

Five Town RCSD

File No.: 199801231

City and State: Lincolnville, ME

General Impacts: 2.98 acres

Functions and Values Lost: (From EA/SOF)

Floodflow Alteration
Wildlife Habitat
Water Quality Maintenance

Year(s) Mitigation Constructed: Approximately late 1998-fall 1999.

Size and Type of Mitigation as Proposed:

0.72 acre on-site enhancement
9.0 acres of on-site preservation
6.1 acres off-site enhancement, restoration, creation, and preservation

Proposed Functions and Values of Mitigation: (From EA/SOF)

Floodflow Alteration
Sediment/Toxicant Retention
Wildlife Habitat

Mitigation Special Condition(s):

3. The permittee shall implement a mitigation plan to compensate for the project's impact to 2.98 acres of wetlands. The preliminary details of this plan are described in the document entitled "Five Town High School Route 90, Rockport, Maine Mitigation Plan" dated "June 1998". This plan, targeting lost water quality maintenance, floodflow alteration, and wildlife habitat functions, involves the on-site enhancement of approximately 0.72 acre of forested wetlands and the preservation of approximately 9 acres of wetland on site. Off-site mitigation consists of a combination of restoration, enhancement, wetland creation, and preservation of 6.1 acres abandoned gravel pit adjacent to the Ducktrap River at Lincolnville, Maine on property owned by the Coastal Mountain Land Trust.

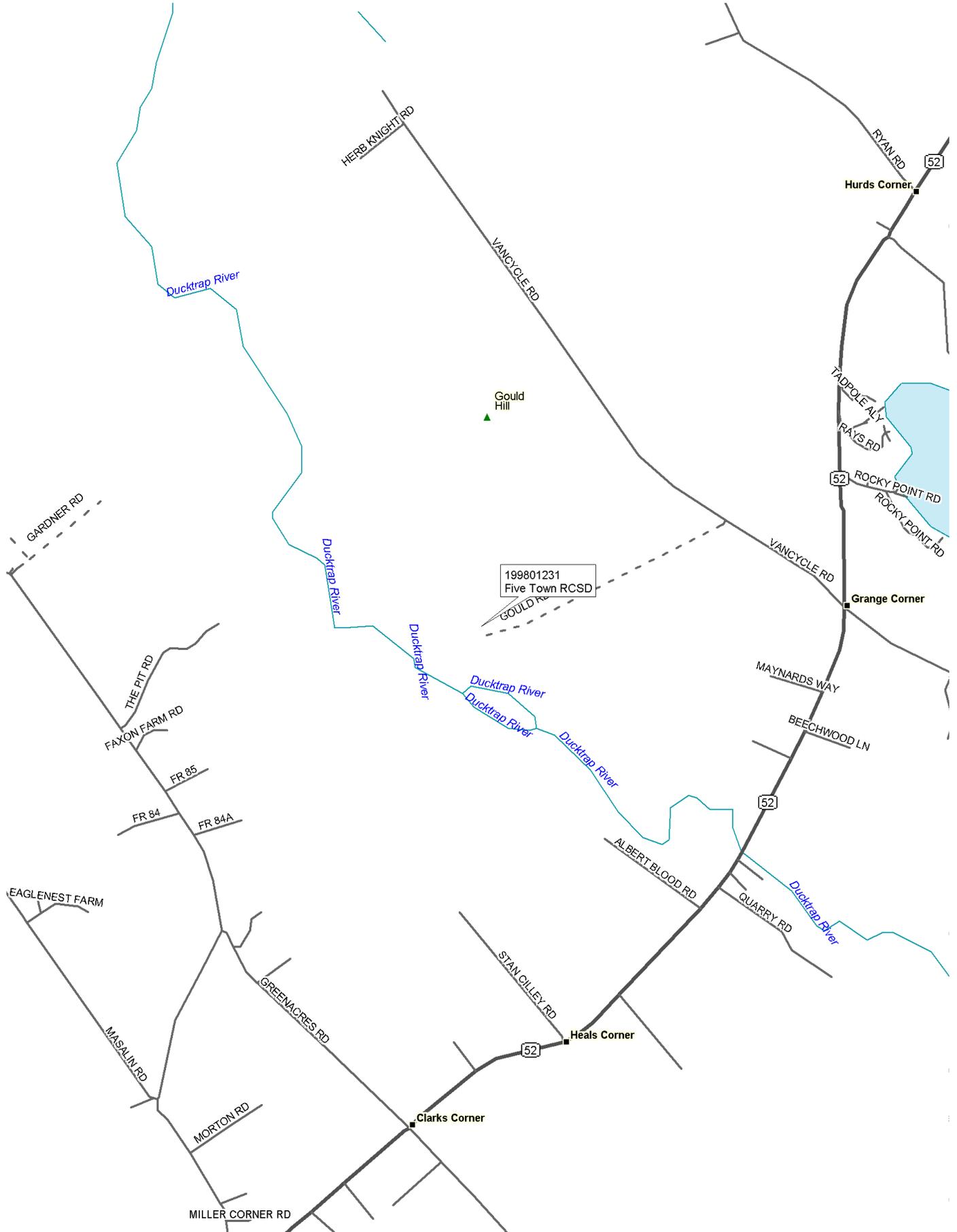
Remarks:

