Caler Cove Lobster Company

File No.: 199800920

City and State: Addison, ME

General Impacts: 0.17 acre tidal emergent

Functions and Values Lost:

Production Export
Nutrient Exchange
Sediment Filtration
Fishery Habitat (Aquatic Diversity)
Wildlife Habitat

Year(s) Mitigation Constructed: Unable to tell from file.

Size and Type of Mitigation as Proposed: 1.9 acres tidal emergent

Proposed Functions and Values of Mitigation: (from database)

Education Value
Fish Habitat
Nutrient Retention
Recreation
Shore Stabilization
Sediment Retention
Wildlife Habitat

Mitigation Special Condition(s):

5. The permittee shall implement a benthic monitoring plan. The details of this plan are described in the document entitled "Monitoring Plan for William Batson Lobster Pound" dated "June 1998".

6. The permittee shall provide benthic monitoring reports and data to the Naitonal Marine Fisheries Service in accordance with the monitoring plan within sixty (60) days of each monitoring event. Point of contact at the National Marine Fisheries Service shall be Jonathan Kurland at 978-281-9204 at 1 Blackburn Drive, Gloucester, Massachusetts 01930. Three copies of the data shall be provided for distribution to the Army Corps of Engineers and the State of Maine Department of Marine Resources. The permittee shall notify the National Marine Fisheries Service prior to the drawdown and sampling of the pound.

7. Prior to construction of the project, the permittee shall implement sections 3.4, 4.2, 4.3.1, and 4.4 of the mitigation plan to compensate for the project's impact to the intertidal area. The details of this plan are described in the document entitled "Caler

Cover Lobster Pound Project, Mitigation Plan, Final Modification", dated "July 31, 1988 (June 18, 1998; modified June 25 and August 13, 1998)" and prepared by Norman C. Famous, Mashiasport, Maine. This portion of the plan consists of 1.6 acres of salt marsh restoration.

8. The mitigation area shall be monitored by Norman C. Famous or another qualified, environmental consultant for a period of at least 3 consecutive growing seasons following the restoration of tidal flows. Also the environmental consultant shall be on site during all salt marsh restoration work. The permittee shall not change mitigation consultants without prior approval by the Corps. The Corps reserves the right to review the qualifications of any alternate environmental consultant. The consultant shall inspect the mitigation areas near the end of each growing season, and the inspection reports shall be submitted to the Corps of Engineers no later than December 31st of each year.

9. The permittee shall not conduct any work within 25' of any salt marsh surrounding the lobster pound.

Remarks:

None

Directions:

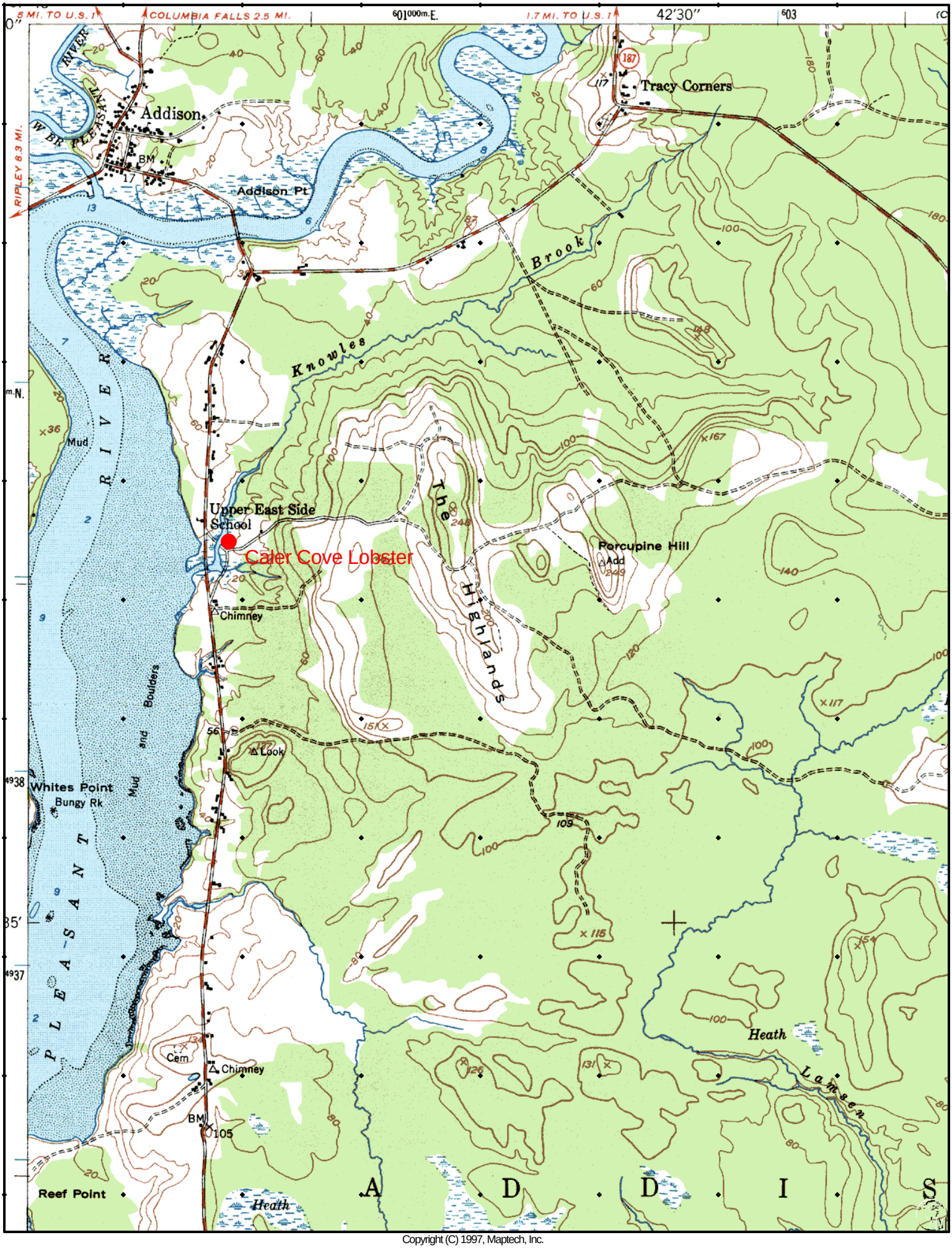
Take I-95 north to Maine. Take exit 45A, I-395 north. Take exit 6A, US-1A east. Merge onto Wilson Road. It will changes name, but stay on it for about 20 miles until it becomes US-1A again. It then becomes High Street. Make a slight right onto US-1. US-1 becomes US-1A and will switch back and forth. Stay on this road for approximately 41 miles. Turn right onto Addison/Abittoir Road. It will become Addison Road. Turn right onto Addison Road/Front Street/South Addison Road. Then turn left onto Water Street/South Addison Road. This will bring you to Addison Center. On Water Street cross Pleasant River, Pass Wescogus Road on left. Take left on McMann Road just after crossing creek (Knowles Brook). Site is on left. Park in spur former road.

TN
MN (18.3°W)

Scale 1 : 32,000

0 800 1600 2400 3200 4000 ft
0 200 400 600 800 1000 m

1" = 2670 ft



MITIGATION SITE FIELD DATA FORM

Site Name: Caler Cove Lobster Co. **File No.** 199800920

City/Town: Addison **State:** ME **Waterbody:** Tidal

Monitor(s): Ruth Ladd, Keith Wright **Date:** 8-13-02

Was site constructed? yes

Is site wetland? yes

Size of proposed wetland: 1.9 acres

Actual size of wetland: TBD

Landscape position: tidal

Lat/Long Points: 44.60088N 067.73666W

Saved GPS Waypoint name: CAL

GPS Tracking Log Name: N/A

Perimeter: TBD

Surrounding land use:
Tidal marsh, upland scrub shrub

Is wetland function compromised by surrounding land use?
No

Plant health:
Good

Invasive species:
None observed.

Wildlife use:
Crab exoskeleton, fish in salt flat, animal scat

Plants:
Atriplex sp.
Carex sp.
Juncus sp.
Salicornia sp.
Solidago sempervirens
Spartina alterniflora
Spartina patens

Soils Data:
Soils data not collected at this site.

Sketch approximate mitigation site, noting areas and types of wetlands, waters, other features, landscape position, landmarks, etc., and data and photo point(s)
See file for map.

Overall Description of site:
To get to this site, go through Addison. Cross the Pleasant River, and then pass Wescogus Rd. on the left. One mile from Wescogus Rd. take left onto McMann Road just after crossing Knowles Brook.The site is on the left. It is a large salt pan with six inches of water. One side of the pan is surrounded by a mud dike. The pan had significant amounts of decaying brown and even pink algae in it.

