

# RI DOT – Route 138

**File No.:** 198702200

**City and State:** North Kingstown, RI

**General Impacts:** 1.1 acres combination of wetlands

**Functions and Values Lost:**

- Wildlife Habitat
- Floodflow Alteration
- Sediment/Toxicant Retention
- Nutrient Removal
- Production Export
- Sediment/Shoreline Stabilization

**Year(s) Mitigation Constructed:** May 1991

**Size and Type of Mitigation as Proposed:** 1.3 acres emergent

**Proposed Functions and Values of Mitigation:**

- Floodflow Alteration
- Sediment/Toxicant Retention
- Nutrient Removal
- Production Export
- Sediment/Shoreline Stabilization
- Wildlife Habitat

**Mitigation Special Condition(s):**

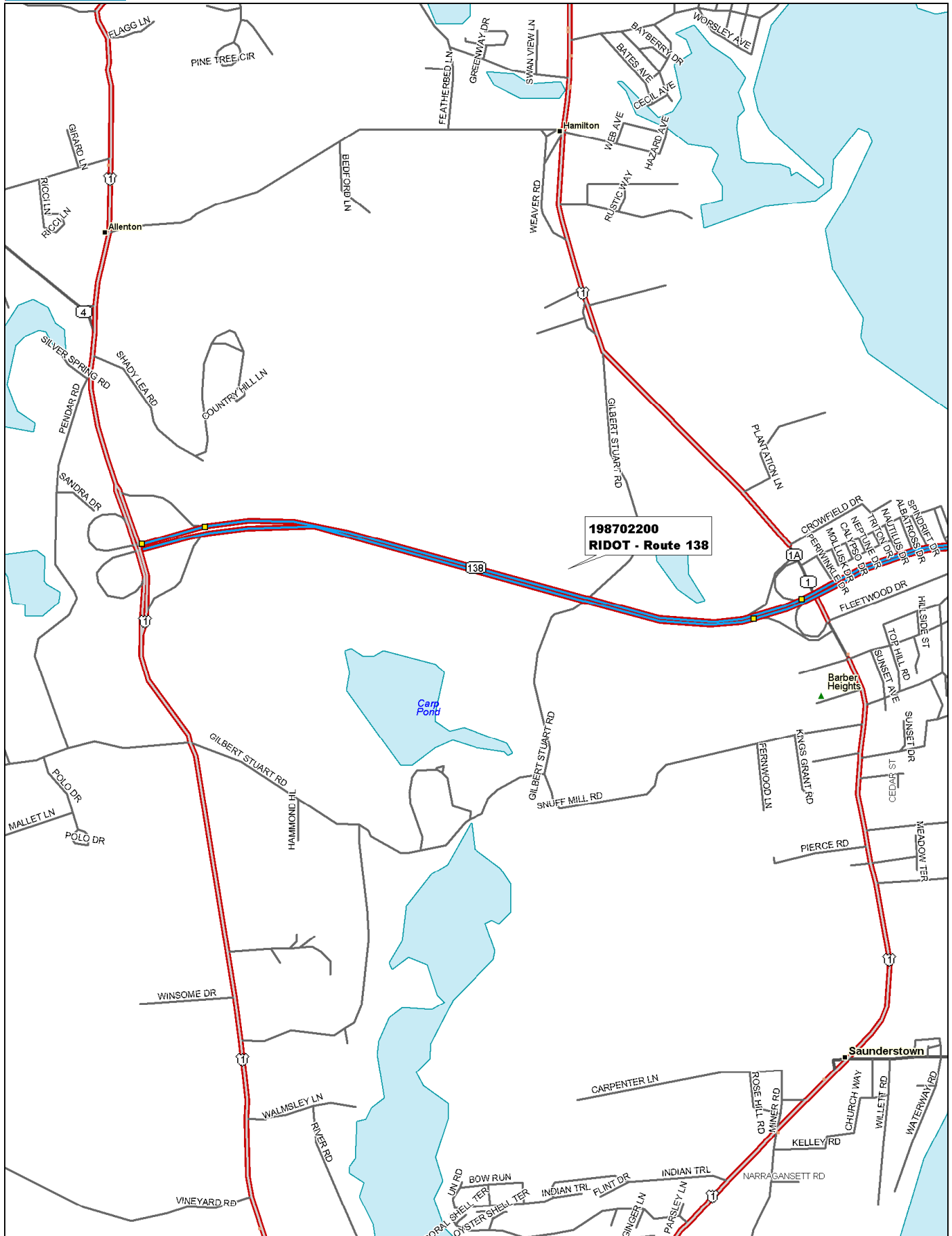
Unable to find permit.

