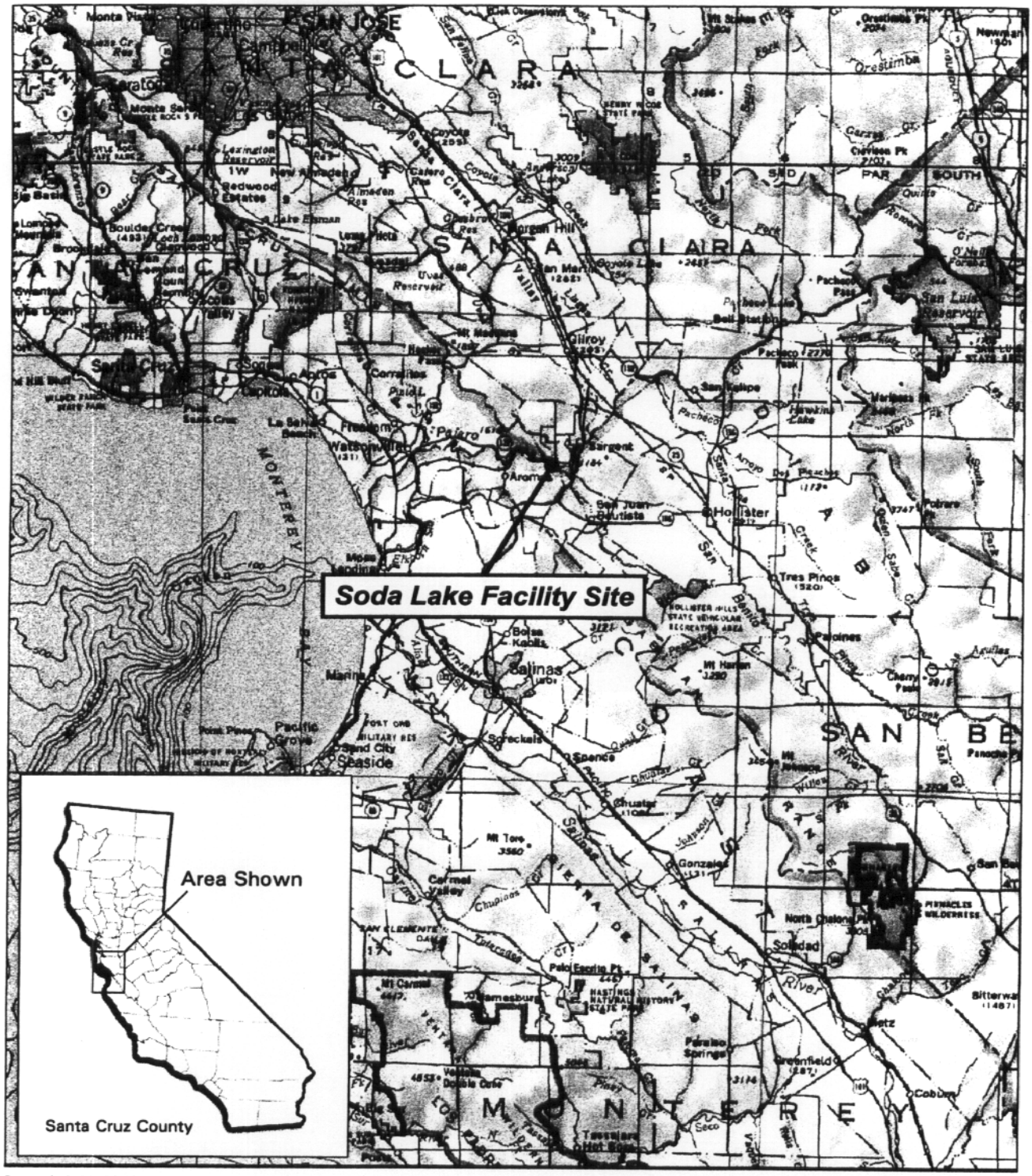


Created: 9/30/2003

Source: USGS TOPO 500K Series

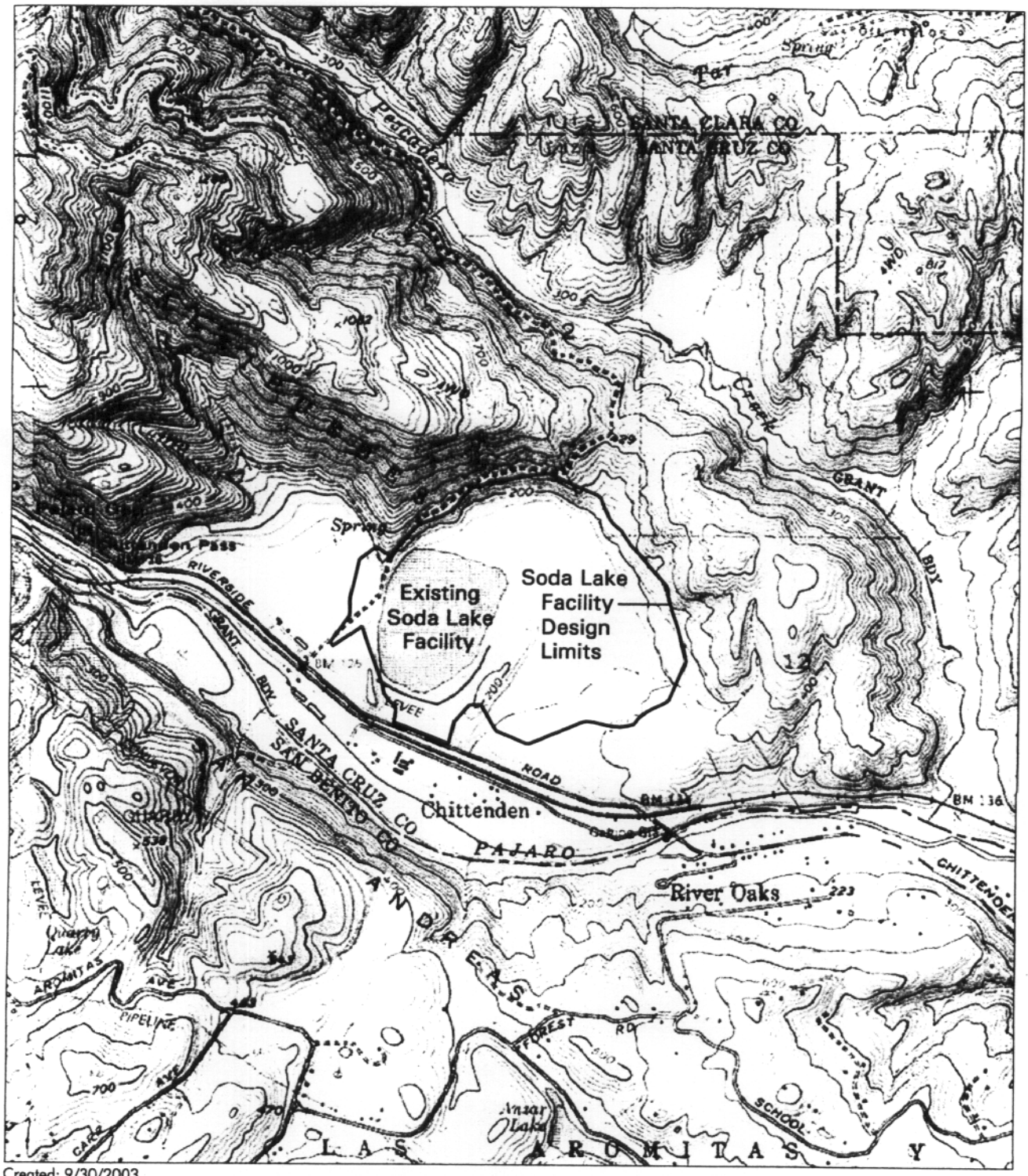
NORTH

0 10 Miles

SCALE: 1" = 10 Miles

Figure 1
Regional Location
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA

RESOURCE DESIGN
TECHNOLOGY, INC.



