Maine DEP Wetland Station Report

Physical/Chemical Attributes

Station: W-007 **Name:** SMITH MILL ROAD - W-007

Trip ID: 1998-007 **Town:** STANDISH

Mitigation Monitoring Site: No

Catchment Land Use

		High Int. Dev %	0.3	**Water %**	3.0	**Non-vegetated %**	0.8
Total Area (ac)	5739	**Med Int. Dev. %**	0.3	**Wetland %**	8.4	**Tilled Agriculture %**	1.1
Total Land (ac)	5573	**Low Int. Dev. %**	2.0	**Upland Woody %**	84.7	**Human Altered %**	6.9
		Development %	2.6	**Natural %**	93.1	**Impervious %**	2.3

Human Disturbance

TOTAL SCORE	5
Hydrologic Modifications	1
Vegetative Modifications	1
Chemical Contaminants	0
Impervious Surface	2
Non-point Sources	1

Landscape-level Cowardin Classification

System:	PALUSTRINE
Subsystem:	
Class 1:	EMERGENT
Subclass 1:	PERSISTENT
Class 2:	
Subclass 2:	
Class 3:	
Subclass 3:	

Hydrogeomorphic Setting

Landscape Position:	LENTIC
Lotic Gradient:	
Flow Path:	THROUGHFLOW
Land Form:	FRINGE
Land Form Type:	LENTIC
Waterbody Type:	LAKE
Comments:	

Water Chemistry

Field pH:			**Lab pH:**	6.87	STU	**Si:**		2.62	MG/L
Field Conductivity:	66.7	US/CM	**Lab Conductivity:**	43.46	US/CM	**NO3:**		0.0379	MG/L
Temperature:	29.6	DEG C	**Alkalinity:**	6.9	MG/L	**NO3 + NO2:**			
Dissolved O2:	7.6	MG/L	**Color:**	70	UNIT	**Total N:**		0.65	MG/L
			DOC:	5.83	MG/L	**TKN:**			
			Ca:	2.39	MG/L	**NH4:**	<	0.05	MG/L
			Mg:	0.63	MG/L	**PO4:**		0.0043	MG/L
			K:	0.44	MG/L	**Total P:**		0.019	MG/L
			Na:	4.09	MG/L	**Chl. a:**		0.0012	MG/L
			Cl:	7.1	MG/L	**Corr. Chl. a:**			
			Sulfate:	2.328	MG/L				

Dominant Plant Species: SEDGES, PICKERELWEED, WATERLILY

Habitat Classification:

Substrate Classification:
SILT/MUCK SUBSTRATE
ORGANIC SOIL SUBSTRATE
CLAY SUBSTRATE