Comments, problems, recommendations:
The heavy amount of algae in the salt pan may indicate a low flushing rate, which the project was supposed to remedy. The dike should have been removed or breached in several places. It is also unclear whether this site was merely an enhancement. A discussion with Shawn from the ME field office is in order to learn what this site used to look like.

Figure 3
Caler Cove Lobster Pound Mitigation Area: Knowles Brook Saltmarsh, Addison, ME (William Batson Project)

Legend
Section of Dike to Remove (25 ft.)
Salt Marsh Drainage Channel
Elevations based on mean low water
Scale 1 inch = 100 feet

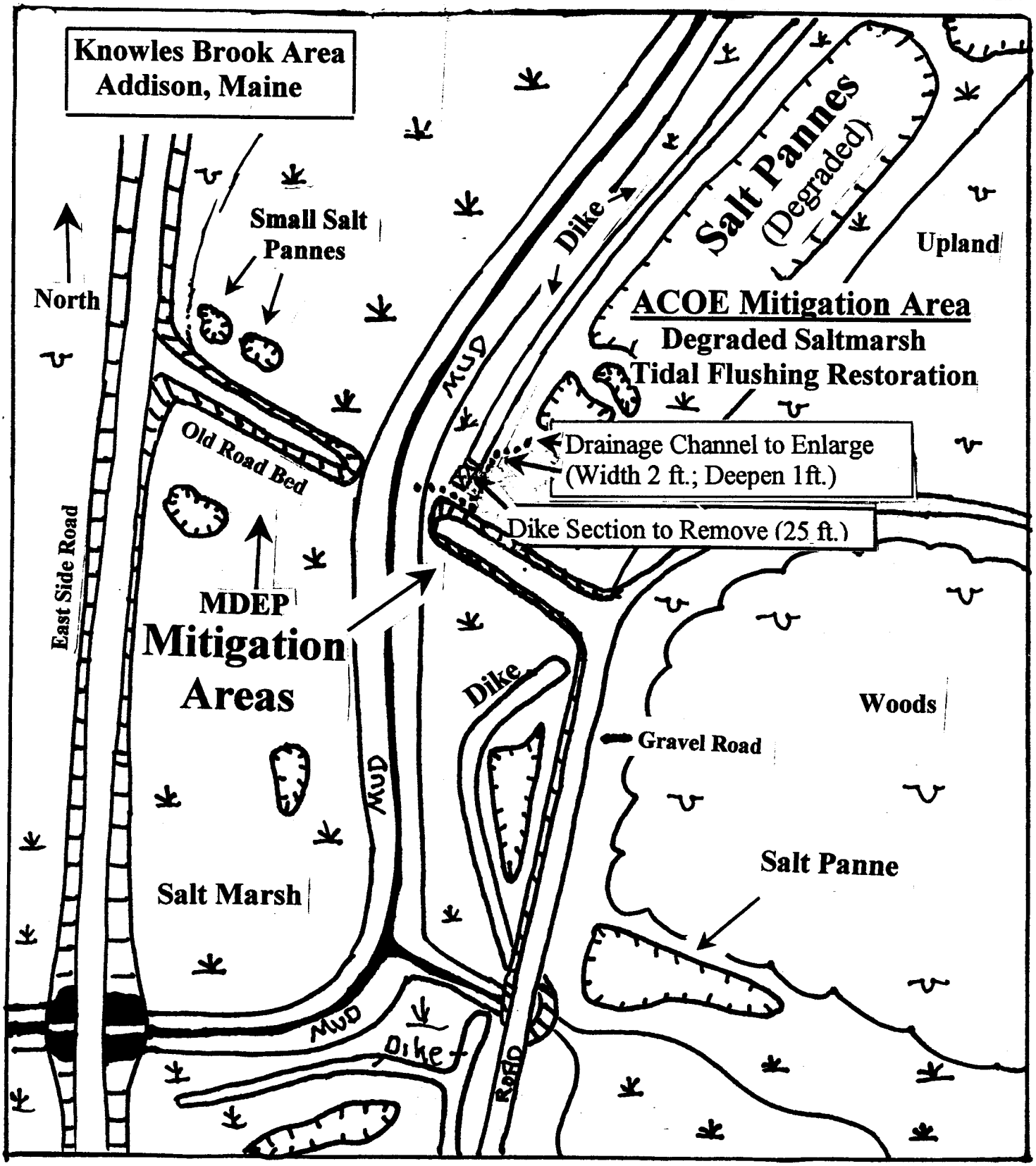
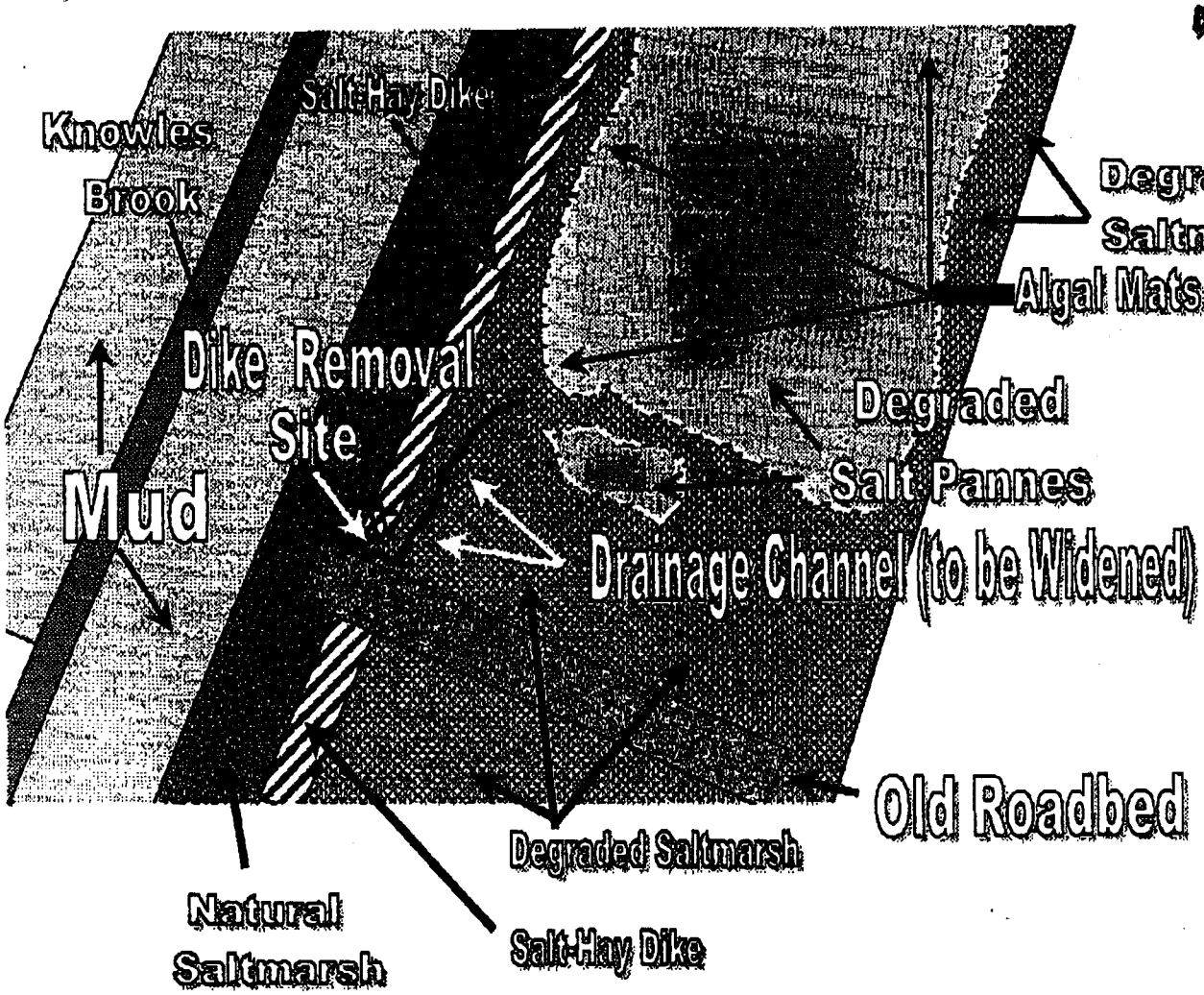
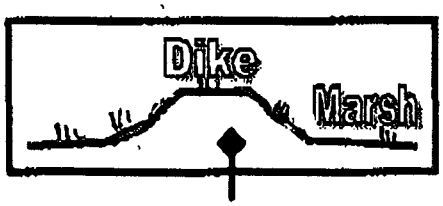


Figure 5 Dike Removal Site & Drainage Channel Excavation Area

No Scale/ Approximate



Typical Cross Section Salt-Hay Dike



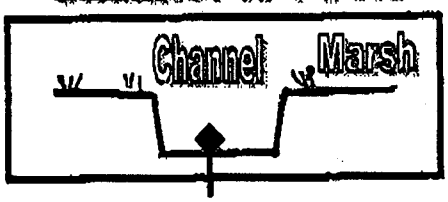
Dike Cross Section

Final Dike Size

Dike Height 2.4 ft.

