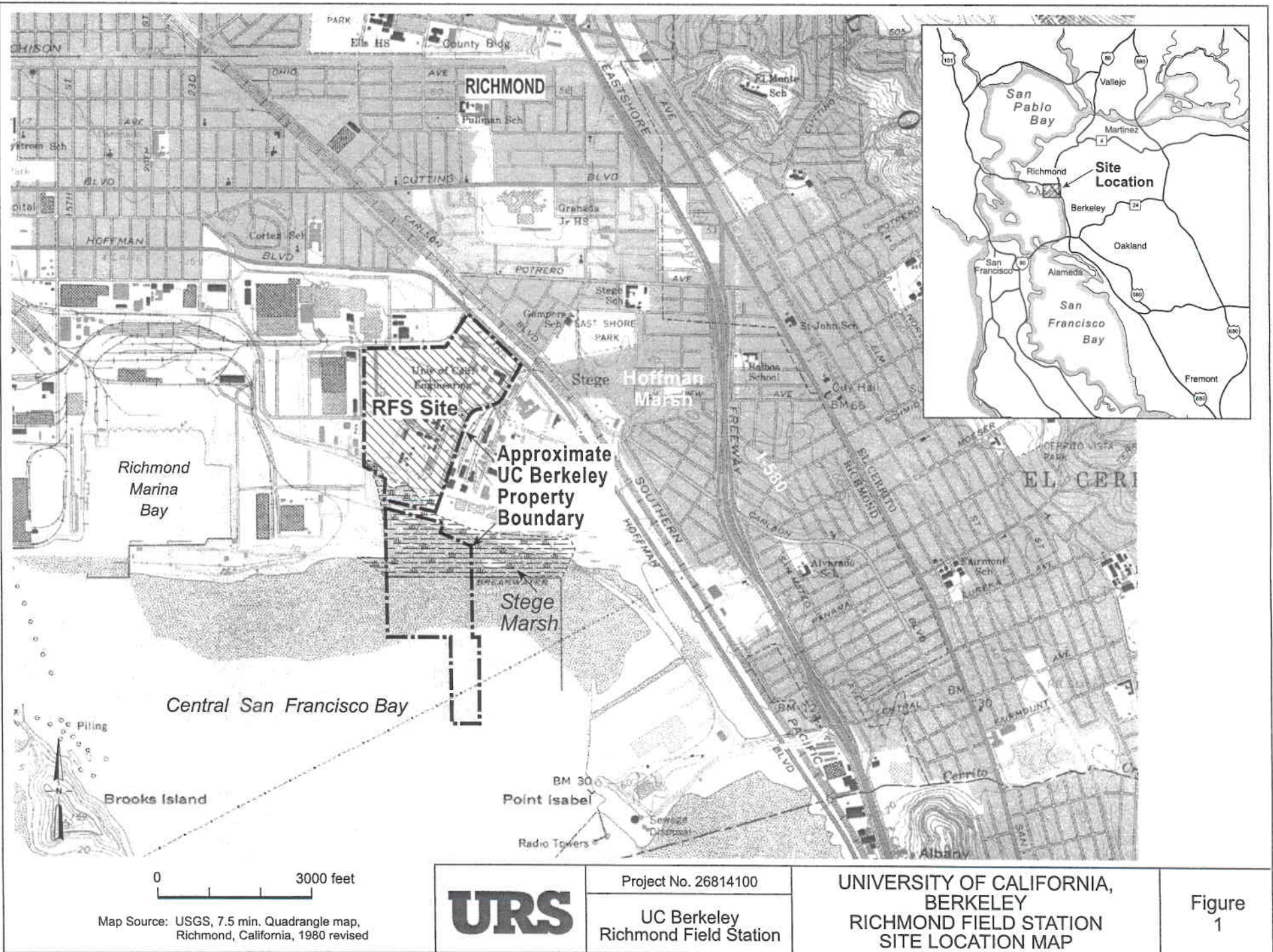
