group		3/10/05	Gain	Local	In-lieu Fees		0.00	0.00	
05-0002	Deer Canyon Environmental Mitigation Preserve	Del Mar Mesa	N/A	306-050-20	9/21/05	Gain	Local	Mitigation Bank Master		0.00	57.92	57.92
05-0003	East Elliott Acquisition 1 2005	East Elliott	N/A	36606006	1/1/05	Gain	Local	Acquisition		0.00	13.87	13.87
05-0004	East Elliott Acquisition 2 2005	East Elliott	N/A	366-060-03	1/1/05	Gain	Local	Acquisition		0.00	32.13	32.13
05-0005	East Elliott Acquisition 3 2005	East Elliott	N/A	366-070-36	1/1/05	Gain	Local	Acquisition		0.00	14.47	14.47
05-0006	East Elliott Acquisition 4 2005	East Elliott	N/A	366-030-32	1/1/05	Gain	Local	Acquisition		0.00	18.81	18.81
4301	Fashion Walk (LDR 99-1356)	HAF \$39,600	Western Pacific Housing		10/25/05	Gain	Local	In-lieu Fees		0.00	0.00	

Project Tracking #	Project Name	Location	Applicant	APN	Date Cons.	Status	Mgmt. Resp.	Conservation Type	Mit. Bank Credits	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Total Acres
PTS 5087A	Jewish Academy Sports Fields	Carmel Valley	Community Camp and Retreat Center		6/24/05	Gain	Private	Easement		0.13	11.23	11.36
PTS 5087B	Jewish Academy Sports Fields	HAF \$42,500	Community Camp and Retreat Center		6/24/05	Gain	Local	In-lieu Fees		0.00	0.00	
2692	Pacific Highlands Ranch Units 17-22A		Pardee Homes		8/26/05	Gain	Local	Dedication		4.02	63.04	67.06
05-0011	Project Permitted by City of Encinitas	Loss occurred outside City of SD	Lux Art Institute		9/20/05	Gain	Local	Mitigation Bank Debit	1	0.00	0.00	0.00
05-0008	Project Permitted by County of SD	Del Mar Mesa (Loss outside City)	Lawrence (L-14309)		9/20/05	Gain	Local	Mitigation Bank Debit	0	0.00	0.00	0.00
05-0009	Project Permitted by County of SD	Del Mar Mesa (Loss outside City)	Barry O'Brien (TPM 20477)		9/20/05	Gain	Local	Mitigation Bank Debit	1	0.00	0.00	0.00
05-0010	Project Permitted by County of SD	Del Mar Mesa (Loss outside City)	Sher Lot Split (TPM 2068)		9/20/05	Gain	Local	Mitigation Bank Debit	1	0.00	0.00	0.00
6777	Skyline Hills Townhomes	HAF \$58,000	David Shepard -- KB Homes		7/13/05	Gain	Local	In-lieu Fees		0.00	0.00	
11685	Sperry Residence	HAF \$6,500	William and Nancy Sperry		6/13/05	Gain	Local	In-lieu Fees		0.00	0.00	
1397	Vertullo Residence	Carmel Valley	John Vertullo		3/8/05	Gain	Private	Easement		0.28	0.00	0.28
Total Acres Conserved/Mitigation Bank Credits:									3	5.76	213.32	219.08

