



COUNTY OF SAN DIEGO



MULTIPLE SPECIES CONSERVATION PROGRAM

2007 ANNUAL REPORT



County of San Diego Board of Supervisors

Greg Cox, District 1
Dianne Jacob, District 2
Pam Slater-Price, District 3
Ron Roberts, District 4
Bill Horn, District 5

Chief Administrative Officer
Walter F. Ekard

Deputy Chief Administrative Officer
Land Use & Environment Group
Chandra L. Wallar

Interim Director, Department of Planning and Land Use
Eric Gibson

Director, Department of Parks and Recreation
Renée E. Bahl

Chief, Multiple Species Conservation Program
Thomas Oberbauer

Chief, Resource Management Division
Trish Boaz



Photos on cover: Burrowing owl, Parry's tetracoccus, hiking in County of San Diego preserve.

TABLE OF CONTENTS

I. EXECUTIVE SUMMARY	3
II. BACKGROUND	4
III. CONSERVATION STATUS.....	6
IV. ACQUISITIONS	7
V. MITIGATION BANKS	8
VI. COUNTY PRESERVE MANAGEMENT	10
A. AREA-SPECIFIC MANAGEMENT DIRECTIVES.....	10
VII. COUNTY PRESERVE MONITORING.....	11
VIII. QUINO CHECKERSPOT BUTTERFLY AMENDMENT	13
IX. REGIONAL FUNDING SOURCE/COUNTY CONTRIBUTION.....	14
X. ENVIRONMENTAL EDUCATION AND OUTREACH.....	15
XI. MSCP MAP UPDATE	16

TABLES AND FIGURES

FIGURE 1: South County MSCP Subarea Plan Segments	5
TABLE 1: Conservation Status Through December 31, 2007	6
TABLE 2: Government Acquisitions	7
TABLE 3: County Mitigation Banks	9
TABLE 4: DPR Area Specific Management Directives.....	17
TABLE 5: Summary of Habitat Losses and Gains.....	18
TABLE 6: Habitat Conservation Accounting Model	19
TABLE 7: Summary of Project Losses	20
TABLE 8: Summary of Project Gains	28
TABLE 9: Completed County Acquisitions Within Approved MSCP.....	30
TABLE 10: Completed County Acquisitions Within Unapproved MSCP.....	32
FIGURE 2a: Cumulative Preserve Status, Metro-Lakeside-Jamul Segment North	34
FIGURE 2b: Cumulative Preserve Status, Metro-Lakeside-Jamul Segment North	35
FIGURE 2c: Cumulative Preserve Status, Metro-Lakeside-Jamul Segment South.....	36
FIGURE 3: Cumulative Preserve Status, Lake Hodges Segment	37
FIGURE 4: Cumulative Preserve Status, South County Segment	38

I. EXECUTIVE SUMMARY

This is the Ninth Annual Habitat Tracking Report for the County of San Diego's Multiple Species Conservation Program (MSCP) South County Subarea Plan (South County Subarea Plan). This report accounts for habitat loss and gain associated with development projects from January 1 through December 31, 2007 within the South County Subarea Plan. This report also includes a discussion of other land acquisitions, management and monitoring programs and funding sources that are utilized by the County to meet its MSCP implementation obligations.

The MSCP South County Subarea Plan covers approximately 242,379 acres of land. The overall preservation goal of the County's Subarea Plan is approximately 98,379 acres. From the inception of the South County MSCP Subarea Plan in 1998 through December 31, 2007, the County and its partners have achieved just over 66% of the conservation goal by conserving 65,214.5¹ acres of land through acquisition, dedication of easements and baseline preserve. In addition to the 65,214.5 acres already conserved to date, 12,246 acres of private baseline land were committed to be conserved through the South County MSCP Subarea Plan and will be dedicated in conformance with the Subarea Plan as development occurs. Upon conveyance of these private baseline lands, the County and its partners will have achieved 79% of the total conservation goal (not including future gains).

During the 2007 accounting period, 352.5² acres of habitat loss occurred within the entire South County Subarea Plan and 68.3³ acres of habitat gain occurred within the designated preserve boundary and presently count towards the County's conservation goal (103.4 acres total non-urbanized lands were gained, including areas outside of the designated preserve boundary).

Another 16,471.5⁴ acres of land (35.1⁵ acres in 2007) have been acquired and preserved outside the designated preserve boundaries since the inception of the MSCP. These additional lands are outside of the South County Subarea Plan preserve boundary and will not count toward the County's 98,379-acre conservation goal. Based on their strategic locations and conservation value, the County recognizes these lands contribute to the overall conservation of habitats and species in the MSCP. In addition, some of these lands are expected to become elements of future preserve planning in the North and East County MSCP Plans. Most notably, these areas include lands in the Santa Margarita and Hellhole Canyon Preserves.

¹ Total based on Table 5 Cumulative Habitat Gained Inside the Preserve Planning Area (65,275.5 acres) less Urban/Developed lands (61.0 acres) that are considered not to provide habitat value.

² Total based on Table 5, Summary of Habitat Losses and Gains, Total Habitat Loss for the Current Period (411.4 acres) less Urban/Developed land (58.9 acres) that are considered not to provide habitat value.

³ Total based on Table 5, Summary of Habitat Losses and Gains, Habitat Gain Inside the Habitat Preserve Planning Area for the Current Period (68.4 acres) less Urban/Developed land (0.1 acres).

⁴ Total based on Table 5, Summary of Habitat Losses and Gains, Cumulative Habitat Gain Outside the Habitat Preserve (16,896.0 acres) less Urban/Developed land (424.5 acres).

⁵ Total based on Table 5, Summary of Habitat Losses and Gains, Habitat Gain Outside the Habitat Preserve for the Current Period (36.4 acres) less Urban/Developed land (1.3 acres).

II. BACKGROUND

The County of San Diego Board of Supervisors adopted the South County MSCP Subarea Plan on October 22, 1997. An Implementing Agreement (IA) identifying the goals, objectives and responsibilities of the signatories, including the California Department of Fish and Game and the United States Fish and Wildlife Service (Wildlife Agencies), and the County of San Diego (County) became effective on March 17, 1998. Each year, the County prepares an annual report in accordance with Section 4.2 through 4.7 of the South County Subarea Plan and Section 14.0 of the associated IA.

The County is required in its annual report to account for the amount of habitat gained and lost within its jurisdiction. The terms *gain* and *loss* are used to describe habitat preserved (gain) and habitat developed or removed (loss). Habitat losses may also be referred to as *take* areas as defined by the federal Endangered Species Act (1973). Each annual report accounts for gain and loss associated with the following types of development projects as well as other discretionary projects during the previous calendar year:

1. Private Projects (Tentative Maps/Tentative Parcel Maps) that have Final Map Approval.
2. Projects that have been issued Grading Permits.
3. Building Permits exempt from the Biological Mitigation Ordinance (BMO).
4. New agricultural clearing exempt from the BMO.
5. Lands acquired by the County or other governmental agency for Preservation Purposes.
6. Approved Mitigation Bank Lands with *at least* one credit utilized and Non-Approved Mitigation Banks.
7. Changes to MSCP preserve boundaries including amendments and annexations.

The IA identifies that the conservation goal of the South County Subarea Plan is to create a 98,379-acre preserve within the South County Subarea Plan's approximately 242,379 acres of land. The 98,379 acres of preserve will be comprised of land identified as baseline conservation areas, hardline preserve areas or Pre-Approved Mitigation Areas (PAMA). Baseline conservation areas include pre-existing open space, parks, ecological reserves, and other areas that provided conservation value prior to the adoption of the South County MSCP Subarea Plan. Hardline preserve areas include those areas that were negotiated to be preserve land prior to or concurrently with the approval of the South County MSCP Subarea Plan. The majority of these hardline areas are located within the Lake Hodges and South County Segments of the County Subarea Plan. The PAMA is considered as a soft-line preserve area consisting of the Biological Resource Core and Linkage Areas identified in Section 4 of the South County Subarea Plan. PAMA is comprised of approximately 57,500 acres of land. It will be necessary to preserve approximately 74 percent of the area within PAMA to enable the County to meet the goal of 98,379 acres. While public and private agents are encouraged to mitigate within areas identified as PAMA, areas outside of PAMA are often acquired in order to meet California Environmental Quality Act (CEQA) avoidance and mitigation requirements or because these areas provide added value to the existing

or proposed preserve area. Lands preserved outside of the designated preserve boundaries will not be counted towards the County's conservation goal unless the Wildlife Agencies and the County agree that such areas provide acceptable Core and Linkage preserve values. In accordance with Section 10.3 of the County's IA the County and Wildlife Agencies are required to each purchase 9,425 acres (Table 2) as their fair share of the overall conservation goal.

The Subarea Plan is comprised of three separate segments: Lake Hodges, South County, and Metro-Lakeside-Jamul (Figure 1). The Metro-Lakeside-Jamul segment is the largest of the three segments and covers approximately 172,952 acres of land, of which, 115,241 acres are considered natural and having habitat value. The preserve area planned for this segment will include approximately 44,764 acres consisting of land within the PAMA. Within the Metro-Lakeside-Jamul segment, the preserve area is being assembled through project compliance with: the California Environmental Quality Act (CEQA), the County's South County MSCP Subarea Plan and the Biological Mitigation Ordinance (BMO), or through acquisition by Local, State, or Federal governments.

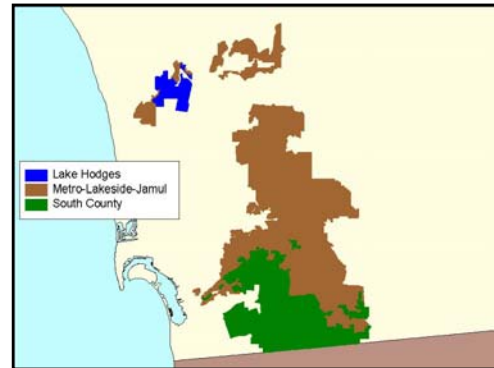


FIGURE 1: South County MSCP Subarea Plan Segments

The Lake Hodges and South County segments are areas where development and preserve areas (Hardline Preserve) were determined through negotiations between several private property owners, the Wildlife Agencies, and the County prior to adoption of the South County MSCP Subarea Plan concurrently or prior to adoption of the County Subarea Plan. The Lake Hodges segment covers approximately 8,814 acres land. The preservation goal for this segment includes approximately 4,589 acres of natural habitat, exclusive of ruderal and disturbed habitats. The South County segment covers 72,863 acres of land in the southwestern portion of the County. The preservation goal for this segment will include approximately 45,351 acres of natural habitat, exclusive of ruderal and disturbed habitats. The Lake Hodges and South County segments also include major and minor amendment areas. Amendment areas are certain locations that were determined prior to adoption of the MSCP to be outside of the planning area. Therefore, these areas do not receive "Third Party Beneficiary Status" under the County's Incidental Take Permit unless they go through a formal amendment process with the Wildlife Agencies. All projects within these areas must participate in the amendment process during any discretionary permit review. Upon approval of an amendment, the area will be changed from amendment to take authorized or hardline preserve on the official County of San Diego South County MSCP Subarea Plan map.