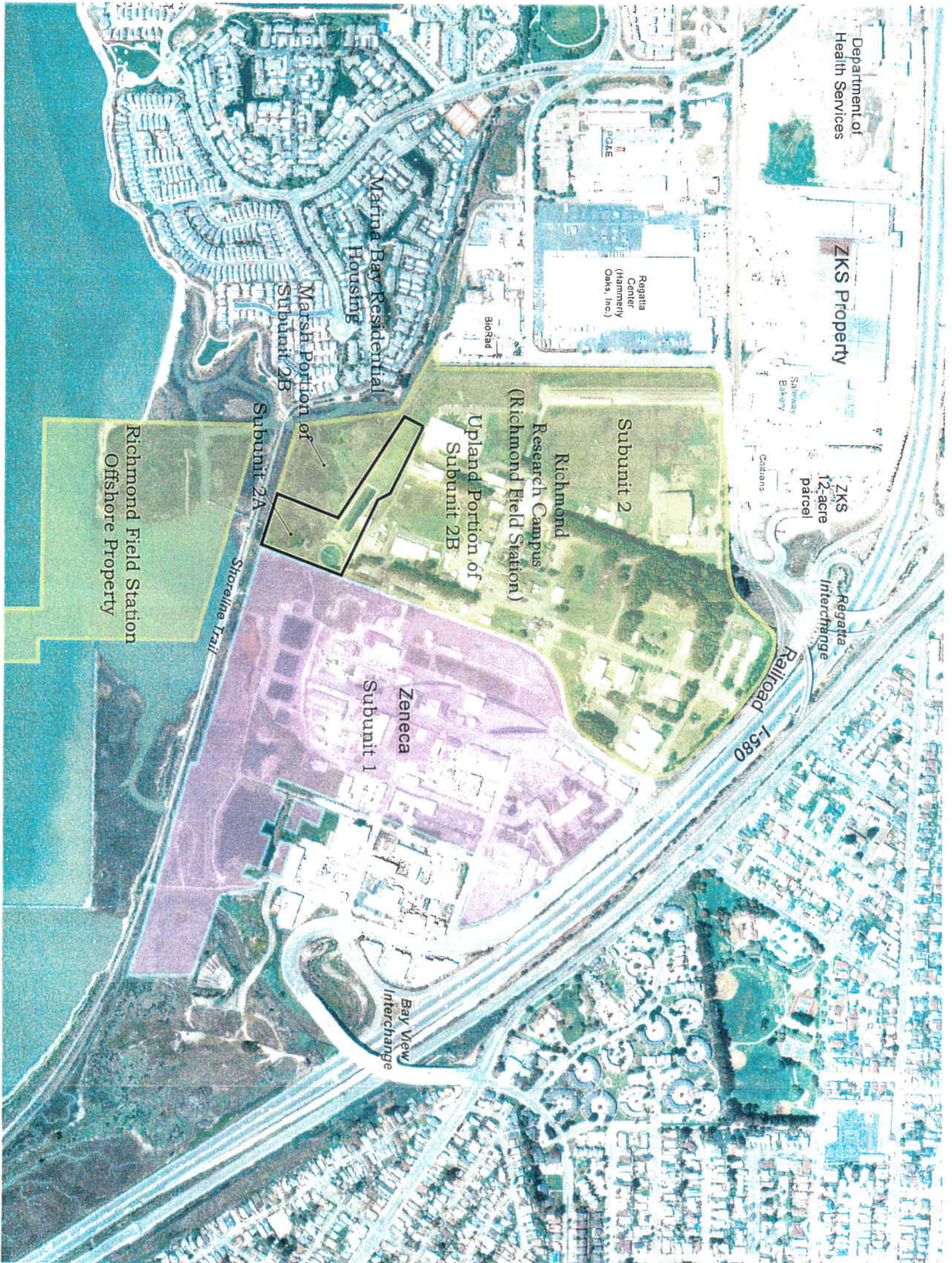


