

OPEN SPACE AND DEVELOPMENT IN THE BAY AREA:

Focus on the East Bay

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Senior Seminar
Environmental Sciences Group Major
University of California, Berkeley

June 1985

ACKNOWLEDGMENTS

The members of the class wish to thank the following people for contributing their time and assistance to this project:

Val Alexeff, Planner, City of Clayton and City of Antioch.

Stephen F. Bailey, Collections Manager, California Academy of Sciences, San Francisco, CA.

Andrew Cohen, Environmental Sciences graduate, University of California, Berkeley, CA.

Dr. Robert C. Cooper, Professor, Biomedical and Environmental Health Sciences, University of California, Berkeley, CA.

Kathy Cuneo, Doctoral Candidate, Environmental Planning, University of California, Berkeley, CA.

Jim Cutler, Chief Comprehensive Planner, Contra Costa County, CA.

Charli Danielson, Nursery Manager, DAWN, Berkeley, CA.

Wendy Eliot, Project Analyst, State Coastal Conservancy, Oakland, CA.

Mark Evanoff, Field Organizer, People for Open Space, San Francisco, CA.

Phyllis Faber, Botanist, Mill Valley, CA.

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Chuck Gabrysiak, Principal Planner, City of Concord, CA.

Jeff Georgeovich, Environmental Review Officer, Metropolitan Transportation Commission, Oakland, CA.

John Glenn, Member, Board of Directors, Bay Area Rapid Transit District, Oakland, CA.

Harley Goldstrom, Associate Planner, City of Walnut Creek, CA.

Jim Hemmann, President, Jim Hemmann Associates, Alameda, CA.

Bruce Jacobbsen, Lab Technician, Sanitary Engineering, University of California, Berkeley, CA.

Norman LaForce, Chairman, East Bay Shoreline Committee, Sierra Club, Oakland, CA.

Dennis Leonard, Community Development Director, Union City Planning Commission, Union City, CA.

Veda Lewis, Environmental Planner, State of California Department of Transportation, San Francisco, CA.

Margery Macris, Planning Director, City of Berkeley, CA.

Dewey Mansfield, Executive Officer, Contra Costa County LAFCO, Martinez, CA.

Kimla McDonald, Staff, Save San Francisco Bay Association, Berkeley, CA.

Carolyn Mills, Environmental consultant, CMA, Lafayette, CA.

Bill Montgomery, Superintendent, Parks - Marina Division, City of Berkeley, CA.

(cont.)

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Yvonne San Jule, Planning and Budget Coordinator, Association of Bay Area Governments, Oakland, CA.
Don Schwartz, Project Assistant, Integrated Environmental Management Project, EPA, San Francisco, CA.
Laura Selfridge, Secretary, Thousand Friends of Contra Costa, Richmond, CA.
Jake Sloan, Vice-President, Jefferson Associates, Oakland, CA.
William Sturm, Librarian, Oakland History Room, Oakland Public Library, Oakland, CA.
Nancy Wakeman, Permit Chief, Bay Conservation and Development Commission, San Francisco, CA.

ENVIRONMENTAL SCIENCES AT U.C. BERKELEY

The Environmental Sciences group major was created in 1970 in response to the need for an undergraduate program that addresses the wide scope of environmental problems. The students' first years in the program are spent acquiring a solid base of knowledge in mathematics, physics, chemistry and biology. In the last two years the emphasis is on the interdependence of environmental effects, on legal parameters and social consequences. The program culminates in the Senior Seminar, a year-long group study of a subject of environmental concern.

Under the guise of progress, cities are rapidly consuming the Bay Area's open space. "Development" has been used as a justification for nearly all forms of urban growth. The Environmental Science seminar has taken a more critical perspective on development. Development and conservation of open space are not necessarily opposing goals. The two can work together to meet the needs of humankind while minimizing environmental disruptions. With this in mind, the Senior Seminar is combining development and open space issues in the following report.