HabiTrak software developed by EDAW in cooperation with the Wildlife Agencies, City of San Diego and County of San Diego provides a tool that allows the County and other participating agencies to readily determine whether compliance with the IA has been achieved. There are several metrics that HabiTrak measures (see Tables 5 – 8) to

identify whether or not compliance has been achieved. First, HabiTrak identifies the total amount of conservation that has occurred as well as gains or losses associated with specific development projects. The total amount of conservation to date can be measured against the 98,379-acre conservation goal of the South County MSCP Subarea Plan. Second, the IA requires that the County verify that conservation has occurred in “rough-step” with development in the Metro-Lakeside-Jamul segment that consists of PAMA, or soft-line preserve area. Third, HabiTrak can track the amount of acreage that the County and other agencies have purchased towards their 9,425-acre requirement.

III. CONSERVATION STATUS

The conservation status of the South County MSCP Subarea Plan through December 31, 2007 is summarized by segment in Table 1 below as well as in Tables 5 – 8 and graphically in Figures 2 through 4 at the end of this report. Table 1 shows the gains and losses for the current reporting year, 2007, as well as cumulative gains and losses since the inception of the MSCP in 1998. During 2007, there were no agricultural exemptions issued. Cumulatively, the County has lost 89.34 acres of habitat to agricultural exemptions within the South County MSCP Subarea Plan.

Table 1: Conservation Status through December 31, 2007

	Metro-Lakeside-Jamul Segment North	Metro-Lakeside-Jamul Segment South	Lake Hodges Segment	South County Segment	Total
GAINS					
Total Habitat Gain in 2007	66.01	0.73	38.02	0	104.8 (103.4*)
Habitat Gain within Planned Preserve Area	56.32	0	12.09	0	68.4** (68.37*)
Cumulative Habitat Gain	17,893.2	22,231.26	3,851.35	38,310.9	82,171.5** (81,801.3*)
Cumulative Habitat Gain within Planned Preserve Area***					65,275.5 (65,214.5*)
LOSSES					
Total Habitat Loss in 2007	110.01	104.05	150.42	46.93	411.4 (352.5*)
Habitat Loss within Planned Preserve Area	22.99	15.21	6.25	2.4	46.9 (45.8*)
Cumulative Habitat Loss	2,853.21	3,058.5	2,904.51	572.28	9,384.4 (7,613.41*)
Cumulative Habitat Loss within Planned Preserve Area***					1,136.1 (1,096.6*)
(*) Total not including Urban/Developed land. Numbers without an asterisk include Urban/Developed land. ** Some numbers reflect a margin of error significantly less than 1% due to compounded rounding. *** Data not calculated by Segment. All numbers shown in acres. Numbers in bold correspond directly with totals noted in Table 5-8.					

According to the County Subarea Plan Section 4.4 and Section 14 of the IA discussed above, the County is required to show that conservation of each vegetation type within the Metro-Lakeside-Jamul segment is proceeding in rough-step with development (Table 6). Rough-step is a cumulative calculation of all habitat losses and gains. Conformance to rough-step on an annual basis can be determined by looking at the last column of Table 6 found at the end of this report. This column will include one of three symbols: a negative (-) sign indicates that conservation of the identified vegetation type is in rough-step; a positive (+) sign indicates that conservation is not in rough-step; and "n/a" indicates that conservation is not necessary or that the conservation goal has been achieved.

Based on Table 6, it can be shown that the County is in rough-step with 12 of the 14 vegetation types listed. The vegetation types that appear not to be in rough-step are Oak Riparian Forest (1.55 acres) and Riparian Scrub (0.33 acres). Impacts to these habitat types are generally a result of building permits and similar ministerial actions that are exempt from both the California Environmental Quality Act (CEQA) and from the Biological Mitigation Ordinance (BMO), and therefore are not required to provide project-specific vegetation maps or mitigation. It should also be noted that existing vegetation maps utilized to develop baseline conditions in HabiTrak are regional in nature and are therefore will not be fully consistent with actual on-the-ground conditions in all cases. The County considers that the program remains in rough step based on the measurement issues noted above, significant acquisitions, as well as project -level revegetation that has occurred and is not included in these calculations.

IV. ACQUISITIONS

Section 10.3 of the IA requires that the Wildlife Agencies and the County acquire approximately 9,425 acres each within the boundaries of the MSCP. Table 2 below shows the total amount of land acquired for preservation during 2007 and cumulatively for each governmental agency. These include lands inside and outside of the planned preserve area. Therefore, not all of these lands count toward the preserve conservation goal. Acquisition totals for Federal and State Agencies may have changed from the previous MSCP Annual Reports due to updates and correction of previous data.

TABLE 2: Government Acquisitions

Federal Agencies	
2007 Acquisitions	88.71 acres
Cumulative Acquisitions	8,134.8 acres
State Agencies	
2007 Acquisitions	0.0 acres
Cumulative Acquisitions	18,646.8 acres
County of San Diego	
2007 Acquisitions	17.26 acres
Cumulative Acquisitions	4,720.29 acres

County Land acquisitions for the 2007 calendar year within the South County MSCP Subarea Plan totaled 17.26 acres within Santa Fe Valley. The majority of the 17.26 acres consists of Diegan Coastal Sage Scrub. Since the inception of MSCP, the County has acquired 4,720.29 acres within the South County MSCP Subarea Plan. These acquisitions are summarized in greater detail at the end of this report in Table 9.

During 2007, the County acquired an additional 90.44 acres of land located in the future North County MSCP Plan, including the Santa Margarita and Hellhole Canyon Preserves. More information on these lands can be found in Table 10.

V. MITIGATION BANKS

Since the adoption of the MSCP, several Mitigation Banks have been established in the County (Table 3). There are two types of mitigation banks found throughout the County: 1) Mitigation banks that are approved by the Wildlife Agencies and 2) Mitigation banks that do not have formal approval from the Wildlife Agencies. In addition to a signed agreement, approved banks are considered entirely preserved when the first credits are purchased while the County only receives preservation credit at the time a conservation easement has been approved within banks without agreements. Banks without agreements need to clearly demonstrate their credit accounting methods and management considerations. Table 3 identifies the existing County mitigation banks and the number of credits that have been utilized from each bank. These banks are utilized by the Department of Public Works for public projects such as road improvements. For information on non-County mitigation banks, contact the bank operator or manager directly or visit:

<http://ceres.ca.gov/topic/banking.html>,

<http://www.dfg.ca.gov/hcpb/conplan/mitbank/mitbank.shtml>,

or http://sacramento.fws.gov/es/cons_bank.htm.

TABLE 3: County Mitigation Banks 2007	Coast Live Oak Woodland	Coastal Sage Scrub	Disturbed/ Ruderal	Engelmann Oak Woodland	Marsh/ Riparian scrub/ Floodplain	Mixed Chaparral	Native Grasslands	Non-Native Grasslands	Southern Willow Scrub	Southern Riparian/ Oak Woodland	Totals
Boden Canyon											
Total	0.8	10.2	0	2.5	0	14.9	0.1	1	0	10	39.5
Used	0.8	10.2	0	2.5	0	0	0	0.32	0	10	23.82
Remaining	0	0	0	0	0	14.9	0.1	0.68	0	0	15.68
Old Castle											
Total	0.62	41.2	0	0	0	17.95	0	0	0.25	0	60.02
Used	0.62	40.78	0	0	0	0	0	0	0	0	41.4
Remaining	0	0.42	0	0	0	17.95	0	0	0.25	0	18.62
Rancho San Diego											
Total	4.8	226.2	80.3	0	2.4	19.6	3.4	0	0	72.5	409.2
Used	3.99	52.85	1.75	0	0.2	7.33	0.51	0	0	11.64	78.25
Remaining	0.81	173.35	78.55	0	2.2	12.27	2.89	0	0	60.86	330.93
Singing Hills											
Total	0	69.7	0	0	0	0	0	0	0	0	69.7
Used	0	0.69	0	0	0	0	0	0	0	0	0.69
Remaining	0	69.01	0	0	0	0	0	0	0	0	69.01
Sweetwater											
Total	0	0	0	0	26	0	0	0	0	0	26
*Used	0	0	0	0	18.12	0	0	0	0	0	18.6
Remaining	0	0	0	0	7.88	0	0	0	0	0	7.88
Total Remaining Acres											
	0.81	242.78	78.55	0	10.08	45.12	2.99	0.68	0.25	60.86	442.12
*Includes 8.828 acres reserved for Renewal of RPG53											

VI. COUNTY PRESERVE MANAGEMENT

The County is obligated to manage and monitor the habitat it acquires for the South County MSCP Subarea Plan in conformance with IA sections 10.9 "Preserve Management" and 11.0 "Funding Responsibilities". The IA requires that the County prepare and submit to the Wildlife Agencies a Framework Management Plan that incorporates the species-specific management actions set forth in Table 3-5 of the MSCP Plan and adaptive management strategies as is appropriate. The County is also responsible for providing a short- and long-term funding mechanism regarding the management and monitoring of habitat acquired in the MSCP.

A. AREA-SPECIFIC MANAGEMENT DIRECTIVES

As can be seen in Table 4 at the end of this report, the County Department of Parks and Recreation (DPR) completed one Area-Specific Management Directive (ASMD) and revised one existing ASMD in the reporting period. ASMDs contain biological and cultural data on certain preserve areas and management recommendations in conformance with the MSCP for those preserve areas. The completed ASMD was for Tijuana River Valley Regional Park (located in the City of San Diego's Subarea Plan) based on the updated Trails and Habitat Enhancement Project that was approved by the Board of Supervisors in December 2006. This document is available on the DPR website at www.sdparks.org. The revised ASMD was for San Vicente Preserve and can be found at the website noted above. The Resource Management Plan for Ramona Grasslands Preserve located in the North County MSCP planning area was also completed in 2007 and can be found at the website above.

Upcoming ASMDs due for completion in the calendar year of 2008 include Lakeside Linkage Preserve, Boulder Oaks Open Space Preserve, and Otay Ranch. In addition, the ASMD for the entire Santa Ysabel Preserve including the biological and cultural resources surveys for the western area of the Preserve will be completed in 2008. A full list of the completed, pending and future ASMDs is available on Table 4 at the end of this report.

Additional management activities have also occurred in 2007 in compliance with the Habitat Management Plans (HMPs) established for various preserve lands. County DPR and active volunteer groups have performed removal of non-native and invasive species and fuel management activities throughout 2007, including:

Lake Hodges Segment

- Santa Fe Valley (Bernardo Lakes)- Removal of artichoke thistle, tamarisk and pampas grass, and fuel management per the Habitat Management Plan (HMP)
- Santa Fe Valley (Starwood)- removal of pampas grass and artichoke thistle and fuel management
- 4S Ranch (Ralph's Preserve)- removal of artichoke thistle and range management

- 4S Ranch (South)- mapped artichoke thistle populations in upland open space and removed non-native species in wetland revegetation areas
Metro-Lakeside-Jamul Segment South
- Sycamore Canyon/ Goodan Ranch- Removal of artichoke thistle, tamarisk, pampas grass, and hoary cress.
- Wright's Field – de-thatching of grasses at one location for San Diego thorn-mint by Back Country Land Trust.