## FIGURES



26814100-8A420/050703/gos



**LEGEND**

- Zeneca Property (Subunit 1)
- Richmond Field Station Property (Subunit 2 & Offshore Property)

Note: Offshore property located south of the EBRPD Bay Trail is not included within Subunit 2. The boundary of Subunit 2a is approximate.

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Subunits 2A and 2B  
Locations and Boundaries

University of California, Berkeley, Richmond Field Station, Subunit 2a, Subunit 2b, Subunit 2c, Subunit 2d, Subunit 2e, Subunit 2f, Subunit 2g, Subunit 2h, Subunit 2i, Subunit 2j, Subunit 2k, Subunit 2l, Subunit 2m, Subunit 2n, Subunit 2o, Subunit 2p, Subunit 2q, Subunit 2r, Subunit 2s, Subunit 2t, Subunit 2u, Subunit 2v, Subunit 2w, Subunit 2x, Subunit 2y, Subunit 2z

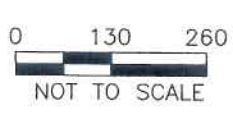
X:\x\_env\workspace\parks\Berkeley\GIS\MapServer\www\05/20/2003 11:38:05 AM



### LEGEND

- MARSH 150' BUFFER ZONE
- SILT SCREEN
- EXISTING SOIL BERM
- EXISTING CLAY BERM
- TEMPORARY FENCE
- EXISTING TEMPORARY FENCE
- FENCE GATE (ALL FENCES)
- ↔ - PROPOSED HAUL ROUTES
- TREATMENT PAD
- STOCKPILE AND WORK AREAS
- CLEAN STOCKPILE
- APPROX. AOC BOUNDARY
- PROPERTY LINE
- 12 KV OVERHEAD WIRES
- SD - STORM DRAIN
- TP - TREATMENT PAD
- SANITARY SEWER
- EASTERN STORM DRAIN OUTFALL
- PROJECT AREA BOUNDARY

\*NOTE: REMEDIAL ACTIVITIES FOR PHASE 1 HAVE BEEN COMPLETED AND THE RESTORATION DESIGN IS CURRENTLY BEING DEVELOPED AND NEGOTIATED WITH THE APPROPRIATE STATE AND FEDERAL AGENCIES



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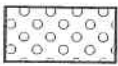


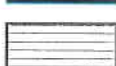


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PROJECT AREA,  
AOC LOCATIONS, AND  
ASSOCIATED REMEDIAL  
DESIGN ACTIVITIES

FIGURE  
3



**LEGEND**

- |   |   |   |  |
|---|---|---|--|
|  | COASTAL SCRUB<br>(CNDDDB 32.000.00)         |  | PROJECT AREA BOUNDARY  |
|  | NATIVE GRASSLANDS<br>(CNDDDB 41.000.00)     |  | MEADOWS AND SEEPS<br>(Includes Seasonal Wetlands not Dominated by Grasses)<br>(CNDDDB 45.000.00) |
|  | NON-NATIVE GRASSLANDS<br>(CNDDDB 42.000.00) |  | MARSH<br>(CNDDDB 52.000.00)  |
|   |   |   | MAN-MADE LANDSCAPE<br>(Ornamental Tree Groves and Herbaceous Groundcovers)                       |

0 110 220  
 APPROX. SCALE: 1" = 220'  
 (IF THIS SHEET IS 11"x17")



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GENERAL HABITAT TYPES  
 IN  
 THE PROJECT AREA

FIGURE  
 4

# LEGEND

-  MIXED RUDEERAL SCRUB  
2.6 ACRES
-  LOW SALT MARSH (PACIFIC CORDGRASS)  
2.43 ACRES
-  MIDDLE SALT MARSH (PICKLEWEED)  
1.1 ACRES
-  HIGH SALT MARSH (SALT GRASS)  
3.9 ACRES
-  SURFACE WATER/SLOUGH  
1.0 ACRES
-  FORMER ALKALI BULRUSH AND "ORANGE POND" CA STATE WATERS  
0.4 ACRES (NOT CONSIDERED CALIFORNIA CLAPPER RAIL HABITAT BASED ON DISCUSSIONS WITH USFWS DUE TO LACK OF COVER)

NOTES:  
1) BOUNDARIES BETWEEN VEGETATION TYPES ARE APPROXIMATE

2) SOME PORTIONS OF THE HIGH SALT MARSH (SALT GRASS) AREAS ALONG THE EBRPD BAY TRAIL ALSO CONTAIN INTERMITTENT PATCHES OF PICKLEWEED



