

ME DOT – Route 3

File No.: 199600361

City and State: Bar Harbor, ME

General Impacts:

- 0.28 acre tidal emergent
- 0.77 acre non-tidal forested
- 0.15 acre non-tidal emergent
- 0.51 acre non-tidal scrub-shrub

Functions and Values Lost: (From EA/SOF)

- Floodflow Alteration
- Water Quality Maintenance
- Wildlife Habitat
- Fish Habitat
- Production Export
- Shoreline Stabilization
- Visual Quality/Aesthetics
- Recreation

Year(s) Mitigation Constructed: May 1998

Size and Type of Mitigation as Proposed:

- 17 acres preserved
- 0.4 acre tidal emergent

Proposed Functions and Values of Mitigation: (from database)

- Aesthetics
- Floodflow Alteration
- Nutrient Removal
- Production Export
- Recreation
- Shore Stabilization
- Sediment Retention
- Wildlife Habitat

Mitigation Special Condition(s):

3. The permittee shall implement a mitigation plan to compensate for the project's impact to 1.7 acres of wetlands. The preliminary details of this plan are described in the document entitled "Preliminary Wetland Mitigation Plan Route 3 Bar Harbor, Maine, MDOT PIN 2625.20", dated "January 1997". This plan, targeting water quality maintenance, floodflow alteration, and wildlife habitat functions, involves the restoration/creation of approximately 0.4 acre of salt marsh, the preservation of

approximately 1.3 acres of tidal and freshwater wetland; and the preservation of approximately 16 acres of freshwater wetlands.

4. In accordance with the schedule contained in the mitigation plan and before construction at the mitigation sites, the permittee shall provide the Corps with a final mitigation plan. This plan is subject to review and approval by the Corps. The plan shall include but not be limited to narratives and final construction plans providing information on wetland species planting locations and densities, predicted ground and surface water levels, rational for hydrologic predictions, and existing/proposed soil conditions. The plan shall also include monitoring and reporting schedules, remediation plans, groundwater monitoring plans, inspection schedules, photographic records, and wildlife species observations.

5. In accordance with the schedule in the mitigation plan, plantings which have died or appear to be in poor health shall be replaced according to the remediation plan or any recommendations that have been approved in writing by the Corps of Engineers. Other remedial actions – coordinated with the Corps – shall occur at the first environmentally appropriate time. If any specimens of *Phragmites* sp. or Purple Loosestrife (*Lythrum salicaria*) appear in the Jones Marsh site during the monitoring period within areas disturbed by the construction activities, the permittee shall inform the Corps of Engineers. In coordination with the Corps, the permittee shall develop a plan and submit it to the Corps to eradicate those species from the affected areas.

6. The mitigation sites described in condition 3 above shall be protected in perpetuity from future development following construction. Remediation and monitoring efforts by the permittee shall be authorized in the Jones Marsh site; however, no other filling, clearing, or other disturbance is authorized. The mitigation areas shall be protected by covenants and restrictions. The permittee shall provide documentary evidence sufficient to verify placement of the covenants and restrictions. This evidence shall be provided to the Corps within ninety (90) days of acquisition in the case of the Fresh Meadow Marsh site and within ninety (90) days of construction completion in the case of the Jones Marsh and Northeast Creek sites.

Remarks:

None

Directions:

Take I-95 north to Bangor, Maine. Then take exit 45A, I-395 east. Take exit 6A, US-1A east towards Ellsworth. In Ellsworth, US-1A ends at Route 1. Go east a short distance to Route 3 towards Bar Harbor. Follow Route 3 through Trenton and cross the bridge onto Mount Desert Island. Site is on the right side of the road about a mile from the bridge.





MITIGATION SITE FIELD DATA FORM

Site Name: MEDOT – Route 3 File No. 199600361

City/Town: Bar Harbor State: ME Waterbody: tidal

Monitor(s): Ruth Ladd, Keith Wright Date: 8-12-02

Was site constructed? yes

Is site wetland? yes

Size of proposed wetland: 0.4 acre

Actual size of wetland: about the same

Landscape position: tidal

Lat/Long Points: 44.41879N 68.34985W

Saved GPS Waypoint name: RT3

GPS Tracking Log Name: N/A

Perimeter: TBD

Surrounding land use:

Tidal marsh, highway

Is wetland function compromised by
surrounding land use?

The highway may contribute pollutants while
deterring wildlife use.

Plant health:

Good

Invasive species:

None observed.

Wildlife use:

Crab holes and small fish were observed.

Plants:

Atriplex patula

Glaux maritima

Juncus balticus

Juncus gerardii

Limonium carolinianum

Plantago maritima

Poaceae sp.

Potentilla anserina

Salicornia sp.

Scirpus robustus ?

Solidago sempervirens

Spartina alterniflora

Spartina cynosuroides

Spartina patens

Suaeda sp.

Triglochin maritimum

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)