Created: 9/30/2003

Source: USGS TOPO 7.5' Series

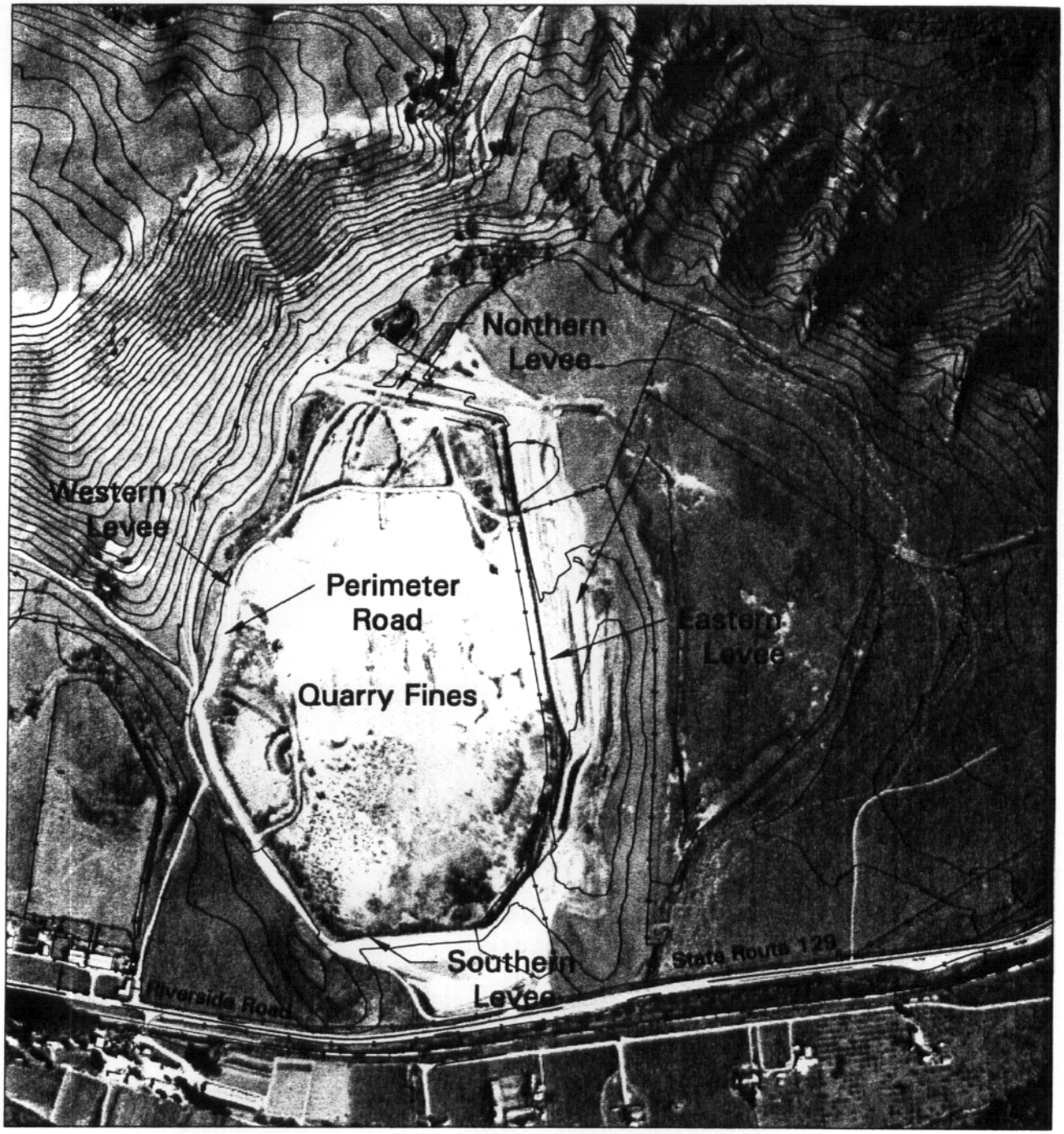
NORTH

0 2000'

SCALE: 1" = 2000'

Figure 2
Site Location
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA

RESOURCE DESIGN