EBRPD Bay Trail

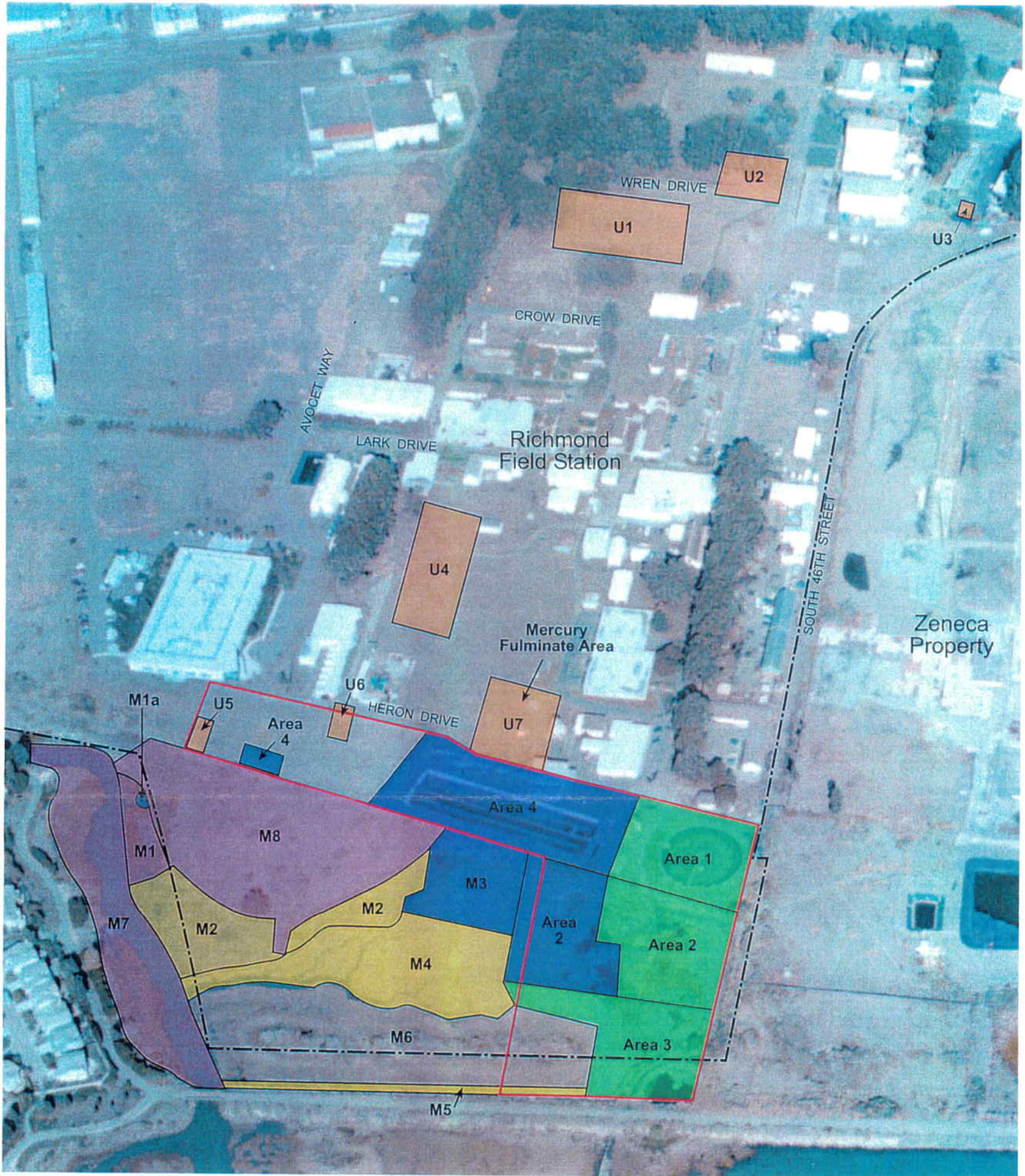


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Western Stege Marsh  
Pre-Construction Habitats

FIGURE  
5





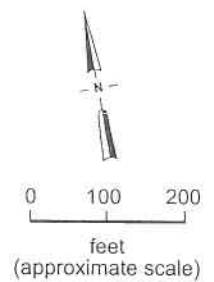
**LEGEND**

**Remediation Schedule**

Phase 1		2002 (UCB FY 2002/2003)
Phase 2		2003 (UCB FY 2003/2004)
Phase 3		2004 (UCB FY 2004/2005)
Phase 4		2005 (UCB FY 2005/2006)
Phase 5		2006 (UCB FY 2006/2007)

<b>Area 1</b>	= Subunit 2A Area 1
<b>U1</b>	= Subunit 3B Upland AOC 1
<b>M1</b>	= Subunit Marsh AOC 1

	Subunit 2A Boundary
	Property Boundary



**Notes:**

1. Areas are approximate and will be refined based upon 2003 additional characterization results and CAL EPA approval.
2. Shaded areas indicate boundary of area to be addressed during the identified remedial phase. Remedial activities being considered for each area include excavation, capping, in-place management or a combination of these activities.



