

Wetland Function-Value Evaluation Form









Wetland I.D.	050715_JC_1001_PSS
Complex Notes	Forms complex with 050715_JC_1001a_PEM and 050715_JC_1001b_PEM
Latitude	41.34618665
Longitude	-75.94405202
Prepared by	M. Kline, J. Dancho
Date	4/4/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	2.28 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	FORESTED/ROW
Distance to nearest roadway or other development	ROAD WITHIN WETLAND
Dominant wetland systems present	PEM/PSS
Contiguous undeveloped buffer zone present? (select)	No
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	Yes
How many tributaries contribute to the wetland?	
Wildlife & vegetation diversity/abundance (see attached list)	

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
Groundwater Recharge/Discharge	Yes		2,8	
Floodflow Alteration	Yes		2,3,5,6,8,9	
Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	Yes		1,2,3,5,7,9	
Nutrient Removal	Yes		3,4,5,6,8,9,10,11	
Production Export	Yes		2,7,12	
Sediment/Shoreline Stabilization	No			
Wildlife Habitat	Yes	Yes	7,8,11,13,15,16,17,19,20	Peepers
Recreation	No			
Educational/Scientific Value	No			
Uniqueness/Heritage	No			
Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.









Wetland Function-Value Evaluation Form

Wetland I.D.	010716 GM 1002 PEM
Complex Notes	Forms complex with 010716 GM 1002 PSS
Latitude	41.34886643
Longitude	-75.94812918
Prepared by	M. Kline, J. Dancho
Date	4/4/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	0.73 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	OPEN FIELD/FOREST
Distance to nearest roadway or other development	50 feet
Dominant wetland systems present	PEM/PSS
Contiguous undeveloped buffer zone present? (select)	No
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	No
How many tributaries contribute to the wetland?	
Wildlife & vegetation diversity/abundance (see attached list)	

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes		2,8,13	
 Floodflow Alteration	Yes	Yes	2,3,5,6,7,8,9,18	
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	Yes		1,2,3,4,5,7,9	
Nutrient Removal	Yes		3,4,5,8,9,10,11	
 Production Export	Yes		1,2,7,11,12	
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes		7,8,19	
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form









Wetland I.D.	053117_MB_1001_PEM			
Latitude	41.349167			
Longitude	-75.947969			
Prepared by	M.Benfer/J.Dancho			
Date	5/31/2017			
Wetland Impact Type	See impact table			
Wetland Impact Area	See impact table*			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	.31 acre			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	forest, residential, agricultural			
Distance to nearest roadway or other development	0 feet			
Dominant wetland systems present	PEM/PSS			
Contiguous undeveloped buffer zone present? (select)	No			
Is the wetland a separate hydraulic system? (select)	Yes			
If not, where does the wetland lie in the drainage basin? (select)				
How many tributaries contribute to the wetland?	0			
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes		2,8,13	
 Floodflow Alteration	Yes		3,5,6,8,9,18	
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	Yes		1,2,3,7,8	
Nutrient Removal	Yes		3,4,5,8,9	
 Production Export	Yes		7,12	
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes		6,7,11,13	
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

* Aquatic Resources Impact Table is Provided in JPA Section A-1









Wetland Function-Value Evaluation Form

Wetland I.D.	010716 GM 1001 PFO
Complex Notes	Forms complex with 010716 GM 1001 PEM and 010716 GM 1001 PSS
Latitude	41.34745863
Longitude	-75.94728694
Prepared by	M. Kline, J. Dancho
Date	4/4/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	0.41 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	FORESTED/ROW
Distance to nearest roadway or other development	ROADWAY WITHIN WETLAND
Dominant wetland systems present	PFO
Contiguous undeveloped buffer zone present? (select)	No
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	Yes
How many tributaries contribute to the wetland?	
Wildlife & vegetation diversity/abundance (see attached list)	

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes		2,8	
 Floodflow Alteration	Yes		2,5,6,8,9,18	
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	Yes		1,2,3	
Nutrient Removal	Yes	Yes	3,4,5,8,9,10,11	
 Production Export	Yes		7	
Sediment/Shoreline Stabilization	Yes	Yes	1,2,3,4,5,14,15	
 Wildlife Habitat	Yes		7,11,15	
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.