TECHNOLOGY, INC.



Photograph date: February 2001
Source: Aerial Data Inc.

Created: 9/30/2003

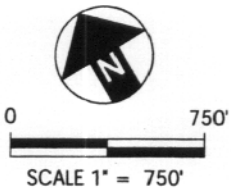
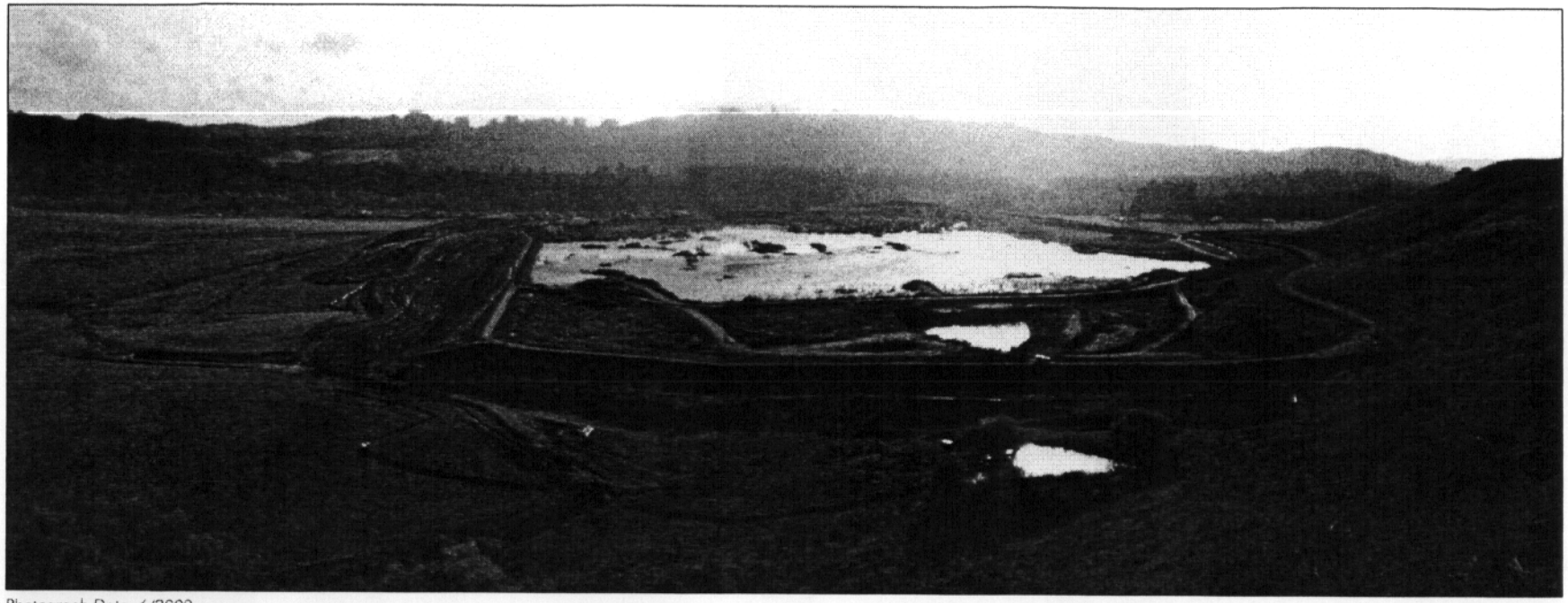
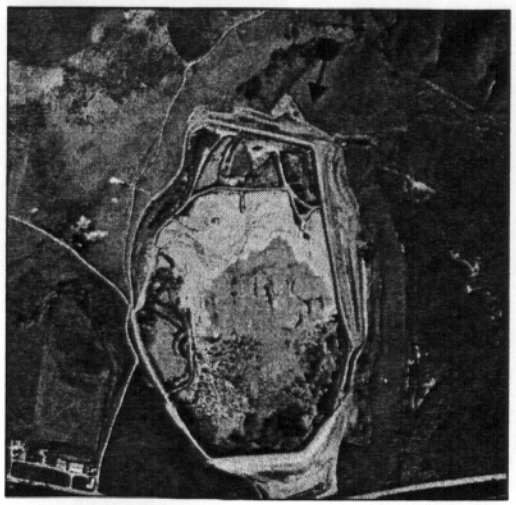