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**PROPOSED PHASED  
 REMEDIATION SCHEDULE**

Figure  
 6

**LEGEND**

— AREAS OF CONCERN BOUNDARIES (AOCs)

(M5) AOC IDENTIFICATION NUMBER

■ "HIGH-RISK" - REMOVAL

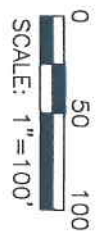
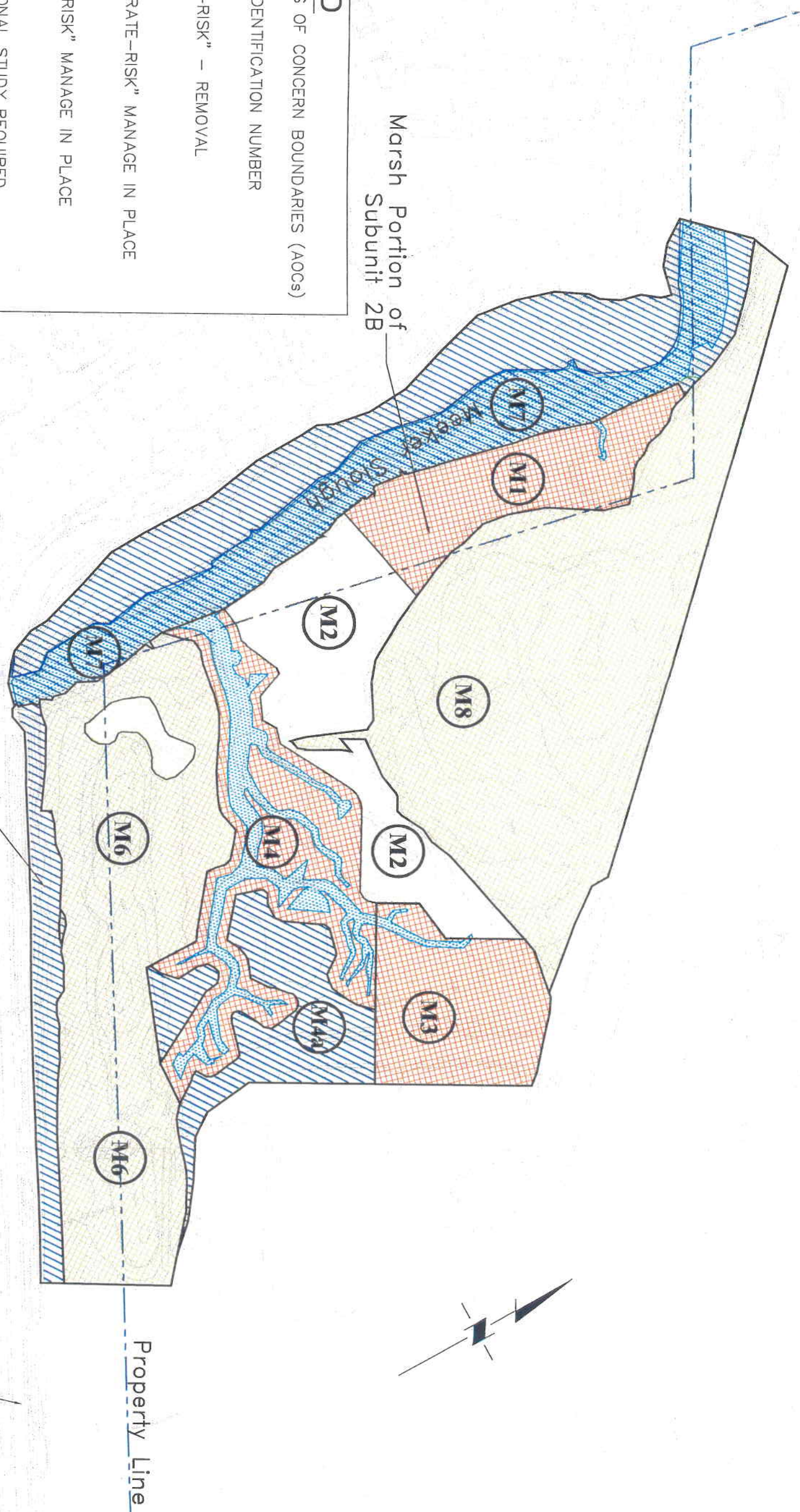
■ "MODERATE-RISK" MANAGE IN PLACE

■ "LOW-RISK" MANAGE IN PLACE

▨ ADDITIONAL STUDY REQUIRED

▧ SURFACE WATER/SLOUGH

NOTE: DELINEATION OF COC'S IN NORTHERN REACH OF MEEKER SLOUGH HAS NOT BEEN COMPLETED. WESTERN EXTENT MAY CHANGE UPON FUTURE SAMPLING AND ANALYSIS.