B. OPEN SPACE PRESERVE BASELINE SURVEYS

As habitat is acquired for the South County MSCP Subarea Plan, the County performs baseline biological and cultural resources surveys to inventory the resources located on the properties. In the reporting period baseline biological and cultural resources surveys were performed and completed in Boulder Oaks Open Space Preserve. In addition, baseline surveys were initiated in the following Preserves: Del Dios Highlands and Lakeside Linkage.

VII. COUNTY PRESERVE MONITORING

The County is obligated to manage and monitor the habitat it acquires for the South County MSCP Subarea Plan in conformance with IA sections 10.9 "Preserve Management" and 11.0 "Funding Responsibilities". The Biological Monitoring Plan for the Multiple Species Conservation Program was developed in 1996 by Ogden to provide a detailed outline of the monitoring responsibilities for the MSCP Subregional Plan. Since the implementation of the South County MSCP Subarea Plan, the County, in cooperation with the other stakeholders, has been attempting to implement this plan on each of their preserved lands.

To track monitoring efforts for habitat acquired for the South County MSCP Subarea Plan, MSCP Monitoring Data Tracking maps are being developed in the reporting period and will be completed in early 2008. These maps will be displayed in the DPR office for public access. An overall County map will be displayed showing the three plan areas for North, South, and East County including preserved land and DPR Open Space Preserves. A map focused on the South County MSCP Plan area will be developed including symbols representing each of the monitoring tasks for the regional plan and for each Open Space Preserve. Each of these symbols will include a color gradient showing monitoring progression in relation to the monitoring timing (e.g., every three or five years). When the Draft North and East County MSCP Plan's are completed maps will be developed showing monitoring needs for each regional plan and corresponding Open Space Preserves.

SPECIES-SPECIFIC SURVEYS

Acanthomintha ilicifolia

- Census of about four populations at Sycamore Canyon Open Space Preserve (approximately 5600 individuals total)

- Rare plant survey form for one population at Sycamore Canyon (230 individuals, “fair to good” condition)
- Census of two populations at Wrights field (approximately 35 total individuals)
- Rare plant survey form for one population at Wright’s Field (approximately 30 individuals, “fair to good” condition)
- Pollinator study begun at Wright’s Field and McGinty Mountain

Ambrosia pumila

- Rare plant survey form for one population at Starwood/Crosby in Santa Fe Valley (400-500 individuals, “poor” condition)

Arctostaphylos glandulosa ssp. *crassifolia*

- Rare plant survey form for one population with transplanted individuals at Starwood/Crosby in Santa Fe Valley (approximately 100 individuals, “fair to good” condition). A sample was tested for disease because of numerous dead leaves noted on transplanted plants; results were negative for “insects or primary plant pathogens”, but it was noted that fungal diseases are common in years with very low rainfall.

Baccharis vanessae

- Rare plant survey form for one population at Rancho Cielo (at least 20 individuals, “very good-excellent” condition)

Dudleya variegata

- Rare plant survey form for one population at 4S Ranch South (approx. 500 individuals, “poor” condition)
- Rare plant survey form for one population at Lusardi Creek (approx. 30 individuals, “very good – excellent” condition)
- Documented one population at Sycamore Canyon (50-60 individuals)

Eryngium aristulatum var. *parishii*

- Census of population in vernal pool complex at Starwood/Crosby in Santa Fe Valley (at least 100 individuals in nine pools)
- Rare plant survey form for one vernal pool on the Sunroad Centrum site in Otay Mesa (10 individuals, “fair to good” condition)

Ferocactus viridescens

- Repeat photo point at 4S Ranch South population (approximately 50 individuals here)
- Documented seven individuals at Sunroad Centrum site in Otay Mesa; also 14 skeletons from failed transplantation (add more about other observations in BOD)

Muilla clevelandii (= *Bloomeria* c.)

- Directed search at Christopherhill site did not detect this species.
- Documented occurrence of one individual at 4S Ranch South site; it is likely that others were not yet in bloom or affected by drought conditions.

Navarretia fossalis

- Directed search at vernal pool complex at Starwood/Crosby in Santa Fe Valley did not detect (previously reported in biological report for project)

Pogogyne abramsii

- Directed search at vernal pool complex at Starwood/Crosby in Santa Fe Valley did not detect (previously reported in biological report for project)

Burrowing owl (*Athene cunicularia hypugaea*)

- Documented two active burrows on Sunroad Centrum site in Otay Mesa

Northern Harrier (*Circus cyaneus*)

- Documented one individual foraging at the Sunroad Centrum site in Otay Mesa

The County revisited photo-points near Sweetwater Reservoir, Rancho Jamul, Sloan Canyon corridor, and Harbison Canyon corridor to monitor the recovery of vegetation affected by fires of 2003 and 2007. These photograph series will be used to analyze fire recovery and determine if any areas may require specific adaptive management actions. These photos are now available on the following website: http://www.wildfirezone.org/photo_gallery.asp.

VIII. QUINO CHECKERSPOT BUTTERFLY AMENDMENT

The Quino checkerspot butterfly (*Euphydryas editha quino*) is federally listed as endangered. The County of San Diego has received a grant from the USFWS to prepare an amendment to the MSCP Subarea Plan that would result in this species being covered. The County is working towards coverage for this species in the Subarea Plan.

In 2002, the County entered into contracts with independent science advisors to gather input to address the potential for habitat enhancement through the creation of an experimental design to be performed in test areas, and to address the methods of performing surveys. The County will continue to conduct surveys and coordinate findings with the Wildlife Agencies and other stakeholders in anticipation of preparing an amendment to the MSCP for consideration by the Board of Supervisors. A draft report from the independent science advisors was submitted to the County and was reviewed by the stakeholders. Extensive comments were made by USFWS on the report and it was revised and completed.

In 2005, the County submitted to the Wildlife Agencies, a draft proposal for including Quino as a covered species. The Wildlife Agencies provided comments on this proposal in August, 2005, and the County is close to reaching resolution regarding the concerns raised by the Wildlife Agencies. County staff is using current data to update a model that estimates the distribution of Quino. Additionally, discussions are underway with the Wildlife Agencies and private landowners whose property is critical to the Quino

Amendment. Once the model is updated and agreements are reached regarding conservation of Quino on critical private lands; a new draft will be submitted for review by a stakeholder group and the Wildlife Agencies.

IX. REGIONAL FUNDING SOURCE/COUNTY CONTRIBUTION

The County is responsible for acquiring private lands within the Multiple Habitat Planning Area, and for funding Multiple Habitat Planning Area management, monitoring and administrative costs. The MSCP Plan intends that funds to cover these local costs will be raised on a regional, countywide or MSCP area-wide basis.

In November 2004, voters countywide approved Proposition A, the 40-year extension of TransNet — the local half-cent sales tax for transportation improvements along with an extensive \$850 million Environmental Mitigation Program. The Environmental Mitigation Program was the result of a cooperative effort among permit holders, private conservancies and the Wildlife Agencies to develop a regional funding source as required under the IA for the MSCP. Planning Principles were developed to guide the implementation of the Environmental Mitigation Program. Land acquisitions, management and monitoring activities that result from the implementation of this program will receive credit toward the “regional funding obligations.”

Funds for direct mitigation, management and monitoring of regional transportation projects are placed into a “Transportation Project Mitigation Fund,” where they can be used as partial funding for regional acquisition, habitat management and monitoring activities related to implementation of the MSCP, the Multiple Habitat Conservation Program (MHCP), and future amendments to those plans. The “mitigation costs,” including land acquisition, restoration, management, and monitoring, for these regional projects are estimated at approximately \$450 million.

The Environmental Mitigation Program also includes an allocation for the estimated direct costs for mitigation of upland and wetland habitat impacts for local transportation projects, in a total amount not to exceed \$200 million. Funds for direct mitigation of these projects shall also be placed in the Transportation Project Mitigation Fund.

In addition, the economic benefit of incorporating specified regional and local transportation projects into applicable habitat conservation plans, thereby allowing mitigation requirements for covered species to be fixed, and allowing mitigation requirements to be met through purchase of land in advance of need in larger blocks at a lower cost is estimated at approximately \$200 million (\$150 million for regional projects and \$50 million for local projects). This amount will be allocated to a “Regional Habitat Conservation Fund,” which will be made available for regional habitat acquisition, management and monitoring activities necessary to implement the MSCP and MHCP.

Therefore, the total funding allocation for the Environmental Mitigation Program is \$850 million. The regional transportation agency responsible for administering these funds,

the San Diego Association of Governments (SANDAG), has allocated \$1 million for management and monitoring implementation activities in FY 2007. Up to \$750,000 of those funds are available for land management activities. The remaining funds will be spent to develop a conserved lands database and conduct wildfire monitoring to assess the recovery of habitat that was impacted by the 2003 and 2007 wildfires. These two projects will be developed through agreements with the USFWS and the USGS.

The County, Wildlife Agencies, and other agencies worked with SANDAG throughout 2007 to develop a draft Memorandum of Agreement (MOA) that defines a general program for the long-term distribution program for the Environmental Mitigation Program's regional acquisition, management and monitoring funds. This MOA will be proposed to the SANDAG Board of Directors for approval in early 2008. Specific projects to be funded, including those within the MSCP Subarea Plan, will be identified by a process outlined in this MOA. Information regarding the Environmental Mitigation Program is available on SANDAG's website (www.sandag.org).

Prior to the approval of Proposition A, the County met its funding requirements through approval of a two-year budget that includes the MSCP General Fund. The MSCP General Fund is based on fiscal year allocations. The County's fiscal year runs between July 1 and June 30 while the MSCP Annual Report is based on the calendar year, January 1 through December 31. The Board of Supervisors annually approves two-year budget strategies.

The County prepares a budget for each fiscal year (July-July) on a bi-annual basis. The County's approved budget for FY 06-07 and FY 07-08 includes \$15.0 million of General Fund allocations for MSCP including \$10 million for land acquisition and approximately \$5 million for land management and monitoring.

As of December 31, 2007, the County spent a total of approximately \$42 million of County General Fund and State Grant monies to acquire a total of 4,720.29 acres of land within the MSCP (Table 9).

X. ENVIRONMENTAL EDUCATION AND OUTREACH

The MSCP Outreach Committee consists of members from the County Departments of Planning and Land Use, Parks and Recreation, Environmental Health, and Public Works, and the City of San Diego, City of Chula Vista, USFWS, CDFG, Bureau of Land Management, and other stakeholders. The MSCP Outreach Committee's objectives include providing the public with information about the MSCP and educating young people about the importance of the environment and how it adds to their quality of life. Education programs that take place in County Preserves provide a wonderful opportunity to experience nature firsthand.

The Committee meets once a month and publishes a quarterly newsletter, *MSCP News*, providing up-to-date information about the MSCP. The Committee was involved in many events throughout 2007, including:

- Earth Fair
- Various Earth Day beautification projects
- Watershed Awareness Week
- National Trails Day
- National Public Lands Day
- The Discovery Kit Program at Louis A. Stelzer County Park
- County of San Diego Land Use and Environment Group Employee Fair
- MSCP 2006 Annual Report Workshop
- Numerous classroom presentations
- Completion of several informational brochures about the MSCP, its preserves and the species it protects

XI. MSCP MAP UPDATE

Concurrent with the reception of the 2007 MSCP Annual Report, the San Diego County Board of Supervisors is approving an updated County of San Diego MSCP South County Subarea Plan map. This map changes the designations of major and minor amendment areas that have received approved amendments from the County of San Diego with concurrences from the Wildlife Agencies. The designations have changed from amendment to either take authorized if there was a loss or from amendment to hardline preserve if there was a gain.

