













Section 9.1b

Army Corps of Engineers Highway Method Forms

Wetland Function-Value Evaluation Form

Total area of wetland 0.05 acres Human made? N Is wetland part of a wildlife corridor? N or a "habitat island"? Y
 Adjacent land use FORESTED Distance to nearest roadway or other development +/- 1000'
 Dominant wetland systems present PSS Contiguous undeveloped buffer zone present Y
 Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 10-80
 Latitude 44.3447 Longitude -71.6954
 Prepared by: BHK Date 9/23
 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	4,10		Small isolated wetland
 Floodflow Alteration	X	3,5,9		
 Fish and Shellfish Habitat	X	1		No fishery present
 Sediment/Toxicant Retention	X	8		
 Nutrient Removal	X	7		
 Production Export	X			No defined outlet
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	1,3,4,5,7		Limited habitat seeps
 Recreation	X			Privately owned
 Educational/Scientific Value	X			Privately owned
 Uniqueness/Heritage	X			Privately owned
 Visual Quality/Aesthetics	X			Privately owned
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.4 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 500'

Dominant wetland systems present PFO1E Contiguous undeveloped buffer zone present Y

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

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

Wetland I.D. 10-C708.760













Latitude 44.3461 Longitude -71.6952

Prepared by: BHK Date 10/23

Wetland Impact:
Type _____ Area _____

Evaluation based on:
Office X 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	6		
 Floodflow Alteration	X	2		Bisected to area L by old Woods Road
 Fish and Shellfish Habitat	X			None present
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			
 Production Export	X	1,4,5		Restricted by Woods Road
 Sediment/Shoreline Stabilization	X			No streams
 Wildlife Habitat	X	3,4,5,7,8,17	P	
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.5 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 1000'

Dominant wetland systems present PSS/FO1/4E Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? If not, where does the wetland lie in the drainage basin? MID-HEADWATER

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

Wetland I.D. 10-R













Latitude 44.3453 Longitude -71.6965

Prepared by: BHK Date 9/23

Wetland Impact:
Type _____ Area _____

Evaluation based on:
Office X 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	6		
 Floodflow Alteration	x	2		Bisected to area L by old Woods Road
 Fish and Shellfish Habitat	x			None present
 Sediment/Toxicant Retention	x			
 Nutrient Removal	x			
 Production Export	x	1,4,5		Restricted by Woods Road
 Sediment/Shoreline Stabilization	x			No Streams
 Wildlife Habitat	x	3,4,5,7,8,17	P	
 Recreation	x			
 Educational/Scientific Value	x			
 Uniqueness/Heritage	x			
 Visual Quality/Aesthetics	x			
ES Endangered Species Habitat	x			
Other	x			

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 3.3 acres Human made? Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use Forested Distance to nearest roadway or other development +/- 300'

Dominant wetland systems present PFO1E Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? If not, where does the wetland lie in the drainage basin? Mid-Headwater

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

Wetland I.D. 10-T290

Latitude 44.3469 Longitude -71.6929

Prepared by: BHK Date 9/23

Wetland Impact:
Type Area

Evaluation based on:
Office X 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	4,7,9,13	P	Part of large contiguous wetland
Floodflow Alteration	X	5,9,15		
Fish and Shellfish Habitat	X	1		No fishery present
Sediment/Toxicant Retention	X	8,9		
Nutrient Removal	X	7,10		Sloping forested wetland
Production Export	X	4		No defined outlet
Sediment/Shoreline Stabilization	X	2		No defined outlet
Wildlife Habitat	X	1,3,4,5,6,7,8,10,17	P	Part of large interspersed wetland complex
Recreation	X			Privately owned
Educational/Scientific Value	X			Privately owned
Uniqueness/Heritage	X			Privately owned
Visual Quality/Aesthetics	X			Commonly found wetland
ES Endangered Species Habitat	X			none known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? Is wetland part of a wildlife corridor? or a "habitat island"? Y

Adjacent land use Forest Distance to nearest roadway or other development +/- 200'

Dominant wetland systems present PSS Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 10-U.1/13













Latitude 44.3468 Longitude -71.6937

Prepared by: BHK Date 9/23

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	6		VP-2 within wetland inclusion
 Floodflow Alteration	X	3,9		
 Fish and Shellfish Habitat	X	1		
 Sediment/Toxicant Retention	X	1		
 Nutrient Removal	X			See 11 T 262
 Production Export	X	4		
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	3,4,5,7,8,19,20	P	
 Recreation	X			
 Educational/Scientific Value	X			
 Uniqueness/Heritage	X		P	VP-1
 Visual Quality/Aesthetics	X			
ES Endangered Species Habitat	X			
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 3.0 acres Human made? Is wetland part of a wildlife corridor? or a "habitat island"?

Adjacent land use PFO, PEM/SS Distance to nearest roadway or other development +/- 800'

Dominant wetland systems present _____ Contiguous undeveloped buffer zone present _____

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

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

Wetland I.D. 11-C-500













Latitude 44.3488 Longitude -71.6961

Prepared by: BHK Date 9/23

Wetland Impact:
Type _____ Area _____

Evaluation based on:
Office _____ Field

Corps manual wetland delineation completed? Y N

Function/Value	Suitability Y / N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge				See sheet 4-J/c
 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				
ES Endangered Species Habitat				
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 3.3 acres Human made? Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use Forested Distance to nearest roadway or other development +/- 1400'

Dominant wetland systems present PSS, PEM, PFO Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? N If not, where does the wetland lie in the drainage basin? Lower Headwater

How many tributaries contribute to the wetland? None Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 11 - C585













Latitude 44.3474 Longitude -71.6989

Prepared by: BHK Date 9/23

Wetland Impact:
Type NONE 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	4,7,12,13	P	See sheet 4J/c. Lower headwater associated with a large wetlands complex
 Floodflow Alteration	X	2,5,6,8,9,18	P	Dense broad wetlands complex
 Fish and Shellfish Habitat	X	1		No fish habitat present
 Sediment/Toxicant Retention	X	3,5,8	P	Lower headwater wetland with dense vegetation present
 Nutrient Removal	X	1,6,8	P	Lower headwater wetland with dense vegetation present
 Production Export	X	1,4,5,7,8,14		Lower headwater wetlands - no channel present
 Sediment/Shoreline Stabilization	X	5		Lower headwater wetlands - no channel present
 Wildlife Habitat	X	1-11,13-17,19,21	P	Remote lower headwater wetland complex interspersed with forested upland habitat
 Recreation	X			Private property
 Educational/Scientific Value	X			Private property
 Uniqueness/Heritage	X			Remote headwater wetlands - private property
 Visual Quality/Aesthetics	X			Remote headwater wetlands - private property
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.2 acres Human made? N Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 900'

Dominant wetland systems present PEM/SS Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 11-C-690













Latitude 44.3465 Longitude -71.6961

Prepared by: BHK Date 9/23

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	4,13	P	Small isolated wetlands
 Floodflow Alteration	X	3,9		Localized drainage
 Fish and Shellfish Habitat	X	1		No fishery present
 Sediment/Toxicant Retention	X	8,9		
 Nutrient Removal	X	6,7,9		
 Production Export	X	4		Small isolated wetland - no outlet
 Sediment/Shoreline Stabilization	X			Small isolated wetland - no outlet
 Wildlife Habitat	X	1,3,4,5,7,8,17	P	Wetland positioned within large un-fragmented habitat
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.05 acres Human made? N Is wetland part of a wildlife corridor? _____ or a "habitat island"? Y

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 900'

Dominant wetland systems present PFO Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 11-S1/12













Latitude 44.3477 Longitude -71.6958

Prepared by: BHK Date 9/23

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	6		Small wetlands inclusion
 Floodflow Alteration	X			No inlet or outlet
 Fish and Shellfish Habitat	X	1		None present
 Sediment/Toxicant Retention	X	9		
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			Isolated wetlands inclusion
 Wildlife Habitat	X	1,3,4,5,7,8	P	Positioned within large unfragmented habitat
 Recreation	X			
 Educational/Scientific Value	X			Private
 Uniqueness/Heritage	X			
 Visual Quality/Aesthetics	X			
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 200'

Dominant wetland systems present PSS/FO (VERNAL POOL VP-2) Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? If not, where does the wetland lie in the drainage basin? MID-HEADWATER

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

Wetland I.D. 11-T262













Latitude 44.3470 Longitude -71.6934

Prepared by: BHK Date 9/23

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	6		Vernal pool VP-2
 Floodflow Alteration	X	3,9		
 Fish and Shellfish Habitat	X	1?		
 Sediment/Toxicant Retention	X			Skidder ruts present
 Nutrient Removal	X			
 Production Export	X	4		
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	3,4,5,7,8,19,20	P	Small VP within PFO habitat
 Recreation	X			
 Educational/Scientific Value	X			
 Uniqueness/Heritage	X		P	Vernal pool habitat
 Visual Quality/Aesthetics	X			
ES Endangered Species Habitat	X			
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 1.6 acres Human made? Is wetland part of a wildlife corridor? or a "habitat island"?

Adjacent land use Wetlands and Forest Distance to nearest roadway or other development 0

Dominant wetland systems present PSS,PFO Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? If not, where does the wetland lie in the drainage basin? Mid-headwater

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

Wetland I.D. 12-C-280













Latitude 44.3496 Longitude -71.6947

Prepared by: BHK Date 9/23

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	4,7	P	Large interconnected wetlands complex
 Floodflow Alteration	X	1,5,6,8,9	P	Large interconnected wetlands complex
 Fish and Shellfish Habitat	X	1		No fishery present
 Sediment/Toxicant Retention	X	1,5	P	Abuts access road
 Nutrient Removal	X	1,7,8,10	P	Part of large contiguous wetlands
 Production Export	X	1,4,5,7	P	Wetland complex interconnected with perennial stream
 Sediment/Shoreline Stabilization	X	3		Wetland complex interconnected with perennial stream
 Wildlife Habitat	X	1-11,13,15,16,17	P	Large un-fragmented upland wetlands complex
 Recreation	X			associated with headwaters to Alder Brook
 Educational/Scientific Value	X			Private property
 Uniqueness/Heritage	X			Private property
 Visual Quality/Aesthetics	X	5,8		Private property
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? Y Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use ACCESS ROAD Distance to nearest roadway or other development 0

Dominant wetland systems present PEM1Ex (Ditch) Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? N If not, where does the wetland lie in the drainage basin? UPPER HEADWATER

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

Wetland I.D. 13-16-1

Latitude 44.3518 Longitude -71.7003

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent Area 331 sqft

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	13		Man-made ditch
 Floodflow Alteration	X			Man-made ditch
 Fish and Shellfish Habitat	X			Man-made ditch
 Sediment/Toxicant Retention	X			Man-made ditch
 Nutrient Removal	X	9		Man-made ditch
 Production Export	X			Man-made ditch
 Sediment/Shoreline Stabilization	X			Man-made ditch
 Wildlife Habitat	X	5,7,17		Limited wildlife utilization
 Recreation	X			Privately owned
 Educational/Scientific Value	X			
 Uniqueness/Heritage	X			
 Visual Quality/Aesthetics	X			
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 3.4 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"? _____

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 800'

Dominant wetland systems present R4UBJ, PFO1 Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? N If not, where does the wetland lie in the drainage basin? UPPER HEADWATER

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

Wetland I.D. 13-16-100













Latitude 44.3520 Longitude -71.6995

Prepared by: BHK Date 9/23

Wetland Impact:
Type Temporary/Permanent Area 276sqft/29,584sqft

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	6,9,10,13	P	Intermittent stream with groundwater seeps
 Floodflow Alteration	X	2,3,7,9		Flashy watershed
 Fish and Shellfish Habitat	X	1		No fishery present
 Sediment/Toxicant Retention	X	10		Steep topography, flashy
 Nutrient Removal	X			Steep topography, flashy
 Production Export	X	1,4,5		Limited during flow periods
 Sediment/Shoreline Stabilization	X	2		
 Wildlife Habitat	X	1,3,4,5,7,8	P	Within large un-fragmented habitat
 Recreation	X			
 Educational/Scientific Value	X			Privately owned
 Uniqueness/Heritage	X			Privately owned
 Visual Quality/Aesthetics	X			Privately owned
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.3 acres Human made? N Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 500'

Dominant wetland systems present PFO1 Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y If not, where does the wetland lie in the drainage basin? UPPER HEADWATER

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

Wetland I.D. 13-17.18













Latitude 44.3526 Longitude -71.6967

Prepared by: BHK Date 9/23

Wetland Impact:
Type PERMANENT Area 7,658sqft

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	6		Elongated wetland in topographic depression
 Floodflow Alteration	X	2,3		
 Fish and Shellfish Habitat	X	1		None present
 Sediment/Toxicant Retention	X			Isolated small wetland
 Nutrient Removal	X			Isolated small wetland
 Production Export	X			Isolated small wetland
 Sediment/Shoreline Stabilization	X			No defined inlet/outlet
 Wildlife Habitat	X	1,3,4,5		Small forested wetland
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORESTED AND STG OPERATION Distance to nearest roadway or other development +/- 400-1000'

Dominant wetland systems present PFO1 Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 14-32.87.90.91













Latitude 44.3538 Longitude -71.7002

Prepared by: BHK Date 11/23

Wetland Impact:
Type _____ Area _____

Evaluation based on:
Office X 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	6		4 small isolated wetland inclusions
 Floodflow Alteration	X	2		
 Fish and Shellfish Habitat	X	1		
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			
 Production Export	X			Isolated wetlands
 Sediment/Shoreline Stabilization	X			No stream
 Wildlife Habitat	X	3,4,5,7,8	P	Within large un-fragmented habitat
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.3 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORESTER AND S&G OPERATION Distance to nearest roadway or other development +/- 400'

Dominant wetland systems present PFO1E Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 14-89









Latitude 44.3539 Longitude -71.6998

Prepared by: BHK Date 11/23

Wetland Impact:
Type _____ Area _____

Evaluation based on:
Office Field

Corps manual wetland delineation completed?