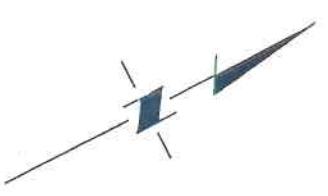
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Areas of Concern  
Marsh Portion of Subunit 2B

FIGURE  
7

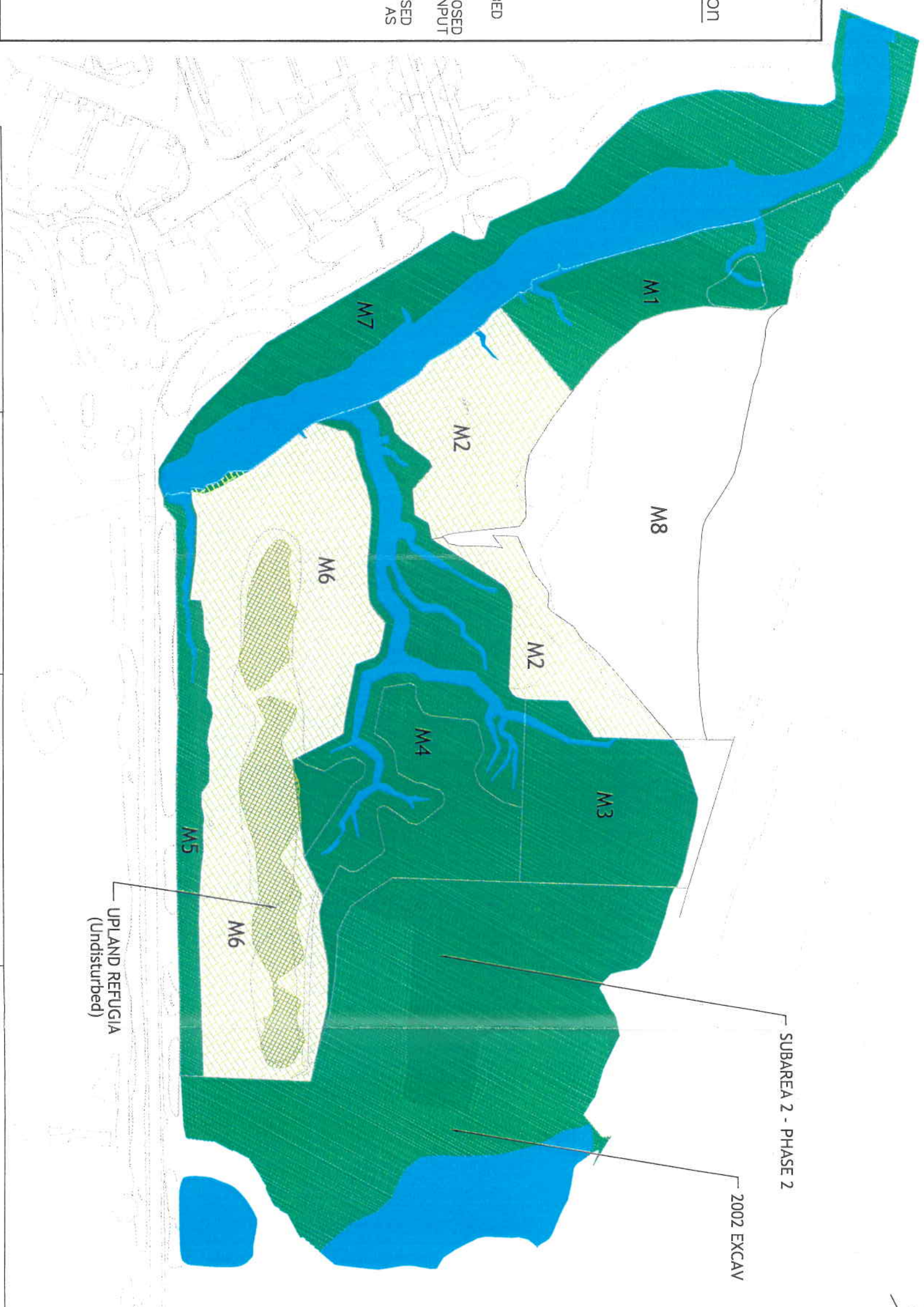




**LEGEND**  
 Approximate Areas  
 Disturbed During Remediation

-  Wetland Disturbed
-  Waters Disturbed
-  Areas M6 and M2 Undisturbed Areas

- 1) APPROXIMATELY 7.1 ACRES DISTURBED
- 2) HABITAT TYPES FOR PROPOSED RESTORATION AREAS WILL BE PROPOSED DURING DESIGN PHASE BASED ON INPUT FROM AGENCIES
- 3) BOUNDARY OF MITIGATION AREA BASED ON RWOCB SUBUNIT 2 BOUNDARIES AS DESIGNATED IN ORDER 01-102







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Western Stege Marsh  
 Pre-Mitigation Areas