Summary of Habitat Losses and Gains

2005

Begin Period: 1/1/2005

End Period: 12/31/2005

Duration in days: 365

Habitat Type	Target Cons	Inside the Habitat Preserve Planning Area					Outside the Habitat Preserve				Total				
		Habitat Loss		Habitat Gain		Cons. to Date %	Habitat Loss		Habitat Gain		Habitat Loss		Habitat Gain		
		Current Period	Cumulative	Current Period	Cumulative		Current Period	Cumulative	Current Period	Cumulative	Current Period	Cumulative	Current Period	Cumulative	
Beach	115	0.0	0.0	0.0	95.1	82.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.1
Saltpan	136	0.0	0.0	0.0	139.8	102.8	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	139.9
Southern Foredunes	9	0.0	0.0	0.0	9.9	110.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9
Southern Coastal Bluff Scrub	135	0.0	0.0	0.0	141.8	105.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	142.7
Coastal Sage Scrub	18,951	2.6	177.4	53.4	11,420.1	60.3	2.5	1,078.5	0.3	351.2	5.1	1,255.9	53.7	11,771.3	
Maritime Succulent Scrub	681	0.0	36.1	0.0	708.7	104.1	0.0	184.3	0.0	54.5	0.0	220.4	0.0	763.2	
Chaparral	10,424	0.0	118.3	93.4	7,178.3	68.9	0.1	1,042.3	0.0	435.7	0.1	1,160.6	93.4	7,614.0	
Southern Maritime Chaparral	1,102	1.8	40.7	56.3	946.9	85.9	1.8	94.5	1.1	30.4	3.6	135.2	57.5	977.3	
Coastal Sage-Chaparral Scrub	95	0.0	9.8	0.0	264.1	278.0	0.0	14.6	0.0	31.3	0.0	24.4	0.0	295.3	
Grassland	4,942	0.5	198.1	1.5	3,131.6	63.4	7.0	3,394.7	0.0	418.8	7.5	3,592.9	1.5	3,550.5	
Southern Coastal Salt Marsh	936	0.0	0.0	0.0	788.9	84.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	789.2	
Freshwater Marsh	232	0.0	1.5	0.0	75.8	32.7	0.0	3.2	0.0	0.6	0.0	4.7	0.0	76.3	
Riparian Forest	614	0.0	0.3	0.0	423.6	69.0	0.0	3.3	0.0	1.7	0.0	3.6	0.0	425.3	
Oak Riparian Forest	469	0.0	0.2	2.9	310.5	66.2	0.0	0.0	0.0	3.3	0.0	0.2	2.9	313.8	
Riparian Woodland	567	0.0	0.0	0.0	510.4	90.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	511.7	
Riparian Scrub	2,749	3.2	27.8	2.1	1,794.4	65.3	4.0	44.3	0.4	26.2	7.2	72.1	2.5	1,820.6	
Oak Woodland	329	0.0	1.3	0.0	175.0	53.2	0.3	1.0	0.0	3.4	0.3	2.3	0.0	178.4	
Torrey Pine Forest	144	0.0	0.0	0.0	144.5	100.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.5	
Eucalyptus Woodland	170	0.0	2.5	0.0	123.5	72.6	0.0	16.8	0.0	9.1	0.0	19.3	0.0	132.6	
Open Water	3,699	0.0	3.1	0.0	518.7	14.0	0.0	1.0	0.0	4.0	0.0	4.1	0.0	522.7	
Disturbed Wetland	583	0.0	0.0	0.0	134.5	23.1	0.0	2.5	0.0	0.0	0.0	2.5	0.0	134.5	

Natural Floodchannel	295	0.0	0.0	0.0	42.3	14.3	0.0	1.2	0.0	0.0	0.0	1.2	0.0	42.3
Shallow Bays	225	0.0	0.0	0.0	268.4	119.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	268.4
Pacific Ocean/Deep Bay		0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2
Disturbed Land	2,447	0.0	40.6	0.2	1,684.6	68.8	4.8	657.4	0.1	152.7	4.8	697.9	0.3	1,837.3
Agriculture	1,803	13.9	128.9	9.4	1,084.8	60.2	154.7	986.8	1.8	309.2	168.6	1,115.7	11.2	1,394.0
Urban/Developed		1.9	30.0	2.0	809.4	0.0	12.6	1,030.7	2.0	174.9	14.5	1,060.8	3.9	984.3
Grand Total:		23.9	816.5	221.3	32,931.6		187.9	8,557.3	5.8	2,009.6	211.7	9,373.8	227.0	34,941.1

NOTE: The Agriculture and Urban/Developed category is included to account for all land included within a project and habitat preserve planning area.

Habitat Conservation Accounting Model

2005

Begin Period: 1/1/2005

End Period: 12/31/2005

Duration in days: 365

Habitat Type	Total Subarea Habitat Preserve	Conservation Target	Estimated Take	Conservation Ratio	Cumulative Conservation Inside Habitat Preserve	Max. Allowable Impacts for the Current Period	Actual Loss Inside Habitat Preserve for Current Period	+ or - Max. Allowable Impacts
Beach	115	115	0	0.00	95.07	0.00	0.00	-
Saltpan	136	136	0	0.00	139.76	0.00	0.00	-
Southern Foredunes	10	9	1	9.00	9.92	1.09	0.00	-
Southern Coastal Bluff Scrub	144	135	9	15.00	141.79	9.41	0.00	-
Coastal Sage Scrub	21,185	18,951	2,234	8.48	11,420.12	1,435.01	2.58	-
Maritime Succulent Scrub	721	681	40	17.03	708.67	41.46	0.00	-
Chaparral	11,652	10,424	1,228	8.49	7,178.27	883.87	0.00	-
Southern Maritime Chaparral	1,231	1,102	129	8.54	946.89	112.66	1.77	-
Coastal Sage-Chaparral Scrub	118	95	23	4.13	264.07	59.84	0.00	-
Grassland	5,387	4,942	445	11.11	3,131.64	298.29	0.46	-
Southern Coastal Salt Marsh	936	936	0	0.00	788.92	0.00	0.00	-
Freshwater Marsh	232	232	0	0.00	75.77	0.00	0.00	-
Riparian Forest	614	614	0	0.00	423.56	0.00	0.00	-
Oak Riparian Forest	469	469	0	0.00	310.51	0.00	0.00	-
Riparian Woodland	567	567	0	0.00	510.38	0.00	0.00	-
Riparian Scrub	2,749	2,749	0	0.00	1,794.38	0.00	3.23	+
Oak Woodland	362	329	33	9.97	175.02	19.10	0.00	-
Torrey Pine Forest	153	144	9	16.00	144.50	9.03	0.00	-
Eucalyptus Woodland	189	170	19	8.95	123.50	14.32	0.00	-
Open Water	3,699	3,699	0	0.00	518.68	0.00	0.00	-
Disturbed Wetland	583	583	0	0.00	134.47	0.00	0.00	-

