

Waste Management – Phase 10

File No.: 199300719

City and State: Norridgewock, ME

General Impacts: 0.22 acre non-tidal forested

Functions and Values Lost: (From EA/SOF)

- Groundwater Recharge
- Floodflow Alteration
- Water Quality Maintenance
- Shore Stabilization
- Wildlife Habitat

Year(s) Mitigation Constructed: December 1998

Size and Type of Mitigation as Proposed:

- 0.51 acre non-tidal forested
- 0.24 acre non-tidal scrub-shrub

Proposed Functions and Values of Mitigation: (from database)

- Floodflow Alteration
- Wildlife Habitat
- Water Quality Maintenance

Mitigation Special Condition(s):

3. The permittee shall implement a mitigation plan to compensate for the project's impact to 0.2 acre of wetlands. The preliminary details of this plan are described in the attached document entitled "Waste management Disposal Services of Maine-Crossroads, Wetland Mitigation for Phase X Impacts", dated "January 1993". This plan involves the creation and enhancement of approximately 0.51 acre of mixed forested wetland and 0.23 acre of shrub swamp on site.

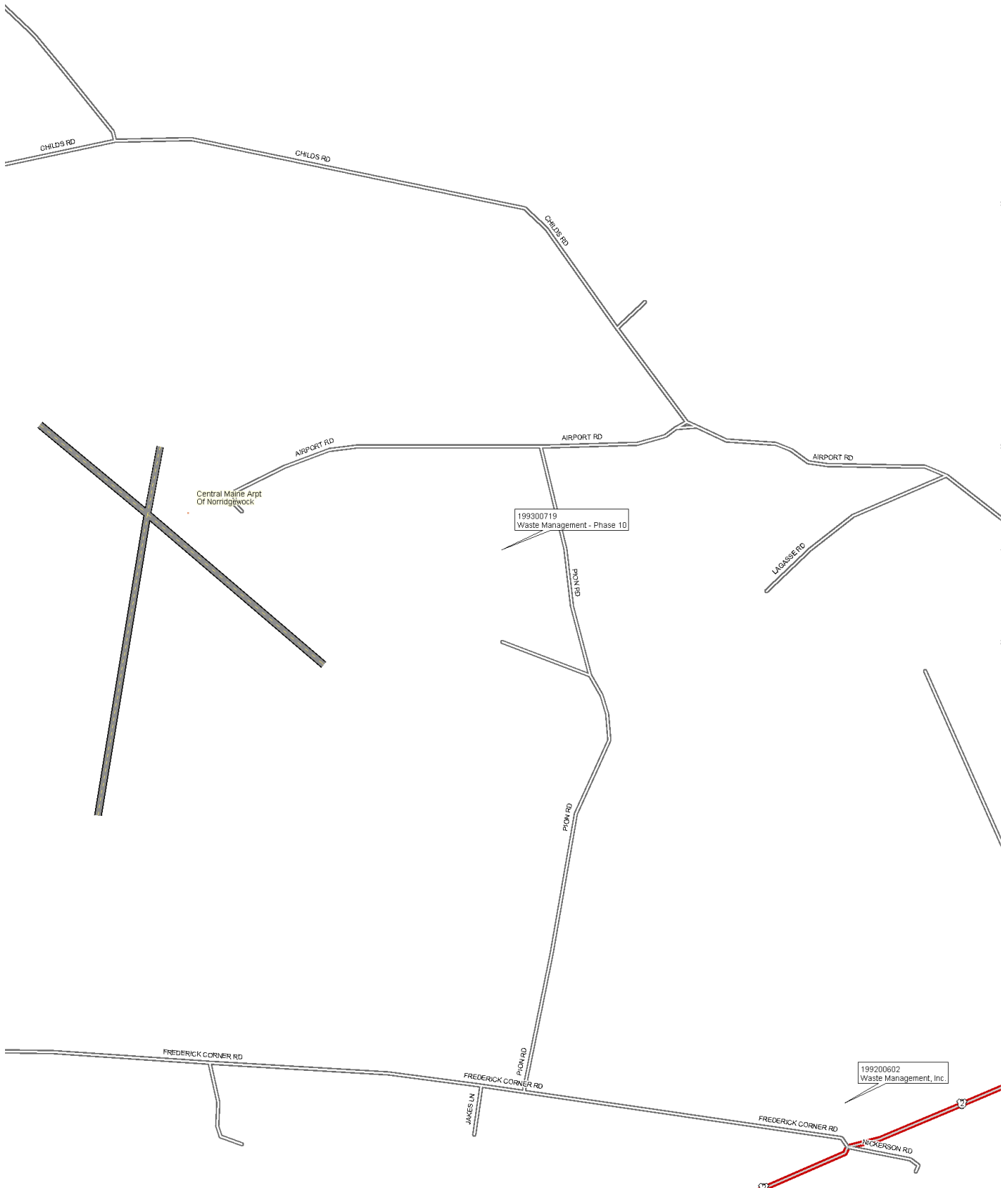
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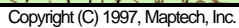
None