**Remarks:**

None

**Directions:**

Take 128/95 south towards Dedham/Providence, RI. Take exit 12, I-95 south towards Providence, RI. Take exit 9, Newport/S County. Merge onto RI-4 south. Turn left onto West Allenton Road. Turn left onto Tower Hill Road/US-1.





## MITIGATION SITE FIELD DATA FORM

Site Name: RI DOT Rt. 138 File No. 198702200

City/Town: North Kingstown State: RI Waterbody:

Monitor(s): Ladd, Minkin, Barbeau Date: 9-19-02

Was site constructed? yes

Is site wetland? yes, in part

Size of proposed wetland: 1.3 acres

Actual size of wetland: TBD

Landscape position: low area alongside road

Lat/Long Points: N/A

Saved GPS Waypoint name: 138

GPS Tracking Log Number: N/A

Perimeter: TBD

Surrounding land use:

Wooded and shrubby, highway along one side

Is wetland function compromised by  
surrounding land use?

water in pond on highway side cloudy.

Plant health:

TBD

Invasive species:

Elaeagnus sp. on upper edges,

Phragmites australis, Lythrum salicaria.

Wildlife use:

Deer trails and tracks, green frogs, dragonflies

**Plants:**

*Brasenia schreberi* (in pond)

*Carex lurida*

*Decodon verticillatus*

*Eleocharis* sp.

*Euthamia graminifolia*

*Juncus acuminatus*

*Juncus canadensis*

*Juncus effusus*

*Lactuca* sp.

*Ludwigia palustris*

*Lythrum salicaria*

*Myriophyllum* sp.? *Cabomba*? (submergent)

*Nymphaea odorata*

*Onoclea sensibilis*

*Peltranda virginica*

*Phragmites australis*

*Polygonum* spp.

*Pontederia cordata*

*Proserpinaca palustris*

*Scirpus fluviatilis*

*Sparganium* sp.

*Sphagnum* sp.

*Spiraea tomentosa*

*Typha angustifolia*

*Typha latifolia*

**On upslope island:**

*Andropogon glomeratus*

*Phragmites australis*

*Scirpus expansus*

*Spiraea* sp.

**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:**

Elongate pond bordered by cattail marsh next to highway, with steep graded sides; open water in middle.

**Comments, problems, recommendations:**

Upper portion of wetland shelf (scrub-shrub) may not have adequate hydrology. Dead trees along road side of pond.





# Wetland Function-Value Evaluation Form

198702200, RIDOT-rt. 138

Total area of wetland 1.3 acres Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? no

Adjacent land use forested, highway Distance to nearest roadway or other development 10 feet

Dominant wetland systems present PEM Contiguous undeveloped buffer zone present 60%

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

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

Wetland I.D. 198702200













Latitude N41 32.773 Longitude W71 27.950

Prepared by: PM, RL Date 9-19-02

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			unknown
 Floodflow Alteration	X	5,6,7,8,9		depressional area adjacent to highway
 Fish and Shellfish Habitat	X			potential for small, warm water fish
 Sediment/Toxicant Retention	X	1,2,3,5,9	X	located along highway
 Nutrient Removal	X	2,3,4,5,9,10,		adjacent to highway, dense vegetation
 Production Export	X	1,2,4,9		plant nutrient production
 Sediment/Shoreline Stabilization	X	2,3,5,6,15		dense vegetation
 Wildlife Habitat	X	3,5,7,8,11,19		deer, green frogs, dragonflies; degraded location
 Recreation	X			down slope adjacent to busy highway
 Educational/Scientific Value	X			down slope adjacent to busy highway
 Uniqueness/Heritage	X			down slope adjacent to busy highway
 Visual Quality/Aesthetics	X			down slope adjacent to busy highway
<b>ES</b> Endangered Species Habitat	X			none known at site
Other				

Notes:

\* Refer to backup list of numbered considerations.



198702200  
Rhode Island Department of Transportation Rt. 138  
North Kingstown, RI  
9-19-02



Looking E and S from near NE corner.



Looking E and S from NW corner.





Looking W and NW from SE corner.

USGS 233 km NE of New York, New York, United States 29 Mar 1995



0 200M

0 200yd

Image courtesy of the U.S. Geological Survey  
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