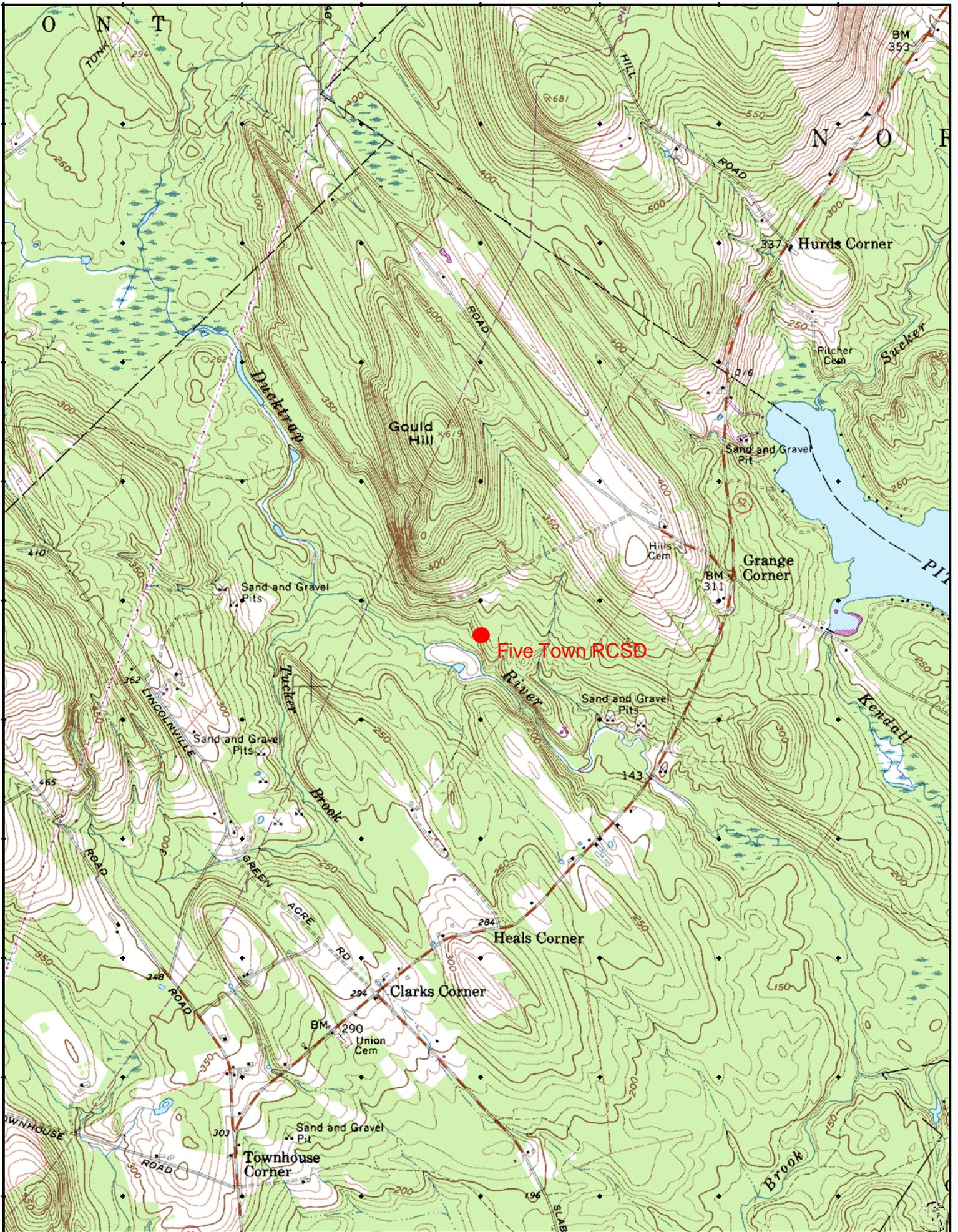
None

Directions:

Take I-95 north to Augusta, ME. Take route 202 east exit and follow route 202 to route 3 east to route 173 east in Liberty. Take route 173 east to route 52 north in Lincolnville

Center. Follow route 52 for 3-4 miles (will cross Greenacres Road) to Ducktrap River. Gated trail is on north side of river. Follow trail across 2 streams. Site is on the right just after the second stream.





MITIGATION SITE FIELD DATA FORM

Site Name: Five Town RCSD File No. 199801231

City/Town: Lincolntonville State: ME Waterbody: Ducktrap River

Monitor(s): Ruth Ladd, Keith Wright Date: 08-12-02

Was site constructed? yes

Is site wetland? no

Size of proposed wetland: 0.5 acre

Actual size of wetland: TBD

Landscape position: TBD

Lat/Long Points: 44.33182N 069.06548W

Saved GPS Waypoint name: 5T1 through 5T7

GPS Tracking Log Name: TBD

Perimeter: TBD

Surrounding land use:

Nature preserve

Is wetland function compromised by surrounding land use?

No

Plant health:

Stressed and sparse

Invasive species:

Lotus corniculatus

Wildlife use:

Many grasshoppers

Plants:

- Acer rubrum*
- Alnus rugosa*
- Carex* sp. (ovales)
- Coreopsis* sp.
- Eupatorium perfoliatum*
- Euthamia graminifolia*
- Lotus corniculatus*
- Panicum clandestinum*
- Phleum pratense*
- Poaceae spp. (several)
- Populus tremuloides*
- Salix* sp.
- Sambucus canadensis*
- Spiraea latifolia*
- Trifolium pratense*
- Verbena hastata*
- Vicia* sp.

In wet corner:

- Carex lurida*
- Juncus effusus*
- Typha* sp.

Soils Data:

Soils data was 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 appears to lack wetland hydrology. It is a dry meadow. It is located just past the second stream when one is walking along the path that leads from Route 52 just north of the Ducktrap River. The site is an open area surrounded by trees. The topography is pit and mound. The site succeeded with the goal of soil stabilization but not in creating a wetland.

Comments, problems, recommendations:

Hydrology is clearly lacking for this site. This should be discussed with the project manager with an eye toward finding a solution to this problem.

PLANTING SCHEDULE

PLANTING METHODOLOGY

All species of herbaceous and woody plants to be used in conjunction with erosion and streambank stabilization at the site have been chosen for their adaptability to native soils, and their ability to stabilize disturbed areas. The species listed below of each category within the region, and an estimate of potential abundance possible will be used. Plantings will be done by hand to help assure their successful establishment.

Upland Planting Area:

Type	Common Name	Scientific Name	Size	Density
Stem root	Eastern white pine	Pinus strobus	2"-4"	100/acre
Stem root	Red maple	Acer rubrum	2"-4"	100/acre
Stem root	Gray Birch	Betula populifolia	2"-4"	100/acre
Stem root	Yellow Birch	Betula laricina	2"-4"	100/acre

Scrub/Shrub Planting Area:

Type	Common Name	Scientific Name	Size	Density
Stem root	Blackberry	Rubus occidentalis	12"-14"	200/acre
Stem root	Spotted Aster	Aster sparganii	12"-14"	200/acre
Stem root	Blackberry	Rubus occidentalis	12"-14"	200/acre
Stem root	Red maple	Acer rubrum	24"-30"	100/acre

Emergent Planting Area:

Type	Common Name	Scientific Name	Density
Plug	Planting macrocarpa	Spartina patens	400/acre
Seed	Soft stem bulrush	Scirpus americanus	2 seeds/acre
Seed	Soft stem bulrush	Scirpus americanus	2 seeds/acre
Seed	Soft stem bulrush	Scirpus americanus	2 seeds/acre

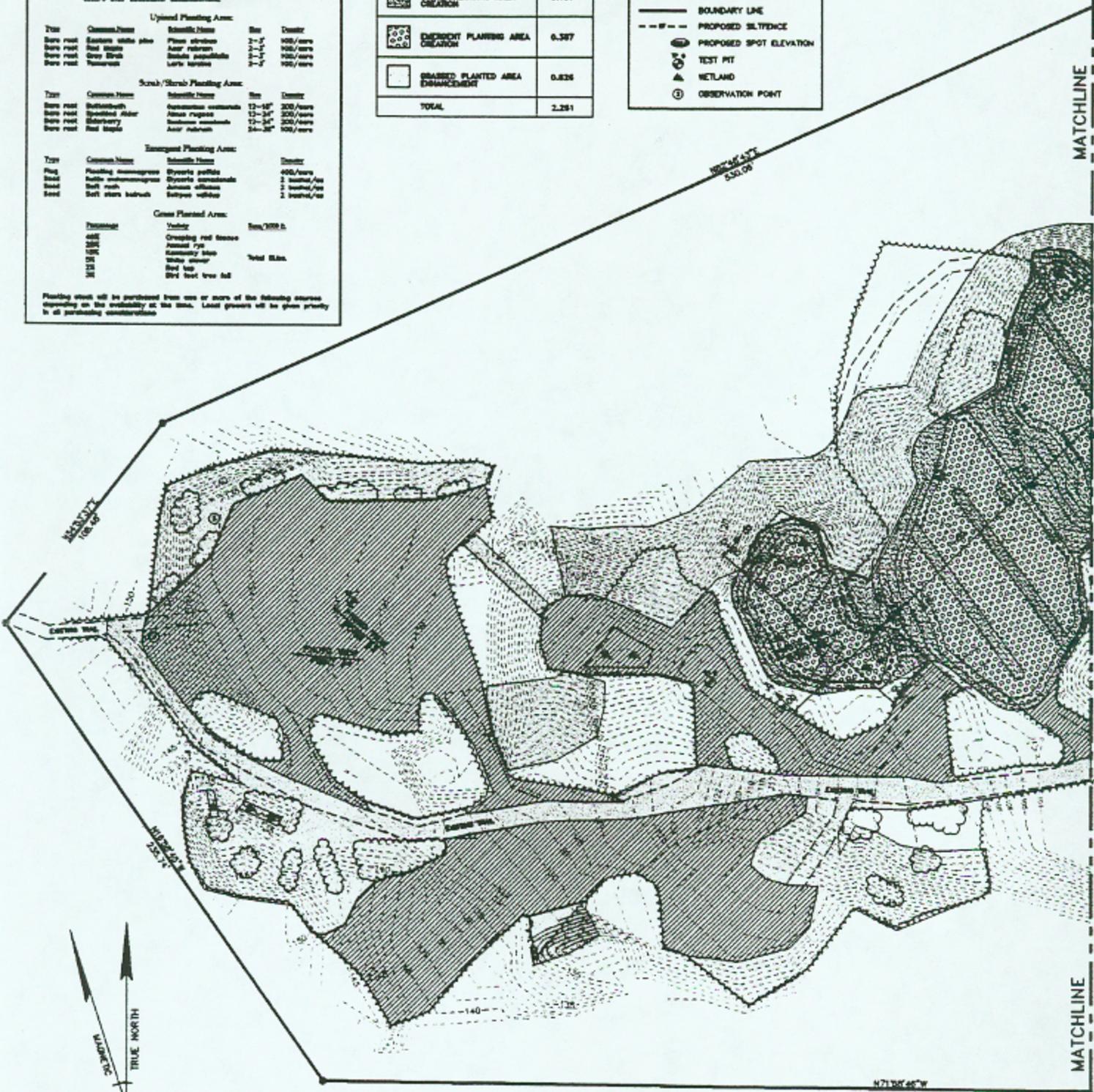
Grass Planting Area:

Type/Seed	Scientific Name	Size/Rate
400	Cracking red fescue	See above
200	Annual ryegrass	
100	Perennial ryegrass	
50	White clover	Total 500/acre
25	Red top	
25	Red top low cut	

Planting stock will be purchased from one or more of the following sources depending on the availability at the time. Local growers will be given priority in all purchasing considerations.