Function/Value	Suitability Y / N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge	X	6		
 Floodflow Alteration	X	2		Elongated forested depression
 Fish and Shellfish Habitat	X	1		
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			
 Production Export	X	1,4,5		Isolated wetland
 Sediment/Shoreline Stabilization	X			No streams
 Wildlife Habitat	X	3,4,5,7,8	P	Within large un-fragmented habitat
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.2 acres Human made? N Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 1200'

Dominant wetland systems present PFO1 Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y If not, where does the wetland lie in the drainage basin? UPPER HEADWATER

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

Wetland I.D. 19-20.21.27.34.35.82.83.84













Latitude 44.3556 Longitude -71.6926

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent/Temporary Area 8,778sqft/568sqft

Evaluation based on:
Office X 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	6,8		Limited groundwater discharge
 Floodflow Alteration	X	2,3		Wetlands in topographic depression
 Fish and Shellfish Habitat	X	1		None present
 Sediment/Toxicant Retention	X			Small isolated wetlands
 Nutrient Removal	X			Small isolated wetlands
 Production Export	X			Small isolated wetlands
 Sediment/Shoreline Stabilization	X			Small isolated wetlands
 Wildlife Habitat	X	1,3,4,5,7		Wetlands within large un-fragmented habitat
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.9 acres Human made? ATF Is wetland part of a wildlife corridor? X or a "habitat island"?

Adjacent land use ACCESS ROAD Distance to nearest roadway or other development CROSSINGS

Dominant wetland systems present R3UBH/PFO Contiguous undeveloped buffer zone present NO

Is the wetland a separate hydraulic system? NO If not, where does the wetland lie in the drainage basin? UPPER HEADWATER

How many tributaries contribute to the wetland? 1 Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 1-33/79













Latitude 44.3537 Longitude -71.7009

Prepared by: BHK Date 8/23

Wetland Impact:
Type FILL Area 1,120 sqft

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	4,7,13	P	Adjacent to G & S operations
 Floodflow Alteration	X	2,9,15		
 Fish and Shellfish Habitat	X	1,4,17		No fishery present
 Sediment/Toxicant Retention	X	1,2,3		Sloping PFO with high velocity R3UBH
 Nutrient Removal	X	4		
 Production Export	X	4,10		
 Sediment/Shoreline Stabilization	X	2,3,8,9		Steep watershed
 Wildlife Habitat	X	2,5,6,7,8,11,16,17	P	Wildlife travel corridor nearby
 Recreation	X			Private Property
 Educational/Scientific Value	X			Private Property
 Uniqueness/Heritage	X			Adjacent to gravel operations
 Visual Quality/Aesthetics	X			Adjacent to gravel operations
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 500'

Dominant wetland systems present PFO1E Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 20-14.22













Latitude 44.3526 Longitude -71.6935

Prepared by: BHK Date 11/23

Wetland Impact:
Type PERMANENT Area 5,037sqft

Evaluation based on:
Office X 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	6		Small depression areas
 Floodflow Alteration	X	2,3		Small depression areas
 Fish and Shellfish Habitat	X	1		None present
 Sediment/Toxicant Retention	X			Isolated topographic depressions
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	1,3,4,5		Small forested wetland within forested landscape
 Recreation	X			Privately owned
 Educational/Scientific Value	X			Privately owned
 Uniqueness/Heritage	X			Privately owned
 Visual Quality/Aesthetics	X			Privately owned
ES Endangered Species Habitat	X			None known
Other				













Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? N Is wetland part of a wildlife corridor? N or a "habitat island"? Y
 Adjacent land use FOREST Distance to nearest roadway or other development +/- 500'
 Dominant wetland systems present PFO1 Contiguous undeveloped buffer zone present Y
 Is the wetland a separate hydraulic system? Y If not, where does the wetland lie in the drainage basin? _____
 How many tributaries contribute to the wetland? _____ Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 20-19.26
 Latitude 44.3541 Longitude -71.6914
 Prepared by: BHK Date 9/23
 Wetland Impact:
 Type Permanent/Temporary Area 213sqft/518sqft
 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	6,8		Same as sheet 19
 Floodflow Alteration	X	2,3		2 isolated poorly drained (p.d.) wetlands
 Fish and Shellfish Habitat	X	1		
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	1,3,4,5,7	P	
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 1.7 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"? _____

Adjacent land use FORESTED/ROAD Distance to nearest roadway or other development 0

Dominant wetland systems present PSS/FO Contiguous undeveloped buffer zone present Y

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

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

Wetland I.D. 20-6













Latitude 44.3523 Longitude -71.6920

Prepared by: BHK Date 9/23

Wetland Impact:
Type PERMANENT Area 72,078sqft

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	6,13	P	Forested upper headwater areas with surface water ephemeral runoff
 Floodflow Alteration	X	2,3		
 Fish and Shellfish Habitat	X			None present
 Sediment/Toxicant Retention	X	8		Narrow drainage way/steep slopes
 Nutrient Removal	X			Narrow drainage way/steep slopes
 Production Export	X			No defined channel
 Sediment/Shoreline Stabilization	X			No defined channel
 Wildlife Habitat	X	1,3,4,5,7,8,11	P	Positioned within large un-fragmented landscape
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? N Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use FOREST Distance to nearest roadway or other development +/- 1000'

Dominant wetland systems present PFO1 Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 20-90













Latitude 44.3539 Longitude -71.6956

Prepared by: BHK Date 9/23

Wetland Impact:
Type PERMANENT Area 3,987sqft

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			2 isolated poorly drained (p.d.) forested wetlands
 Floodflow Alteration	X			
 Fish and Shellfish Habitat	X			
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	1,3,4,5,7		
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 3.9 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORESTED/ROAD Distance to nearest roadway or other development 0

Dominant wetland systems present PSS/FO (VP-7) Contiguous undeveloped buffer zone present 98%

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

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

Wetland I.D. 21-1.3.7.10.11.12.ZZ













Latitude 44.3507 Longitude -71.6930

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent Area 167,897sqft

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	6,13	P	Shallow GW
 Floodflow Alteration	X	1,2,3,5,9	P	Interconnected wetland network
 Fish and Shellfish Habitat	X	1		None present
 Sediment/Toxicant Retention	X	8		Potential
 Nutrient Removal	X	8,10		Potential
 Production Export	X	1,4,5		No defined channel
 Sediment/Shoreline Stabilization	X			No defined channel
 Wildlife Habitat	X	1,3,4,5,7,8,9,10,11,17	P	High degree of wetland forested upland
 Recreation	X			Habitat interspersed within
 Educational/Scientific Value	X			large un-fragmented habitat
 Uniqueness/Heritage	X			VP-7
 Visual Quality/Aesthetics	X			
ES Endangered Species Habitat	X			
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.2 acres Human made? Y Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use Douglas Dr. Distance to nearest roadway or other development 0

Dominant wetland systems present PEM/SS1Edx Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 21-3.13








Latitude 44.3493 Longitude -71.6926

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent/Temporary Area 2,244sqft/298sqft

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	6		Localized roadside drainage
 Floodflow Alteration	X			
 Fish and Shellfish Habitat	X			Roadside ditches
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	4,7		Within large un-fragmented habitat
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.4 acres Human made? N Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use FOREST Distance to nearest roadway or other development +/- 20'

Dominant wetland systems present PSS/FO Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 22-FF.MM













Latitude 44.3483 Longitude -71.6883

Prepared by: BHK Date 9/23

Wetland Impact:
Type PERMANENT Area 17,126sqft

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	6		Limited
 Floodflow Alteration	X			Small areas - no outlet
 Fish and Shellfish Habitat	X			None present
 Sediment/Toxicant Retention	X			Small isolated wetlands
 Nutrient Removal	X	10		Small isolated wetlands
 Production Export	X			No water course
 Sediment/Shoreline Stabilization	X			No water course
 Wildlife Habitat	X	3,4,5,7,8,11,17	P	Large undeveloped landscape
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.9 acres Human made? N Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use FOREST Distance to nearest roadway or other development +/- 30'

Dominant wetland systems present PSS Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 22-LL













Latitude 44.3475 Longitude -71.6908

Prepared by: BHK Date 9/23

Wetland Impact:
Type PERMANENT Area 37,879sqft

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	6		Limited groundwater discharge
 Floodflow Alteration	X	5,9		Localized surface water runoff
 Fish and Shellfish Habitat	X			None present
 Sediment/Toxicant Retention	X			Elongated topographic depression
 Nutrient Removal	X	10		Elongated topographic depression
 Production Export	X			No outlet
 Sediment/Shoreline Stabilization	X			No stream
 Wildlife Habitat	X	3,5,7,8,11,17	P	Wetland within large un-fragmented habitat
 Recreation	X			
 Educational/Scientific Value	X			Private
 Uniqueness/Heritage	X			
 Visual Quality/Aesthetics	X			
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? Y Is wetland part of a wildlife corridor? N or a "habitat island"? N

Adjacent land use FOREST AND ROAD Distance to nearest roadway or other development +/- 0-350'

Dominant wetland systems present PFO/SS Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 22-NN.PP.QQ











Latitude 44.3482 Longitude -71.6915

Prepared by: BHK Date 9/23

Wetland Impact:
Type PERMANENT Area 5,172sqft

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	6		Ditch and natural depressions
 Floodflow Alteration	X			Small localized wetlands
 Fish and Shellfish Habitat	X	1		None present
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	5,7		Small pocket wetlads
 Recreation	X			
 Educational/Scientific Value	X			Privately owned
 Uniqueness/Heritage	X			
 Visual Quality/Aesthetics	X			
ES Endangered Species Habitat	X			
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? N Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use Forest/Log landing Distance to nearest roadway or other development 220'

Dominant wetland systems present PSS Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 22-00


Latitude 44.3479 Longitude -71.6915

Prepared by: BHK Date 9/23

Wetland Impact:
Type PERMANENT Area 1,705sqft

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	6		Small perched wetland
 Floodflow Alteration	X			
 Fish and Shellfish Habitat	X			None present
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			Wetland inclusion
 Production Export	X			
 Sediment/Shoreline Stabilization	X			Isolated wetland
 Wildlife Habitat	X	3,4,7,8,20	P	Vernal pool (VP-3)
 Recreation	X			Privately owned
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.99 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORESTED/ROAD Distance to nearest roadway or other development 0

Dominant wetland systems present PFO1 (VP-4,5,6) Contiguous undeveloped buffer zone present +/- 95%

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

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

Wetland I.D. 22-RR.RRR.UU.YY













Latitude 44.3494 Longitude -71.6898

Prepared by: BHK Date 9/23

Wetland Impact:
Type PERMANENT Area 38,846sqft

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	6,13	P	Shallow GW
 Floodflow Alteration	X	1,2,3,5,9	P	Interconnected wetland network
 Fish and Shellfish Habitat	X	1		None present
 Sediment/Toxicant Retention	X	8		Potential
 Nutrient Removal	X	8,10		Potential
 Production Export	X	1,4,5		No defined channel
 Sediment/Shoreline Stabilization	X			No defined channel
 Wildlife Habitat	X	1,3,4,5,7,8,9,10,11,17	P	High degree of wetland forested upland, 3 vernal pools
 Recreation	X			Habitat interspersation within
 Educational/Scientific Value	X			large un-fragmented habitat
 Uniqueness/Heritage	X			VP-4,5,6
 Visual Quality/Aesthetics	X			
ES Endangered Species Habitat	X			
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.03 acres Human made? N Is wetland part of a wildlife corridor? _____ or a "habitat island"? Y

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 2000'

Dominant wetland systems present PFO1 Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 22-SS-VV-WW













Latitude 44.3492 Longitude -71.6909

Prepared by: BHK Date 9/23

Wetland Impact:
Type PERMANENT Area 729sqft

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			3 small wetland inclusions within topographic depressions
 Floodflow Alteration	X			
 Fish and Shellfish Habitat	X			
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	1,3,4		Within large un-fragmented habitat
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 3.3 acres Human made? Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use ROAD/FOREST Distance to nearest roadway or other development 0

Dominant wetland systems present PSS/FO1 Contiguous undeveloped buffer zone present +/- 60%

Is the wetland a separate hydraulic system? If not, where does the wetland lie in the drainage basin? MID-HEADWATER

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

Wetland I.D. 22-T













Latitude 44.3469 Longitude -71.6929

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent/Temporary Area 779sqft/629sqft

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	4,8,13	P	Large interconnected wetlands system
 Floodflow Alteration	X	2,3,5,6	P	
 Fish and Shellfish Habitat	X	1		
 Sediment/Toxicant Retention	X	1,3,5,8	P	
 Nutrient Removal	X	7,8,9,11	P	
 Production Export	X	1,3		
 Sediment/Shoreline Stabilization	X	3		
 Wildlife Habitat	X	5,7,8,11,13,17	P	
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.2 acres Human made? Y Is wetland part of a wildlife corridor? N or a "habitat island"?

