



**Multiple Species  
Conservation Program**

---

**City of San Diego  
MSCP Subarea Plan**

**March 1997**



Prepared by the City of San Diego  
Community and Economic Development Department

---

# **MULTIPLE SPECIES CONSERVATION PROGRAM**

---

**City of San Diego  
MSCP Subarea Plan**

**March 1997**



Printed on recycled paper.

This information, or this document (or portions thereof), will be made available in alternative formats upon request.



### ***MAYOR***

Susan Golding

### ***COUNCIL***

Harry Mathis  
Byron Wear  
Christine Kehoe  
George Stevens  
Barbara Warden  
Valerie Stallings  
Judy McCarty  
Juan Carlos Vargas

### ***CITY ATTORNEY***

Casey Gwinn

### ***CITY MANAGER***

Jack McGrory

### ***PLANNING COMMISSION***

Christopher Neils, Chairperson  
William Anderson, Vice Chairperson  
Patricia Butler  
Verna Quinn  
Andrea Skorepa  
Frisco White  
David Watson

### ***CITY STAFF***

#### ***COMMUNITY AND ECONOMIC DEVELOPMENT***

Kurt Chilcott, Community and Economic Development Manager  
Tom Story, Deputy Director, Multiple Species Conservation Program (MSCP)  
Mary Ladiana, Senior Planner, MSCP  
Sandra Cleisz, Associate Planner, MSCP  
Keith Greer, Associate Planner, MSCP  
Contributions by: Meryl Balko, Ann Hix, Jeff Harkness, Robin Stribley, Kent Floro

#### **MSCP Consultant Team**

Jerre Stallcup, Ogden  
Jun Onaka, OPE  
Patrick Atchison, Ogden

### ***CITY ATTORNEY***

Richard A. Duvernay, Deputy City Attorney

### ***SUPPORT SERVICES***

#### **Graphic Design**

Marilyn Millikan, Graphic Design Supervisor  
Lisa Goehring, Graphic Designer  
Sam Riordan, Graphic Designer

#### **Mapping**

Leo de Jesus – Principal Engineering Aide  
Janet Atha, Senior Drafting Aide

#### **Word Processing Operator, Printing**

Sabrina Lozano, Senior Clerk Typist

# Table of Contents

1.1 INTRODUCTION .....	1
1.1.1 Boundary Adjustments .....	1
1.2 DESCRIPTION OF SUBAREA .....	2
1.2.1 Southern Area .....	5
1.2.2 Eastern Area .....	14
1.2.3 Urban Areas .....	18
1.2.4 Northern Area .....	21
1.2.5 Cornerstone Lands and San Pasqual Valley .....	28
1.3 COVERED SPECIES LIST .....	41
1.4 LAND USE CONSIDERATIONS .....	43
1.4.1 Compatible Land Uses .....	43
1.4.2 General Planning Policies and Design Guidelines .....	43
1.4.3 Land Use Adjacency Guidelines .....	47
1.5 FRAMEWORK MANAGEMENT PLAN .....	49
1.5.1 Management Goals and Objectives .....	49
1.5.2 General Management Directives .....	51
1.5.3 Specific Management Policies, Directives - Otay Mesa Area .....	56
1.5.4 Specific Management Policies, Directives - Otay River Valley .....	61
1.5.5 Specific Management Policies, Directives - Tijuana River Valley .....	63
1.5.6 Specific Management Policies, Directives - Eastern Area .....	69
1.5.7 Specific Management Policies, Directives - Urban Habitat Lands .....	72
1.5.8 Specific Management Policies, Directives - Northern Area .....	74
1.5.9 Specific Management Policies, Directives - Lake Hodges, San Pasqual Valley .....	86
1.5.10 Specific Management Policies and Directives - Other Cornerstone Lands .....	94
1.5.11 Vernal Pool Management Guidelines .....	95
1.5.12 Fire Management Guidelines .....	95
1.5.13 Monitoring Plan .....	96
1.5.14 Research Opportunities for the Academic and Professional .....	96
1.6 PROTECTION OF RESOURCES .....	97
1.6.1 Interim Protection .....	97
1.6.2 Permanent Protection .....	98
1.6.2 Mitigation Plan .....	99
1.6.4 Conservation Estimates .....	100
1.6.5 Take Estimates .....	101
1.7 MSCP IMPLEMENTATION FUNDING .....	101
APPENDIX A. SPECIES EVALUATED FOR COVERAGE UNDER THE MSCP .....	107

## *List of Figures*

Figure 1.	City of San Diego MHPA.....	6
Figure 2.	Conserved Vegetation Communities in Southern Area.....	13
Figure 3.	Conserved Vegetation Communities in Eastern Area.....	17
Figure 4.	Conserved Vegetation Communities in Urban Areas.....	20
Figure 5.	Conserved Vegetation Communities in Northern Area.....	25
Figure 6.	City of San Diego Cornerstone Lands and San Pasqual Valley.....	30
Figure 7.	Conserved Vegetation Communities - Hodges Cornerstone Lands and San Pasqual Valley.....	34
Figure 8.	Otay Lakes Cornerstone Lands with Vegetation Communities Identified.....	36
Figure 9.	San Vicente Cornerstone Lands with Vegetation Communities Identified.....	39
Figure 10.	Marron Valley Cornerstone Lands with Vegetation Communities Identified.....	40
Figure 11.	Preserve Management: Specific Management Recommendations, Priority 1, City of San Diego MHPA - Southern Area.....	60
Figure 12.	Preserve Management: Specific Management Recommendations, Priority 1, City of San Diego MHPA - Eastern Area.....	73
Figure 13.	Preserve Management: Specific Management Recommendations, Priority 1, City of San Diego MHPA - Northern Area.....	78
Figure 14.	Preserve Management: Specific Management Recommendations, Priority 1, City of San Diego MHPA - Northern Area.....	90

## *List of Tables*

Table 1.	Vegetation Community Acres Conserved in City of San Diego Areas, Cornerstone Lands and San Pasqual Valley.....	4
Table 2.	Estimated Habitat Loss ("Take") Acres Within City of San Diego Subarea.....	103