COASTAL MOUNTAIN LAND TRUST SITE COMPENSATION SUMMARY	
LOCATION	ACREAGE
UPLAND PLANTING AREA (TREE & BUSH ESTABLISHMENT)	0.881
SHRUB PLANTING AREA CREATION	6.197
EMERGENT PLANTING AREA CREATION	6.387
GRASS PLANTING AREA DISBURSEMENT	0.826
TOTAL	2.281

LEGEND	
●	IRON PIN (TO BE SET)
~~~~~	EXISTING VEGETATION
- - - - -	EXISTING CONTOUR
- - - - -	PROPOSED CONTOUR
—	BOUNDARY LINE
- - - - -	PROPOSED SETBACK
○	PROPOSED SPOT ELEVATION
⊙	TEST PIT
▲	WETLAND
⊙	OBSERVATION POINT



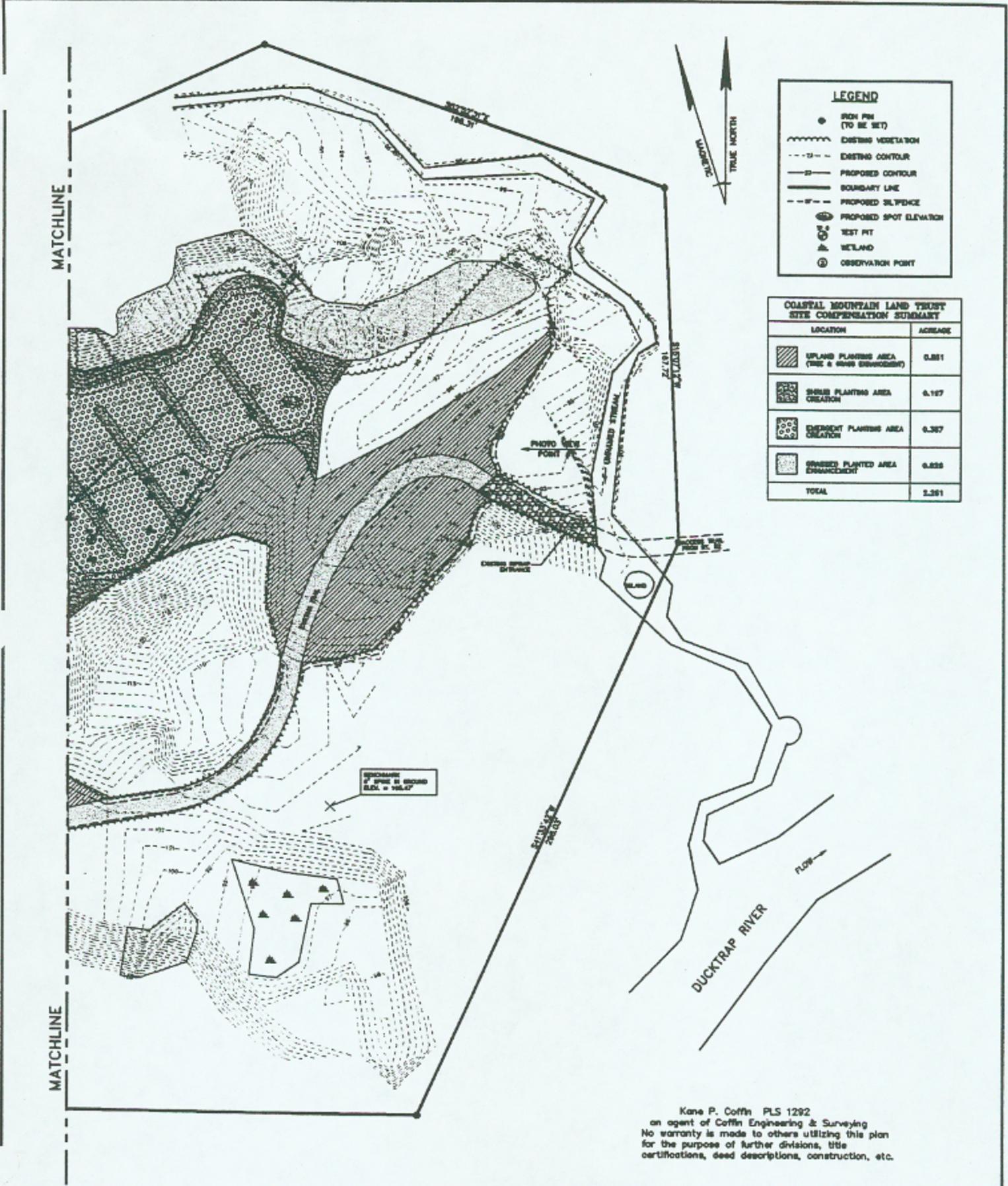
C2-A



PROJECT: FIVE TOWN CSD PROJECT  
 U.S. ROUTE 52  
 LINCOLNVILLE, MAINE

SHEET TITLE: COASTAL MOUNTAIN LAND TRUST PROPOSED MITIGATION SITE  
 SCALE: 1" = 80'  
 DATE: JUNE 17, 1998

NO.	REVISIONS	DATE



**LEGEND**

- HIGH PNT (TO BE SET)
- ~~~~~ EXISTING VEGETATION
- - - - EXISTING CONTOUR
- — — PROPOSED CONTOUR
- — — BOUNDARY LINE
- - - - PROPOSED SILTFENCE
- PROPOSED SPOT ELEVATION
- ⊙ TEST PIT
- ▲ WETLAND
- ⊙ OBSERVATION POINT