Adjacent land use ACCESS ROAD/ASPHALT PLANT/MINING OPERATION/FOREST Distance to nearest roadway or other development ADJACENT

Dominant wetland systems present PEM/SSIEdx Contiguous undeveloped buffer zone present N

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

How many tributaries contribute to the wetland? None Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 23-BB.CC.JJ.KK













Latitude 44.3460 Longitude -71.6912

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent Area 4,972sqft

Evaluation based on:
Office X 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	6,13,15		Roadside man-made ditches interfacing with groundwater table
 Floodflow Alteration	X	2,16		Ditch flow re-directs surface water runoff along roadway
 Fish and Shellfish Habitat	X	1		No perennial or intermittent streams present
 Sediment/Toxicant Retention	X			Man-made/altered roadside drainage ditch wetlands
 Nutrient Removal	X	9		Roadside persistent emergent and scrub-shrub vegetation
 Production Export	X			Ditches restrict natural surface water flow patterns
 Sediment/Shoreline Stabilization	X			Ditches periodically collect and retain roadside sediments
 Wildlife Habitat	X	5,7,8,16,17	P	Adjacent to large un-developed forested landscapes
 Recreation	X			Roadside ditch wetlands off privately-owned property
 Educational/Scientific Value	X			Roadside ditch wetlands off privately-owned property
 Uniqueness/Heritage	X			Roadside ditch wetlands off privately-owned property
 Visual Quality/Aesthetics	X			Roadside ditch wetlands off privately-owned property
ES Endangered Species Habitat	X			No NHB listed plant or animal species known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 9.7 acres Human made? Is wetland part of a wildlife corridor? Y or a "habitat island"? N

Adjacent land use FOREST AND WETLAND Distance to nearest roadway or other development 0

Dominant wetland systems present PSS, FO, R3UBH Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? N If not, where does the wetland lie in the drainage basin? MID-HEADWATER

How many tributaries contribute to the wetland? 2 Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 23-T/BB/CC













Latitude 44.3452 Longitude -71.6923

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent/Temporary Area 7,146sqft/3,989sqft

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	4,6,13	P	Large wetlands complex
 Floodflow Alteration	X	1,2,5,6,9,11?,18	P	Connected via perennial stream
 Fish and Shellfish Habitat	X	1,4,9,10,12,14,17	P	Perennial stream crossing
 Sediment/Toxicant Retention	X	3,10,11,16		
 Nutrient Removal	X	1,7,8,9,16	P	Large interconnected wetland
 Production Export	X	1,4,5,6,7,8,10	P	Perennial stream
 Sediment/Shoreline Stabilization	X	2,9,12		Perennial stream
 Wildlife Habitat	X	3,4,5,6,7,8,9,10,13,17	P	Large un-fragmented habitat
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 6.8 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?













Adjacent land use FORESTED AND LARGE WETLAND COMPLEX Distance to nearest roadway or other development +/- 1000'

Dominant wetland systems present PSS/FO1E R4UBJ Contiguous undeveloped buffer zone present Y

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

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

Wetland I.D. 26-BB
 Latitude 44.3486 Longitude -71.6872
 Prepared by: BHK Date 11/23
 Wetland Impact:
 Type _____ Area _____
 Evaluation based on:
 Office X 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	4,7,13	P	Upper headwater of large interconnected wetland complex
 Floodflow Alteration	X	2,3	P	
 Fish and Shellfish Habitat	X	1		
 Sediment/Toxicant Retention	X	3,8		
 Nutrient Removal	X	8,10		
 Production Export	X	1,4,5,7,10	P	
 Sediment/Shoreline Stabilization	X	2		
 Wildlife Habitat	X	1,3,4,5,6,7,8,17	P	Wildlife corridor
 Recreation	X			Large un-fragmented habitat
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.3 acres Human made? Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 1000'

Dominant wetland systems present PFO1/4E Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 26-GG













Latitude 44.3484 Longitude -71.6860

Prepared by: BHK Date 11/23

Wetland Impact:
Type Area

Evaluation based on:
Office X 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	6		
 Floodflow Alteration	X	2		
 Fish and Shellfish Habitat	X	1		
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			
 Production Export	X	1,4,5		Isolated wetland inclusion
 Sediment/Shoreline Stabilization	X			No stream
 Wildlife Habitat	X	3,4,5,7,8	P	Within wildlife corridor
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 2.9 acres Human made? ATF Is wetland part of a wildlife corridor? X or a "habitat island"? _____

Adjacent land use GRAVEL OPERATIONS Distance to nearest roadway or other development ROAD CROSSINGS

Dominant wetland systems present PFOSS/R3UBH/R4UBJ Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? N If not, where does the wetland lie in the drainage basin? UPPER HEADWATERS

How many tributaries contribute to the wetland? 3 Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 2-29/73/74/75













Latitude 44.3513 Longitude -71.7017

Prepared by: BHK Date 9/23

Wetland Impact:
Type FILL Area 8,912 sqft

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	4,7,13	P	Adjacent to S and G operations
 Floodflow Alteration	X	2,3,5,6,8,9,13,18	P	Confluence of wetland areas
 Fish and Shellfish Habitat	X	4,13,17		Marginal perennial stream channels
 Sediment/Toxicant Retention	X	1,2,3,4,5,8,10,11,12,14,16	P	Confluence of wetland areas
 Nutrient Removal	X	3,5,6,7,8,9,10,12,14	P	Confluence of wetland areas
 Production Export	X	1,4,6,7,10	P	
 Sediment/Shoreline Stabilization		2,3,4,9,12		
 Wildlife Habitat	X	2,5,6,7,8,11,13,16,17,19	P	Active beaver colony south of crossings
 Recreation	X			Private Property
 Educational/Scientific Value	X			Private Property
 Uniqueness/Heritage	X			Access to gravel mining operations
 Visual Quality/Aesthetics	X			Access to gravel mining operations
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 3.3 acres Human made? Is wetland part of a wildlife corridor? or a "habitat island"?













Adjacent land use FOREST, ASPHALT PLANT GRAVEL Distance to nearest roadway or other development <100'

Dominant wetland systems present PSS/FO1 Contiguous undeveloped buffer zone present N

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

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

Wetland I.D. 2-A70
 Latitude 44.3511 Longitude -71.7030
 Prepared by: BHK Date 9/23
 Wetland Impact:
 Type FILL Area
 Evaluation based on:
 Office X 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	6,13	P	Discharge - headwater to #1
 Floodflow Alteration	X	2,5,6,8,9	P	Headwaters - no channel/intermittent stream drain to #1
 Fish and Shellfish Habitat	X			No stream
 Sediment/Toxicant Retention	X	1,8		Collect roadside sediments
 Nutrient Removal	X	7,11,12		Non a principal function - does occur in overall complex
 Production Export	X	1,4,5,7,8		No stream or int. stream to # area 1
 Sediment/Shoreline Stabilization	X			No stream
 Wildlife Habitat	X	1,3,4,5,7,8,11,13,16,17-19	P	Headwater with large undeveloped upland forest buffer
 Recreation	X	5		Privately-owned
 Educational/Scientific Value	X	5		Privately-owned
 Uniqueness/Heritage	X	5		Privately-owned
 Visual Quality/Aesthetics	X	5		Private bordered by forest and Douglas Dr.
ES Endangered Species Habitat	X			No RTE
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.2 acres Human made? Altered Is wetland part of a wildlife corridor? N or a "habitat island"?

Adjacent land use Access Road/Asphalt Plant/Mining Operation/Forest Distance to nearest roadway or other development Adjacent

Dominant wetland systems present PFO/PSS Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? Y/N* If not, where does the wetland lie in the drainage basin? Upper 1/3 of Headwater

How many tributaries contribute to the wetland? None Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 31-43.46













Latitude 44.3387 Longitude -71.6941

Prepared by: BHK Date 5/20

Wetland Impact:
Type Permanent/Temporary Area 1,683sqft/398sqft

Evaluation based on:
Office X 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	6,13,15		Altered by roadside fills and inadequate culverts
 Floodflow Alteration	X	2		Isolated ad or restricted by road fills
 Fish and Shellfish Habitat	X			No perennial or intermittent stream present
 Sediment/Toxicant Retention	X			Partially ditched/drained and or filled wetlands
 Nutrient Removal	X			Small naturally occurring roadside wetlands
 Production Export	X			Small roadside wetlands with restricted hydrology
 Sediment/Shoreline Stabilization	X			Small roadside wetlands with restricted hydrology
 Wildlife Habitat	X	5,7,8,16,17	P	Adjacent to large un-developed forested landscapes
 Recreation	X			Forested and scrub-shrub wetlands off edge of private road
 Educational/Scientific Value	X			Forested and scrub-shrub wetlands off edge of private road
 Uniqueness/Heritage	X			Forested and scrub-shrub wetlands off edge of private road
 Visual Quality/Aesthetics	X			Forested and scrub-shrub wetlands off edge of private road
ES Endangered Species Habitat	X			No NHB listed plant or animal species known to exist
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.03 acres Human made? Y Is wetland part of a wildlife corridor? N or a "habitat island"?

Adjacent land use Access Road/Asphalt Plant/Mining Operation/Forest Distance to nearest roadway or other development ADJACENT

Dominant wetland systems present PEM/SS1Edx Contiguous undeveloped buffer zone present N

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

How many tributaries contribute to the wetland? None Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 31-43













Latitude 44.3386 Longitude -71.6937

Prepared by: BHK Date 5/20

Wetland Impact:
Type PERMANENT Area 1,384sqft

Evaluation based on:
Office X 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	6,13,15		Roadside man-made ditches interfacing with groundwater table
 Floodflow Alteration	X	2,16		Ditch flow re-directs surface water runoff along roadway
 Fish and Shellfish Habitat	X	1		No perennial or intermittent streams present
 Sediment/Toxicant Retention	X			Man-made/altered roadside drainage ditch wetlands
 Nutrient Removal	X	9		Roadside persistent emergent and scrub/shrub vegetation
 Production Export	X			Ditches restrict natural surface water flow patterns
 Sediment/Shoreline Stabilization	X			Ditches periodically collect and retain roadside sediments
 Wildlife Habitat	X	5,7,8,16,17	P	Adjacent to large un-developed forested landscapes
 Recreation	X			Roadside ditch wetlands off privately-owned property
 Educational/Scientific Value	X			Roadside ditch wetlands off privately-owned property
 Uniqueness/Heritage	X			Roadside ditch wetlands off privately-owned property
 Visual Quality/Aesthetics	X			Roadside ditch wetlands off privately-owned property
ES Endangered Species Habitat	X			No NHB listed plant or animal species known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.01 acres Human made? Y Is wetland part of a wildlife corridor? N or a "habitat island"?