Directions:

Take 128/95 north. When road splits, bear right staying on I-95 north. Take exit 6A, I-295 north toward South Portland/Portland Downtown. I-295 north becomes I-95 north. Take exit 31B, ME-8 north/ME-11 north/ME-27 north, toward Augusta. Merge onto Civil Center Drive. Civic Center Drive becomes Belgrade Road. Belgrade Road

becomes ME-11. Stay straight to go onto ME-27. Turn right onto Mercer Road. Mercer Road becomes US-2.





MITIGATION SITE FIELD DATA FORM

Site Name: Waste Management – Phase 10 File No. 199300719

City/Town: Norridgewock State: ME Waterbody: none

Monitor(s): Paul Minkin, Keith Wright, Kathleen McKee, Leanne Neal Date: 8-1-02

Was site constructed? yes

Is site wetland? questionable

Size of proposed wetland: 0.74 acre

Actual size of wetland: TBD

Landscape position: TBD

Lat/Long Points: 43.57683N 70.32451W

Saved GPS Waypoint name: WASME1

GPS Tracking Log Name: N/A

Perimeter: TBD

Surrounding land use:

Landfill

Is wetland function compromised by
surrounding land use?

Wildlife function compromised by landfill
activity.

Plant health:

Good

Invasive species:

Phalaris arundinacea

Wildlife use:

Nibbled plants at deer height,
Cedar waxwing.

Plants:

Abies balsamea

Alnus rugosa

Carex lurida

Carex sp. (ovales)

Carex vulpinoidea

Cornus amomum

Equisetum sp.

Eupatorium perfoliatum

Galium sp.

Juncus effusus

Lycopus virginicus

Lysimachia terrestris

Mentha piperita

Mimulus ringens

Onoclea sensibilis

Phalaris arundinacea

Populus tremuloides

Potentilla sp.

Rumex crispus

Salix discolor

Scirpus cyperinus

Scirpus microcarpus

Solidago sp.

Tanacetum sp.

Thistle

Typha latifolia

Viburnum dentatum

Vicia sp.

Soils Data:

Soil Plot 1

DEPTH	HORIZON	MATRIX	REDOX	COMMENTS
0 – 7”	A	2.5Y 5/3	starts at 6.5”	silt loam, compacted, dry, structureless
7 – 10.5	B	2.5Y 4/3	at ~8”, red mottles	silt loam, platy and dry
10.5+	C	5Y 4/2		clay, impervious layer

Soil Plot 2

DEPTH	HORIZON	MATRIX	REDOX	COMMENTS
0 – 4”	A	5GY 5/1	40% red mottles and concretions	silty clay loam
4 – 9	A2	10YR 4/3	40 % redox, oxidized rhizospheres	fine sandy loam
9 – 11	C			multicolor sand, grey and tan
11+	C2	5Y 7/2	concentrations and depletions	clay layer