Dike Width 6.1 ft.

Typical Cross Section Channel to Pools



Channel Cross Section

Final Channel Size

Channel Height 1 ft.

Channel Width 2 ft.

Wetland Function-Value Evaluation Form

Total area of wetland 1.9 ac Human made? yes Is wetland part of a wildlife corridor? yes or a "habitat island"? no

Adjacent land use upland field, tidal creek, dirt road Distance to nearest roadway or other development 100 feet (dirt road) 500 feet (paved road)

Dominant wetland systems present EEM Contiguous undeveloped buffer zone present 80%

Is the wetland a separate hydraulic system? no If not, where does the wetland lie in the drainage basin? low

How many tributaries contribute to the wetland? 0 Wildlife & vegetation diversity/abundance (see attached list)

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Wetland I.D.

Latitude N44.60088 Longitude W67.73666

Prepared by: Ladd Date 8/13/02

Wetland Impact:
Type Area

Evaluation based on:
Office Field X

Corps manual wetland delineation completed? Y N X

Function/Value	Suitability Y	Suitability N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge		X			
Floodflow Alteration	X				provides some storage, confined outlet
Fish and Shellfish Habitat	X				small fish observed
Sediment/Toxicant Retention	X				diffuse water flows
Nutrient Removal	X				wetland is saturated and inundated all year, constricted outlet
Production Export	X			X	tidal flushing, detritus development (limited due to large unvegetated areas)
Sediment/Shoreline Stabilization		X			
Wildlife Habitat	X			X	in relatively undeveloped area, in wildlife corridor
Recreation		X			
Educational/Scientific Value		X			
Uniqueness/Heritage		X			
Visual Quality/Aesthetics		X			
ES Endangered Species Habitat		X			none known
Other					

Notes:

* Refer to backup list of numbered considerations.

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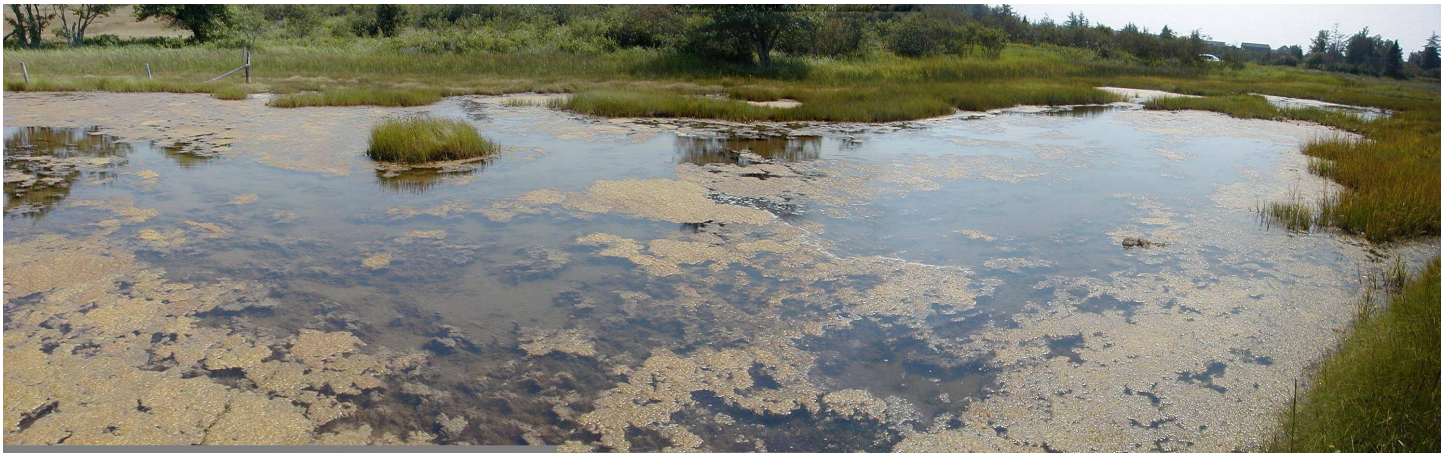
Looking north from south end of site. Creek is on far right.

Southwest corner of site is the connection to the creek system through this ditch.



Looking northeast through south from the berm. Note algae in pool.

Looking north from berm with creek on the left and the site on the right.

USGS **3 km SE of Addison, Maine, United States** 16 May 1996

Image courtesy of the U.S. Geological Survey