Adjacent land use Access Road/Asphalt Plant/Mining Operation/Forest Distance to nearest roadway or other development ADJACENT

Dominant wetland systems present PEM/SS1Edx Contiguous undeveloped buffer zone present N

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

How many tributaries contribute to the wetland? NONE Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 31-47













Latitude 44.3377 Longitude -71.6930

Prepared by: BHK Date 5/20

Wetland Impact:
Type Permanent Area 1,384sqft

Evaluation based on:
Office X 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	6,13,15		Roadside man-made ditches interfacing with groundwater table
 Floodflow Alteration	X	2,16		Ditch flow re-directs surface water runoff along roadway
 Fish and Shellfish Habitat	X	1		No perennial or intermittent streams present
 Sediment/Toxicant Retention	X			Man-made/altered roadside drainage ditch wetlands
 Nutrient Removal	X	9		Roadside persistent emergent and scrub-shrub vegetation
 Production Export	X			Ditches restrict natural surface water flow patterns
 Sediment/Shoreline Stabilization	X			Ditches periodically collect and retain roadside sediments
 Wildlife Habitat	X	5,7,8,16,17	P	Adjacent to large un-developed forested landscapes
 Recreation	X			Roadside ditch wetlands off of privately-owned property
 Educational/Scientific Value	X			Roadside ditch wetlands off of privately-owned property
 Uniqueness/Heritage	X			Roadside ditch wetlands off of privately-owned property
 Visual Quality/Aesthetics	X			Roadside ditch wetlands off of privately-owned property
ES Endangered Species Habitat	X			No NHB listed plant or animal species known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.9 acres Human made? Y Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use ROADSIDE Distance to nearest roadway or other development 0

Dominant wetland systems present PSS1Edx Contiguous undeveloped buffer zone present 0

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 31-68



Latitude 44.3381 Longitude -71.6918

Prepared by: BHK Date 9/23

Wetland Impact:
Type PERMANENT Area 395sqft

Evaluation based on:
Office X 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	13		Localized groundwater
 Floodflow Alteration	X			
 Fish and Shellfish Habitat	X			
 Sediment/Toxicant Retention	X	1		Roadside ditch
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	7,8		Adjacent to disturbed uplands
 Recreation	X			
 Educational/Scientific Value				
 Uniqueness/Heritage				
 Visual Quality/Aesthetics				
ES Endangered Species Habitat				
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 3.9 acres Human made? Is wetland part of a wildlife corridor? N or a "habitat island"?

Adjacent land use Roadside Distance to nearest roadway or other development 0

Dominant wetland systems present PSS/FO4/1 Contiguous undeveloped buffer zone present N

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

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

Wetland I.D. 32-48.49.50













Latitude 44.3343 Longitude -71.6941

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent/Temporary Area 1,901sqft/3,626sqft

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	6,13,15		
 Floodflow Alteration	X	2,5,9		
 Fish and Shellfish Habitat	X			
 Sediment/Toxicant Retention	X	4,8		
 Nutrient Removal	X	7,10		
 Production Export	X	4		
 Sediment/Shoreline Stabilization	X			Road/Drag strip
 Wildlife Habitat	X	7,8,11		
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.6 acres Human made? Altered Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use ROAD/ATF Distance to nearest roadway or other development 0

Dominant wetland systems present PSS/FO Contiguous undeveloped buffer zone present 0

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

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

Wetland I.D. 33-52.53.54.55.56





Latitude 44.3334 Longitude -71.6940

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent/Temporary/ATF Area 2149/4637/6420sqft

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			AtF roadside fills
 Floodflow Alteration	X			
 Fish and Shellfish Habitat	X			
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			See altered contiguous
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	7,8		Altered by road
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.02 acres Human made? Altered Is wetland part of a wildlife corridor? _____ or a "habitat island"? N

Adjacent land use ROAD Distance to nearest roadway or other development 0

Dominant wetland systems present PSS1E Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 34-57

Latitude 44.3311 Longitude -71.6947

Prepared by: BHK Date 11/23

Wetland Impact:
Type Permanent/Temporary Area 357sqft/249sqft

Evaluation based on:
Office X 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	6		Small poorly dug roadside wetland Inclusion
 Floodflow Alteration	X			
 Fish and Shellfish Habitat	X			
 Sediment/Toxicant Retention	X	1		
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X			Roadside wetland pocket
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 1.5 acres Human made? Altered Is wetland part of a wildlife corridor? _____ or a "habitat island"? Y

Adjacent land use Road Distance to nearest roadway or other development +/- ' _____

Dominant wetland systems present PSS/FO Contiguous undeveloped buffer zone present Headwater Roadside

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

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

Wetland I.D. 34-58.59.60.61








Latitude 44.3292 Longitude -71.6942

Prepared by: BHK Date 9/23

Wetland Impact:
Type Perm/Temp/ATF Area 2335/6071/19346sqft

Evaluation based on:
Office X 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			ATF/ROADSIDE
 Floodflow Alteration	X			
 Fish and Shellfish Habitat	X			
 Sediment/Toxicant Retention	X			See altered contiguous
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X			
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 1.1 acres Human made? _____ Is wetland part of a wildlife corridor? N or a "habitat island"? _____

Adjacent land use ROUTE 116/DOUGLAS RD Distance to nearest roadway or other development +/- 20'

Dominant wetland systems present PFO/R4UB/EMd Contiguous undeveloped buffer zone present N

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

How many tributaries contribute to the wetland? 1 Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 35-61













Latitude 44.3284 Longitude -71.6933

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent Area 767sqft

Evaluation based on:
Office X 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	4,6,13	P	
 Floodflow Alteration	X	5		Drains to nearby river
 Fish and Shellfish Habitat	X			None present
 Sediment/Toxicant Retention	X	10		Potential
 Nutrient Removal	X	7		
 Production Export	X			Restrictive intermittent flow
 Sediment/Shoreline Stabilization	X	2		Restrictive intermittent flow
 Wildlife Habitat	X	6,7,8,11	P	Dense hardwood/spruce-fir wetlands
 Recreation	X			Positioned between Douglas Dr
 Educational/Scientific Value	X			and Route 116 draining to nearby
 Uniqueness/Heritage	X			Ammonoosuc River
 Visual Quality/Aesthetics	X			
ES Endangered Species Habitat	X			
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? Y Is wetland part of a wildlife corridor? N or a "habitat island"?

Adjacent land use ROUTE 116 Distance to nearest roadway or other development +/- 40'

Dominant wetland systems present PSS Contiguous undeveloped buffer zone present N

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

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

Wetland I.D. 35-62













Latitude 44.3279 Longitude -71.6945

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent ATF Area 767sqft

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	6,13,15		Roadside/ATF Fill
 Floodflow Alteration	X			Drains to Route 116
 Fish and Shellfish Habitat	X			None Present
 Sediment/Toxicant Retention	X			Roadside Ditch/Culvert to River
 Nutrient Removal	X			Roadside Ditch/Culvert to River
 Production Export	X			Roadside Ditch/Culvert to River
 Sediment/Shoreline Stabilization	X			Roadside Ditch/Culvert to River
 Wildlife Habitat	X			Situated between Route 116 and Douglas Road
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? ALTERED Is wetland part of a wildlife corridor? N or a "habitat island"?

Adjacent land use ROUTE 116 AND RAILROAD Distance to nearest roadway or other development ROADSIDE

Dominant wetland systems present PSS/FO, R3UBH Contiguous undeveloped buffer zone present N

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

How many tributaries contribute to the wetland? 1 Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 35-68













Latitude 44.3274 Longitude -71.6919

Prepared by: BHK Date 9/23

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	4		
 Floodflow Alteration	X	13		Small area, limited flood storage capacity
 Fish and Shellfish Habitat	X			
 Sediment/Toxicant Retention	X	3		Collects cross culvert and roadside drainage
 Nutrient Removal	X			
 Production Export	X			Connected by R3UBH to wetlands north of Route 116 by 24" RCP
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X			
 Recreation	X			Altered wetlands positioned between Route 116 and Railroad
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? ALTERED Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use ROUTE 116/ FORMER RAILROAD Distance to nearest roadway or other development 0

Dominant wetland systems present PSS/FO/R3UBH Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 35-70.71.72











Latitude 44.3273 Longitude -71.6944

Prepared by: BHK Date 9/23

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	6		4 altered wet inclusions between Route 116 and former railroad
 Floodflow Alteration	X			
 Fish and Shellfish Habitat	X			
 Sediment/Toxicant Retention	X	2		Small isolated roadside wetlands
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X			Roadside wetlands
 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.

Wetland Function-Value Evaluation Form

Total area of wetland _____ Human made? _____ Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORMER RAILROAD/ROUTE 116 Distance to nearest roadway or other development +/- 50'

Dominant wetland systems present R2UBH Contiguous undeveloped buffer zone present RAILROAD

Is the wetland a separate hydraulic system? _____ If not, where does the wetland lie in the drainage basin? AMMO. RIVER BASIN

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

Wetland I.D. 36-Ammonoosuc River













Latitude 44.3266 Longitude -71.6946

Prepared by: BHK Date 10/23

Wetland Impact:
Type _____ Area _____

Evaluation based on:
Office Field _____

Corps manual wetland delineation completed? Y N _____

Function/Value	Suitability Y / N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge	X	1,2,4,8,13,15	P	
 Floodflow Alteration	X	8,9,11	P	Large riverine hydroplain wetland complex
 Fish and Shellfish Habitat	X	1,3,4,5,6,7,12	P	along river corridor
 Sediment/Toxicant Retention	X	1,2,3,10,12,15,16	P	Dense floodplain wetlands
 Nutrient Removal	X	4,8,9,10	P	R3UBH drains from 35-68 to wetland
 Production Export	X	1,4,5,6,7,8,10	P	floodplain and river
 Sediment/Shoreline Stabilization	X	1,2,3,4,7,8	P	
 Wildlife Habitat	X	2,7,8,9,10,11,13	P	Wildlife corridor
 Recreation	X	2,5,7,9,12		Opportunity present - limited access
 Educational/Scientific Value	X	5		Opportunity present - limited access
 Uniqueness/Heritage	X			Opportunity present - limited access
 Visual Quality/Aesthetics	X			Viewshed opportunity present
ES Endangered Species Habitat	X			
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 16.3 acres Human made? Is wetland part of a wildlife corridor? or a "habitat island"?

Adjacent land use FORESTED Distance to nearest roadway or other development +/- 1000'

Dominant wetland systems present PEM/SS, R3UBH Contiguous undeveloped buffer zone present

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

How many tributaries contribute to the wetland? 1 Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 3-C/X ABOVE CONFLUENCE

Latitude 44.3507 Longitude -71.6966

Prepared by: BHK Date 9/23

Wetland Impact:
Type N/A Area _____

Evaluation based on:
Office Field

Corps manual wetland delineation completed? Y N

Function/Value	Suitability Y / N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
Groundwater Recharge/Discharge	X	4,7,12,13,15	P	Large wetlands complex down gradient of till soils
Floodflow Alteration	X	2,5,8,9,16?,13,16	P	Wetlands contains a series of beaver dams
Fish and Shellfish Habitat	X	1,4,7,10,12,14,17		Small stream, marginal fish habitat
Sediment/Toxicant Retention	X	1,2,3,8,10,11,12,13,16	P	Series of beaver dams slow and impound flows
Nutrient Removal	X	5,6,7,8,9,10,11,13	P	Dense vegetation present
Production Export	X	1,4,5,6,7,8,10	P	Perennial headwater stream to Alder Brook
Sediment/Shoreline Stabilization	X	2,9,12,15		
Wildlife Habitat	X	1,2,3,4,5,6,7,8,9,10,11,13,14,15,16,17,19,20,21	P	Headwater wetlands associated with a large wetland complex and unfragmented forested upland habitat
Recreation	X			Private property
Educational/Scientific Value	X			
Uniqueness/Heritage	X			Remote headwater wetland. Private Property
Visual Quality/Aesthetics	X			Remote headwater wetland. Private Property
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 4.5 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"? N

Adjacent land use FOREST Distance to nearest roadway or other development 1 MILE

Dominant wetland systems present PSS/FO1/4Eb Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? N If not, where does the wetland lie in the drainage basin? HEADWATERS ALDER BROOK

How many tributaries contribute to the wetland? 2 Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 3_K43













Latitude 44.3480 Longitude -71.7017

Prepared by: BHK Date 7/20

Wetland Impact:
Type _____ Area _____

Evaluation based on:
Office X 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	6,7,13	P	GW discharge with glacial till soils/GW seeps
 Floodflow Alteration	X	2,5,6,9,10,13,18	P	Part of a series of inter-connected headwater wetlands
 Fish and Shellfish Habitat	X	1,4,12	P	only in lower reaches of watershed
 Sediment/Toxicant Retention	X	1,7,8,9,10,12-16	P	Gravel access road, quarry, asphalt plant, aggregate stockpiles
 Nutrient Removal	X	2,3,5,7,8,9-15	P	Wetland interconnected with series of old and active beaver ponds
 Production Export	X	1,2,4,5,6,7,8,10,12	P	Wetland interconnected with series of old and active beaver ponds
 Sediment/Shoreline Stabilization	X	2,3,6,8,9,12,13,15	P	
 Wildlife Habitat	X	1,2,3,4,5,6-9,11,13-22	P	
 Recreation	X	5		Privately-owned
 Educational/Scientific Value	X	5		Privately-owned
 Uniqueness/Heritage	X	4,5,22,27		Part of a larger headwater complex to Alder Brook, typically in area
 Visual Quality/Aesthetics	X	3,5,8		Gravel operation, Quarry and Asphalt plant in vicinity
ES Endangered Species Habitat	X			No RTE habitat
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 5.9 acres Human made? Is wetland part of a wildlife corridor? or a "habitat island"?