Figure 3
2002 Facilities Aerial Photograph
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA

RESOURCE DESIGN
TECHNOLOGY, INC.



Photograph Date: 6/2002

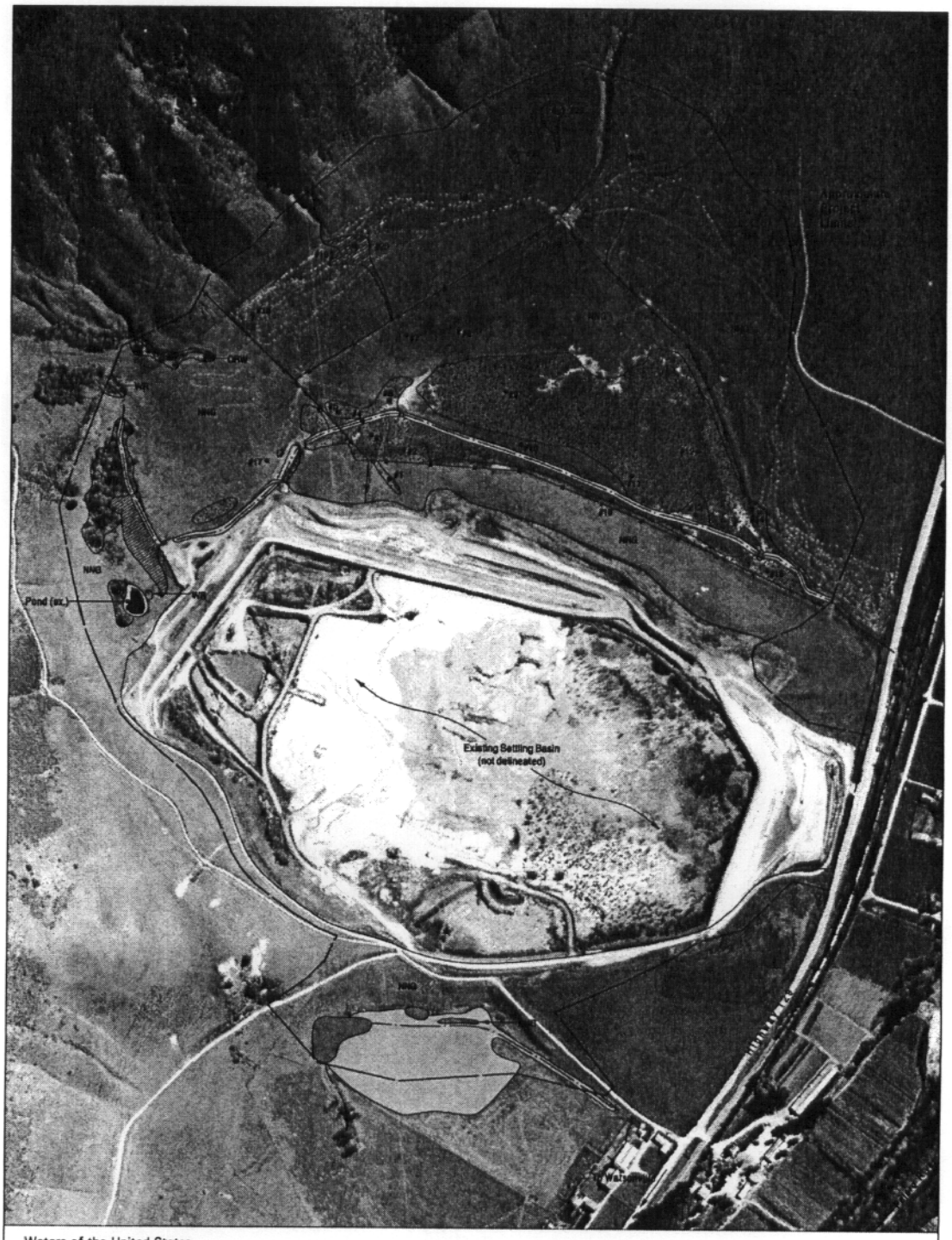


Photograph Location and Direction

Created: 9/30/2003

Soda Lake Facility; view south. Area in foreground and at left will be incorporated following levee realignment; involving partial removal of levee shown in foreground and at left.

Figure 4
2002 Facility Photograph
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA



Waters of the United States
Wetlands
- Wet Alkali Grassland
- Wet Grassland
- Freshwater Marsh
- Willow Riparian
- Other Waters
- Data Points #1-22

Other Habitats
- NNG Non-native Grassland
- WR Willow Riparian Woodland
- ORW Oak Riparian Woodland
- Fence (ex.)

Created: 9/30/2003

NORTH

0 700'

SCALE: 1" = 700'

Figure 5
Waters of the U.S. Delineation
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA

RESOURCE DESIGN
TECHNOLOGY, INC.

Waters of the United States
Wetlands
- Wet Alkali Grassland
- Wet Grassland
- Freshwater Marsh
- Willow Riparian

— Other Waters
• Data Points #1-22

Other Habitats
- NNG Non-native Grassland
- WR Willow Riparian Woodland
- ORW Oak Riparian Woodland
- Fence (ex.)