Summary of Mitigation Bank Debits

2005

Begin Period: 1/1/2005

End Period: 12/31/2005

Duration in days: 365

Mitigation Bank Name	Project Tracking #	Project Name	Applicant	Date Conserved	Project Status	Credits
Deer Canyon Environmental Mitigation Preserve						
	05-0008	Project Permitted by County of SD	Lawrence (L-14309)	9/20/05	Gain	0.10
	05-0009	Project Permitted by County of SD	Barry O'Brien (TPM 20477)	9/20/05	Gain	0.80
	05-0010	Project Permitted by County of SD	Sher Lot Split (TPM 2068)	9/20/05	Gain	0.73
	05-0011	Project Permitted by City of Encinitas	Lux Art Institute	9/20/05	Gain	1.11
Total Debits this Period:						2.74
Total Credits Available:						60.00
Remaining Credits:						57.26

Habitat Type	Total Subarea Habitat Preserve	Conservation Target	Estimated Take	Conservation Ratio	Cumulative Conservation Inside Habitat Preserve	Max. Allowable Impacts for the Current Period	Actual Loss Inside Habitat Preserve for Current Period	+ or - Max. Allowable Impacts
Natural Floodchannel	295	295	0	0.00	42.27	0.00	0.00	-
Shallow Bays	225	225	0	0.00	268.42	0.00	0.00	-
Pacific Ocean/Deep Bay	2	0	2	0.00	6.16	0.00	0.00	n/a
Disturbed Land	2,763	2,447	316	7.74	1,684.60	227.39	0.00	-
Agriculture	2,097	1,803	294	6.13	1,084.82	188.60	13.89	-
Urban/Developed	0	0	0	0.00	809.42	0.00	1.92	n/a
Grand Total:					32,931.58		23.86	

NOTE: The Agriculture and Urban/Developed category is included to account for all land included within a project and habitat preserve planning area.



City of San Diego Metropolitan Wastewater Department Canyon Program Habitat Impacts in 2005



Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
SOC	Scrub Oak Chaparral	upland	1	yes	0.01
DCSS	Diegan Coastal Sage Scrub	upland	2	yes	0.593
SMC	Southern Mixed Chaparral	upland	3a	yes	0.01
NNG	Non-Native Grassland	upland	3b	yes	0.05
DHAB	Disturbed Habitat	upland	4	no	0.07
DHAB	Disturbed Habitat	upland	4	yes	0.43
NNV	Non-Native Vegetation	upland	4	yes	0.02
ORN	Ornamental	upland	4	yes	0.01
RUD	Ruderal	upland	4	yes	0.01
RUD	Ruderal	upland	4	no	0.005
EW	Emergent Wetland	wetland	W	no	0.006
EW	Emergent Wetland	wetland	W	yes	0.001
FM	Freshwater Marsh	wetland	W	no	0.158
MFS	Mule Fat Scrub	wetland	W	yes	0.04
NVC	Non-Vegetated Channel, Floodway, Lakeshore Fringe	wetland	W	yes	0.24
NVC	Non-Vegetated Channel, Floodway, Lakeshore Fringe	wetland	W	no	0.004
RF	Riparian Forests	wetland	W	yes	0.004
RW	Riparian Woodlands	wetland	W	no	0.144
SWS	Southern Willow Scrub	wetland	W	yes	0.08
SWS	Southern Willow Scrub	wetland	W	no	0.117



City of San Diego Metropolitan Wastewater Department Canyon Program Habitat Impacts in 2005