Adjacent land use Forested Distance to nearest roadway or other development +/- 2000'

Dominant wetland systems present PSS, PEM, PFO Contiguous undeveloped buffer zone present

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

How many tributaries contribute to the wetland? None Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. 4-J/C at P/L













Latitude 44.3455 Longitude -71.7002

Prepared by: BHK Date 10/23

Wetland Impact:
Type NONE Area

Evaluation based on:
Office Field

Corps manual wetland delineation completed? Y N

Function/Value	Suitability Y / N	Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge	X	4,7,12,13	P	Lower headwater associated with a large wetlands complex
 Floodflow Alteration	X	2,5,6,8,9,18	P	Dense broad wetlands complex
 Fish and Shellfish Habitat	X	1		No fish habitat present
 Sediment/Toxicant Retention	X	3,5,8	P	Lower headwater wetland with dense vegetation present
 Nutrient Removal	X	1,6,8	P	Lower headwater wetland with dense vegetation present
 Production Export	X	1,4,5,7,8,14		Lower headwater wetlands - no channel present
 Sediment/Shoreline Stabilization	X	5		Lower headwater wetlands - no channel present
 Wildlife Habitat	X	1-11,13-17,19,21	P	Remote lower headwater wetland complex interspersed with forested upland habitat
 Recreation	X			Private property
 Educational/Scientific Value	X			Private property
 Uniqueness/Heritage	X			Remote headwater wetlands - private property
 Visual Quality/Aesthetics	X			Remote headwater wetlands - private property
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.9 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use Forested Distance to nearest roadway or other development +/- 1700'

Dominant wetland systems present PSS/PFO Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? N If not, where does the wetland lie in the drainage basin? SUB-HEADWATER TO ALDER Brook BE

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

Wetland I.D. 5-C/L













Latitude 44.3461 Longitude -71.6970

Prepared by: BHK Date 10/23

Wetland Impact:
Type NONE Area _____

Evaluation based on:
Office X 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	4,12,13	P	Discharge wetland to main wetlands complex
 Floodflow Alteration	X	3,5,9		Narrow elongated wetland - no channel
 Fish and Shellfish Habitat	X	1		No stream channel
 Sediment/Toxicant Retention	X	8		Remote narrow elongated wetland
 Nutrient Removal	X			Narrow headwater wetland underlain by till
 Production Export	X	1,4,7		Narrow headwater wetland underlain by till
 Sediment/Shoreline Stabilization	X	2		Shrub/forested wetland - no stream channel
 Wildlife Habitat	X	1-9,11,13,16,17,18,19	P	Wetland positioned within large un-fragmented habitat
 Recreation	X			Private property
 Educational/Scientific Value	X			Private property
 Uniqueness/Heritage	X			
 Visual Quality/Aesthetics	X			Commonly found dense PSS/FO wetland
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 9.3 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FORESTED/WETLAND Distance to nearest roadway or other development +/- 2000'

Dominant wetland systems present PSS/FO, R3UBH Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? N If not, where does the wetland lie in the drainage basin? LOWER HEADWATER

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

Wetland I.D. 6-T393@ P/L CORNER













Latitude 44.3427 Longitude -71.6975

Prepared by: BHK Date 10/23

Wetland Impact:
Type NONE Area _____

Evaluation based on:
Office X 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	4,7,8,12,13	P	Lower headwater wetland with groundwater discharge/recharge
 Floodflow Alteration	X	1,5,6,7,8,9,10,13,18	P	outlet of large wetlands complex to Alder Brook tributary
 Fish and Shellfish Habitat	X	1,2,3,4,7,8,9,10,12,14,15,17	P	
 Sediment/Toxicant Retention	X	3,5,7,8,9,10,11,12,13,14,15,16	P	Perennial stream with beaver ponds - marginal cold water fish habitat
 Nutrient Removal	X	1,3,5,6,7,8,9,10,11	P	large diverse wetland complex with tributary to Alder Brook
 Production Export	X	1,4,5,6,7,8,10,13	P	large wetlands complex with perennial tributary to Alder Brook
 Sediment/Shoreline Stabilization	X	2,7,9,12,13,15	P	Densely vegetated large lower headwater wetland complex
 Wildlife Habitat	X	1-21	P	Lower reaches of significant wildlife habitat
 Recreation	X			Privately owned
 Educational/Scientific Value	X			Privately owned
 Uniqueness/Heritage	X			large un-fragmented wetlands complex
 Visual Quality/Aesthetics	X			remote habitat - privately owned
ES Endangered Species Habitat	X			none known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 13.1 acres Human made? N Is wetland part of a wildlife corridor? Y or a "habitat island"?

Adjacent land use FOREST AND WETLANDS Distance to nearest roadway or other development +/- 1200'

Dominant wetland systems present PSS/FO Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? N If not, where does the wetland lie in the drainage basin? LOWER HEADWATER

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

Wetland I.D. 7-X/Z













Latitude 44.3406 Longitude -71.6970

Prepared by: BHK Date 9/23

Wetland Impact:
Type NONE Area _____

Evaluation based on:
Office X 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	4,7,8,12,13	P	Lower headwater wetland complex with groundwater discharge/recharge
 Floodflow Alteration	X	1,3,5,6,9		lower reaches of large forested wetland with no water course
 Fish and Shellfish Habitat	X	1		No fishery present
 Sediment/Toxicant Retention	X	4,5,8		Forest/shrubs wetland complex - no water course present
 Nutrient Removal	X	7,8,10,11		Forest/shrubs wetland complex - no water course present
 Production Export	X	1,4,5,7,8		Extensive wetland complex with no water course present
 Sediment/Shoreline Stabilization	X	2		
 Wildlife Habitat	X	1-8,10,11,13,15,16,17	P	Large un-fragmented wetland - upland forest habitat
 Recreation	X			Privately owned
 Educational/Scientific Value	X			Privately owned
 Uniqueness/Heritage	X			Commonly found PSS/FO habitat. Privately owned
 Visual Quality/Aesthetics	X			Dense PSS/FO habitat - Privately owned
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.1 acres Human made? Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use ACCESS ROAD Distance to nearest roadway or other development 0

Dominant wetland systems present PSS/FO Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 8-38













Latitude 44.3407 Longitude -71.6938

Prepared by: BHK Date 9/23

Wetland Impact:
Type Temporary Area 48 sqft

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	4		Isolated roadside wetland
 Floodflow Alteration	X	2		Small localized drainage area
 Fish and Shellfish Habitat	X	1		No fishery present
 Sediment/Toxicant Retention	X			Localized roadside wetland
 Nutrient Removal	X			Localized roadside wetland
 Production Export	X			Localized roadside wetland
 Sediment/Shoreline Stabilization	X			Localized roadside wetland
 Wildlife Habitat	X	4,5,7,8		Limited habitat - roadside wetland
 Recreation	X			Privately owned
 Educational/Scientific Value	X			Privately owned
 Uniqueness/Heritage	X			Privately owned
 Visual Quality/Aesthetics	X			Roadside wetland - privately owned
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.004 acres Human made? Y Is wetland part of a wildlife corridor? N or a "habitat island"? Y?













Adjacent land use ROADSIDE Distance to nearest roadway or other development 0

Dominant wetland systems present PSS1Ex Ditch Contiguous undeveloped buffer zone present No

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 8-39
 Latitude 44.3403 Longitude -71.6939
 Prepared by: BHK Date 9/23
 Wetland Impact:
 Type PSS1Ex Area 176 sqft
 Evaluation based on:
 Office X 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	4		Isolated roadside wetland
 Floodflow Alteration	X	2		Small localized drainage area
 Fish and Shellfish Habitat	X	1		No fishery present
 Sediment/Toxicant Retention	X			Localized roadside wetland
 Nutrient Removal	X			Localized roadside wetland
 Production Export	X			Localized roadside wetland
 Sediment/Shoreline Stabilization	X			Localized roadside wetland
 Wildlife Habitat	X	4,5,7,8		Limited habitat - roadside wetland
 Recreation	X			Privately owned
 Educational/Scientific Value	X			Privately owned
 Uniqueness/Heritage	X			Privately owned
 Visual Quality/Aesthetics	X			Roadside wetland - privately owned
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.2 acres Human made? Y Is wetland part of a wildlife corridor? N or a "habitat island"?

Adjacent land use ROADSIDE Distance to nearest roadway or other development 0

Dominant wetland systems present PSS1Edx/PFO Contiguous undeveloped buffer zone present NO

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 8-40













Latitude 44.3397 Longitude -71.6938

Prepared by: BHK Date 9/23

Wetland Impact:
Type Fill/Temporary Area 1,649sqft/643sqft

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	4		See 8-39 roadside ditch wetlands connected to natural PSS/FO wetland roadside hydrologically connected to 8-44 and 8-45 by existing road culverts
 Floodflow Alteration	X	2		
 Fish and Shellfish Habitat	X	1		
 Sediment/Toxicant Retention	X			
 Nutrient Removal	X			
 Production Export	X			
 Sediment/Shoreline Stabilization	X			
 Wildlife Habitat	X	4,5,7,8		
 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.

Wetland Function-Value Evaluation Form

Total area of wetland 0.01 acres Human made? Y Is wetland part of a wildlife corridor? N or a "habitat island"? Y

Adjacent land use ROADSIDE Distance to nearest roadway or other development 0

Dominant wetland systems present PF01E Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? _____ If not, where does the wetland lie in the drainage basin? Connect to 8-40 via culvert

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

Wetland I.D. 8-44













Latitude 44.3400 Longitude -71.6942

Prepared by: BHK Date 9/23

Wetland Impact:
Type Temporary/Permanent Area 162sqft/3sqft

Evaluation based on:
Office X 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				See 34-38
 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				
ES Endangered Species Habitat				
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.2 acres Human made? Is wetland part of a wildlife corridor? N or a "habitat island"?

Adjacent land use ROADSIDE Distance to nearest roadway or other development 0

Dominant wetland systems present PFO1E Contiguous undeveloped buffer zone present N

Is the wetland a separate hydraulic system? If not, where does the wetland lie in the drainage basin? Connects with 8-41 via culverts

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

Wetland I.D. 8-45













Latitude 44.3394 Longitude -71.6943

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent/Temporary Area 124sqft/516sqft

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	4,13		Upper reaches of larger wetlands complex
 Floodflow Alteration	X	2,3,5		Headwater wetland - no water course
 Fish and Shellfish Habitat	X			No fishery present
 Sediment/Toxicant Retention	X	8		No water course
 Nutrient Removal	X			No water course
 Production Export	X	4		General wildlife evidence
 Sediment/Shoreline Stabilization	X	3		Potential limited roadside sediment
 Wildlife Habitat	X	5,7,8,11,16,17	P	Part of a larger wetland complex
 Recreation	X			Privately owned
 Educational/Scientific Value	X			Privately owned
 Uniqueness/Heritage	X			Common forested roadside wetland
 Visual Quality/Aesthetics	X			Common forested roadside wetland
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

Total area of wetland 0.6 acres Human made? N Is wetland part of a wildlife corridor? _____ or a "habitat island"? Y

Adjacent land use FOREST Distance to nearest roadway or other development +/- 250'

Dominant wetland systems present PSS/FO1E Contiguous undeveloped buffer zone present Y

Is the wetland a separate hydraulic system? Y 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)

Wetland I.D. 9-T-601













Latitude 44.3433 Longitude -71.6936

Prepared by: BHK Date 9/23

Wetland Impact:
Type Permanent/Temporary Area 1,627sqft/245sqft

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	13		Groundwater seeps
 Floodflow Alteration	X			Small isolated wetlands
 Fish and Shellfish Habitat	X			No fishery present
 Sediment/Toxicant Retention	X	8,9		Localized surface water runoff
 Nutrient Removal	X	8		Limited wetland area
 Production Export	X	4		Limited wetland area
 Sediment/Shoreline Stabilization	X	2		Small wetlands with no water course
 Wildlife Habitat	X	5,7,8,13,17		Wetlands adjacent to material stockpile yard
 Recreation	X			Privately owned
 Educational/Scientific Value	X			Privately owned
 Uniqueness/Heritage	X			Common wetland - privately owned
 Visual Quality/Aesthetics	X			Wetland adjacent to mining yard - privately owned
ES Endangered Species Habitat	X			None known
Other				

Notes:

* Refer to backup list of numbered considerations.