Impact Areas

Created: 9/30/2003

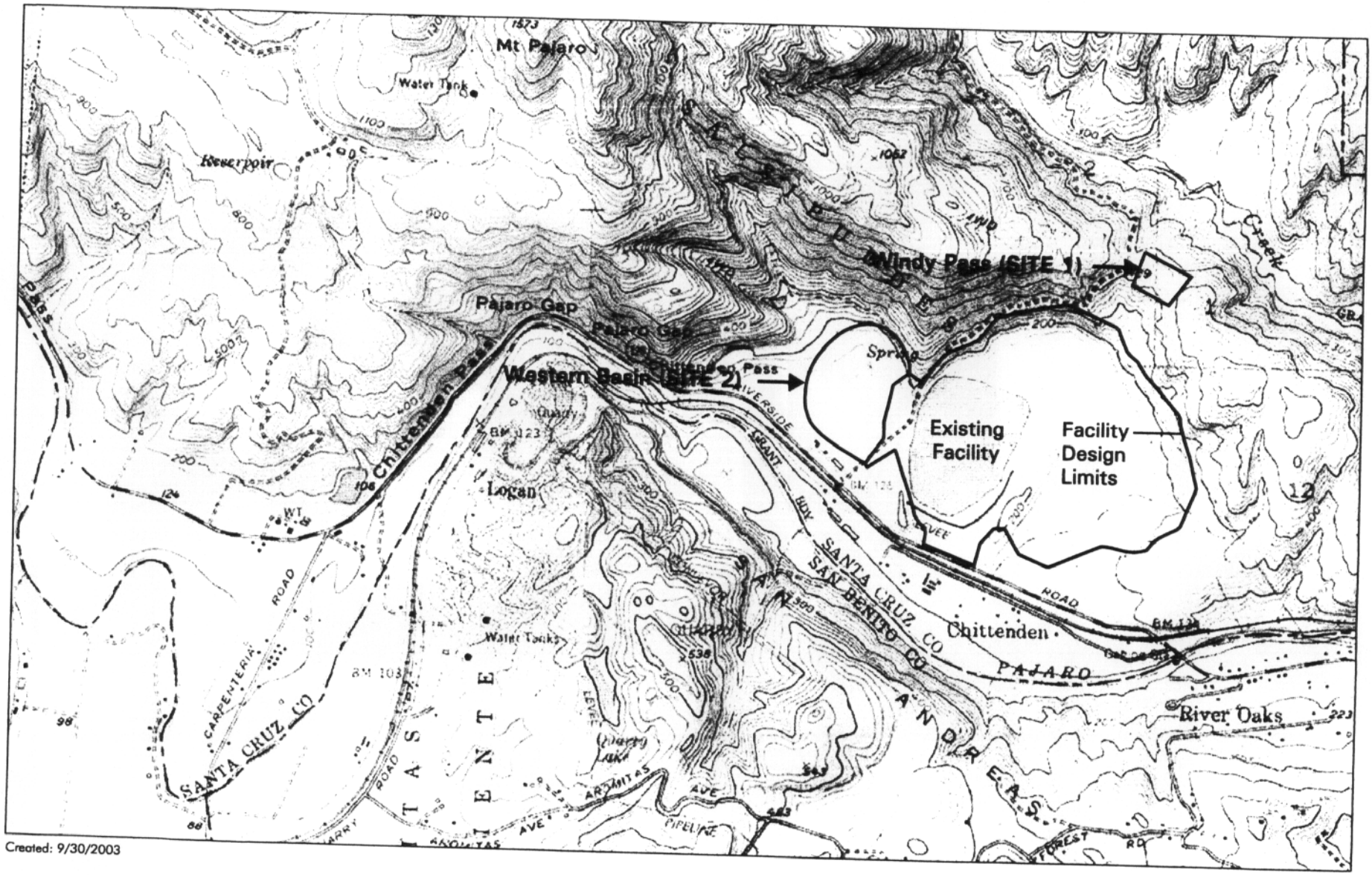
NORTH

0 700'

SCALE: 1" = 700'

Figure 6
Jurisdictional Impacts