Table 4: DPR Area Specific Management Directives

South County MSCP			North County MSCP			East County MSCP		
Preserve	Acres	Estimated Completion Date for ASMD	Preserve	Acres	Estimated Completion Date for ASMD	Preserve	Acres	Estimated Completion Date for ASMD
Completed			Completed			Completed		
San Vicente	1,535	Revised Jun-2007	Ramona Grasslands	490	Jun-2007	Santa Ysabel East	3,894	May-2006
Barnett Ranch	708	Aug-2006	Pending			Pending		
Tijuana River Valley	1,800	Jun-2007	Hellhole Canyon	1,907	Apr-2009	Santa Ysabel West	1,512	Jun-2008
Pending			Future			Future		
Lakeside Linkage	135	Jun-2008	Wilderness Gardens	701	TBD	Volcan Mountain	2,732	TBD
Boulder Oaks	1,215	May-2008	Mount Olympus	711	TBD	Potrero/Mason Wildlife Area	206	TBD
Otay Ranch	856	April-2008	Escondido Creek	207	TBD	Inkopa Park/Mountain Springs	287	TBD
Del Dios Highlands	465	Mar-2009	Santa Margarita	173	TBD	Heise	972	TBD
Sycamore Canyon/Goodan Ranch	2,415	Jun-2009	Simon/Gower	2,221	TBD	Agua Caliente/Vallecitos	981	TBD
Oakosais/Louis Stelzer/El Capitan	3,530	May-2009	San Luis Rey	202	TBD	Peg Leg/Borrego Springs	325	TBD
Lusardi Creek	193	Jul-2009	San Elijo Lagoon	904	TBD			
Subtotal	12,852		Subtotal	7,516		Subtotal	10,909	

TABLE 5

Summary of Habitat Losses and Gains

Begin Period: 1/1/2007

End Period: 12/31/2007

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
Coastal Sage Scrub	42,873	24.5	538.1	58.4	24,150.3	58.3	37.6	1,172.5	14.5	6,480.9	62.1	1,710.6	72.9	30,611.2
Maritime Succulent Scrub	6	0.0	0.0	0.0	3.4	56.2	0.0	0.0	0.0	8.2	0.0	0.0	0.0	11.6
Chaparral	38,871	9.8	243.5	0.9	30,030.2	75.3	56.4	2,205.1	7.6	5,526.8	66.2	2,448.6	8.6	35,657.1
Southern Maritime Chaparral	6	0.0	2.0	0.0	5.6	112.4	0.0	9.8	0.0	22.7	0.0	11.7	0.0	28.3
Coastal Sage-Chaparral Scrub	1,325	0.0	10.7	0.0	806.2	60.8	0.0	126.4	0.0	626.5	0.0	137.1	0.0	1,432.6
Grassland	3,171	6.9	55.6	3.6	1,551.0	48.9	11.6	894.5	5.6	742.9	18.4	950.1	9.2	2,293.9
Freshwater Marsh	233	0.0	0.3	1.1	123.4	52.9	0.1	4.5	0.0	41.3	0.1	4.7	1.1	164.7
Riparian Forest	348	0.0	0.4	0.0	275.4	79.1	0.0	2.0	0.0	55.8	0.0	2.4	0.0	331.1
Oak Riparian Forest	2,192	0.6	25.3	4.1	726.1	33.1	1.0	39.0	0.0	365.4	1.6	64.3	4.1	1,091.8
Riparian Woodland	20	0.0	0.0	0.0	10.9	54.4	0.0	0.0	0.0	6.5	0.0	0.0	0.0	17.3
Riparian Scrub	383	0.0	2.9	0.0	100.2	26.1	0.3	12.9	0.4	37.5	0.3	15.8	0.4	137.7
Oak Woodland	2,211	1.0	31.2	0.0	945.6	42.8	4.7	64.6	0.0	254.8	5.7	95.8	0.0	1,200.4
Tecate Cypress Forest	5,589	0.0	0.0	0.0	5,491.1	98.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	5,491.2
Eucalyptus Woodland	105	0.0	9.0	0.0	42.5	40.5	4.0	390.5	0.5	30.3	4.0	399.5	0.5	72.8
Open Water	149	0.0	0.0	0.0	20.7	13.9	0.6	6.3	0.0	4.5	0.6	6.3	0.0	26.2
Disturbed Wetland	90	0.0	2.0	0.0	77.5	86.1	0.0	16.3	0.0	19.3	0.0	18.2	0.0	96.8
Natural Floodchannel	225	0.0	0.0	0.0	28.5	12.7	0.0	0.0	0.0	4.8	0.0	0.0	0.0	33.4
Disturbed Land	9	0.0	98.1	0.3	359.5	3,994.8	31.8	607.4	0.8	238.5	31.8	705.5	1.1	598.0
Agriculture	0	3.1	77.9	0.0	466.5	0.0	158.8	952.6	5.9	2,024.7	161.9	1,049.4	5.9	2,491.2
Urban/Developed	0	1.1	39.5	0.1	61.0	0.0	57.8	1,734.1	1.3	424.5	58.9	1,773.7	1.4	485.4
Grand Total:		46.9	1,136.1	68.4	65,275.5		364.6	8,248.3	36.4	16,896.0	411.4	9,384.4	104.8	82,171.5

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

TABLE 6

Habitat Conservation Accounting Model

Begin Period: 1/1/2007

End Period: 12/31/2007

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 M-L-J Segment for Current Period	+ or - Max. Allowable Impacts
Coastal Sage Scrub	23,569	18,717	4,852	3.86	9,391.14	2,676.22	61.28	-
Chaparral	22,179	18,662	3,517	5.31	11,766.15	2,347.38	66.08	-
Southern Maritime Chaparral	0	0	0	0.00	0.00	0.00	0.00	n/a
Coastal Sage-Chaparral Scrub	1,366	1,152	214	5.38	710.97	140.27	0.00	-
Grassland	2,145	1,741	404	4.31	958.38	240.55	7.75	-
Freshwater Marsh	15	15	0	0.00	6.75	0.00	0.00	-
Riparian Forest	84	84	0	0.00	60.89	0.00	0.00	-
Oak Riparian Forest	2,044	2,043	1	2,043.00	660.51	0.39	1.55	+
Riparian Woodland	6	6	0	0.00	4.24	0.00	0.00	-
Riparian Scrub	298	298	0	0.00	37.12	0.00	0.33	+
Oak Woodland	2,355	1,912	443	4.32	906.22	233.27	5.65	-
Tecate Cypress Forest	0	0	0	0.00	0.00	0.00	0.00	n/a
Eucalyptus Woodland	53	41	12	3.42	13.12	4.66	2.71	-
Open Water	124	124	0	0.00	2.46	0.00	0.00	-
Disturbed Wetland	52	52	0	0.00	46.81	0.00	0.00	-
Natural Floodchannel	197	197	0	0.00	11.43	0.00	0.00	-
Disturbed Land	1,259	0	1,259	0.00	174.02	0.00	6.41	n/a
Agriculture	1,608	0	1,608	0.00	424.27	0.00	9.22	n/a
Urban/Developed	0	0	0	0.00	20.73	0.00	53.11	n/a
Grand Total:					25,195.21		214.09	

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

This report only pertains to the Metro-Lakeside-Jamul segment of the County's subarea plan. It includes gains that occur within the Preapproved Mitigation Area (PAMA) while counting all losses within the entire segment.

TABLE 7

Summary of Project Losses

Start Date: 1/1/2007
 End Date: 12/31/2007
 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
07-107	COI DOREY LEIGHTON		DOREY LEIGHTON	267-051-12	11/1/07	Loss	0.00	Single-Family Residential	0.00	0.16	0.16
07-098	COI LENNAR-THE LAKES		LENNAR	267-060-35	6/22/07	Loss	0.00	Single-Family Residential	0.16	0.00	0.16
07-004	PM15523		Lennar Homes	267-060-05 267-060-34 267-060-36	3/2/07	Loss	0.00	Single-Family Residential	50.79	0.00	50.79
07-009	PM15583		Lennar Homea Inc.	267-060-27 267-060-28 267-060-29 **	7/27/07	Loss	0.00	Single-Family Residential	92.80	0.00	92.80
07-005	PM20268		Centurion Artesian Trail Corp.	267-142-10	6/7/07	Loss	0.00	Single-Family Residential	0.41	6.09	6.50
Total for: Lake Hodges									144.17	6.25	150.42
07-132	BP Kesinger		Kesinger, Christopher & Nancy	278-271-46	12/13/07	Loss	0.00	Single-Family Residential	1.60	0.00	1.60
07-131	BP Lofgran		Lofgran, Eric & Julie	393-030-28	12/17/07	Loss	0.00	Single-Family Residential	0.74	0.00	0.74
07-069	BROWN CLARA MARIE		BROWN CLARA MARIE	402-120-49	2/2/07	Loss	0.00	Single-Family Residential	0.51	0.00	0.51
07-117	COI AMERON INC		AMERON INC	392-120-28	11/14/07	Loss	0.00	Single-Family Residential	1.87	0.00	1.87
07-075	COI BLOOM TIMOTHY		BLOOM TIMOTHY	390-040-54	2/22/07	Loss	0.00	Single-Family Residential	0.00	0.80	0.80
07-114	COI BONGIOVANNI JACK		BONGIOVANNI JACK	404-013-24	11/20/07	Loss	0.00	Single-Family Residential	1.14	0.00	1.14

Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc. #	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Acres
07-107	COI DOREY LEIGHTON		DOREY LEIGHTON	267-051-12	11/1/07	Loss	0.00	Single-Family Residential	0.91	0.32	1.23
07-082	COI FLYNN JOSEPH		FLYNN JOSEPH	393-021-93	4/19/07	Loss	0.00	Single-Family Residential	0.02	0.31	0.33
07-123	COI Frazier		Frazier, Colin & Maria	404-013-60	7/16/07	Loss	0.00	Single-Family Residential	1.23	0.00	1.23
07-093	COI GAMBLE KEN		GAMBLE KEN	327-110-48	2/23/07	Loss	0.00	Single-Family Residential	1.70	0.00	1.70
07-083	COI GEERTS PATRICIA		GEERTS PATRICIA	327-010-73	3/13/07	Loss	0.00	Single-Family Residential	0.27	0.00	0.27
07-072	COI GOODMAN FAMILY		GOODMAN FAMILY	303-050-38	1/31/07	Loss	0.00	Single-Family Residential	1.11	0.00	1.11
07-128	COI Hanson		Hanson, Mark & Jaqueline	329-132-14	10/18/07	Loss	0.00	Single-Family Residential	6.20	0.00	6.20
07-063	COI JOHNSON LIVING TRUST		JOHNSON, KEVIN	385-120-23	2/27/07	Loss	0.00	Single-Family Residential	2.06	0.00	2.06
07-106	COI KUJAWA KEVIN		KUJAWA KEVIN	393-151-03	9/18/07	Loss	0.00	Single-Family Residential	0.49	0.00	0.49
07-066	COI LIBRI PARTNERS LTD		LIBRI PARTNERS LTD	303-026-26	3/1/07	Loss	0.00	Single-Family Residential	0.52	0.00	0.52
07-087	COI MAR VISTA TRUST		MAR VISTA TRUST	302-301-11	9/10/07	Loss	0.00	Single-Family Residential	0.97	0.00	0.97
07-079	COI MARTIN GERALD		MARTIN GERALD	396-011-11	1/8/07	Loss	0.00	Single-Family Residential	0.07	0.00	0.07
07-121	COI May		May, Darrel & Marie	327-010-50	8/23/07	Loss	0.00	Single-Family Residential	3.44	0.00	3.44
07-073	COI NOLTA VANCE		NOLTA VANCE	329-120-46	1/24/07	Loss	0.00	Single-Family Residential	0.18	0.00	0.18
07-089	COI PEDERSON GARY		PEDERSON GARY	269-202-01	9/11/07	Loss	0.00	Single-Family Residential	1.50	0.00	1.50
07-074	COI SCHWARTZ EDWARD		SCHWARTZ EDWARD	377-240-01	1/30/07	Loss	0.00	Single-Family Residential	0.46	0.00	0.46
07-097	COI SHAFFER TRUST		SHAFFER TRUST	303-040-51	1/18/07	Loss	0.00	Single-Family Residential	0.98	0.00	0.98
07-122	COI Simpson		Simpson, Glenn	278-382-25	7/23/07	Loss	0.00	Single-Family Residential	5.03	0.00	5.03

Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc. #	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Acres
07-080	COI SKINNER TODD		SKINNER TODD	375-081-29	1/4/07	Loss	0.00	Single-Family Residential	1.01	0.00	1.01
07-113	COI STEELE VALLEY LLC		STEELE VALLEY LLC	237-100-39	11/11/07	Loss	0.00	Single-Family Residential	1.08	0.00	1.08
07-084	COI WAGONHOUND		WAGONHOUND LAND&LIVESTOCK	269-040-11	2/20/07	Loss	0.00	Single-Family Residential	1.52	0.00	1.52
07-100	COI WEICERGER ZOFIA		WEICERGER ZOFIA	395-342-15	7/23/07	Loss	0.00	Single-Family Residential	3.71	0.00	3.71
07-065	COI WIERS JAMES		WIERS, JAMES	239-151-27	3/9/07	Loss	0.00	Single-Family Residential	1.06	0.00	1.06
07-111	COI WILDER JOHN		WILDER JOHN	404-013-26 404-013-26	11/6/07	Loss	0.00	Single-Family Residential	0.75	0.00	0.75
07-062	COI23709066		DUNN, BRUCE	237-090-66	3/19/07	Loss	0.00	Single-Family Residential	0.85	0.00	0.85
07-051	COI26814011		GONZALES, ANDREW	268-140-11	3/8/07	Loss	0.00	Single-Family Residential	1.37	0.00	1.37
07-048	COI26917104		NESSSES, JEFFREY	269-171-04	4/13/07	Loss	0.00	Single-Family Residential	1.73	0.60	2.33
07-037	COI26917119		BUIE, ROBERT	269-171-19	5/17/07	Loss	0.00	Other	0.11	0.23	0.34
07-028	COI26918307		AGEE, MARK	269-183-07	4/6/07	Loss	0.00	Single-Family Residential	1.28	0.00	1.28
07-046	COI26920154		MENDEZ FAMILY TRUST	269-201-54	3/4/07	Loss	0.00	Single-Family Residential	0.39	0.00	0.39
07-019	COI27838223		SIMPSON GLENN	278-382-23	7/3/07	Loss	0.00	Single-Family Residential	1.00	0.00	1.00
07-017	COI28505228		HAMBURGER, RHONDA	285-052-28	8/13/07	Loss	0.00	Single-Family Residential	1.15	0.00	1.15
07-033	COI32701046		LYNCH, JOHN	327-010-46	5/18/07	Loss	0.00	Single-Family Residential	1.28	0.00	1.28
07-038	COI32701082		BURNS, ROBERTA	327-010-82	6/8/07	Loss	0.00	Single-Family Residential	0.68	0.00	0.68
07-015	COI32913212		BRZEZINSKI VICKI	329-132-12	8/17/07	Loss	0.00	Single-Family Residential	1.25	0.00	1.25
07-042	COI32914053		HEMPHILL, MICHAEL	329-140-53	4/27/07	Loss	0.00	Single-Family Residential	1.48	0.00	1.48

Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc. #	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Acres
07-030	COI37516035		CONNELLY, MISTY	375-160-35	3/2/07	Loss	0.00	Single-Family Residential	1.05	0.00	1.05
07-029	COI37516037		DENURE, DICK	375-160-37	4/6/07	Loss	0.00	Single-Family Residential	2.60	0.00	2.60
07-058	COI37730011		JONES, DANIEL	377-300-11	3/2/07	Loss	0.00	Single-Family Residential	0.97	0.00	0.97
07-023	COI37732010		MCLEAN WILLIAM	377-320-10	6/7/07	Loss	0.00	Single-Family Residential	1.13	0.00	1.13
07-036	COI38903016		PIES, RICK	389-030-16	6/9/07	Loss	0.00	Single-Family Residential	0.00	0.29	0.29
07-101	COI38909113		BlackHawk Development	389-091-13	9/25/07	Loss	0.00	Single-Family Residential	1.20	0.00	1.20
07-014	COI38909122		BLACKHAWK DEVELOPMENT	389-091-22	8/20/07	Loss	0.00	Single-Family Residential	1.00	0.00	1.00
07-018	COI38909123		BLACKHAWK DEVELOPMENT	389-091-23	8/9/07	Loss	0.00	Single-Family Residential	1.05	0.00	1.05
07-102	COI38909124		BlackHawk Development	389-091-24	9/12/07	Loss	0.00	Single-Family Residential	1.13	0.00	1.13
07-040	COI39202059		HUMPHREY, KINSEY	392-020-59	8/7/07	Loss	0.00	Single-Family Residential	5.61	0.00	5.61
07-054	COI39303023		SHIELDS, SCOTT	393-030-23	3/2/07	Loss	0.00	Single-Family Residential	1.77	0.00	1.77
07-035	COI39306023		TURVEY, MICAH	393-060-23	5/16/07	Loss	0.00	Single-Family Residential	0.78	0.00	0.78
07-016	COI39721028		GURNER WILLIAM	397-210-28	4/17/07	Loss	0.00	Single-Family Residential	0.38	0.06	0.44
07-032	COI40217033		HOY, TERRY	402-170-33	6/30/07	Loss	0.00	Single-Family Residential	1.61	0.00	1.61
07-110	COI40401323		WILDER JOHN	404-013-23	11/6/07	Loss	0.00	Single-Family Residential	0.91	0.00	0.91
07-134	PM 15654		Adlai Investors Inc	388-332-04	12/14/07	Loss	0.00	Single-Family Residential	3.06	0.14	3.20
07-001	PM 20312		Shufeldt, Alan	402-292-59 402-292-60 402-292-61	8/3/07	Loss	0.00	Single-Family Residential	4.22	0.00	4.22

Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc. #	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Acres
07-003	PM15524		Shoreline San Diego Inc.	395-151-76	3/2/07	Loss	0.00	Single-Family Residential	1.07	10.89	11.96
07-002	PM20250		Cox, Duane	267-060-28 267-060-29 267-060-36 **	5/7/07	Loss	0.00	Single-Family Residential	0.01	1.09	1.10
07-012	PM20255		Daoud, David	402-350-42 402-351-06	5/11/07	Loss	0.00	Single-Family Residential	1.15	8.26	9.41
07-006	PM20297		Giuffrida, Giulio	305-020-17	7/13/07	Loss	0.00	Single-Family Residential	1.62	0.00	1.62
Total for: North Metro-Lakeside-Jamul									87.02	22.99	110.01
07-011	PM15517		Sunroad Otay Partners L.P.	646-080-08	2/5/07	Loss	0.00	Single-Family Residential	44.52	2.41	46.93
Total for: South County									44.52	2.41	46.93
07-133	BP Turner		Turner, Paul	399-290-29	12/6/07	Loss	0.00	Single-Family Residential	0.15	0.17	0.32
07-112	COI ABBOTT TIMOTHY		ABBOTT TIMOTHY	599-200-51	11/9/07	Loss	0.00	Single-Family Residential	1.23	0.00	1.23
07-104	COI ALLOS MAYKL		ALLOS MAYKL	493-280-38	9/21/07	Loss	0.00	Single-Family Residential	0.70	0.00	0.70
07-094	COI BLACK HAWK DEVELOPMENT		BLACK HAWK DEVELOPMENT CO	520-350-01	9/13/07	Loss	0.00	Single-Family Residential	0.91	0.00	0.91
07-120	COI Bucaro		Bucaro, Biagio	596-071-32	8/23/07	Loss	0.00	Single-Family Residential	1.06	0.00	1.06
07-070	COI BUTEAU CRAIG		BUTEAU CRAIG	578-041-55	2/13/07	Loss	0.00	Single-Family Residential	0.62	0.00	0.62
07-125	COI Dias		Dias, Nick	570-230-56	6/28/07	Loss	0.00	Single-Family Residential	1.17	0.00	1.17
07-088	COI EDDY GABRIEL		EDDY GABRIEL	602-012-19	9/17/07	Loss	0.00	Single-Family Residential	4.41	0.00	4.41
07-068	COI FLORES ANA		FLORES ANA	599-062-14	3/1/07	Loss	0.00	Single-Family Residential	0.00	0.82	0.82

Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc. #	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Acres
07-127	COI Hamilton		Hamilton, Craig	522-120-64	10/24/07	Loss	0.00	Single-Family Residential	0.77	1.35	2.12
07-099	COI HAMILTON CRAIG		HAMILTON CRAIG	522-080-49	8/13/07	Loss	0.00	Single-Family Residential	0.00	0.60	0.60
07-129	COI Herrera		Herrera, Francisco & Wendy	522-042-17	9/28/07	Loss	0.00	Single-Family Residential	5.98	0.00	5.98
07-092	COI HESTER CHAD		HESTER CHAD	513-102-05	7/23/07	Loss	0.00	Single-Family Residential	1.87	0.00	1.87
07-090	COI JAMES WILLIAM		JAMES WILLIAM	520-302-15	9/7/07	Loss	0.00	Single-Family Residential	4.99	0.00	4.99
07-081	COI LANGARICA HERIBERTO		LANGARICA HERIBERTO	596-160-47	6/28/07	Loss	0.00	Single-Family Residential	1.83	0.00	1.83
07-108	COI LEWIS TIFFANY		LEWIS TIFFANY	513-120-45	6/13/07	Loss	0.00	Single-Family Residential	1.81	0.00	1.81
07-067	COI M&W DEVELOPMENT		M&W DEVELOPMENT	510-081-08	2/26/07	Loss	0.00	Single-Family Residential	1.85	0.00	1.85
07-105	COI MADY JAMES		MADY JAMES	404-441-21	9/18/07	Loss	0.00	Single-Family Residential	1.02	0.00	1.02
07-126	COI McDougal		McDougal Family Trust	515-082-59	12/3/07	Loss	0.00	Single-Family Residential	1.78	0.12	1.90
07-124	COI Miles		Miles, Edward	399-320-40	7/9/07	Loss	0.00	Single-Family Residential	0.58	0.01	0.59
07-085	COI PAGE DANIEL		PAGE DANIEL	399-400-27	2/15/07	Loss	0.00	Single-Family Residential	0.06	0.25	0.31
07-091	COI ROWLAND DAVID		COI ROWLAND DAVID	585-130-21	4/29/07	Loss	0.00	Single-Family Residential	0.00	0.29	0.29
07-064	COI SHAWSHANI GEORGE H		SHAWSHANI, GEORGE	597-280-06	2/1/07	Loss	0.00	Single-Family Residential	1.10	0.00	1.10
07-078	COI SHORTLEY JOHN		SHORTLEY JOHN	519-170-11	1/8/07	Loss	0.00	Single-Family Residential	0.00	1.58	1.58
07-096	COI SNELL PETER JON		SNELL PETER JON	596-062-59	6/7/07	Loss	0.00	Single-Family Residential	0.00	1.14	1.14
07-095	COI STEPHENS BARRY		STEPHENS BARRY	599-280-02	2/5/07	Loss	0.00	Single-Family Residential	0.69	0.27	0.96
07-103	COI STEVENSON ANDREW		STEVENSON ANDREW	599-062-30	9/21/07	Loss	0.00	Single-Family Residential	0.29	0.53	0.82

Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc. #	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Acres
07-115	COI TRESSLER DONALD		TRESSLER DONALD	650-060-33	9/10/07	Loss	0.00	Single-Family Residential	5.05	0.00	5.05
07-130	COI Vecchio		Vecchio, Daniele	519-040-44	12/7/07	Loss	0.00	Single-Family Residential	0.00	2.10	2.10
07-077	COI WHILLOCK MARK		WHILLOCK MARK	508-080-44	1/11/07	Loss	0.00	Single-Family Residential	0.00	0.44	0.44
07-116	COI WILKEY WILLIAM		WILKEY WILLIAM	404-270-03	11/28/07	Loss	0.00	Single-Family Residential	0.67	0.00	0.67
07-061	COI39612013		EXARHOS NICHOLAS	396-120-13	3/19/07	Loss	0.00	Single-Family Residential	0.73	0.00	0.73
07-021	COI40318218		HORTON JAMES	403-182-18	6/19/07	Loss	0.00	Single-Family Residential	2.49	0.00	2.49
07-049	COI40411132		LARSON, JEREMIAH	404-111-32	4/12/07	Loss	0.00	Single-Family Residential	3.36	0.00	3.36
07-044	COI50202252		SIAL, MUHAMMAD	502-022-52	3/13/07	Loss	0.00	Single-Family Residential	0.93	0.00	0.93
07-045	COI51306315		BALLA, LASZLO	513-063-15	3/13/07	Loss	0.00	Single-Family Residential	0.00	2.02	2.02
07-055	COI51307229		CARRILLO, DOMINGO	513-072-29	4/23/07	Loss	0.00	Single-Family Residential	0.49	1.06	1.54
07-020	COI51308022		MATTICK, RICHARD	513-080-22	6/19/07	Loss	0.00	Single-Family Residential	1.17	0.00	1.17
07-026	COI51702035		MASSEY, BRIAN	517-020-35	6/26/07	Loss	0.00	Single-Family Residential	1.53	0.00	1.53
07-056	COI52005015		STOVER FAMILY TRUST	520-050-15	4/20/07	Loss	0.00	Single-Family Residential	0.18	0.00	0.18
07-050	COI52030108		IMBUZAN, ATTILA	520-301-08	4/6/07	Loss	0.00	Single-Family Residential	4.16	0.00	4.16
07-024	COI52030202		CORBO JULIE	520-302-02	5/25/07	Loss	0.00	Single-Family Residential	2.07	0.00	2.07
07-031	COI52035002		BLACK HAWK DEVELOPMENT COMPANY L L C	520-350-02	6/5/07	Loss	0.00	Single-Family Residential	0.93	0.00	0.93
07-057	COI52211205		QUICK JOHN	522-112-05	4/17/07	Loss	0.00	Single-Family Residential	0.00	0.92	0.92
07-041	COI57904113		AJAMI, MICHAEL	579-041-13	5/1/07	Loss	0.00	Single-Family Residential	0.16	0.00	0.16

Project Tracking #	Project Name	Location	Applicant	APN	Date of Loss	Status	CEQA Doc. #	Activity Type	Acres Outside Habitat Preserve	Acres Inside Habitat Preserve	Acres
07-013	COI-59606231		SNELL PETER	596-062-31	2/8/07	Loss	0.00	Single-Family Residential	0.45	1.54	2.00
07-034	COI59902007		CONNELY, TODD	599-020-07	5/18/07	Loss	0.00	Single-Family Residential	1.27	0.00	1.27
07-039	COI59908017		STIGLITZ, JOHN	599-080-17	6/3/07	Loss	0.00	Single-Family Residential	0.73	0.00	0.73
07-052	COI59922105		SHILOAH SPRINGS BIBLE RETREAT INC	599-221-05	3/29/07	Loss	0.00	Commercial Recreation	0.78	0.00	0.76
07-053	COI59922106		LACOE, BRUCE	599-221-06	3/29/07	Loss	0.00	Commercial Recreation	0.40	0.00	0.40
07-027	COI64918016		LOPEZ, FRANCISCO	649-180-16	6/13/07	Loss	0.00	Single-Family Residential	1.14	0.00	1.14
07-119	PM 15644		Suncor Ambiance LLC	515-070-06 515-070-07	11/20/07	Loss	0.00	Single-Family Residential	19.52	0.00	19.52
07-109	PM15624		Petra Development LLC	502-022-54	9/21/07	Loss	0.00	Single-Family Residential	5.50	0.00	5.50
07-008	PM20303		Henning, Larry	501-041-19	7/20/07	Loss	0.00	Single-Family Residential	0.32	0.00	0.32
Total for: South Metro-Lakeside-Jamul									88.84	15.21	104.04
Total Acres Lost:									364.55	46.85	411.40

TABLE 8

Summary of Project Gains

Start Date: 1/1/2007

End Date: 12/31/2007

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
07-118	OS SD COUNTY 67807022		SD COUNTY	678-070-22	2/7/07	Gain	Local	Acquisition		9.01	8.38	17.39
07-009	PM15583		Lennar Homes Inc.	267-060-27 267-060-28 267-060-29 **	7/27/07	Gain	Private	Easement		16.92	0.00	16.92
07-005	PM20268		Centurion Artesian Trail Corp.	267-142-10	6/7/07	Gain	Local	Easement		0.00	3.71	3.71
Total for: Lake Hodges									0	25.93	12.09	38.02
07-060	COI32401067		HANEY, TIM		4/3/07	Gain	Private	Easement		0.00	3.83	3.83
07-040	COI39202059		HUMPHREY, KINSEY	392-020-59	8/7/07	Gain	Private	Easement		0.43	0.00	0.43
07-001	PM 20312		Shufeldt, Alan	402-292-60	8/3/07	Gain	Private	Easement		1.52	0.00	1.52
07-003	PM15524		Shoreline San Diego Inc.	395-151-75	3/2/07	Gain	Local	Easement		0.51	37.71	38.22
07-012	PM20255		Daoud, David	402-351-06	5/11/07	Gain	Private	Easement		0.00	14.79	14.79
07-006	PM20297		Giuffrida, Giulio	305-020-17	7/13/07	Gain	Private	Easement		6.91	0.00	6.91
07-007	PM20297		Giuffrida, Giulio	305-020-17	7/13/07	Gain	Private	Easement		0.32	0.00	0.32
Total for: North Metro-Lakeside-Jamul									0	9.69	56.32	66.01

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
07-008	PM20303		Henning, Larry	501-041-19	7/20/07	Gain	Private	Easement		0.73	0.00	0.73
Total for: South Metro-Lakeside-Jamul									0	0.73	0.00	0.73
Total Acres Conserved/Mitigation Bank Credits:									0	36.35	68.42	104.76

TABLE 9: Completed County Acquisitions Within Approved MSCP

Area and Property Name	Acres	Date Acquired	Actual Land Cost	Grant Funds	General Fund	South County Subarea	City of San Diego Subarea	City of Chula Vista Subarea
El Monte Valley, Stelzer (Pitchford)	3.29	08/24/06	\$75,000	\$0	\$75,000	x		
Escondido Creek, Polo	110.14	02/19/04	\$1,700,000	\$0	\$1,700,000	x		
Greenfield (Transfer from Olivenhain WD)	17.26	02/07/07	0	0	0	x		
Harbinson, Bahde	20.37	0/0/05	\$0	\$0	\$0	x		
Hollenbeck Canyon, Daley Ranch, Ph I	312.50	09/07/00	\$2,000,000	\$1,000,000	\$1,000,000	x		
Hollenbeck Canyon, Daley Ranch, Ph II	285.70	10/20/00				x		
Iron Mountain, Berkeley Hering	61.49	01/13/03	\$1,017,000	\$395,000	\$622,000	x		
Iron Mountain, Boulder Oaks	1,215.00	09/26/03	\$4,410,000	\$3,307,500	\$1,102,500	x		
Iron Mountain, Ramona Serena/ Barnett Ranch	716.50	01/25/02	\$4,440,000	\$2,000,000	\$2,440,000	x		
Iron Mountain, Reams Thomsen	40.00	01/21/03	\$180,000	\$180,000	\$0	x		
Lakeside, Arabo	9.06	10/29/99				x		
Lakeside, Ham	46.61	01/29/99	\$800,000	\$400,000	\$400,000	x		
Lakeside, HJMD	32.59	02/12/99	\$490,000	\$245,000	\$245,000	x		
Lakeside, Pavel	11.77	06/29/01	\$200,000	\$100,000	\$100,000	x		
Lakeside, Shuler	58.26	12/16/02	\$425,000	\$450,000	\$0	x		
Lakeside, United Brokers	8.73	12/27/00	\$153,000	\$76,500	\$76,500	x		
Lakeside, Yunis	13.28	01/29/99	\$270,000	\$135,000	\$135,000	x		
Lusardi Creek, Rancho Vista	97.19	09/02/99	\$1,845,500	\$922,750	\$922,750	x		
Lusardi Creek, Santa Fe Views	95.40	03/09/00	\$1,976,000	\$988,000	\$988,000	x		
McGinty Mountain	20.34	12/02/05				x		
Otay River Valley Park, Furby North	83.00	06/05/03	\$1,296,600	\$0	\$1,296,600		x	
Otay River Valley Park, Georgiana Smith	90.19	09/21/04	\$2,611,000	\$2,611,000		x		
Otay River Valley Park, Greg Smith	101.33	06/16/04	\$3,243,000	\$3,243,000		x		
Otay River Valley Park, Grindle	7.60	04/13/05	\$91,200	\$91,200	\$0	x		
Otay River Valley Park, Hirlinger-Baker	6.32	02/04/03					x	