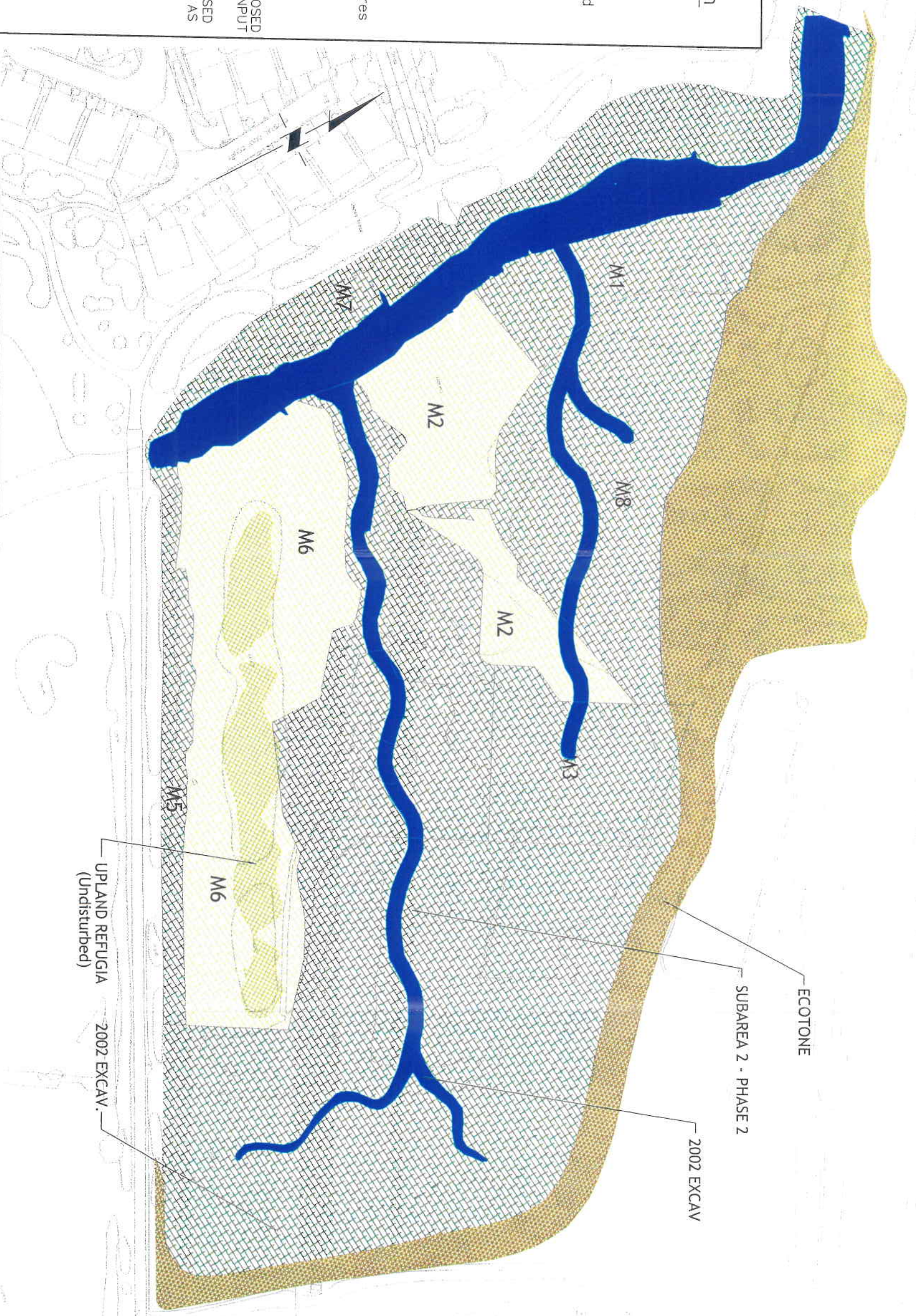
# LEGEND

## Approximate Post Mitigation Acreages

- Acrees Created**
-  Wetland Acreage Created
  -  Waters Created
  -  Ecotone Created
  -  Areas M6 and M2 Undisturbed Areas

Total Lost = Approx. 7.1 Acres  
 Total Created = Approx. 11.8 Acres  
 Ratio = 1.66:1

- 1) ACREAGES ARE APPROXIMATE
- 2) HABITAT TYPES FOR PROPOSED RESTORATION AREAS WILL BE PROPOSED DURING DESIGN PHASE BASED ON INPUT FROM AGENCIES
- 3) BOUNDARY OF MITIGATION AREA BASED ON RWOCB SUBUNIT 2 BOUNDARIES AS DESIGNATED IN ORDER 01-102



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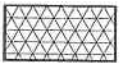

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Western Stege Marsh  
 Post Remediation  
 Mitigation Areas

FIGURE  
 8B



**LEGEND** (\* INDICATES A NATURAL COMMUNITY CONSIDERED RARE BY CDFG'S CNDDB)

	<b>CALIFORNIA OATGRASS BUNCHGRASS</b> ( <i>Danthonia californica</i> ) [COASTAL TERRACE PRAIRIE] (CNDDB *41.050.00) [CNDDB *41.270.00]		<b>SEDGE</b> ( <i>Carex spp.</i> , <i>Juncus spp.</i> ) (CNDDB 45.110.00)	--- PROJECT AREA BOUNDARY
	<b>CORDGRASS SALINE GRASSLAND</b> ( <i>Spartina sp.</i> ) (CNDDB *41.070.00)		<b>PICKLEWEED WETLAND</b> ( <i>Salicornia virginica</i> ) (CNDDB *52.201.00)	
	<b>PURPLE NEEDLEGRASS</b> ( <i>Nassella pulchra</i> ) (CNDDB *41.150.00)			
