



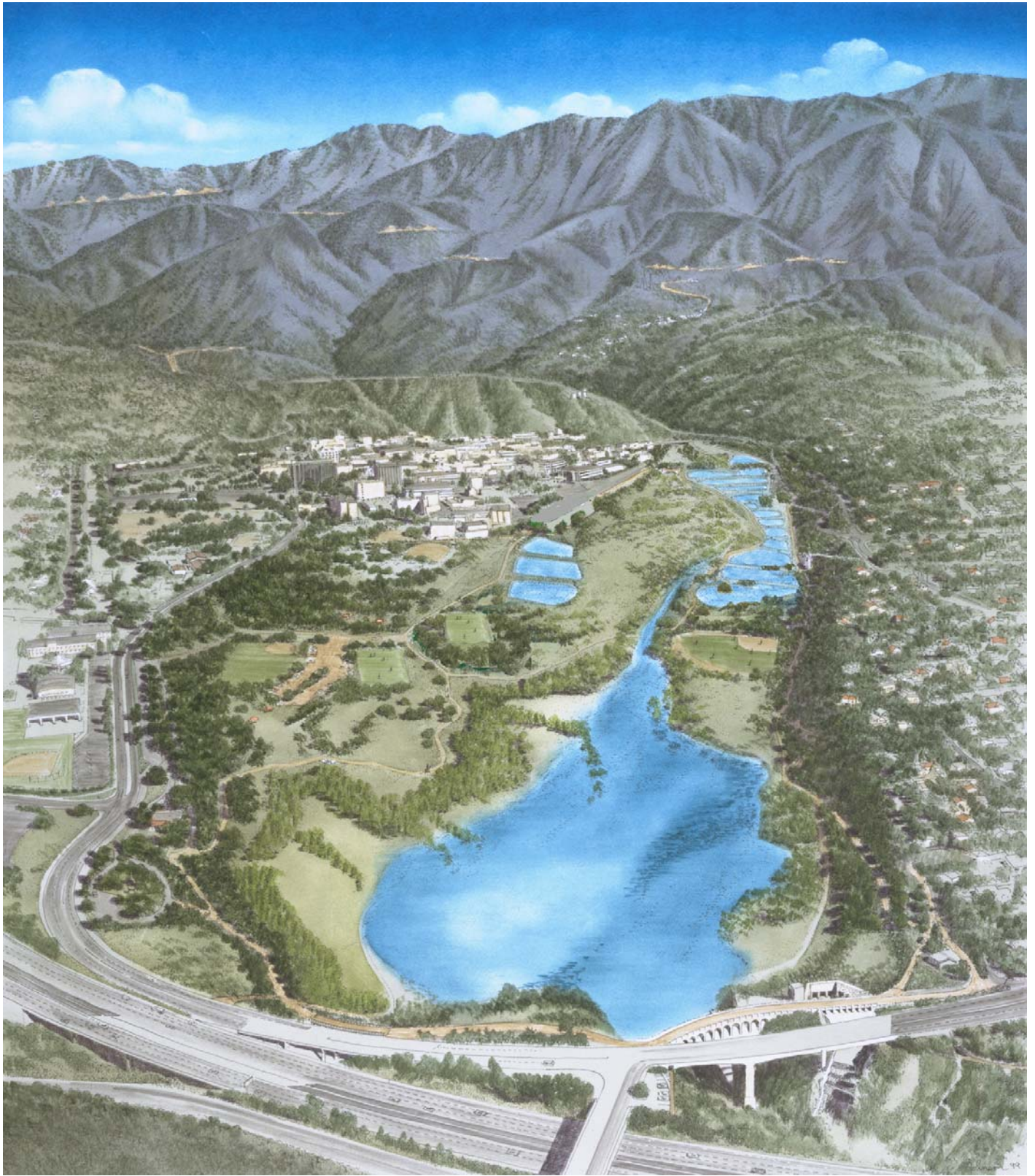
THE CITY OF PASADENA

HAHAMONGNA WATERSHED PARK MASTER PLAN

Adopted: September 29, 2003

The Arroyo Seco Master Plans consist
of the following:

Hahamongna Watershed Park Master Plan
Central Arroyo Master Plan
Lower Arroyo Master Plan
Rose Bowl Use Plan
Arroyo Seco Design Guidelines



*Hahamongna Watershed Park
During the winter months with storm water held
Behind Devil's Gate Dam*

HAHAMONGNA WATERSHED PARK MASTER PLAN

Hahamongna Watershed Park Advisory Committee

Tom Selinske, *Chair*

Gregor Edwards	Jody Gerstner	Frank S. Osen
Vannia de la Cuba	Michael Hurley	Elizabeth Pomeroy
Joe Feinblatt	Mildred Hawkins	Bill Ukropina
Anita Fromholz	Pixie Boyden	Maria Isenberger