Area and Property Name	Acres	Date Acquired	Actual Land Cost	Grant Funds	General Fund	South County Subarea	City of San Diego Subarea	City of Chula Vista Subarea
Otay River Valley Park, Kimball	16.30	03/23/05	\$196,000	\$196,000	\$0	x		
Otay River Valley Park, Lanzetta	5.00	04/12/05	\$125,000	\$125,000	\$0		x	
Otay River Valley Park, Malcolm	0.99	01/16/01	\$46,000	\$46,000	\$0		x	
Otay River Valley Park, Munson Otay	19.82	06/25/03	\$13,300	\$13,300	\$0		x	
Otay River Valley Park, O Brien	8.18	06/07/01	\$205,500	\$102,724	\$102,776		x	
Otay River Valley Park, Otay Land	113.10	02/28/06	\$1,490,000	\$1,490,000	\$0			x
Otay River Valley Park, Sandoval	12.72	02/10/06	\$700,000	\$700,000	\$0		x	
Otay River Valley Park, Takashima	10.13	04/17/03	\$253,250	\$253,250	\$0			x
Tijuana River Valley, Arietta	39.83	06/15/98	\$478,000	\$478,000	\$0		x	
Tijuana River Valley, Calmat Option Final	28.10	12/14/99	\$208,837	\$208,837	\$0		x	
Tijuana River Valley, Calmat Option I	220.09	05/19/98	\$1,668,481	\$1,668,481	\$0		x	
Tijuana River Valley, Dairy Mart Ponds	60.00	10/03/05	\$0	\$0	\$0		x	
Tijuana River Valley, Hanson	75.59	12/20/02	\$1,387,500	\$0	\$1,387,500		x	
Tijuana River Valley, Horwin	20.34	12/10/03	\$365,000	\$365,000	\$0		x	
Tijuana River Valley, Nelson Sloan	141.71	06/25/03	\$986,700	\$986,700	\$0		x	
Tijuana River Valley, Piper/Shelton	140.00	05/30/00	\$1,752,750	\$1,252,750	\$500,000		x	
Tijuana River Valley, Scripps/Furby	63.93	06/05/03	\$1,203,400	\$0	\$1,203,400		x	
Tijuana River Valley, Skibbe	10.84	05/01/02	\$485,000	\$485,000	\$0		x	
Tijuana River Valley, West/Dymott	41.00	01/08/98	\$410,000	\$410,000	\$0		x	
Wright's Field, Alpine School Dist.	40.00	07/27/00	\$0	\$0	\$0	x		
Wright's Field, Apollo	120.00	09/23/03	\$1,800,000	\$1,000,000	\$800,000	x		
Wright's Field, Findel Ranch	30.00	09/16/02	\$500,000	\$0	\$500,000	x		
Wright's Field, Union Bank	38.70	07/27/00	\$356,633	\$208,437	\$148,196	x		
Total Acquisitions Within Approved MSCP:	4720.29		\$41,854,651	\$26,134,429	\$15,745,222			
Total 2007 Acquisitions Within Approved MSCP:	17.26		\$0	\$0	\$0			

TABLE 10: Completed County Acquisitions Within Unapproved MSCP

Area and Property Name	Acres	Date Acquired	Actual Land Cost	Grant Funds	General Fund	North County MSCP	East County MSCP	Other Subareas
Borrego, Old Springs	161.00	11/14/03	\$120,000	\$0	\$120,000		x	
Borrego, Peg Leg	163.36	04/08/04	\$130,000	\$0	\$160,000		x	
Escondido Creek, Derbas	345.00	04/29/04	\$4,500,000	\$3,125,000	\$1,375,000	x		
Escondido Creek, Fontanini	18.92	09/05/03	\$384,000	\$339,955	\$44,045	x		
Escondido Creek, Georgeson	8.29	12/12/01	\$248,700	\$248,700	\$0	x		
Escondido Creek, Hewitt	23.24	12/07/01	\$441,500	\$441,500	\$0	x		
Escondido Creek, Manchester	18.90	09/27/02	\$1,800,000	\$1,800,000	\$0	x		
Escondido Creek, Meyerhoff/Yale	23.84	03/15/02	\$1,000,000	\$1,000,000	\$0	x		
Escondido Creek, Rohan	12.43	03/19/02	\$550,000	\$550,000	\$0	x		
Escondido Creek, The Escondido Creek Conservancy	30.92	06/10/05	\$480,000	\$349,256	\$130,744	x		
Escondido Creek, Tunstall	27.37	08/19/03	\$574,350	\$508,472	\$65,878	x		
Hellhole Canyon, Hellhole / Brown	154.64	05/20/05	\$413,025	\$313,025	\$100,000	x		
Hellhole Canyon (Pulver)	43.24	06/26/07	\$616,000		\$616,000	x		
Julian, Nielsen	20.00	04/20/04	\$235,000		\$235,000		x	
Mt. Olympus, Wallace	4.79	12/20/02	\$160,000	\$0	\$160,000	x		
Potrero, Ramseyer	10.60	10/25/05	\$42,000	\$0	\$42,000		x	
Ramona Grasslands, Cagney	390.37	08/22/06	\$3,000,000	\$2,586,415	\$413,585	x		
Ramona Grasslands, Dorroh	2.81	07/18/06	\$0	\$0	\$0	x		
Ramona Grasslands, Hardy Ranch	70.00	11/15/04	\$980,000	\$350,000	\$630,000	x		
San Elijo, R. Santa Fe Bridge mitigation	8.97	05/17/06	\$0	\$0	\$0	x		
San Luis Rey, Vessels	116.56	12/30/05	\$3,200,000	\$0	\$3,200,000	x		
Santa Margarita (Twaddle)	47.20	10/17/07	\$780,000	\$390,000	\$390,000	x		
Santa Ysabel, Santa Ysabel	5,406.00	12/26/01	\$9,100,000	\$9,100,000	\$0		x	
Tijuana River Valley, Seacoast/Weiser/Tong	0.25	12/26/03	\$20,500	\$20,500	\$0			x
Total Acquisitions Within Unapproved MSCP:	7108.70		\$28,775,075	\$21,122,823	\$7,682,252			

Total 2007 Acquisitions Within <i>Unapproved</i> MSCP:	90.44		\$1,396,000	\$390,000	\$1,006,000	
---	-------	--	-------------	-----------	-------------	--