Appendix A

Wetland evaluation supporting documentation; Reproducible forms.

Below is an example list of considerations that was used for a New Hampshire highway project. Considerations are flexible, based on best professional judgment and interdisciplinary team consensus. This example provides a comprehensive base, however, and may only need slight modifications for use in other projects.



GROUNDWATER RECHARGE/DISCHARGE— This function considers the potential for a wetland to serve as a groundwater recharge and/or discharge area. It refers to the fundamental interaction between wetlands and aquifers, regardless of the size or importance of either.

CONSIDERATIONS/QUALIFIERS

1. Public or private wells occur downstream of the wetland.
2. Potential exists for public or private wells downstream of the wetland.
3. Wetland is underlain by stratified drift.
4. Gravel or sandy soils present in or adjacent to the wetland.
5. Fragipan does not occur in the wetland.
6. Fragipan, impervious soils, or bedrock does occur in the wetland.
7. Wetland is associated with a perennial or intermittent watercourse.
8. Signs of groundwater recharge are present or piezometer data demonstrates recharge.
9. Wetland is associated with a watercourse but lacks a defined outlet or contains a constricted outlet.
10. Wetland contains only an outlet, no inlet.
11. Groundwater quality of stratified drift aquifer within or downstream of wetland meets drinking water standards.
12. Quality of water associated with the wetland is high.
13. Signs of groundwater discharge are present (e.g., springs).
14. Water temperature suggests it is a discharge site.
15. Wetland shows signs of variable water levels.
16. Piezometer data demonstrates discharge.
17. Other



FLOODFLOW ALTERATION (Storage & Desynchronization) — This function considers the effectiveness of the wetland in reducing flood damage by water retention for prolonged periods following precipitation events and the gradual release of floodwaters. It adds to the stability of the wetland ecological system or its buffering characteristics and provides social or economic value relative to erosion and/or flood prone areas.

CONSIDERATIONS/QUALIFIERS

1. Area of this wetland is large relative to its watershed.
2. Wetland occurs in the upper portions of its watershed.
3. Effective flood storage is small or non-existent upslope of or above the wetland.
4. Wetland watershed contains a high percent of impervious surfaces.
5. Wetland contains hydric soils which are able to absorb and detain water.
6. Wetland exists in a relatively flat area that has flood storage potential.
7. Wetland has an intermittent outlet, ponded water, or signs are present of variable water level.
8. During flood events, this wetland can retain higher volumes of water than under normal or average rainfall conditions.
9. Wetland receives and retains overland or sheet flow runoff from surrounding uplands.
10. In the event of a large storm, this wetland may receive and detain excessive flood water from a nearby watercourse.
11. Valuable properties, structures, or resources are located in or near the floodplain downstream from the wetland.
12. The watershed has a history of economic loss due to flooding.
13. This wetland is associated with one or more watercourses.
14. This wetland watercourse is sinuous or diffuse.
15. This wetland outlet is constricted.
16. Channel flow velocity is affected by this wetland.
17. Land uses downstream are protected by this wetland.
18. This wetland contains a high density of vegetation.
19. Other

FISH AND SHELLFISH HABITAT (FRESHWATER) — This function considers the effectiveness of seasonal or permanent watercourses associated with the wetland in question for fish and shellfish habitat.



CONSIDERATIONS/QUALIFIERS

1. Forest land dominant in the watershed above this wetland.
2. Abundance of cover objects present.

STOP HERE IF THIS WETLAND IS NOT ASSOCIATED WITH A WATERCOURSE

3. Size of this wetland is able to support large fish/shellfish populations.
4. Wetland is part of a larger, contiguous watercourse.
5. Wetland has sufficient size and depth in open water areas so as not to freeze solid and retain some open water during winter.
6. Stream width (bank to bank) is more than 50 feet.
7. Quality of the watercourse associated with this wetland is able to support healthy fish/shellfish populations.
8. Streamside vegetation provides shade for the watercourse.
9. Spawning areas are present (submerged vegetation or gravel beds).
10. Food is available to fish/shellfish populations within this wetland.
11. Barrier(s) to anadromous fish (such as dams, including beaver dams, waterfalls, road crossing) are absent from the stream reach associated with this wetland.
12. Evidence of fish is present.
13. Wetland is stocked with fish.
14. The watercourse is persistent.
15. Man-made streams are absent.
16. Water velocities are not too excessive for fish usage.
17. Defined stream channel is present.
18. Other

Although the above example refers to freshwater wetlands, it can also be adapted for marine ecosystems. The following is an example provided by the National Marine Fisheries Service (NMFS) of an adaptation for the fish and shellfish function.

FISH AND SHELLFISH HABITAT (MARINE) — This function considers the effectiveness of wetlands, embayments, tidal flats, vegetated shallows, and other environments in supporting marine resources such as fish, shellfish, marine mammals, and sea turtles.

CONSIDERATIONS/QUALIFIERS

1. Special aquatic sites (tidal marsh, mud flats, eelgrass beds) are present.
2. Suitable spawning habitat is present at the site or in the area.
3. Commercially or recreationally important species are present or suitable habitat exists.
4. The wetland/waterway supports prey for higher trophic level marine organisms.
5. The waterway provides migratory habitat for anadromous fish.
6. Essential fish habitat, as defined by the 1996 amendments to the Magnuson-Stevens Fishery & Conservation Act, is present (consultation with NMFS may be necessary).
7. Other



SEDIMENT/TOXICANT/PATHOGEN RETENTION — This function reduces or prevents degradation of water quality. It relates to the effectiveness of the wetland as a trap for sediments, toxicants, or pathogens in runoff water from surrounding uplands or upstream eroding wetland areas.

CONSIDERATIONS/QUALIFIERS

1. Potential sources of excess sediment are in the watershed above the wetland.
2. Potential or known sources of toxicants are in the watershed above the wetland.
3. Opportunity for sediment trapping by slow moving water or deepwater habitat are present in this wetland.
4. Fine grained mineral or organic soils are present.
5. Long duration water retention time is present in this wetland.
6. Public or private water sources occur downstream.
7. The wetland edge is broad and intermittently aerobic.
8. The wetland is known to have existed for more than 50 years.
9. Drainage ditches have not been constructed in the wetland.

STOP HERE IF WETLAND IS NOT ASSOCIATED WITH A WATERCOURSE.

10. Wetland is associated with an intermittent or perennial stream or a lake.
11. Channelized flows have visible velocity decreases in the wetland.
12. Effective floodwater storage in wetland is occurring. Areas of impounded open water are present.
13. No indicators of erosive forces are present. No high water velocities are present.
14. Diffuse water flows are present in the wetland.
15. Wetland has a high degree of water and vegetation interspersion.
16. Dense vegetation provides opportunity for sediment trapping and/or signs of sediment accumulation by dense vegetation is present.
17. Other



NUTRIENT REMOVAL/RETENTION/TRANSFORMATION — This function considers the effectiveness of the wetland as a trap for nutrients in runoff water from surrounding uplands or contiguous wetlands and the ability of the wetland to process these nutrients into other forms or trophic levels. One aspect of this function is to prevent ill effects of nutrients entering aquifers or surface waters such as ponds, lakes, streams, rivers, or estuaries.

CONSIDERATIONS/QUALIFIERS

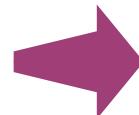
1. Wetland is large relative to the size of its watershed.
2. Deep water or open water habitat exists.
3. Overall potential for sediment trapping exists in the wetland.

4. Potential sources of excess nutrients are present in the watershed above the wetland.
5. Wetland saturated for most of the season. Pondered water is present in the wetland.
6. Deep organic/sediment deposits are present.
7. Slowly drained fine grained mineral or organic soils are present.
8. Dense vegetation is present.
9. Emergent vegetation and/or dense woody stems are dominant.
10. Opportunity for nutrient attenuation exists.
11. Vegetation diversity/abundance sufficient to utilize nutrients.

STOP HERE IF WETLAND IS NOT ASSOCIATED WITH A WATERCOURSE.

12. Waterflow through this wetland is diffuse.
13. Water retention/detention time in this wetland is increased by constricted outlet or thick vegetation.
14. Water moves slowly through this wetland.
15. Other

PRODUCTION EXPORT (Nutrient) — This function evaluates the effectiveness of the wetland to produce food or usable products for humans or other living organisms.



CONSIDERATIONS/QUALIFIERS

1. Wildlife food sources grow within this wetland.
2. Detritus development is present within this wetland
3. Economically or commercially used products found in this wetland.
4. Evidence of wildlife use found within this wetland.
5. Higher trophic level consumers are utilizing this wetland.
6. Fish or shellfish develop or occur in this wetland.
7. High vegetation density is present.
8. Wetland exhibits high degree of plant community structure/species diversity.
9. High aquatic vegetative diversity/abundance is present.
10. Nutrients exported in wetland watercourses (permanent outlet present).
11. “Flushing” of relatively large amounts of organic plant material occurs from this wetland.
12. Wetland contains flowering plants that are used by nectar-gathering insects.
13. Indications of export are present.
14. High production levels occurring, however, no visible signs of export (assumes export is attenuated).
15. Other

SEDIMENT/ShORELINE STABILIZATION — This function considers the effectiveness of a wetland to stabilize streambanks and shorelines against erosion.



CONSIDERATIONS/QUALIFIERS

1. Indications of erosion or siltation are present.
2. Topographical gradient is present in wetland.
3. Potential sediment sources are present up-slope.
4. Potential sediment sources are present upstream.
5. No distinct shoreline or bank is evident between the waterbody and the wetland or upland.
6. A distinct step between the open waterbody or stream and the adjacent land exists (i.e., sharp bank) with dense roots throughout.
7. Wide wetland (>10') borders watercourse, lake, or pond.
8. High flow velocities in the wetland.
9. The watershed is of sufficient size to produce channelized flow.
10. Open water fetch is present.
11. Boating activity is present.
12. Dense vegetation is bordering watercourse, lake, or pond.
13. High percentage of energy-absorbing emergents and/or shrubs border a watercourse, lake, or pond.
14. Vegetation is comprised of large trees and shrubs that withstand major flood events or erosive incidents and stabilize the shoreline on a large scale (feet).
15. Vegetation is comprised of a dense resilient herbaceous layer that stabilizes sediments and the shoreline on a small scale (inches) during minor flood events or potentially erosive events.
16. Other



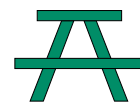
WILDLIFE HABITAT — This function considers the effectiveness of the wetland to provide habitat for various types and populations of animals typically associated with wetlands and the wetland edge. Both resident and/or migrating species must be considered. Species lists of observed and potential animals should be included in the wetland assessment report.¹

CONSIDERATIONS/QUALIFIERS

1. Wetland is not degraded by human activity.
2. Water quality of the watercourse, pond, or lake associated with this wetland meets or exceeds Class A or B standards.
3. Wetland is not fragmented by development.
4. Upland surrounding this wetland is undeveloped.
5. More than 40% of this wetland edge is bordered by upland wildlife habitat (e.g., brushland, woodland, active farmland, or idle land) at least 500 feet in width.
6. Wetland is contiguous with other wetland systems connected by a watercourse or lake.
7. Wildlife overland access to other wetlands is present.
8. Wildlife food sources are within this wetland or are nearby.
9. Wetland exhibits a high degree of interspersions of vegetation classes and/or open water.
10. Two or more islands or inclusions of upland within the wetland are present.
11. Dominant wetland class includes deep or shallow marsh or wooded swamp.
12. More than three acres of shallow permanent open water (less than 6.6 feet deep), including streams in or adjacent to wetland, are present.
13. Density of the wetland vegetation is high.
14. Wetland exhibits a high degree of plant species diversity.
15. Wetland exhibits a high degree of diversity in plant community structure (e.g., tree/shrub/vine/grasses/mosses)
16. Plant/animal indicator species are present. (List species for project)
17. Animal signs observed (tracks, scats, nesting areas, etc.)
18. Seasonal uses vary for wildlife and wetland appears to support varied population diversity/abundance during different seasons.
19. Wetland contains or has potential to contain a high population of insects.
20. Wetland contains or has potential to contain large amphibian populations.
21. Wetland has a high avian utilization or its potential.
22. Indications of less disturbance-tolerant species are present.
23. Signs of wildlife habitat enhancement are present (birdhouses, nesting boxes, food sources, etc.).
24. Other

¹In March 1995, a rapid wildlife habitat assessment method was completed by a University of Massachusetts research team with funding and oversight provided by the New England Transportation Consortium. The method is called WEThings (wetland habitat indicators for non-game species). It produces a list of potential wetland-dependent mammal, reptile, and amphibian species that may be present in the wetland. The output is based on observable habitat characteristics documented on the field data form. This method may be used to generate the wildlife species list recommended as backup information to the wetland evaluation form and to augment the considerations. Use of this method should first be coordinated with the Corps project manager. A computer program is also available to expedite this process.

