

Libbey Industrial Park

File No.: 199602547

City and State: Weymouth, MA

General Impacts: 0.69 acre non-tidal emergent

Functions and Values Lost: Unable to tell from file or database.

Year(s) Mitigation Constructed: December 1998

Size and Type of Mitigation as Proposed: 0.58 acre non-tidal wet meadow

Proposed Functions and Values of Mitigation: (from database) Wildlife Habitat

Mitigation Special Condition(s):

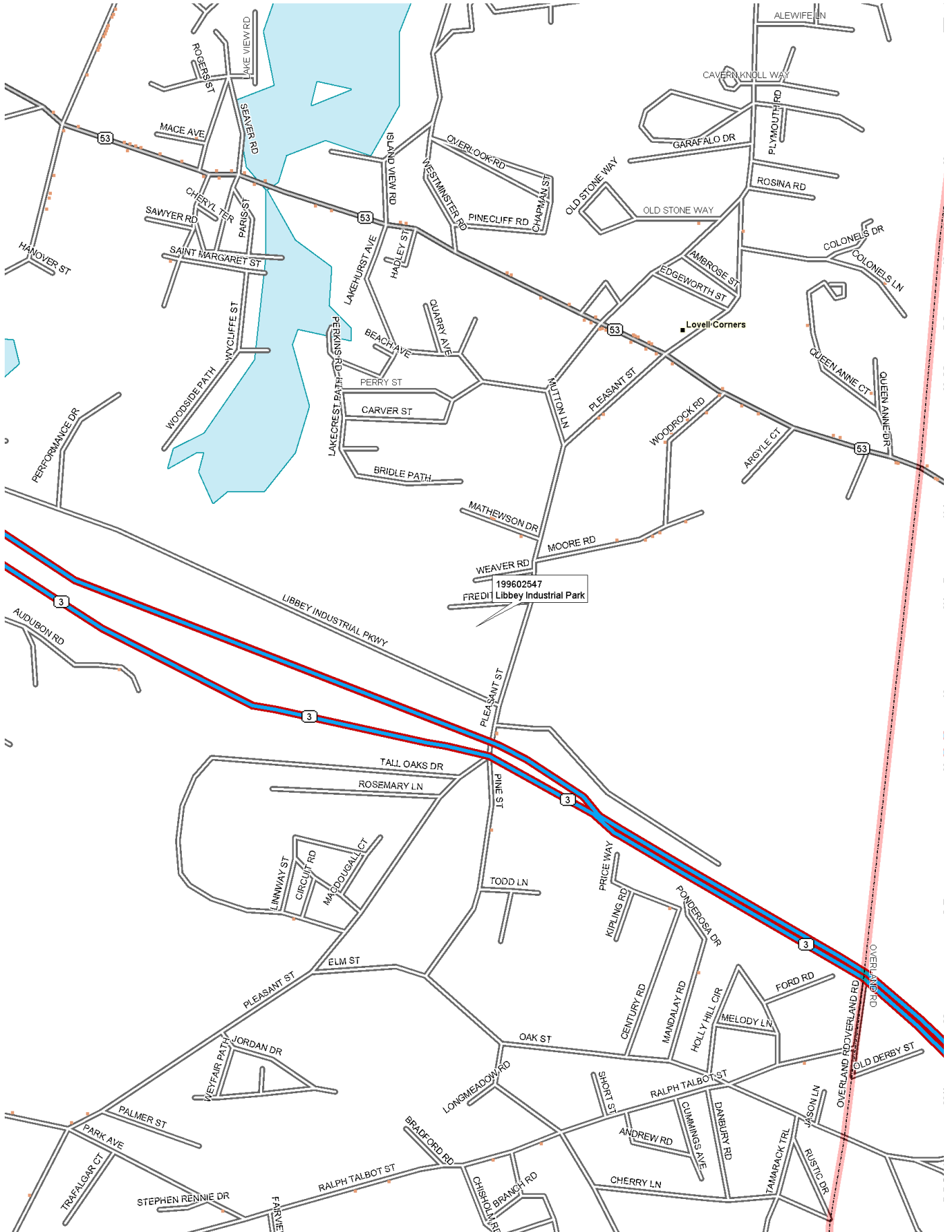
1. Approximately 25,099 sf of former wetlands which were filled or altered are to be completely restored in accordance with the two plans entitled "Site Development Plans, Libby Industrial Corporate Park in Weymouth, MA, Grading Plan, Wetland Restoration and Mitigation Plan" and dated "March 20, 1996 and last revised 10/22/97" and shown as areas labeled "Wetland Restoration" before September 30, 1998 with additions.