Wetland Function-Value Evaluation Form

Wetland I.D.	032818 WA 001 PFO			
Latitude	41.341623			
Longitude	-75.922247			
Prepared by	W. Anderson, D. Brightbill			
Date	3/28/2018			
Wetland Impact Type	See impact table			
Wetland Impact Area	See impact table*			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.38 acre			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	Forest			
Distance to nearest roadway or other development	432			
Dominant wetland systems present	PFO			
Contiguous undeveloped buffer zone present? (select)	Yes			
Is the wetland a separate hydraulic system? (select)	No			
If not, where does the wetland lie in the drainage basin? (select)	Yes			
How many tributaries contribute to the wetland?	1			
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes	Yes	7, 9, 13	
 Floodflow Alteration	Yes	No	5, 6,	
 Fish and Shellfish Habitat	Yes	No	1	
Sediment/Toxicant Retention	Yes	No	10, 13	
Nutrient Removal	No			
 Production Export	No			
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes	Yes	1, 3, 4, 5, 17,	
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

* Aquatic Resources Impact Table is Provided in JPA Section A-1









Wetland Function-Value Evaluation Form

Wetland I.D.	050416_DB_1001_PFO			
Latitude	41.337802			
Longitude	-75.910516			
Prepared by	M.Benfer, J.Dancho			
Date	5/31/2017			
Wetland Impact Type	See impact table			
Wetland Impact Area	See impact table*			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.38 acre			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	forest/residential			
Distance to nearest roadway or other development	100 feet			
Dominant wetland systems present	PFO			
Contiguous undeveloped buffer zone present? (select)	No			
Is the wetland a separate hydraulic system? (select)	Yes			
If not, where does the wetland lie in the drainage basin? (select)				
How many tributaries contribute to the wetland?	1			
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes		2	
 Floodflow Alteration	Yes		3,5,6,7,8,9,10,13	
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	Yes		1,2,3,7,9,10	
Nutrient Removal	Yes		3,4	
 Production Export	No			
Sediment/Shoreline Stabilization	Yes		2,3,4,5	
 Wildlife Habitat	Yes		17	
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other				

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* Aquatic Resources Impact Table is Provided in JPA Section A-1

Wetland Function-Value Evaluation Form

Wetland I.D.	011815 JC 002 PFO			
Latitude	41.325369			
Longitude	-75.899438			
Prepared by	M. Kline/J. Dancho			
Date	4/5/17			
Wetland Impact Type	See impact table			
Wetland Impact Area	See impact table*			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	1.16 acres			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	FOREST/ROADWAY/RESIDENTIAL/ROW			
Distance to nearest roadway or other development	20 feet			
Dominant wetland systems present	PFO			
Contiguous undeveloped buffer zone present? (select)	No			
Is the wetland a separate hydraulic system? (select)	No			
If not, where does the wetland lie in the drainage basin? (select)				
How many tributaries contribute to the wetland?				
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes		2, 7, 8, 13	
 Floodflow Alteration	Yes	Yes	3, 4, 5, 6, 7, 8, 9, 10, 13	
 Fish and Shellfish Habitat	Yes		4, 8, 14, 15, 16	
Sediment/Toxicant Retention	Yes		1, 2, 3, 5, 9, 10, 13	
Nutrient Removal	Yes		3, 4, 5, 9, 14	
 Production Export	No			
Sediment/Shoreline Stabilization	Yes		2, 3, 4, 6, 7, 14	
 Wildlife Habitat	Yes		6, 7, 11, 15, 19, 20	
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			