**COASTAL MOUNTAIN LAND TRUST  
SITE COMPENSATION SUMMARY**

LOCATION	ACREAGE
UPLAND PLANTING AREA (TREE & SHrub ENHANCEMENT)	0.281
SHrub PLANTING AREA CREATION	0.127
EMERGENT PLANTING AREA CREATION	0.327
SHrub PLANTED AREA ENHANCEMENT	0.826
<b>TOTAL</b>	<b>2.261</b>

REMARKS:  
1" SPIKE IN GROUND  
ELEV. = 146.47'

Kane P. Coffin PLS 1292  
an agent of Coffin Engineering & Surveying  
No warranty is made to others utilizing this plan  
for the purpose of further divisions, title  
certifications, deed descriptions, construction, etc.

C2-B			PROJECT FIVE TOWN CSD PROJECT	SHEET NO. COASTAL MOUNTAIN LAND TRUST PROPOSED MITIGATION SITE	
			ADDRESS U.S. ROUTE 82 LINCOLNVILLE, MAINE	SCALE 1" = 80'	DATE JUNE 17, 1998

# Wetland Function-Value Evaluation Form

Total area of wetland ~0.5 ac proposed Human made? yes Is wetland part of a wildlife corridor? n/a or a "habitat island"? n/a  
 Adjacent land use forest Distance to nearest roadway or other development >1,000 feet  
 Dominant wetland systems present not a wetland Contiguous undeveloped buffer zone present 100%  
 Is the wetland a separate hydraulic system? n/a If not, where does the wetland lie in the drainage basin? n/a  
 How many tributaries contribute to the wetland? 0 Wildlife & vegetation diversity/abundance (see attached list)

Five Town RCSD  
 Wetland I.D. 199801231  
 Latitude N44.33182 Longitude W69.06548  
 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		Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
	Y	N			
Groundwater Recharge/Discharge					
Floodflow Alteration					
Fish and Shellfish Habitat					
Sediment/Toxicant Retention					
Nutrient Removal					
Production Export					
Sediment/Shoreline Stabilization					
Wildlife Habitat					
Recreation					
Educational/Scientific Value					
Uniqueness/Heritage					
Visual Quality/Aesthetics					
<b>ES</b> Endangered Species Habitat					
Other					

Notes: Site is upland; therefore, evaluation was not performed.

* Refer to backup list of numbered considerations.

199801231  
Five Town RCSD  
Lincolnvile, ME  
8/12/02



View from one end of the site looking down towards the other end



Reverse of above photo

USGS 11 km SW of Belfast, Maine, United States 01 May 1998



0 200M

0 200yd

Image courtesy of the U.S. Geological Survey  
© 2003 Microsoft Corporation. All rights reserved.