RECREATION (Consumptive and Non-Consumptive) — This value considers the suitability of the wetland and associated watercourses to provide recreational opportunities such as hiking, canoeing, boating, fishing, hunting, and other active or passive recreational activities. Consumptive opportunities consume or diminish the plants, animals, or other resources that are intrinsic to the wetland. Non-consumptive opportunities do not consume or diminish these resources of the wetland.



CONSIDERATIONS/QUALIFIERS

1. Wetland is part of a recreation area, park, forest, or refuge.
2. Fishing is available within or from the wetland.
3. Hunting is permitted in the wetland.
4. Hiking occurs or has potential to occur within the wetland.
5. Wetland is a valuable wildlife habitat.
6. The watercourse, pond, or lake associated with the wetland is unpolluted.
7. High visual/aesthetic quality of this potential recreation site.
8. Access to water is available at this potential recreation site for boating, canoeing, or fishing.
9. The watercourse associated with this wetland is wide and deep enough to accommodate canoeing and/or non-powered boating.
10. Off-road public parking available at the potential recreation site.
11. Accessibility and travel ease is present at this site.
12. The wetland is within a short drive or safe walk from highly populated public and private areas.
13. Other

EDUCATIONAL/SCIENTIFIC VALUE — This value considers the suitability of the wetland as a site for an “outdoor classroom” or as a location for scientific study or research.



CONSIDERATIONS/QUALIFIERS

1. Wetland contains or is known to contain threatened, rare, or endangered species.
2. Little or no disturbance is occurring in this wetland.
3. Potential educational site contains a diversity of wetland classes which are accessible or potentially accessible.
4. Potential educational site is undisturbed and natural.
5. Wetland is considered to be a valuable wildlife habitat.
6. Wetland is located within a nature preserve or wildlife management area.
7. Signs of wildlife habitat enhancement present (bird houses, nesting boxes, food sources, etc.).
8. Off-road parking at potential educational site suitable for school bus access in or near wetland.
9. Potential educational site is within safe walking distance or a short drive to schools.
10. Potential educational site is within safe walking distance to other plant communities.
11. Direct access to perennial stream at potential educational site is available.
12. Direct access to pond or lake at potential educational site is available.
13. No known safety hazards exist within the potential educational site.
14. Public access to the potential educational site is controlled.
15. Handicap accessibility is available.
16. Site is currently used for educational or scientific purposes.
17. Other

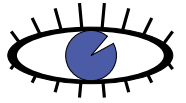


UNIQUENESS/HERITAGE — This value considers the effectiveness of the wetland or its associated waterbodies to provide certain special values. These may include archaeological sites, critical habitat for endangered species, its overall health and appearance, its role in the ecological system of the area, its relative importance as a typical wetland class for this geographic location. These functions are clearly valuable wetland attributes relative to aspects of public health, recreation, and habitat diversity.

CONSIDERATIONS/QUALIFIERS

1. Upland surrounding wetland is primarily urban.
2. Upland surrounding wetland is developing rapidly.
3. More than 3 acres of shallow permanent open water (less than 6.6 feet deep), including streams, occur in wetlands.
4. Three or more wetland classes are present.
5. Deep and/or shallow marsh or wooded swamp dominate.
6. High degree of interspersion of vegetation and/or open water occur in this wetland.
7. Well-vegetated stream corridor (15 feet on each side of the stream) occurs in this wetland.
8. Potential educational site is within a short drive or a safe walk from schools.
9. Off-road parking at potential educational site is suitable for school buses.
10. No known safety hazards exist within this potential educational site.
11. Direct access to perennial stream or lake exists at potential educational site.
12. Two or more wetland classes are visible from primary viewing locations.
13. Low-growing wetlands (marshes, scrub-shrub, bogs, open water) are visible from primary viewing locations.
14. Half an acre of open water or 200 feet of stream is visible from the primary viewing locations.
15. Large area of wetland is dominated by flowering plants or plants that turn vibrant colors in different seasons.
16. General appearance of the wetland visible from primary viewing locations is unpolluted and/or undisturbed.
17. Overall view of the wetland is available from the surrounding upland.
18. Quality of the water associated with the wetland is high.
19. Opportunities for wildlife observations are available.
20. Historical buildings are found within the wetland.
21. Presence of pond or pond site and remains of a dam occur within the wetland.
22. Wetland is within 50 yards of the nearest perennial watercourse.
23. Visible stone or earthen foundations, berms, dams, standing structures, or associated features occur within the wetland.
24. Wetland contains critical habitat for a state- or federally-listed threatened or endangered species.
25. Wetland is known to be a study site for scientific research.
26. Wetland is a natural landmark or recognized by the state natural heritage inventory authority as an exemplary natural community.
27. Wetland has local significance because it serves several functional values.
28. Wetland has local significance because it has biological, geological, or other features that are locally rare or unique.
29. Wetland is known to contain an important archaeological site.
30. Wetland is hydrologically connected to a state or federally designated scenic river.
31. Wetland is located in an area experiencing a high wetland loss rate.
32. Other

VISUAL QUALITY/AESTHETICS — This value considers the visual and aesthetic quality or usefulness of the wetland.



CONSIDERATIONS/QUALIFIERS

1. Multiple wetland classes are visible from primary viewing locations.
2. Emergent marsh and/or open water are visible from primary viewing locations.
3. A diversity of vegetative species is visible from primary viewing locations.
4. Wetland is dominated by flowering plants or plants that turn vibrant colors in different seasons.
5. Land use surrounding the wetland is undeveloped as seen from primary viewing locations.
6. Visible surrounding land use form contrasts with wetland.
7. Wetland views absent of trash, debris, and signs of disturbance.
8. Wetland is considered to be a valuable wildlife habitat.
9. Wetland is easily accessed.
10. Low noise level at primary viewing locations.
11. Unpleasant odors absent at primary viewing locations.
12. Relatively unobstructed sight line exists through wetland.
13. Other

ENDANGERED SPECIES HABITAT — This value considers the suitability of the wetland to support threatened or endangered species.

ES

CONSIDERATIONS/QUALIFIERS

1. Wetland contains or is known to contain threatened or endangered species.
2. Wetland contains critical habitat for a state or federally listed threatened or endangered species.

Section 9.2

SVAP2 Stream Assessment

STREAM VISUAL ASSESSMENT PROTOCOL
VERSION 2

GRANITE STATE LANDFILL, LLC
DALTON, NEW HAMPSHIRE

PREPARED FOR:

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NOVEMBER 2023

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1.0 INTRODUCTION

This report serves to summarize the Stream Visual Assessment Protocol, Version 2 (SVAP2) findings which measure the general health and ecological function of the permanent stream and intermittent stream to be effected by the proposed Granite State Landfill, LLC located off of Douglas Drive (Figure 1) north of Route 116 in Dalton, New Hampshire.

SVAP2 is a national stream assessment method developed by the USDA Natural Resource Conservation Service (NRCS). This protocol provides a preliminary assessment of a stream's ecosystem at the property level. SVAP2 provides a qualitative visual assessment of the physical, chemical, and biological elements within a specified reach of a stream corridor.

SVAP2 is used as a tool to qualitatively score various stream parameters or elements in order to determine principal stream functions. Based on the project's proposed stream impacts, mitigation for the loss of function can be assessed.

2.0 METHODOLOGY

The SVAP2 field assessment was conducted in May 2020 by Certified Wetland Scientist/Wildlife Biologist, Barry H. Keith. The assessment centered on two (Figure: 2) stream locations which would be affected by the proposed project. Station "A" incorporates the downgradient reach of perennial stream associated with the no-named stream crossing upgrade at Douglas Drive. Station "B" serves to provide a typical snapshot of a reach of intermittent stream that is planned to be impacted by the landfill footprint.

At each location, the bankfull channel width was determined. This measurement represents the average stream width at the approximate elevation where the stream flow can overtop the active channel. The reach is determined by multiplying the bankfull channel width by 12.

The assessment scores 15 elements (Table 2) to determine a range of scores based on quality or function of a given element. The overall score is determined by adding (total score) the values for each element divided by the number of elements assessed. The overall scores range from 1 to 10. The higher the score, the higher the quality of the stream condition, as follows:

Table 1
SVAP2 SCORE RANKINGS

Score (overall score)	Stream Condition
<i>1.0 to 2.9</i>	<i>Severely Degraded</i>
<i>3.0 to 4.9</i>	<i>Poor</i>
<i>5.0 to 6.9</i>	<i>Fair</i>
<i>7.0 to 8.9</i>	<i>Good</i>
<i>9.0 to 10</i>	<i>Excellent</i>

Table 2
SVAP2 ASSESSMENT ELEMENTS*

No.	Element
1	Channel Condition
2	Hydrologic Alteration
3	Bank Condition
4	Riparian Area Quality- Natural Plant Community Cover
5	Riparian Area Quality- Natural Plant Community Diversity & Density
6	Canopy Cover/Stream Shading
7	Water Appearance
8	Nutrient Enrichment
9	Manure or Human Waste
10	Pools
11	Barriers to Aquatic Species Movement
12	Fish Habitat Complexity
13	Aquatic Invertebrate Habitat Complexity
14	Aquatic Invertebrate Community
15	Riffle Embeddedness

* Note: Elements 1-7 are required to be assessed. Other elements may be assessed based on the ecological setting of the stream.

3.0 OBSERVATIONS

Station A is located approximately 800 feet southwest of Douglas Drive. This no-name permanent stream serves, in part, as a headwater stream for Alder Brook, a tributary to the Ammonoosuc River. The stream and associated wetland at this location are relatively narrow when compared to the broader wetlands positioned to the east and west of the proposed crossing. A series of abandoned and active beaver dams are found throughout this drainage. Beaver have recently returned to re-establish colonies at the existing dams immediately upstream (east) and downstream (west) of this site.

The stream was classified under the National Wetland Inventory (NWI) classification system as a Riverine upper perennial, unconsolidated bottom, permanently flooded (R3UBH) habitat. The stream at this location consists of three narrow (3) braided channels positioned within a narrow area of Palustrine broad-leaved deciduous scrub-shrub (PSS1) wetland. In aggregate, the bankfull channel width was estimated to be approximately 5 feet. The reach (5'x12=60') length was determined to be approximately 60 feet with a mean floodplain width of approximately 15 feet.

Station B was positioned within the approximate center of an intermittent no name stream channel located northeast of Douglas Drive within the proposed landfill development area. This location was chosen to provide a representative profile of the existing stream characteristics of this stream. The stream is positioned within relatively steep terrain with a forested watershed dominated by northern hardwood forest. The stream originates from a groundwater seep and drains in a general west to southwest direction where it discharges into a permanent no-name stream immediately west of Douglas Drive. This permanent stream also serves as a tributary to Alder Brook. Due to the watershed's topography and glacial till soils, portions of the stream exhibit "flashy" conditions following snow melt and after major storm events. As the stream reaches the base of the watershed, the topography becomes more gently sloping and soils become less restrictive and more permeable in nature. At this point, the stream channel is no longer evident as surface waters are absorbed by the wetlands at the toe of slope.

The stream was classified under the NWI classification system as Riverine intermittent, unconsolidated bottom, intermittently flooded (R4UBJ). The bankfull channel width was estimated to be approximately 5 feet with a stream reach of approximately 60 feet.

The SVAP2 Station locations are depicted on Figure 3.

4.0 SUMMARY

Each stream was assessed using the Stream Visual Assessment Protocol 2 Summary Sheets found in Appendix A. A representative photo log is found in Appendix B.

As previously stated, using this method the various pertinent elements were scored (1-10) in accordance with the respective SVAP2 scoring matrix for the given element. The sum of these scores divided by the number of elements assessed was used to determine an overall score ranking stream condition.