*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form

Wetland I.D.	092314 GO_001 PSS			
Latitude	41.308141			
Longitude	-75.854052			
Prepared by	M. Kline / J. Dancho			
Date	4/6/2017			
Wetland Impact Type	see impact table			
Wetland Impact Area	see impact table*			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.02 acre			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	FOREST/RAILROAD/INDUSTRIAL/ROADWAY			
Distance to nearest roadway or other development	20 feet			
Dominant wetland systems present	PSS			
Contiguous undeveloped buffer zone present? (select)	No			
Is the wetland a separate hydraulic system? (select)	No			
If not, where does the wetland lie in the drainage basin? (select)				
How many tributaries contribute to the wetland?	0			
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes		2	
 Floodflow Alteration	Yes	Yes	5, 6, 7, 8, 13	
 Fish and Shellfish Habitat	Yes		8, 16	
Sediment/Toxicant Retention	Yes		1, 2, 3, 10	
Nutrient Removal	Yes		3, 4, 9, 12	
 Production Export	No			
Sediment/Shoreline Stabilization	Yes		1, 3, 4, 5	
 Wildlife Habitat	No			
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			









*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form

Wetland I.D.	110915 WA 003 PEM			
Latitude	41.3042808			
Longitude	-75.84430019			
Prepared by	W. Anderson, J. Dancho			
Date	4/12/2017			
Wetland Impact Type	See Impact Table			
Wetland Impact Area	See Impact Table *			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.02 acres			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	Agricultural, Residential			
Distance to nearest roadway or other development	320 feet			
Dominant wetland systems present	PEM			
Contiguous undeveloped buffer zone present? (select)	No			
Is the wetland a separate hydraulic system? (select)	Yes			
If not, where does the wetland lie in the drainage basin? (select)	No			
How many tributaries contribute to the wetland?	0			
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes	No		
 Floodflow Alteration	No	No		
 Fish and Shellfish Habitat	No	No		
Sediment/Toxicant Retention	No	No		
Nutrient Removal	No	No		
 Production Export	No	No		
Sediment/Shoreline Stabilization	No	No		
 Wildlife Habitat	Yes	Yes	4, 5, 20	
Recreation	No	No		
 Educational/Scientific Value	No	No		
 Uniqueness/Heritage	No	No		
 Visual Quality/Aesthetics	No	No		
ES Endangered Species Habitat	No	No		
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form









Wetland I.D.	081215 MK 019 PEM			
Latitude	41.248258			
Longitude	-75.772397			
Prepared by	W. Anderson, N. Jones			
Date	8/9/2017			
Wetland Impact Type	See Impact Table			
Wetland Impact Area	See Impact Table			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.13			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	"Habitat Island"			
Adjacent land use	Residential			
Distance to nearest roadway or other development	200 feet			
Dominant wetland systems present	PEM			
Contiguous undeveloped buffer zone present? (select)	No			
Is the wetland a separate hydraulic system? (select)	Yes			
If not, where does the wetland lie in the drainage basin? (select)	Yes			
How many tributaries contribute to the wetland?	0			
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes	No	2	
 Floodflow Alteration	No			
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	Yes	No	1, 2	
Nutrient Removal	No			
 Production Export	No			
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	No			
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

* Aquatic Resources Impact Table is Provided in JPA Section A-1

Wetland Function-Value Evaluation Form









Wetland I.D.	060618_WA_002_PEM
Latitude	41.249026
Longitude	-75.771653
Prepared by	W. Anderson, B. Cooper
Date	6/6/2018
Wetland Impact Type	See Impact Table
Wetland Impact Area	See Impact Table
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	0.19 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	Residential, Fallow field
Distance to nearest roadway or other development	0'
Dominant wetland systems present	PEM
Contiguous undeveloped buffer zone present? (select)	No
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	Yes
How many tributaries contribute to the wetland?	0
Wildlife & vegetation diversity/abundance (see attached list)	

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes		10, 13	
 Floodflow Alteration	No			
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	No			
Nutrient Removal	No			
 Production Export	No			
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	No			
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form









Wetland I.D.	081215_MK_022_PEM
Complex Notes	
Latitude	41.25162695
Longitude	-75.76612215
Prepared by	W. Anderson, J. Dancho
Date	4/12/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	0.02 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	Forest, exsiting access road
Distance to nearest roadway or other development	0
Dominant wetland systems present	PEM
Contiguous undeveloped buffer zone present? (select)	Yes
Is the wetland a separate hydraulic system? (select)	Yes
If not, where does the wetland lie in the drainage basin? (select)	
How many tributaries contribute to the wetland?	