FIGURE 2a: Cumulative Preserve Status, Metro-Lakeside-Jamul Segment North

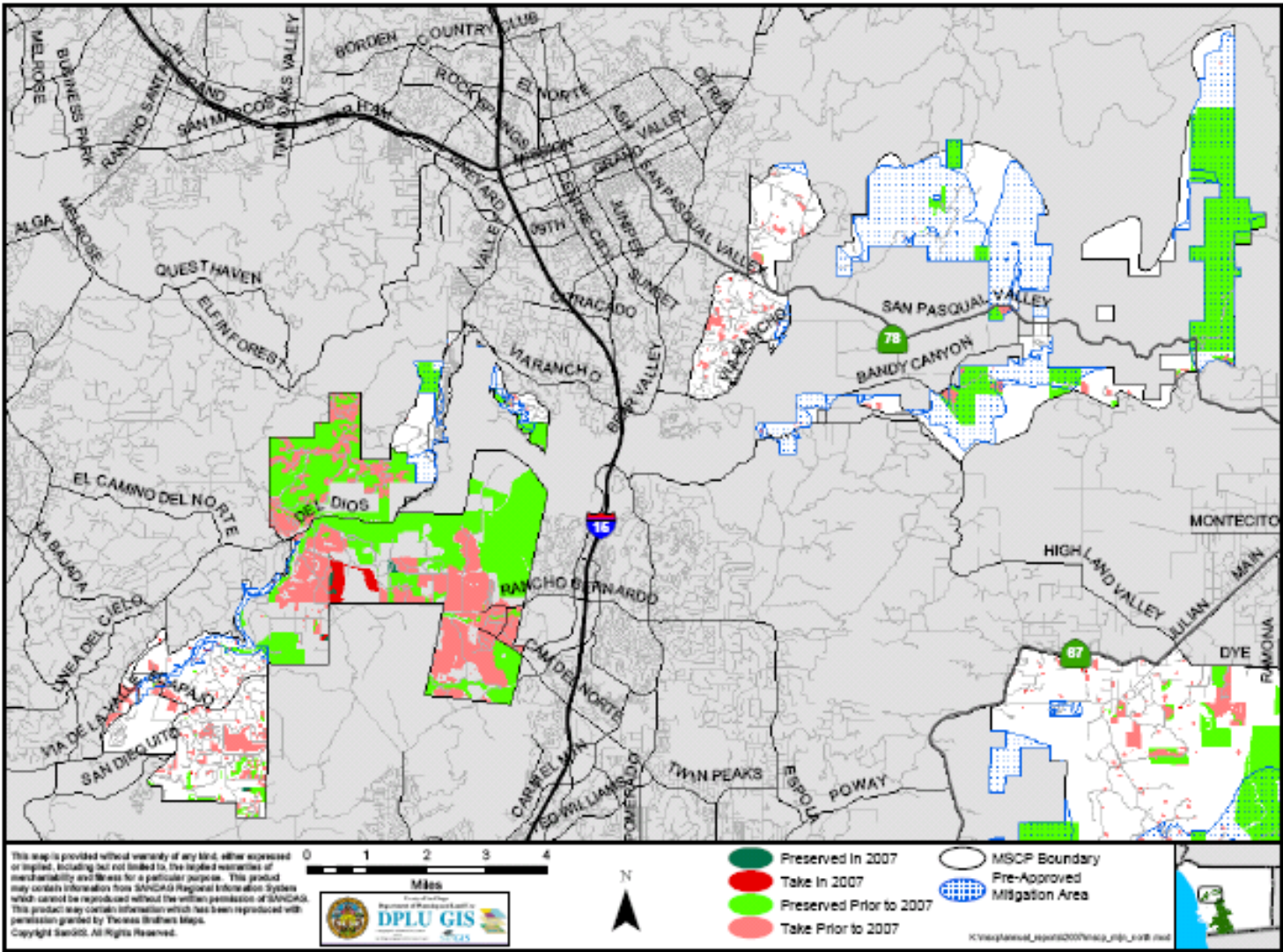


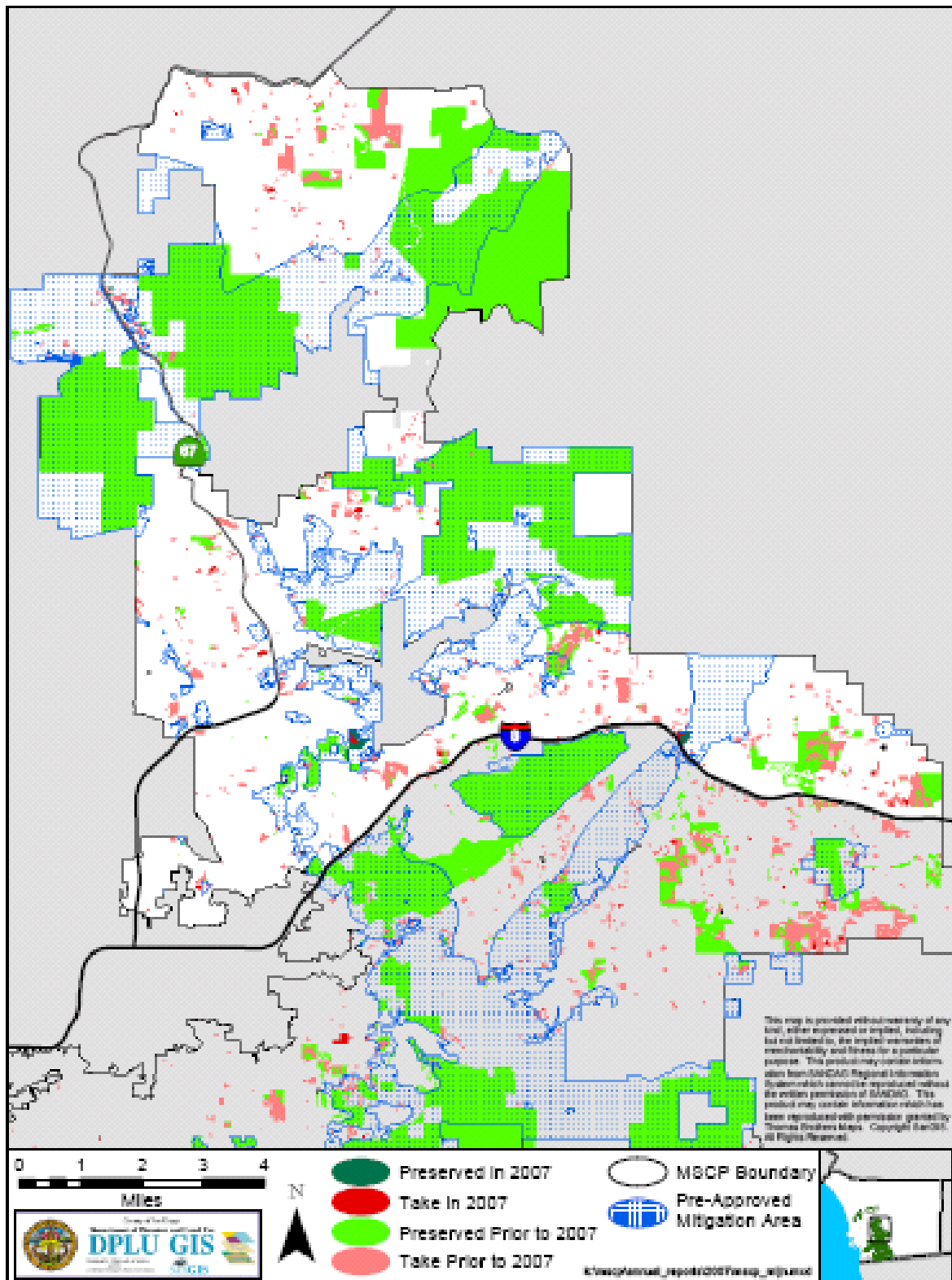
FIGURE 2b: Cumulative Preserve Status, Metro-Lakeside-Jamul Segment North

FIGURE 2c: Cumulative Preserve Status, Metro-Lakeside-Jamul Segment South

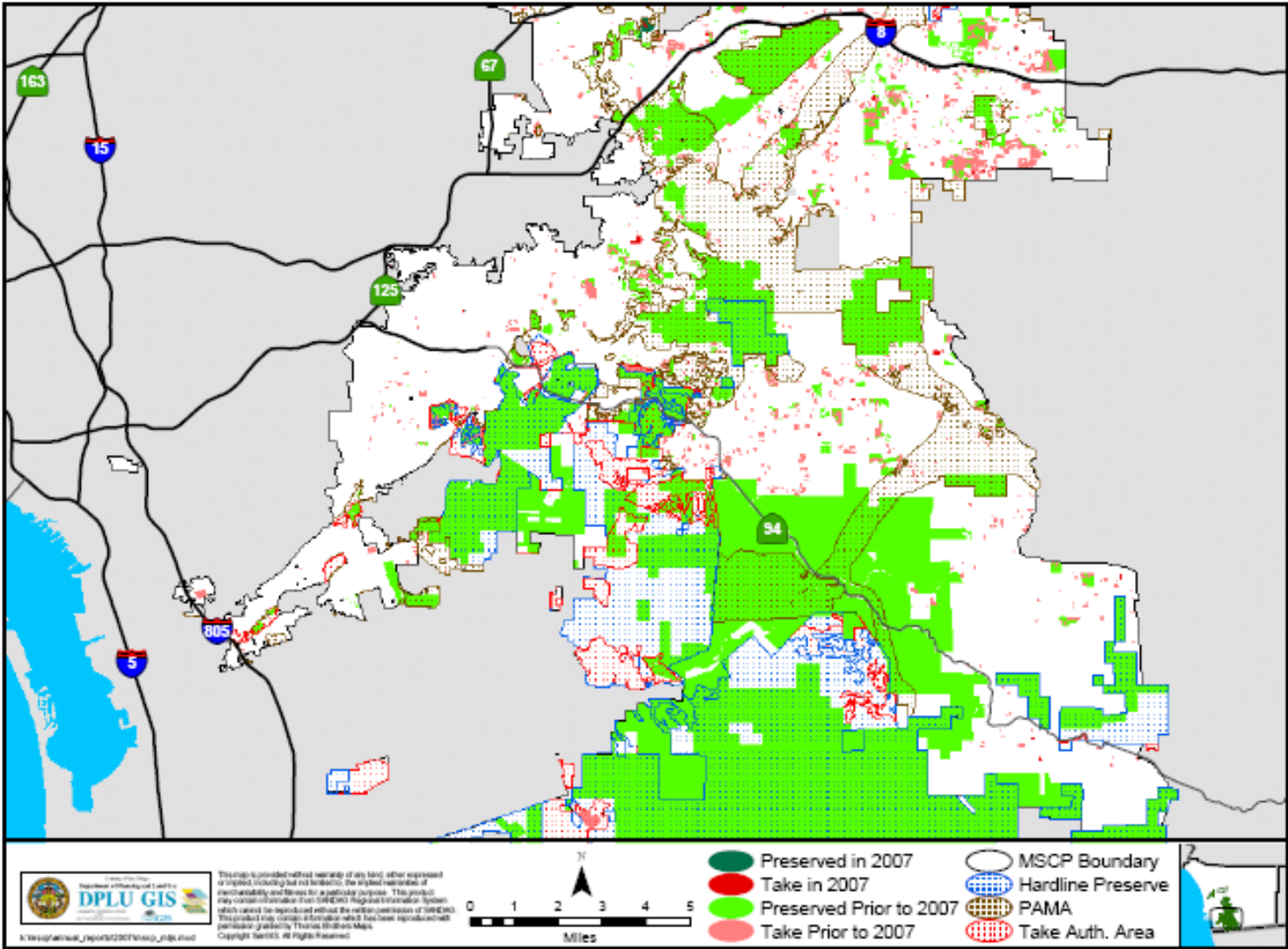


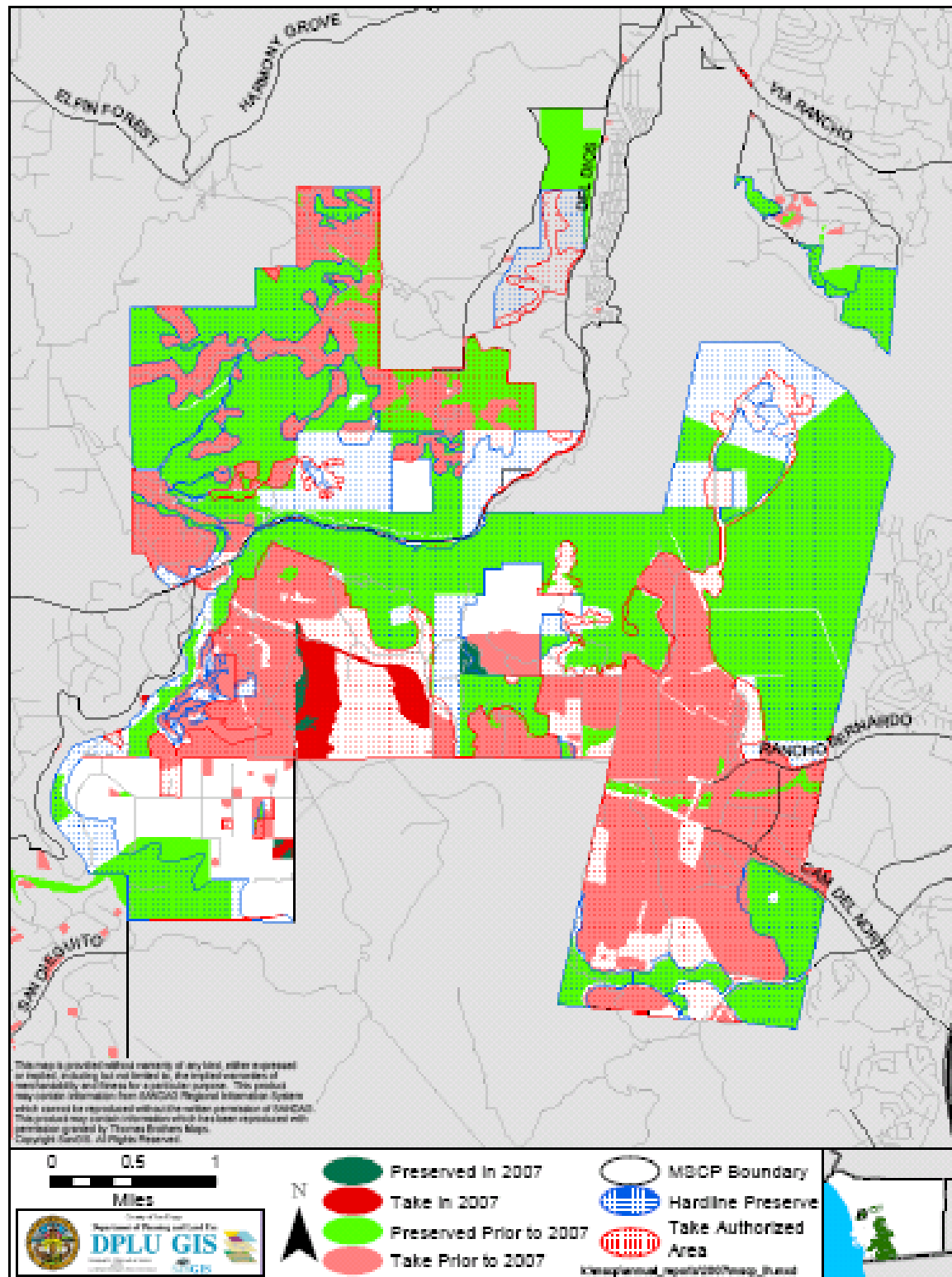
FIGURE 3: Cumulative Preserve Status, Lake Hodges Segment

FIGURE 4: Cumulative Preserve Status, South County Segment