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA

RESOURCE DESIGN
TECHNOLOGY, INC.



Created: 9/30/2003

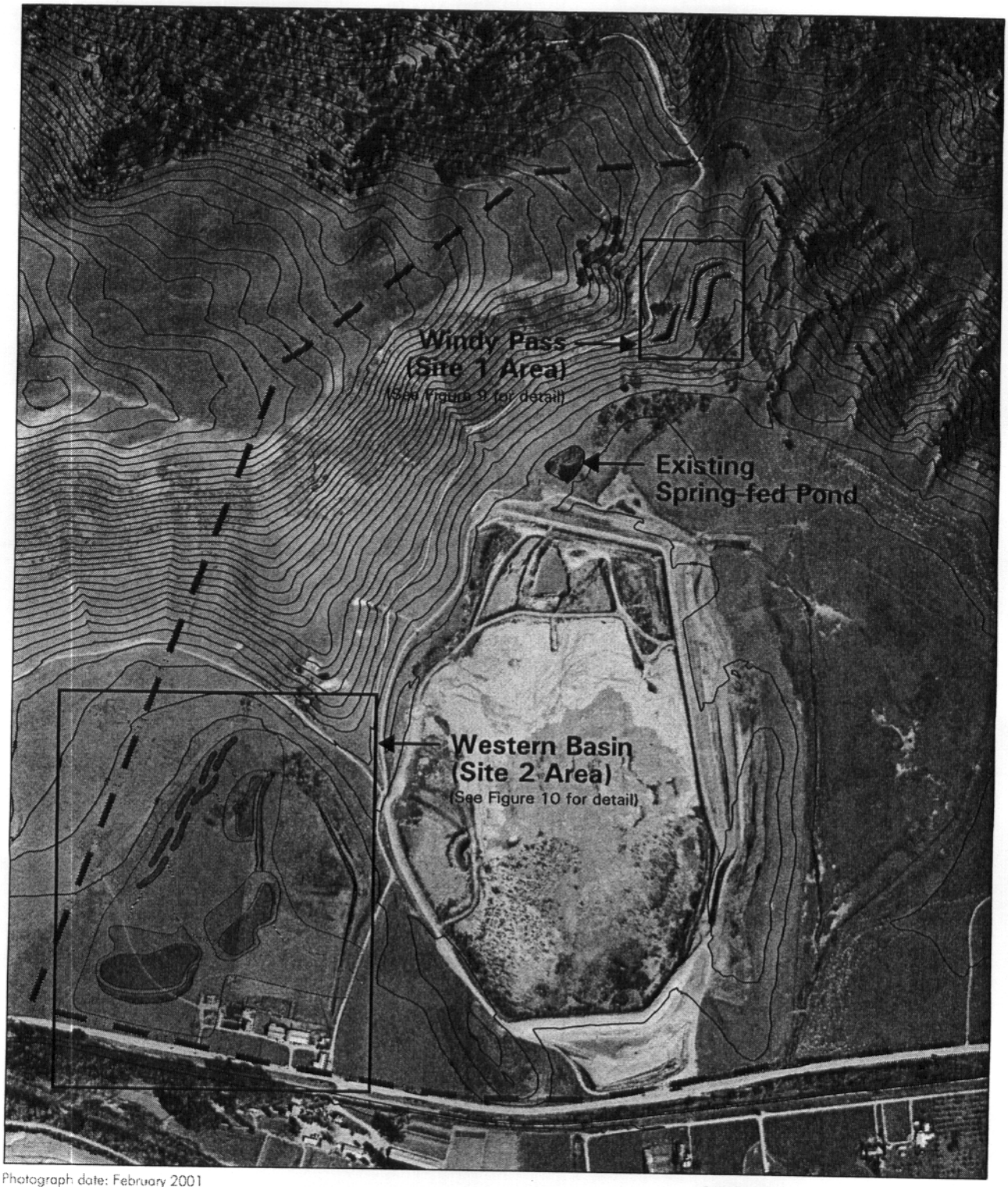
NORTH

0 2000'