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	No			
 Floodflow Alteration	No			
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	No			
Nutrient Removal	No			
 Production Export	No			
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes	No	8	Potential wildlife food sources present
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form









Wetland I.D.	121814 JC 002 PEM
Complex Notes	
Latitude	41.24772263
Longitude	-75.76932203
Prepared by	W. Anderson, T. Lipp
Date	4/12/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	0.13 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	Forest
Distance to nearest roadway or other development	150 feet
Dominant wetland systems present	PEM
Contiguous undeveloped buffer zone present? (select)	Yes
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	Yes
How many tributaries contribute to the wetland?	1

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes	No	9	Wetland associated with ephemeral stream.
 Floodflow Alteration	Yes	No		Wetland associated with ephemeral stream.
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	No			
Nutrient Removal	No			
 Production Export	No			
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes	No	8	Wildlife food sources present
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.









Wetland Function-Value Evaluation Form

Wetland I.D.	081215 MK 020 PEM
Complex Notes	
Latitude	41.24804853
Longitude	-75.76880271
Prepared by	W. Anderson, J. Dancho
Date	4/12/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	0.08 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	Forest
Distance to nearest roadway or other development	150 feet
Dominant wetland systems present	PEM
Contiguous undeveloped buffer zone present? (select)	Yes
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	Yes
How many tributaries contribute to the wetland?	1

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes	Yes	7, 9	Wetland lies on floodplain of intermittent stream.
 Floodflow Alteration	Yes	Yes	13, 15	Wetland lies on floodplain of intermittent stream.
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	No			
Nutrient Removal	No			
 Production Export	No			
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes	No	8	Potential wildlife food sources present
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.









Wetland Function-Value Evaluation Form

Wetland I.D.	081215 MK 021 PEM			
Complex Notes				
Latitude	41.24968282			
Longitude	-75.76737053			
Prepared by	W. Anderson, J. Dancho			
Date	4/12/2017			
Wetland Impact Type	See impact table *			
Wetland Impact Area	See impact table *			
Evaluation based on: Office or Field? (select)	Field			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.09 acres			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	Forest			
Distance to nearest roadway or other development	250 feet			
Dominant wetland systems present	PEM			
Contiguous undeveloped buffer zone present? (select)	Yes			
Is the wetland a separate hydraulic system? (select)	Yes			
If not, where does the wetland lie in the drainage basin? (select)				
How many tributaries contribute to the wetland?				
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes	Yes	10, 13	Potential spring seep within wetland.
 Floodflow Alteration	No			
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	No			
Nutrient Removal	No			
 Production Export	No			
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes	No	8	Potential wildlife food sources present
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form









Wetland I.D.	121814 JC 001 PEM
Complex Notes	
Latitude	41.24306569
Longitude	-75.76560236
Prepared by	W. Anderson, J. Dancho
Date	4/13/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	0.09 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	Forest, Pipeline ROW
Distance to nearest roadway or other development	850 feet
Dominant wetland systems present	PEM
Contiguous undeveloped buffer zone present? (select)	Yes
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	Yes
How many tributaries contribute to the wetland?	0

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes	Yes	10, 13, 15	Groundwater seep surfaces in wetland.
 Floodflow Alteration	No			
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	No			
Nutrient Removal	No			
 Production Export	No			
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes	No	8	Potential wildlife food sources in and around wetland.
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.