	<b>SALTGRASS</b> ( <i>Distichlis spicata</i> ) (CNDDB *41.200.00)			

0 110 220  
 APPROX. SCALE: 1" = 220'  
 (IF THIS SHEET IS 11"x17")



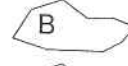






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LOCATIONS OF SENSITIVE  
 NATURAL COMMUNITIES  
 IN THE PROJECT AREA

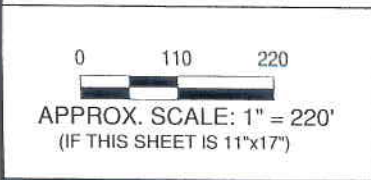
FIGURE  
 9



- |  |   |   |  |
|--|---|---|--|
|  | - small-bract sedge<br><i>(Carex subbracteata)</i>          |  | - slender arrow-grass<br><i>(Triglochin concinna var. concinna)</i>      |
|  | - Oregon timwort<br><i>(Cicendia quadrangularis)</i>        |  | - Pacific cord grass<br><i>(Spartina foliosa)</i> (purity not confirmed) |
|  | - California oatgrass<br><i>(Danthonia californica)</i>     |  | - marsh gum-plant<br><i>(Grindelia stricta var. angustifolia)</i>        |
|  | - California sea-lavender<br><i>(Limonium californicum)</i> |   |  |

----- PROJECT AREA BOUNDARY

This is a preliminary map showing locations of special status plants, candidate plants and plants that may be endangered, threatened or rare, which were identified by April 2003. CDFG protocol botanical surveys will be completed by October 2003.



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LOCATIONS OF SPECIAL STATUS PLANTS,  
CANDIDATE PLANTS & UNLISTED PLANTS  
THAT MAY BE ENDANGERED, THREATENED  
OR RARE IN THE PROJECT AREA

FIGURE  
10