SCALE: 1" = 2000'

Figure 7
Mitigation Sites
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA

RESOURCE DESIGN
TECHNOLOGY, INC.



Photograph date: February 2001
Source: Aerial Data Inc.

Created: 9/30/2003

LEGEND

Property Boundary

NORTH

0 800'

SCALE: 1" = 800'

Figure 8
Views of Windy Pass (Site 1) and Western Basin (Site 2)
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA

RESOURCE DESIGN
TECHNOLOGY, INC.

CONSTRUCTED HABITAT

	APPROXIMATE ACRES
Open Water Ponds	.6
Willow Riparian Woodland	.4
Total	1.0

Source: Reinard W. Brandley

Note: See Figure 11 for Cross-Sections.

LEGEND

Outflow Connection

Created: 9/30/2003

NORTH

0 100'

SCALE: 1" = 100'

Figure 9
Detail of Windy Pass (Site 1)
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA

RESOURCE DESIGN TECHNOLOGY, INC.

CONSTRUCTED HABITAT	APPROXIMATE ACRES
Seasonal Wet Grassland	16
Shallow Freshwater Marsh (2 Feet)	4
Deep Freshwater Marsh (5.5 Feet)	6.6
Willow Riparian Woodland	1
Waterways	.4
Total	28

Photograph date: February 2001, Source: Aerial Data Inc.

Note: See Figure 12 for Cross-Sections.

LEGEND

- Property Boundary
- Lease Boundary
- Soda Lake Facility Boundary

Created: 9/30/2003

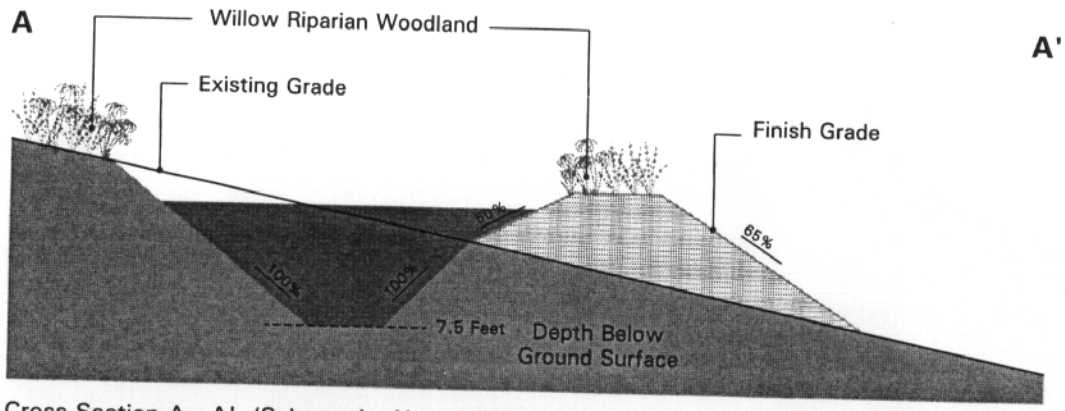
NORTH

0 250'

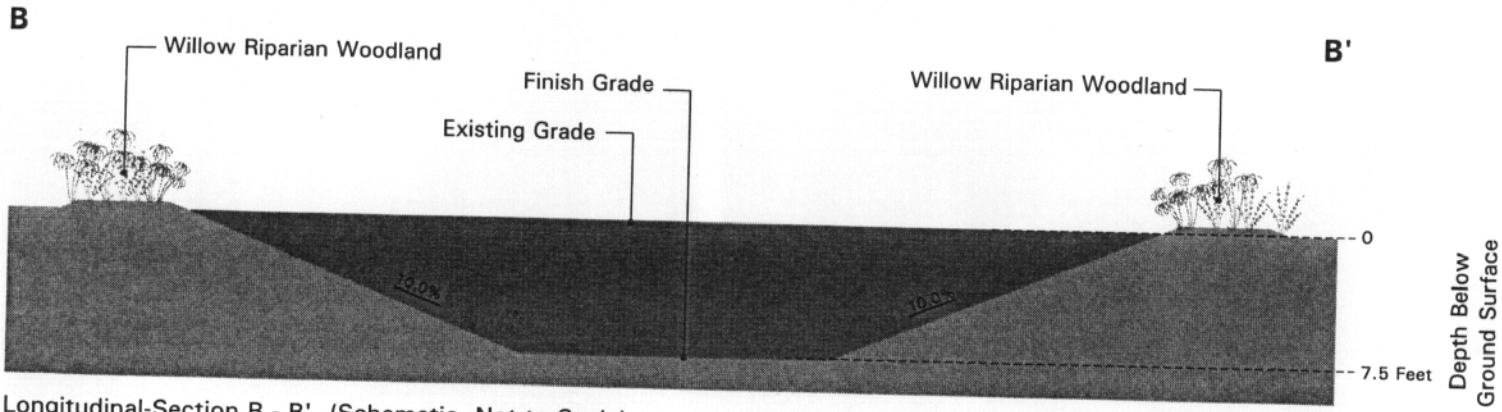
SCALE: 1" = 250'