Past Committee Members

Denise Alvarado	Pam Garcia	Ramon Ocegüera
Roy Begley	Greg Jones	Tony Santilena
Eugene Brooks	Mark Nelson	Tom Seifert, <i>Former Chair</i>
Jarratt Brunson	Omel Nieves	Dr. Ron Williams
Jeffery Commons	Phil Novelly	Katherine Luna
Mary Freeman	Henreen Nunley	John Evans

City of Pasadena

Department of Public Works Parks and Natural Resources Division

Martin Pastucha, *Director*

Robert C. Baderian, *Past Assistant to the City Manager*

Julie Gutierrez, *Past Director*

Kathy Woods, *Parks and Natural Resources Administrator*

Rosa Laveaga, *Arroyo Seco Park Supervisor, Project Manager*

John Cox, *Assistant Project Manager*

Pasadena Water & Power

Phyllis Currie, *General Manager*

Rufus Hightower, *Past General Manager*

Brad Boman, *Principal Civil Engineer*

Gary Takara, *Civil Engineer*

Raul Garibay, *Civil Engineer*

Master Plan Consultant Team

Takata Associates, *Landscape Architecture, Lead Consultant*

Philip Williams Associates, *Hydrology & Geomorphology*

Hintz & Balvin, *Community Outreach*

The Natelson Company, Inc., *Finance*

Miralles Associates, *Architecture*

Montgomery Watson, *Civil & Environmental Engineering*

Beth Thielen, *Artist*
Parsons Engineering Sciences, *Biology*
Hunt Design Associates, *Graphic Design*

Cover art by: rhandi

TABLE OF CONTENTS

<i>Section</i>	<i>Page</i>
1.0 INTRODUCTION	1-1
1.1 Regional Context	1-1
1.2 Relationship to the General Plan	1-5
1.3 Project History	1-5
1.4 Recent Planning	1-9
1.5 The Guiding Principles for the Arroyo Seco.....	1-11
1.6 Goals & Objectives of the Hahamongna Watershed Park Master Plan.....	1-12
1.7 Report Organization	1-16
2.0 EXISTING CONDITIONS, ISSUES & OPPORTUNITIES	2-1
2.1 Ownership, Easements & Jurisdiction	2-2
2.2 Zoning & Land Use	2-6
2.3 Natural Environment	2-6
2.4 Flood Management	2-27
2.5 Sediment Delivery & Management	2-32
2.6 Water Conservation	2-34
2.7 Utilities	2-37
2.8 Circulation	2-48
2.9 Parking	2-54
2.10 Existing Recreation	2-56
2.11 Cultural & Archeological Resources	2-58
2.12 Summary of Community Outreach	2-61
2.13 Signage & Graphics	2-66
2.14 Issues & Opportunities	2-68
3.0 HAHAMONGNA WATERSHED PARK MASTER PLAN	3-1
3.1 Water Resources Management	3-1
3.2 Conceptual Grading Plan	3-11
3.3 Habitat Restoration	3-16
3.4 Recreation Trails	3-42
3.5 West Side & Oak Grove Area Improvements.....	3-49
3.6 East Side Park Improvements	3-55
3.7 Circulation & Parking	3-56
3.8 Utilities & Infrastructure	3-61
3.9 Safety, Security & Accessibility	3-68
3.10 Programs	3-70
4.0 IMPLEMENTATION OF THE MASTER PLAN	4-1
4.1 Implementation Plan	4-1
4.2 Water Resources Commission.....	4-8
4.3 Environmental Requirements.....	4-8

APPENDIX A: Master Plan Concepts and Alternatives	A-1
A.1 Master Plan Concepts	A-1
A.2 Disc Golf Alternative	A-4
A.3 Parking Structure Alternatives	A-6
A.4 Northern Bridge of Perimeter Trail Alternatives	A-6
A.5 Windsor/Ventura Entrance Alternatives.....	A-9
A.6 Berkshire Entrance Alternatives	A-11
A.7 Dam Keeper’s Quarters... ..	A-11
APPENDIX B: Biological Inventories	B-1
B.1 Vascular Plants Observed at Hahamongna Watershed Park	B-1
B.2 Terrestrial Vertebrate Animals of Hahamongna Watershed Park & Nearby Areas With Similar Habitats	B-11
B.3 References	B-23
APPENDIX C: Plant Community Palettes	C-1
C.1 Coast Live Oak Woodland	C-1
C.2 Southern Willow Scrub	C-2
C.3 Mule Fat Scrub	C-3
C.4 Riversidean Alluvial Fan Sage Scrub	C-4
C.5 Coastal Sage & Chapparral Scrub	C-5
C.6 Southern Sycamore Riparian Woodland	C-7
APPENDIX D: Water Data: Needs & Costs	D-1
APPENDIX E: Master Plan Project Descriptions	E-1
APPENDIX F: Technical Report on Athletic Fields	F-1