Impact Totals For wetland (Tier W) Habitat Types

Tier	Position	Acre (sum)	MHPA
W	wetland	0.429	no
W	wetland	0.365	yes

Impact Totals For upland (Tier 4) Habitat Types

Tier	Position	Acre (sum)	MHPA
4	upland	0.075	no
4	upland	0.47	yes

Impact Totals For upland (Tier 3b) Habitat Types

Tier	Position	Acre (sum)	MHPA
3b	upland	0.05	yes

Impact Totals For upland (Tier 3a) Habitat Types

Tier	Position	Acre (sum)	MHPA
3a	upland	0.01	yes

Impact Totals For upland (Tier 2) Habitat Types

Tier	Position	Acre (sum)	MHPA
2	upland	0.593	yes

Impact Totals For upland (Tier 1) Habitat Types

Tier	Position	Acre (sum)	MHPA
1	upland	0.01	yes

Impact Totals For upland (Tier) Habitat Types

Tier	Position	Acre (sum)	MHPA
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*Note: This report does not include impacts to areas classified in the Biology Reports as "Urban/Developed". Those impacts are, however, disclosed on the accompanying report (categorized by habitat type).



City of San Diego Metropolitan Wastewater Department Canyon Program Habitat Impacts in 2005



Delevan & I-15 Emerg Repair (South Juniper Canyon)

ProjectType: Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DCSS	Diegan Coastal Sage Scrub	upland	2	yes	0.01
DHAB	Disturbed Habitat	upland	4	yes	0.1
NNV	Non-Native Vegetation	upland	4	yes	0.01
NVC	Non-Vegetated Channel, Floodway, Lakeshore Fringe	wetland	W	yes	0.03

Lopez Canyon Manhole 102 Maintenance

ProjectType: Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
NVC	Non-Vegetated Channel, Floodway, Lakeshore Fringe	wetland	W	yes	0.001

Lopez Emergency Cleaning

ProjectType: Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
SOC	Scrub Oak Chaparral	upland	1	yes	0.01
DCSS	Diegan Coastal Sage Scrub	upland	2	yes	0.51
SMC	Southern Mixed Chaparral	upland	3a	yes	0.01
NNG	Non-Native Grassland	upland	3b	yes	0.05
DHAB	Disturbed Habitat	upland	4	yes	0.24
EW	Emergent Wetland	wetland	W	yes	0.001
MFS	Mule Fat Scrub	wetland	W	yes	0.04
RF	Riparian Forests	wetland	W	yes	0.004
SWS	Southern Willow Scrub	wetland	W	yes	0.08

Lower Rose Canyon Emergency Repairs (MH 15)

ProjectType: Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
RUD	Ruderal	upland	4	no	0.005
EW	Emergent Wetland	wetland	W	no	0.006
FM	Freshwater Marsh	wetland	W	no	0.158
RW	Riparian Woodlands	wetland	W	no	0.144
SWS	Southern Willow Scrub	wetland	W	no	0.117

Penasquitos (Black Mtn. Rd. to Sabre Springs Pkwy.)

ProjectType: Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DCSS	Diegan Coastal Sage Scrub	upland	2	yes	0.01

Rose Creek Emergency Bypass Project

ProjectType: Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
NVC	Non-Vegetated Channel, Floodway, Lakeshore Fringe	wetland	W	yes	0.005

Van Nuys Canyon Sewer Maintenance Access Project

ProjectType: Cleaning &/or CAM

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
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City of San Diego Metropolitan Wastewater Department Canyon Program Habitat Impacts in 2005



Van Nuys Canyon Sewer Maintenance Access Project

ProjectType: Cleaning &/or CAM

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DCSS	Diegan Coastal Sage Scrub	upland	2	yes	0.003
NVC	Non-Vegetated Channel, Floodway, Lakeshore Fringe	wetland	W	yes	0.2

Washington Creek Sewer Maintenance Access & Repair

ProjectType: Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DHAB	Disturbed Habitat	upland	4	yes	0.04
ORN	Ornamental	upland	4	yes	0.01
RUD	Ruderal	upland	4	yes	0.01

Willow St. Canyon

ProjectType: Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DHAB	Disturbed Habitat	upland	4	no	0.07
NVC	Non-Vegetated Channel, Floodway, Lakeshore Fringe	wetland	W	no	0.004

Woodman Canyon Emergency Sewer Access and Repair

ProjectType: Emergency Repair

Code	Habitat Type	Position	Tier	In MHPA?	Acre (sum)
DCSS	Diegan Coastal Sage Scrub	upland	2	yes	0.06
DHAB	Disturbed Habitat	upland	4	yes	0.05
NNV	Non-Native Vegetation	upland	4	yes	0.01
NVC	Non-Vegetated Channel, Floodway, Lakeshore Fringe	wetland	W	yes	0.004