Wetland Function-Value Evaluation Form

Wetland I.D.	111014 JC 002 PFO
Complex Notes	
Latitude	41.23884798
Longitude	-75.76057936
Prepared by	W. Anderson, J. Dancho
Date	4/13/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	0.17 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	Forest, Pipeline ROW
Distance to nearest roadway or other development	0.20 mile
Dominant wetland systems present	PFO
Contiguous undeveloped buffer zone present? (select)	Yes
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	Yes
How many tributaries contribute to the wetland?	0
Wildlife & vegetation diversity/abundance (see attached list)	

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes	Yes	10, 13, 15	Groundwater seep surfaces in wetland.
 Floodflow Alteration	No			
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	No			
Nutrient Removal	No			
 Production Export	No			
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes	No	8	Potential wildlife food sources in and around wetland.
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			









*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form

Wetland I.D.	042417_GM_1001_PFO			
Latitude	41.232182			
Longitude	-75.752821			
Prepared by	N. Jones, G. McBrien			
Date	4/24/2017			
Wetland Impact Type	See impact table			
Wetland Impact Area	See impact table*			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.72 acre			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	Pipeline ROW and Mature Forest			
Distance to nearest roadway or other development	0.3 mile			
Dominant wetland systems present	PFO			
Contiguous undeveloped buffer zone present? (select)	Yes			
Is the wetland a separate hydraulic system? (select)	No			
If not, where does the wetland lie in the drainage basin? (select)				
How many tributaries contribute to the wetland?	1			
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	No	Yes	1, 2, 9, 13, 15	
 Floodflow Alteration	Yes	Yes	2, 3, 5, 7, 9, 13, 16	
 Fish and Shellfish Habitat	No	No		
Sediment/Toxicant Retention	No	No	1, 2, 10	
Nutrient Removal	No	No	4, 5	
 Production Export	No	No		
Sediment/Shoreline Stabilization	No	No		
 Wildlife Habitat	No	Yes	1, 3, 4, 5, 7	
Recreation	No	Yes		
 Educational/Scientific Value	No	No		
 Uniqueness/Heritage	No	No		
 Visual Quality/Aesthetics	No	No		
ES Endangered Species Habitat	No	No		
Other				









*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form

Wetland I.D.	043015_JC_1001_PFO			
Complex Notes	Forms complex with 043015_JC_1001_PEM			
Latitude	41.22961217			
Longitude	-75.74958714			
Prepared by	N. Jones, A. Bronneck			
Date	4/10/2017			
Wetland Impact Type	See impact table *			
Wetland Impact Area	See impact table *			
Evaluation based on: Office or Field? (select)	Field			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.85 acres			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	Mature Forest			
Distance to nearest roadway or other development	0 feet			
Dominant wetland systems present	PFO/PEM			
Contiguous undeveloped buffer zone present? (select)	Yes			
Is the wetland a separate hydraulic system? (select)	No			
If not, where does the wetland lie in the drainage basin? (select)				
How many tributaries contribute to the wetland?	0			
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	No	Yes	1, 2, 9, 13, 15	
 Floodflow Alteration	Yes	Yes	2, 3, 5, 7, 9, 13, 16	
 Fish and Shellfish Habitat	No	No		
Sediment/Toxicant Retention	No	Yes	1, 2, 10	
Nutrient Removal	No	Yes	4, 5	
 Production Export	No	No		
Sediment/Shoreline Stabilization	No	No		
 Wildlife Habitat	No	Yes	1, 3, 4, 5, 7	
Recreation	No	Yes		
 Educational/Scientific Value	No	No		
 Uniqueness/Heritage	No	No		
 Visual Quality/Aesthetics	No	No		
ES Endangered Species Habitat	No	No		
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.