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

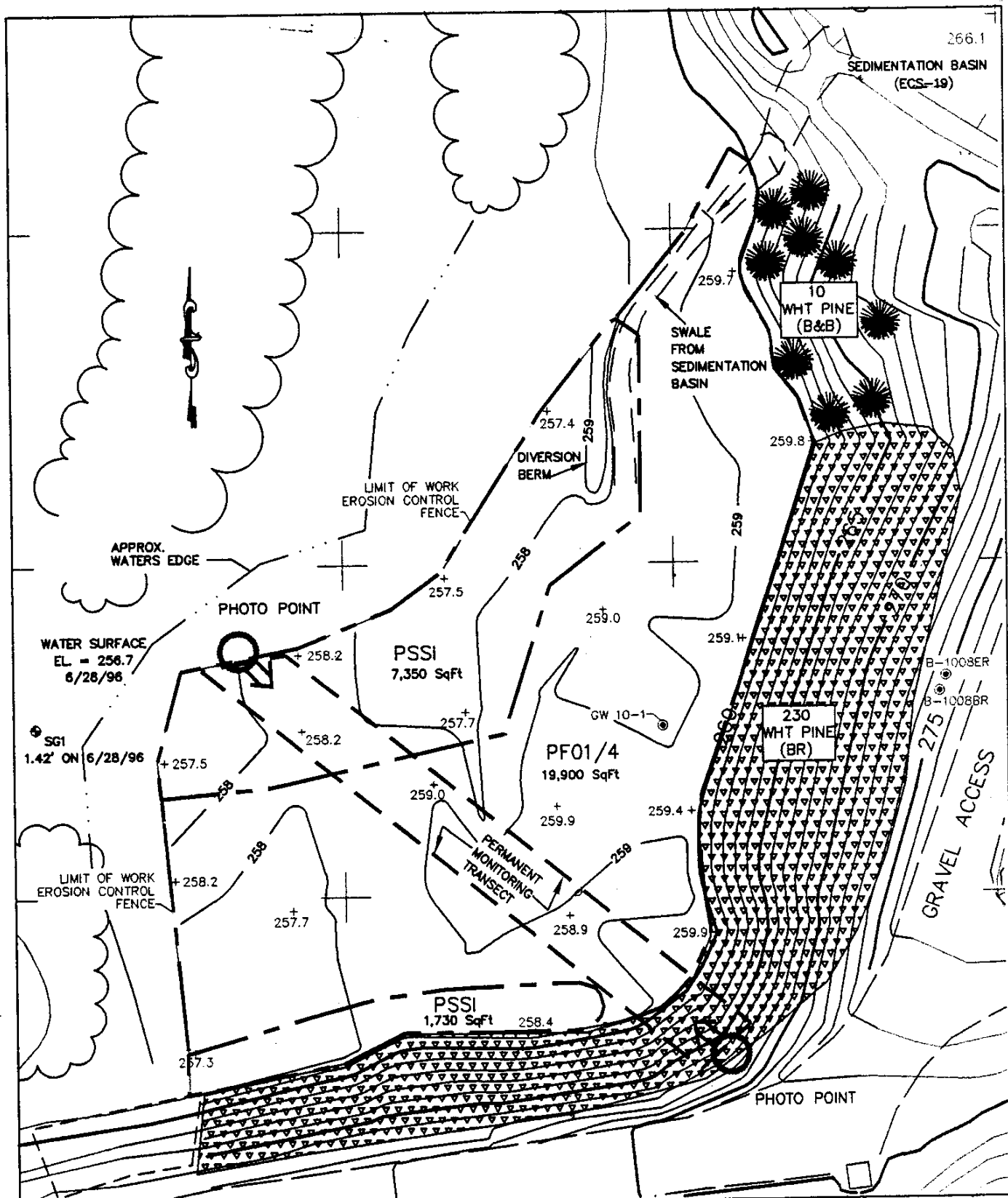
See file.

Overall Description of site:

Site is immediately surrounded by steep embankment and more generally surrounded by a landfill operation. One side is bordered by a natural wetland that is located six inches below the surface of the mitigation site. The site appears to be clay lined.

Comments, problems, recommendations:

Soils were not hydric throughout the site. A delineation would be necessary in order to determine if this site is in compliance with its permit.



**FIGURE 1: AS-BUILT PLAN FOR
PHASE 10 WETLAND MITIGATION SITE**

APPLICANT: Waste Management Disposal Services of Maine
NORRIDGEWOCK, SOMERSET COUNTY, MAINE
**CROSSROADS LANDFILL
PHASE 10 EXPANSION**



NORMANDEAU ASSOCIATES INC.
ENVIRONMENTAL CONSULTANTS
25 Nashua Road Bedford, New Hampshire 03110-5500

Wetland Function-Value Evaluation Form

Waste Management Phase
Wetland I.D. 10 199300719
Latitude N43.57683 Longitude W70.32451
Prepared by: Minkin Date 8/1/02
Wetland Impact: Type Area

Total area of wetland <0.75 ac. Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? no
Adjacent land use landfill, road, wetland Distance to nearest roadway or other development 20 feet
Dominant wetland systems present PSS/EM Contiguous undeveloped buffer zone present 30%
Is the wetland a separate hydraulic system? no If not, where does the wetland lie in the drainage basin? upper
How many tributaries contribute to the wetland? Wildlife & vegetation diversity/abundance (see attached list)

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			not associated with water course
Fish and Shellfish Habitat	X			
Sediment/Toxicant Retention	X	1,2,7	X	between landfill roads and natural wetlands
Nutrient Removal	X	3,4,9,10		well vegetated
Production Export	X	1,2,4		probably small
Sediment/Shoreline Stabilization	X			
Wildlife Habitat	X	6,7,8,14,17,19,21	X	deer browse, cedar waxwing
Recreation	X			
Educational/Scientific Value	X			
Uniqueness/Heritage	X			
Visual Quality/Aesthetics	X			nicer than landfill
ES Endangered Species Habitat	X			
Other				

Notes: * Refer to backup list of numbered considerations.

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Norridgewock, ME
8/1/02



Looking north across site from embankment below access road on south side of site.



Looking west across site.



Close-up of interior of site.

USGS 12 km SW of Skowhegan, Maine, United States 07 May 1996



0 200M

0 200yd

Image courtesy of the U.S. Geological Survey
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