



Maine DEP Wetland Station Report

Physical/Chemical Attributes

Station: W-028 **Name:** LONG CREEK (BELOW GANNETT DR) - W-028
Trip ID: 2000-028 **Town:** SOUTH PORTLAND
Mitigation Monitoring Site: No

Catchment Land Use

High Int. Dev %	13.6	Water %	0.0	Non-vegetated %	0.0
Total Area (ac)	480	Med Int. Dev. %	1.8	Wetland %	12.3
Total Land (ac)	480	Low Int. Dev. %	6.8	Upland Woody %	25.4
		Development %	22.3	Natural %	37.7
				Tilled Agriculture %	0.0
				Human Altered %	62.3
				Impervious %	20.0

Human Disturbance

TOTAL SCORE	38
Hydrologic Modifications	8
Vegetative Modifications	6
Chemical Contaminants	3
Impervious Surface	9
Non-point Sources	12

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: LOTIC STREAM
Lotic Gradient: LOW GRADIENT
Flow Path: THROUGHFLOW
Land Form: FRINGE
Land Form Type: LOTIC STREAM FRINGE
 POND
Waterbody Type: POND
Comments:

Water Chemistry

Field pH:	7 STU	Lab pH:	7.55 STU	Si:	2.95 MG/L
Field Conductivity:	807 US/CM	Lab Conductivity:		NO3:	0.035 MG/L
Temperature:	15.2 DEG C	Alkalinity:	106 MG/L	NO3 + NO2:	
Dissolved O2:	7.4 MG/L	Color:	26 UNIT	Total N:	0.41 MG/L
		DOC:	6.8 MG/L	TKN:	
		Ca:	48.3 MG/L	NH4:	0.04 MG/L
		Mg:	11.3 MG/L	PO4:	0.0043 MG/L
		K:	2.43 MG/L	Total P:	0.026 MG/L
		Na:	86.6 MG/L	Chl. a:	0.0035 MG/L
		Cl:	171 MG/L	Corr. Chl. a:	
		Sulfate:	33.6 MG/L		

Dominant Plant Species: NUPHAR LUTEA, CALLITRICHE (STARWORT SPP.)

Habitat Classification:

EMERGENT NON-PERSISTENT VEGETATION
 AQUATIC MACROPHYTE BED
 OPEN WATER STANDING

Substrate Classification:

SILT/MUCK SUBSTRATE
 DETRITUS SUBSTRATE