* Aquatic Resources Impact Table is Provided in JPA Section A-1

Wetland I.D.	042417 GM 1002 PEM/PSS/PFO			
Latitude	41.220115			
Longitude	-75.736728			
Prepared by	N. Jones, G. McBrien			
Date	4/24/2017			
Wetland Impact Type	See impact table			
Wetland Impact Area	See impact table*			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.69 acre			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	Pipeline ROW and Mature Forest			
Distance to nearest roadway or other development	0.5 mile			
Dominant wetland systems present	PEM/PSS/PFO			
Contiguous undeveloped buffer zone present? (select)	Yes			
Is the wetland a separate hydraulic system? (select)	No			
If not, where does the wetland lie in the drainage basin? (select)				
How many tributaries contribute to the wetland?				
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	No	Yes	1, 2, 9, 13, 15	
 Floodflow Alteration	Yes	Yes	2, 3, 5, 7, 9, 13, 16	
 Fish and Shellfish Habitat	No	No		
Sediment/Toxicant Retention	No	No	1, 2, 10	
Nutrient Removal	No	No	4, 5	
 Production Export	No	No		
Sediment/Shoreline Stabilization	No	No		
 Wildlife Habitat	No	Yes	1, 3, 4, 5, 7	
Recreation	No	Yes		
 Educational/Scientific Value	No	No		
 Uniqueness/Heritage	No	No		
 Visual Quality/Aesthetics	No	No		
ES Endangered Species Habitat	No	No		
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form









Wetland I.D.	112114_JC_003B_PFO
Complex Notes	Forms complex with 112114_JC_003A_PSS, 112114_JC_003B_PEM, and 112114_JC_003B_PSS
Latitude	41.21792114
Longitude	-75.73474788
Prepared by	M. Kline, T. Lipp
Date	4/12/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	5.43 acres
Human Made? (select)	Yes
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	forest, powerline ROW
Distance to nearest roadway or other development	1600 ft.
Dominant wetland systems present	PFO, PSS, PEM
Contiguous undeveloped buffer zone present? (select)	Yes
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	
How many tributaries contribute to the wetland?	1
Wildlife & vegetation diversity/abundance (see attached list)	

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes	Yes	7 ,8, 13	
 Floodflow Alteration			5, 13	
 Fish and Shellfish Habitat			1, 15	
Sediment/Toxicant Retention			10	
Nutrient Removal				
 Production Export			8	
Sediment/Shoreline Stabilization			10	
 Wildlife Habitat			5	
Recreation				
 Educational/Scientific Value			3	
 Uniqueness/Heritage			4, 7	
 Visual Quality/Aesthetics				
ES Endangered Species Habitat				
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form









Wetland I.D.	112114_JC_002A_PSS
Complex Notes	Forms complex with 112114_JC_002_PEM, 112114_JC_002_PSS, and 112114_JC_002B_PFO
Latitude	41.21549105
Longitude	-75.72965099
Prepared by	M. Kline, T. Lipp
Date	4/12/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	1.87 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	forest, pipeline ROW
Distance to nearest roadway or other development	3300 ft.
Dominant wetland systems present	PEM, PSS, PFO
Contiguous undeveloped buffer zone present? (select)	No
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	Yes
How many tributaries contribute to the wetland?	1

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge			7	
 Floodflow Alteration	Yes	Yes	5, 7, 8, 13	
 Fish and Shellfish Habitat				
Sediment/Toxicant Retention			10, 13	
Nutrient Removal			5, 13	
 Production Export			4	
Sediment/Shoreline Stabilization			14	
 Wildlife Habitat			15, 17	
Recreation				
 Educational/Scientific Value				
 Uniqueness/Heritage	Yes	Yes	4, 5, 17, 19	
 Visual Quality/Aesthetics			2, 5	
ES Endangered Species Habitat				
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.