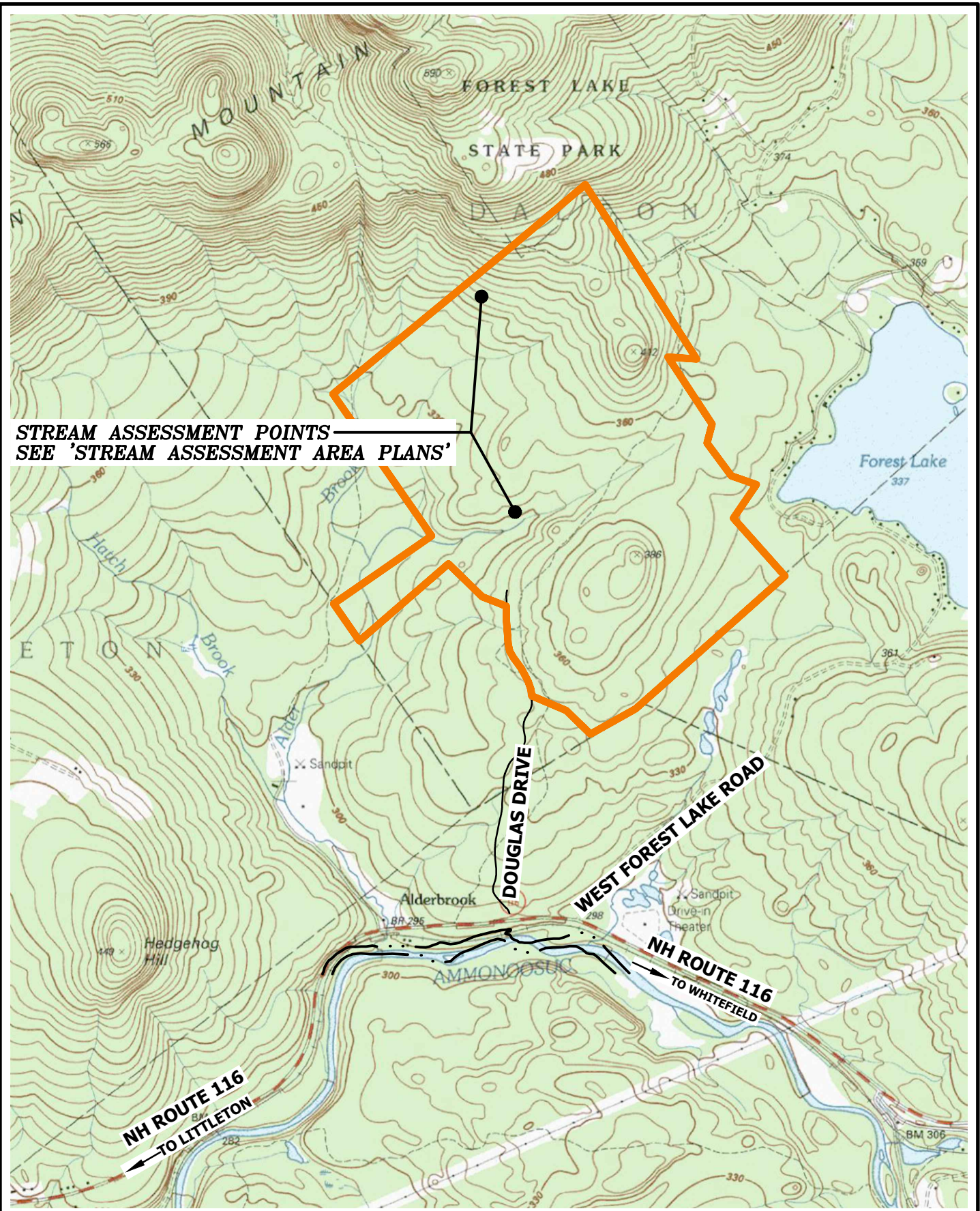
Thirteen (13) elements were assessed for the reach of perennial stream associated with the proposed stream crossing at Station A. No aquatic invertebrate survey was conducted within the scope of this review. Whereas this site is somewhat remote, the salinity element (Element #16) was considered not applicable (N/A).

The sum of elements scored received a total score of 103. This number divided by the 13 elements assessed provides an overall score of 7.92, which ranks the stream condition as "Good".

Twelve (12) elements were assessed for the representative reach of intermittent stream at Station B to be impacted by the landfill footprint. As with Station A, no aquatic invertebrate survey was conducted and the salinity element was not assessed, since the stream is positioned within a remote forested watershed. The Fish Habitat Complexity element (Element # 12) was not assessed since observations indicate that this intermittent stream does not support a known fish population.

The sum of elements scored was 102. Divided by the 12 elements assessed, the overall score was determined to be 8.5. The stream condition was ranked as "Good".

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STREAM ASSESSMENT POINTS
SEE 'STREAM ASSESSMENT AREA PLANS'

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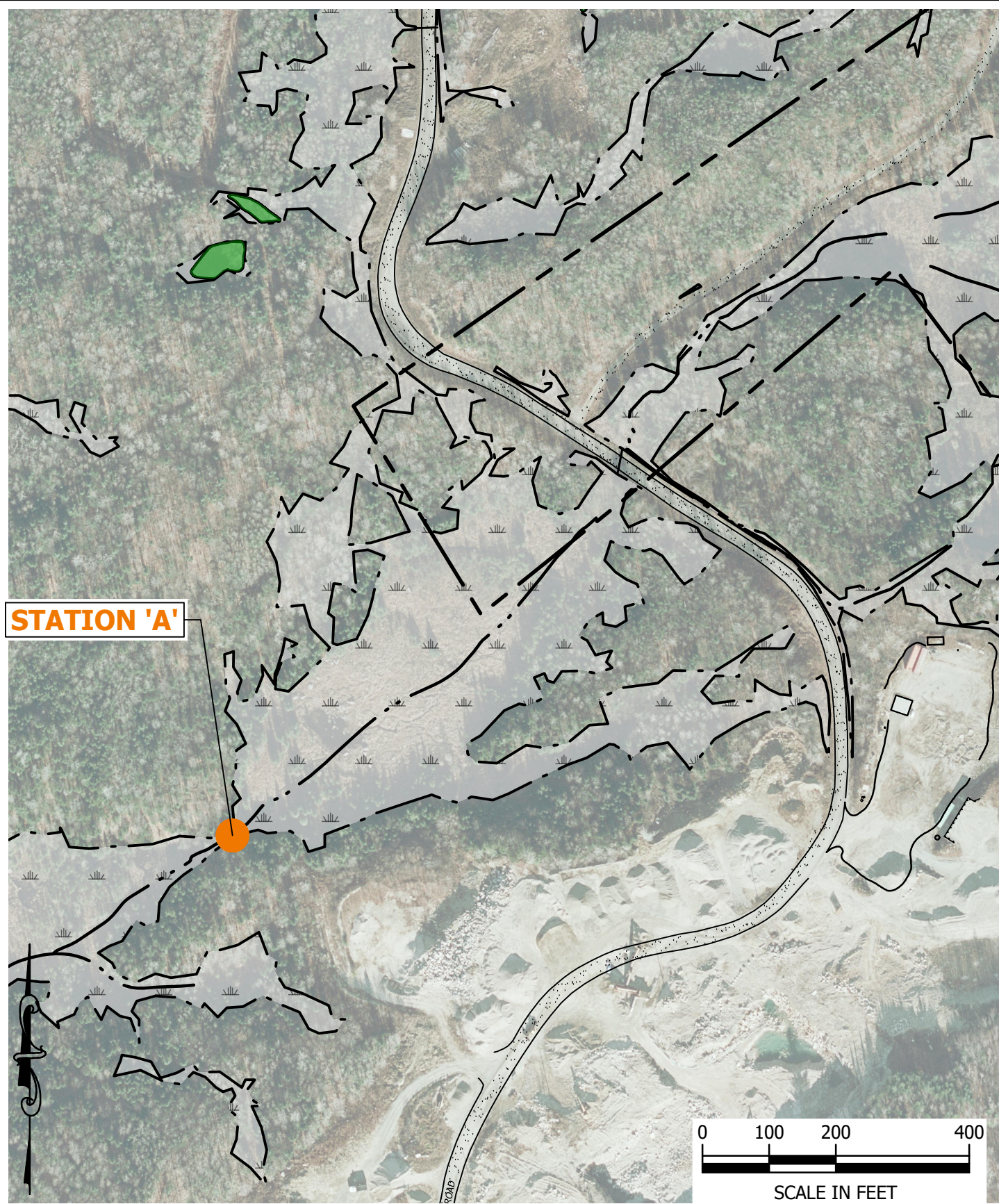
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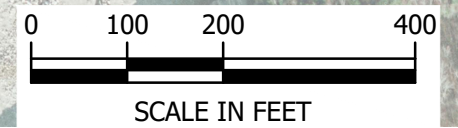
FIGURE 1 - STREAM ASSESSMENT POINTS
LOCATION PLAN

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DRAWN BY:	BHK/KRP
DATE:	NOV 2023

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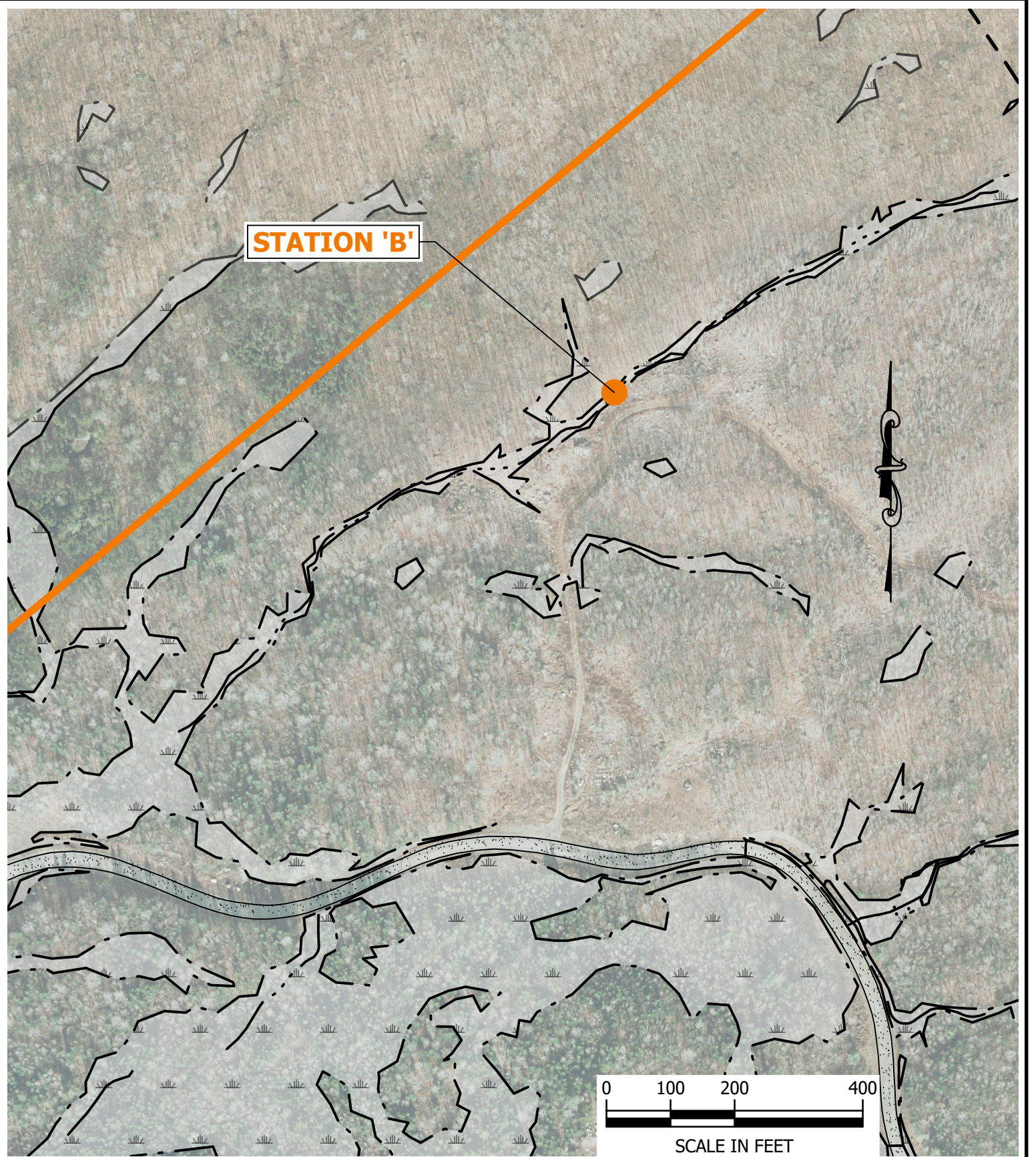


STATION 'A'

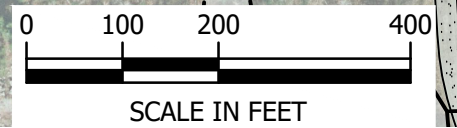


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STATION 'B'



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FIGURE 2 - STREAM ASSESSMENT AREA PLANS

PROJECT #:
 19045
 DRAWN BY:
 BHK/KRP
 DATE:
 NOV 2023

Granite State Landfill



**STATION: A - No Name Perennial Stream
(5-21-20)**

Granite State Landfill



**STATION: B - Intermittent headwater stream
(5-14-20)**