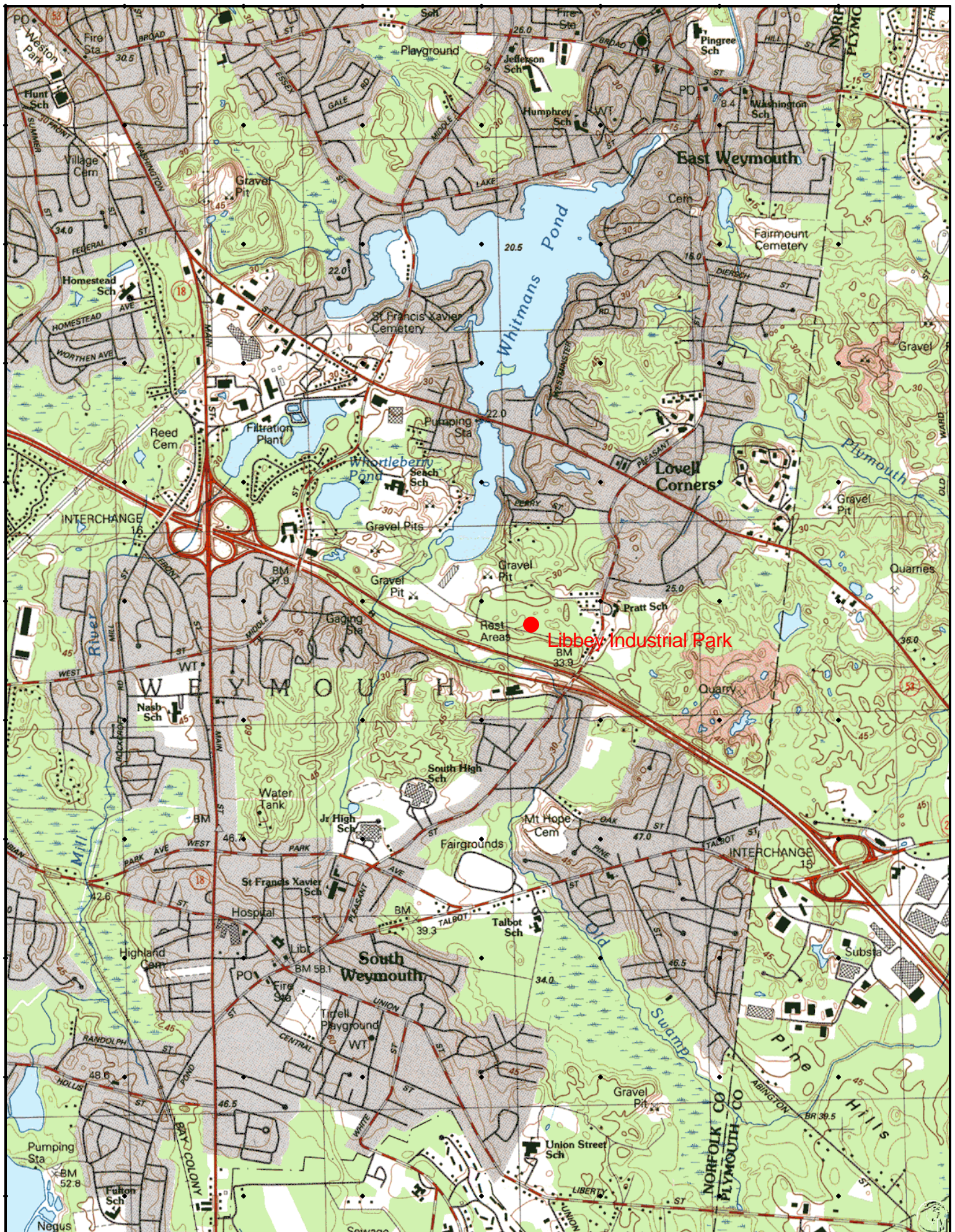
Remarks:

None

Directions:

Take 128/95 south. It turns into I-93 north. When the road splits, bear right going onto Route 3 south. Take exit 16B, Route 18 south. Follow Main Street. Then take a left onto Middle Street then a right onto the Libbey Industrial Parkway. Proceed on this road until you reach the Libbey Industrial Park. Enter the park. The mitigation site is to the rear of the buildings.