Wetland Function-Value Evaluation Form

Wetland I.D.	112014_JC_002_PFO
Complex Notes	Forms complex with 112014_JC_002_PEM and 112014_JC_002_PSS
Latitude	41.21072898
Longitude	-75.72384442
Prepared by	M. Kline, T. Lipp
Date	4/12/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	3.73 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	"Habitat Island"
Adjacent land use	forest, pipeline ROW
Distance to nearest roadway or other development	4500 ft.
Dominant wetland systems present	PEM, PSS, PFO
Contiguous undeveloped buffer zone present? (select)	No
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	
How many tributaries contribute to the wetland?	1
Wildlife & vegetation diversity/abundance (see attached list)	

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge			7	
 Floodflow Alteration			13	
 Fish and Shellfish Habitat			1	
Sediment/Toxicant Retention			9, 10	
Nutrient Removal			12, 14	
 Production Export				
Sediment/Shoreline Stabilization			5, 7	
 Wildlife Habitat				
Recreation				
 Educational/Scientific Value				
 Uniqueness/Heritage			5, 7	
 Visual Quality/Aesthetics	Yes	Yes	2, 7, 10, 11	
ES Endangered Species Habitat				
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form









Wetland I.D.	112014_JC_001_PFO			
Complex Notes	Forms complex with 112014_JC_001_PEM and 112014_JC_001_PSS			
Latitude	41.2024901			
Longitude	-75.71094865			
Prepared by	M. Kline, T. Lipp			
Date	4/13/2017			
Wetland Impact Type	See impact table *			
Wetland Impact Area	See impact table *			
Evaluation based on: Office or Field? (select)	Field			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	2.96 acres			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	"Habitat Island"			
Adjacent land use	forest, pipeline ROW			
Distance to nearest roadway or other development	200 ft.			
Dominant wetland systems present	PEM, PSS, PFO			
Contiguous undeveloped buffer zone present? (select)	No			
Is the wetland a separate hydraulic system? (select)	No			
If not, where does the wetland lie in the drainage basin? (select)	Yes			
How many tributaries contribute to the wetland?	1			
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge			7	
 Floodflow Alteration			13, 3	
 Fish and Shellfish Habitat				
Sediment/Toxicant Retention			9, 10	
Nutrient Removal			14	
 Production Export				
Sediment/Shoreline Stabilization				
 Wildlife Habitat				
Recreation				
 Educational/Scientific Value			3	
 Uniqueness/Heritage				
 Visual Quality/Aesthetics	Yes	Yes	1, 2, 7, 9, 10, 11	
ES Endangered Species Habitat				
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

* Aquatic Resources Impact Table is Provided in JPA Section A-1









Wetland Function-Value Evaluation Form

Wetland I.D.	121614 JC 001 PFO
Complex Notes	Forms complex with 121614 JC 001 PEM
Latitude	41.17846415
Longitude	-75.69665831
Prepared by	M. Kline, T. Lipp
Date	4/13/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	1.72 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	forest, pipeline ROW
Distance to nearest roadway or other development	300 ft
Dominant wetland systems present	PFO, PEM
Contiguous undeveloped buffer zone present? (select)	No
Is the wetland a separate hydraulic system? (select)	No
If not, where does the wetland lie in the drainage basin? (select)	Yes
How many tributaries contribute to the wetland?	1

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge			12, 7	
 Floodflow Alteration			13	
 Fish and Shellfish Habitat	Yes	Yes	1, 7, 8, 14, 16	
Sediment/Toxicant Retention			9, 10	
Nutrient Removal				
 Production Export				
Sediment/Shoreline Stabilization			9, 10	
 Wildlife Habitat			2, 5, 11	
Recreation			10, 4, 3, 1	
 Educational/Scientific Value			3, 6, 11	
 Uniqueness/Heritage			13	
 Visual Quality/Aesthetics			7, 9, 11	
ES Endangered Species Habitat				
Other				









*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form

Wetland I.D.	042517_GM_1001_PEM			
Latitude	41.138572			
Longitude	-75.686055			
Prepared by	G. McBrien, N. Jones			
Date	4/25/2017			
Wetland Impact Type	See impact table			
Wetland Impact Area	See impact table*			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.05 acre			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	"Habitat Island"			
Adjacent land use	forested			
Distance to nearest roadway or other development	dirt road crosses wetland			
Dominant wetland systems present	PEM			
Contiguous undeveloped buffer zone present? (select)	Yes			
Is the wetland a separate hydraulic system? (select)	No			
If not, where does the wetland lie in the drainage basin? (select)				
How many tributaries contribute to the wetland?				
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes		4, 5, 7	
 Floodflow Alteration	Yes	Yes	6, 9, 10, 13	
 Fish and Shellfish Habitat	No		9, 10	
Sediment/Toxicant Retention	Yes			
Nutrient Removal	No			
 Production Export	No			
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes		4	
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.