Figure 10
Detail of Western Basin (Site 2)
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA

RESOURCE DESIGN TECHNOLOGY, INC.



Cross-Section A - A', (Schematic, Not to Scale)

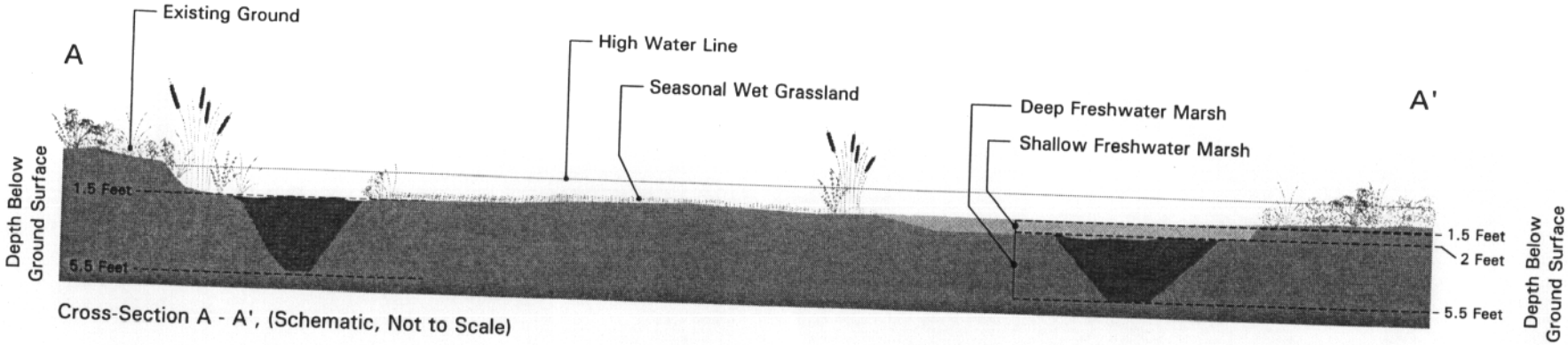


Longitudinal-Section B - B', (Schematic, Not to Scale)

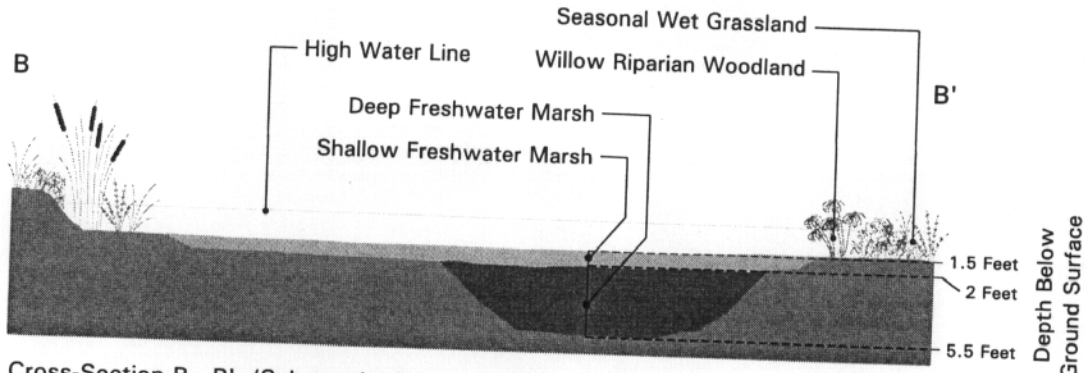
Note: See Figure 9 for Cross-Section Locations

Figure 11
Windy Pass (Site 1) Cross-Sections
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA

Created: 9/30/2003



Cross-Section A - A', (Schematic, Not to Scale)



Cross-Section B - B', (Schematic, Not to Scale)

Note: See Figure 10 for Cross-Section Locations

Created: 9/30/2003

Figure 12
Western Basin (Site 2) Cross-Sections
SODA LAKE FACILITY 404 PERMIT PUBLIC NOTICE
SANTA CRUZ COUNTY, CALIFORNIA