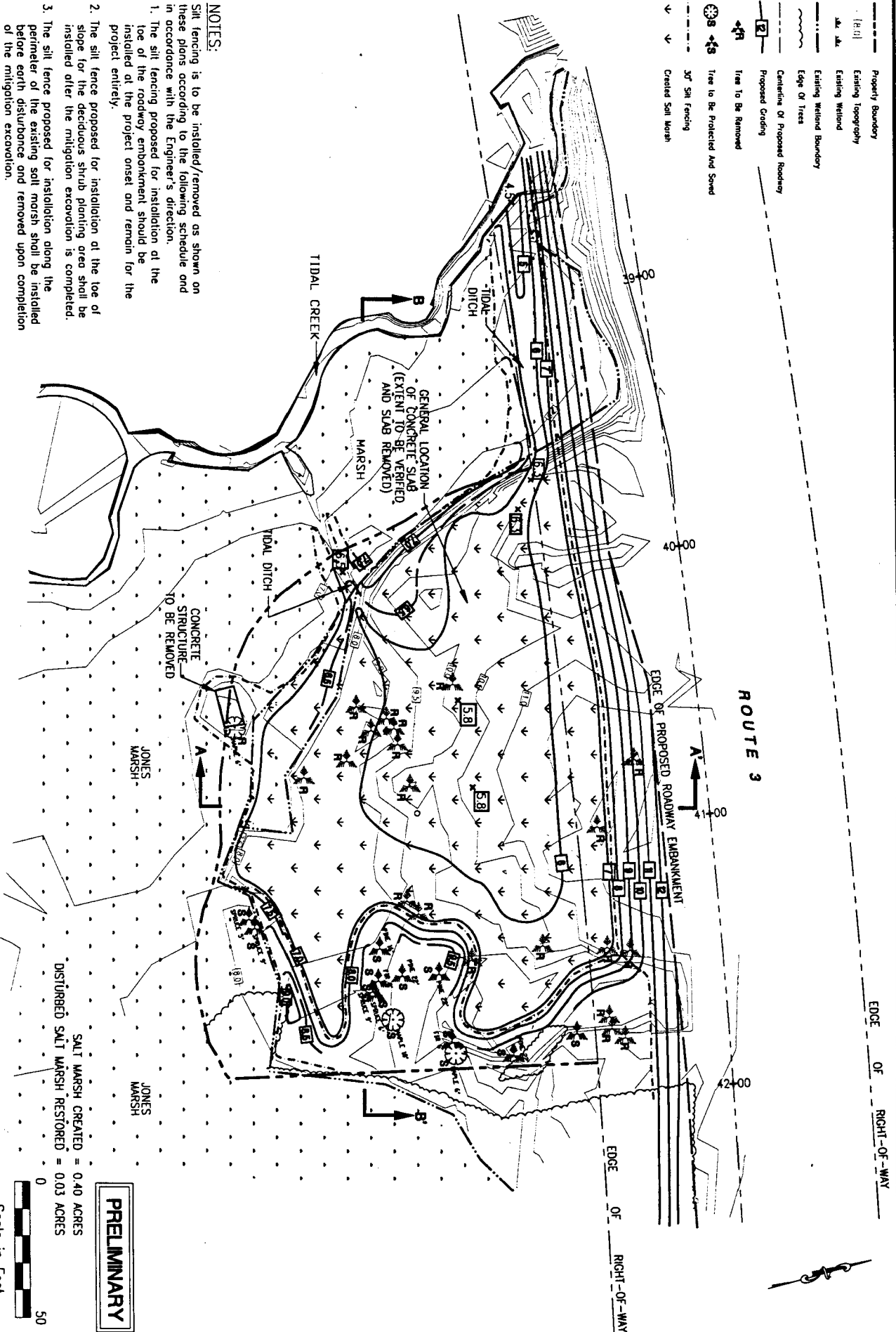
See file.

Overall Description of site:

This site is a tidal marsh adjacent to Route 3, easily identified by the large snag sticking up in the middle and powerlines off in the distance stretching across a natural salt marsh. The site has a 95% cover of a *Juncus* sp. and 5% *Spartina alterniflora*. The principle functions of this site are soil stabilization and nutrient export. The soils for this site were saturated and/or inundated during low tide. Hydrology is fed by a tidal ditch.

Comments, problems, recommendations:

Crown vetch has taken over the enhancement plantings associated with this site. A bare patch 8 x 30 feet exists where plantings did not survive.



Wetland Mitigation Plan

Route 3
Bar Harbor, Maine
(MDOT Ph 2625.20)

Client:

Maine Department
Of Transportation
State House Station 16
Augusta, Maine

Jones Marsh Site
Proposed Conditions

January 1996

Job No. 16-04-0008

Figure 6

1" = 50'



Wetland Function-Value Evaluation Form

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Total area of wetland ~0.3 ac Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? no

Adjacent land use tidal wetland and road Distance to nearest roadway or other development 10 feet

Dominant wetland systems present EEM Contiguous undeveloped buffer zone present 75%

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

How many tributaries contribute to the wetland? 1 (?) Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. _____

Latitude N44.41879 Longitude W68.34985

Prepared by: Ladd Date 8/12/02













Wetland Impact:

Type _____ Area _____

Evaluation based on:

Office _____ Field X

Corps manual wetland delineation completed? Y _____ N X

Function/Value	Suitability Y N		Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge		X			
 Floodflow Alteration		X			
 Fish and Shellfish Habitat	X				tidal marsh
 Sediment/Toxicant Retention	X				source of sediment and toxicants (road)
 Nutrient Removal	X				water flow is diffuse
 Production Export	X			X	detritus development, tidal flushing occurs
 Sediment/Shoreline Stabilization	X				sediment stabilization with generally dense herbaceous vegetation
 Wildlife Habitat	X				associated with large tidal system
 Recreation		X			
 Educational/Scientific Value		X			
 Uniqueness/Heritage		X			
 Visual Quality/Aesthetics	X			X	easily viewed from road with backdrop of large expanse of forested upland and wetland and large salt marsh
ES Endangered Species Habitat		X			none known
Other					

Notes:

* Refer to backup list of numbered considerations.

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MEDOT Route 3
Bar Harbor, ME
8/12/02



Looking southeast, south, and southwest from the road towards the eastern end of the site. Site extends approximately to the dark spot in the upper center of the photo.



Looking southeast, south, and southwest from the road towards the western end of the site.
Creek is in the foreground.



Looking northwest and north from the south side of the site.

USGS 3 km SW of Eden, Maine, United States 14 May 1996



0 100M

0 100yd

Image courtesy of the U.S. Geological Survey
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