MITIGATION SITE FIELD DATA FORM

Site Name: Libbey Industrial Park File No. 199602547

City/Town: Weymouth State: MA Waterbody: _____

Monitor(s): Paul Minkin, Kathleen McKee, Keith Wright Date: 6-12-02

Was site constructed? yes

Is site wetland? yes

Size of proposed wetland: 0.58 acre

Actual size of wetland: app. 0.58 acre

Landscape position: created depression

Lat/Long Points: 42.19137N W070.93504

Saved GPS Waypoint name: LIB

GPS Tracking Log Name: N/A

Perimeter: TBD

Surrounding land use:
Residential, industrial park

Is wetland function compromised by
surrounding land use?
Yes—potential runoff from lawns and parking
lot. Land use also disrupts unbroken natural
border.

Plant health:
Good except for *Chamaecyparis thyoides*.

Invasive species:
Lythrum salicaria

Wildlife use:
Red-winged blackbird, gold finch, green frog,
blue heron, snappers reported

Plants:

Brasenia schreberi (in pond)
Carex lurida
Carex sp.
Carex sp. (ovales)
Chamaecyparis thyoides
Chamaecyparis thyoides (2 unhealthy, 4 dead,
9 healthy)
Hypericum sp.
Juncus acuminatus
Juncus canadensis
Juncus effusus
Leersia virginica
Lythrum salicaria
Scirpus cyperinus
Typha latifolia

Soils Data:

DEPTH	HORIZON	MATRIX	REDOX	COMMENTS
0 – 1”	A			medium sandy loam, 40% gravelly
1 – 13	Oib	10YR 2/2		on mound, most spots 6” soil over riprap
13 – 38	Oeb	10YR 2/1		mucky peat

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.

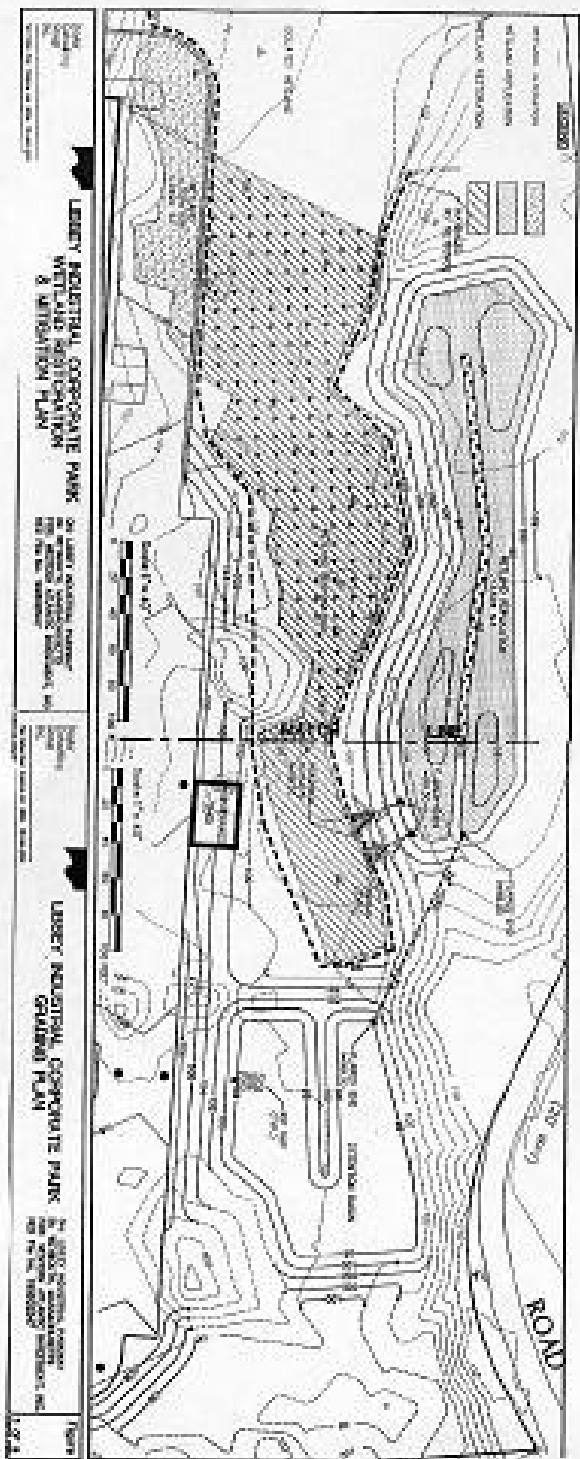
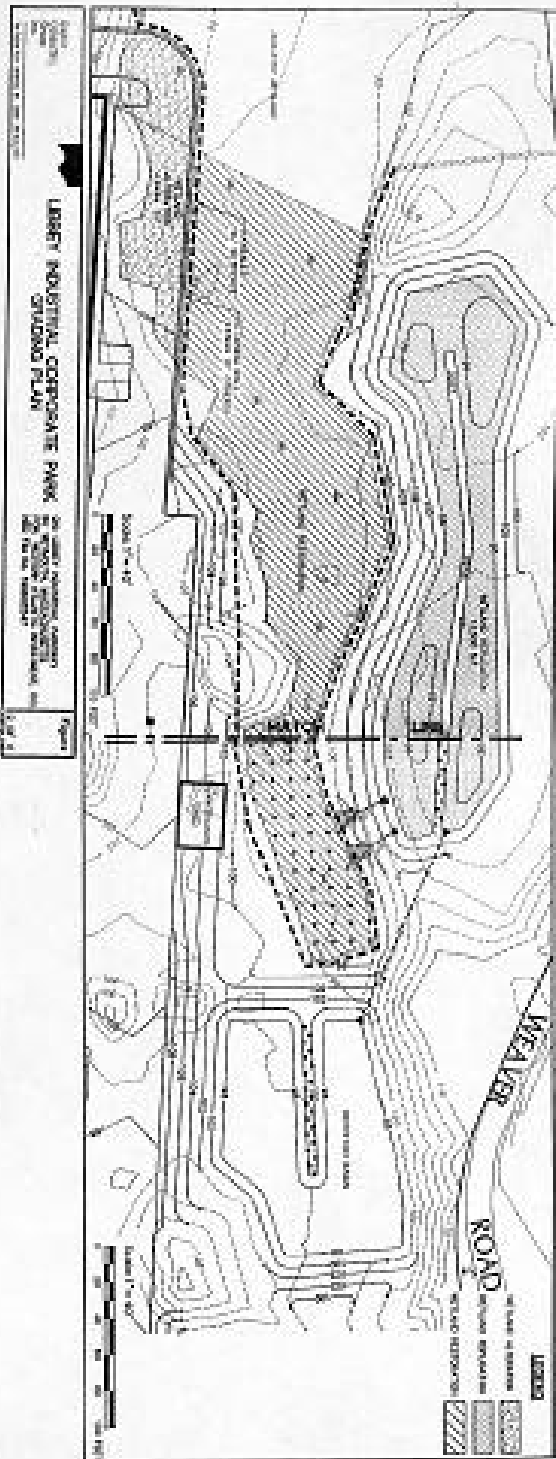
Overall Description of site:

None.

Comments, problems, recommendations:

Note that there is a restoration site closer to the parking lot and a creation site beyond it. Project manager noted that the creation site was state-ordered. This report focuses on the Corps-required restoration site.

This site was supposed to mitigate for functions and values lost due to the development on a wetland characterized by a scrub shrub community. However, the mitigation site did not contain any shrubs and plant diversity was low.



Wetland Function-Value Evaluation Form

Total area of wetland 1.13 ac Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? yes

Adjacent land use parking lot, housing Distance to nearest roadway or other development 30 feet

Dominant wetland systems present PEM Contiguous undeveloped buffer zone present no

Is the wetland a separate hydraulic system? yes If not, where does the wetland lie in the drainage basin? _____

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

Libbey Industrial Park
Wetland I.D. 199602547













Latitude N42.19137 Longitude W70.93504

Prepared by: Wright Date 6/25/02

Wetland Impact:
Type _____ Area _____

Evaluation based on:
Office _____ Field X

Corps manual wetland delineation
completed? Y X N _____

Function/Value	Suitability Y N		Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge		X			
 Floodflow Alteration	X		5,6,7		
 Fish and Shellfish Habitat		X			
 Sediment/Toxicant Retention	X		1,2,3,4,5	X	
 Nutrient Removal	X		3,4,5,7,8,9		
 Production Export	X		1,2,4,7,9		
 Sediment/Shoreline Stabilization		X			
 Wildlife Habitat	X		8,11,13,14,19,20		
 Recreation		X			
 Educational/Scientific Value		X			
 Uniqueness/Heritage		X			
 Visual Quality/Aesthetics		X			
ES Endangered Species Habitat		X			
Other					

Notes:

* Refer to backup list of numbered considerations.

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Libbey Industrial Park
Weymouth, MA
6/12/02



Typical view of site: shrubs on the edges and herbaceous vegetation in the middle (lowest area)



View showing proximity of site to development



Looking west toward pre-existing forest



One of the wetter portions of the site. Note *Lythrum salicaria* on the left.

USGS 9 km E of Randolph, Massachusetts, United States 29 Mar 1995



0 200M

0 200yd

Image courtesy of the U.S. Geological Survey
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