Wetland Function-Value Evaluation Form

Wetland I.D.	042517_GM_1002_PEM			
Latitude	41.137965			
Longitude	-75.685792			
Prepared by	G. McBrien, N. Jones			
Date	4/25/2017			
Wetland Impact Type	See impact table			
Wetland Impact Area	See impact table*			
Evaluation based on: Office or Field? (select)	Field *			
Corps manual wetland delineation completed? (select)	Yes			
Total Area of Wetland	0.01 acre			
Human Made? (select)	No			
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor			
Adjacent land use	Mature forest			
Distance to nearest roadway or other development	0 feet			
Dominant wetland systems present	PEM			
Contiguous undeveloped buffer zone present? (select)	Yes			
Is the wetland a separate hydraulic system? (select)	Yes			
If not, where does the wetland lie in the drainage basin? (select)				
How many tributaries contribute to the wetland?	0			
Wildlife & vegetation diversity/abundance (see attached list)				
Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes	No	4	
 Floodflow Alteration	Yes	Yes	2, 3, 5	
 Fish and Shellfish Habitat	No	No		
Sediment/Toxicant Retention	Yes	No	1, 2	
Nutrient Removal	No	No		
 Production Export	No	No		
Sediment/Shoreline Stabilization	No	No		
 Wildlife Habitat	No	No		
Recreation	No	No		
 Educational/Scientific Value	No	No		
 Uniqueness/Heritage	No	No		
 Visual Quality/Aesthetics	No	No		
ES Endangered Species Habitat	No	No		
Other				

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.

Wetland Function-Value Evaluation Form

Wetland I.D.	102115 WA 003 PFO
Complex Notes	
Latitude	41.1354899
Longitude	-75.68903044
Prepared by	M. Kline, J. Dancho
Date	4/20/2017
Wetland Impact Type	See impact table *
Wetland Impact Area	See impact table *
Evaluation based on: Office or Field? (select)	Field
Corps manual wetland delineation completed? (select)	Yes
Total Area of Wetland	0.11 acres
Human Made? (select)	No
Is wetland part of a wildlife corridor or "habitat island"? (select)	Wildlife Corridor
Adjacent land use	FOREST/ROW
Distance to nearest roadway or other development	0 feet
Dominant wetland systems present	PFO
Contiguous undeveloped buffer zone present? (select)	No
Is the wetland a separate hydraulic system? (select)	Yes
If not, where does the wetland lie in the drainage basin? (select)	
How many tributaries contribute to the wetland?	0
Wildlife & vegetation diversity/abundance (see attached list)	

Function/Value	Suitability	Principal Function(s) Value(s)	Rationale (Reference #)*	Comments
 Groundwater Recharge/Discharge	Yes		2, 8, 13	
 Floodflow Alteration	Yes		2, 3, 5, 9, 18	
 Fish and Shellfish Habitat	No			
Sediment/Toxicant Retention	Yes		1, 2, 3, 5, 9	
Nutrient Removal	Yes		3, 4, 5, 8, 9	
 Production Export	Yes		7	
Sediment/Shoreline Stabilization	No			
 Wildlife Habitat	Yes	Yes	1, 3, 7, 11, 13, 15, 17	
Recreation	No			
 Educational/Scientific Value	No			
 Uniqueness/Heritage	No			
 Visual Quality/Aesthetics	No			
ES Endangered Species Habitat	No			
Other	No			

*AECOM has adapted the form from the USACE Highway Methodology Workbook Supplement (1999) as reference.