The following students contributed both their time and effort to this project:

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Elisabeth A. Fishman	Conrad Reining
Mike Greenblatt	Jack Salazar
Ellen Hay	Joseph Samoy
Amy Hu	Stuart Siegel
James L. Machado	

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SECTION I

THE EASTSHORE WATERFRONT

A. THE HOFFMAN MARSH AND GOLDEN GATE FIELDS

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A Study of Marsh Restoration
--Stuart Siegel
- Chapter 2. Vegetation of the Hoffman Marsh before
the Restoration Project of 1984
--Darrin Craig
- Chapter 3. An Ornithological Study of the
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--Ellen Hay
- Chapter 4. Soil Analysis of the Hoffman Marsh
James L. Machado
- Chapter 5. Soil Quality of Buchanan Street Marsh:
Soil Factors Important to Salt Marsh Creation
--Semantha J. Davisson

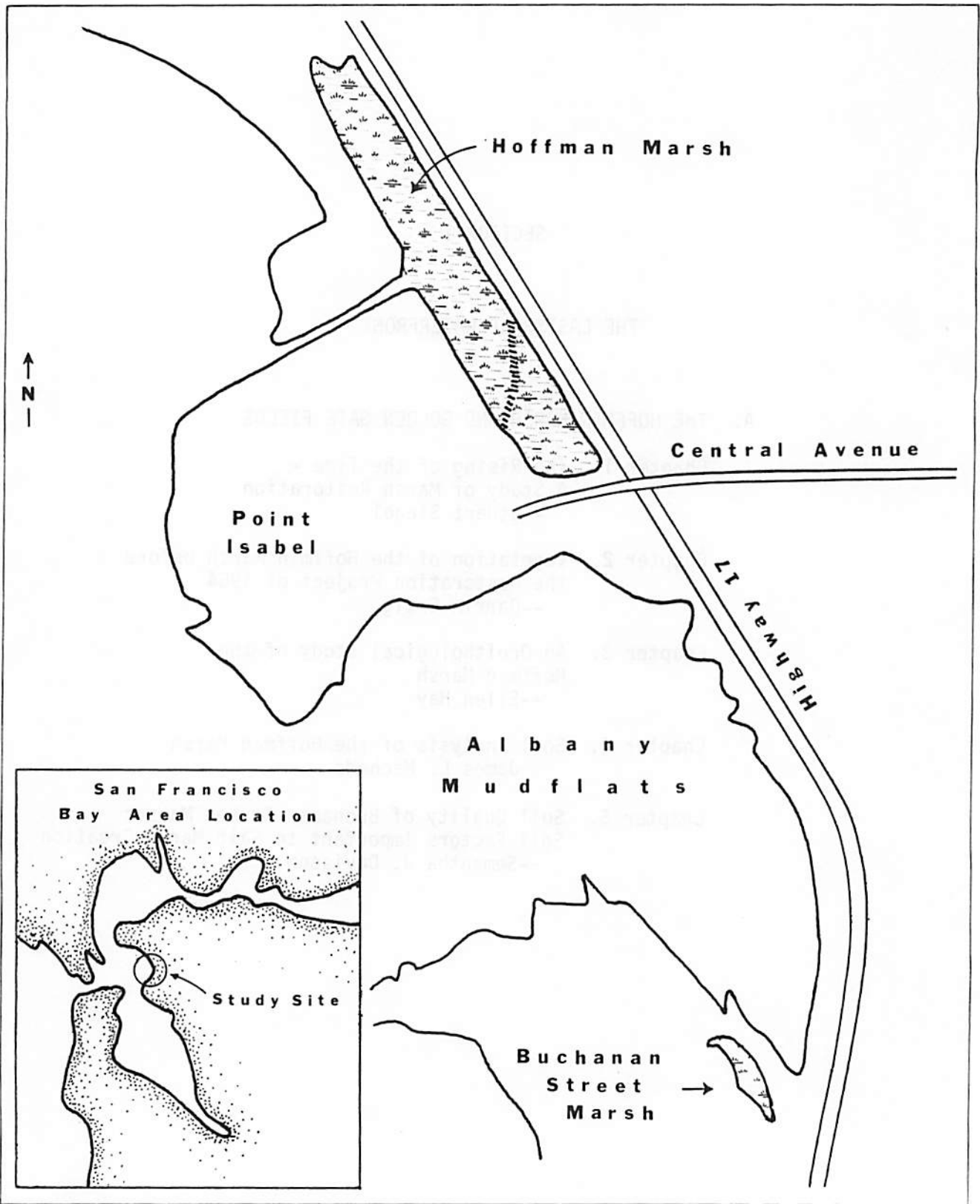


Figure 1. Regional Setting of Hoffman Marsh and Buchanan Street Marsh.
 Base Map: URS, 1973.