



APPENDIX E: DELINEATED FEATURES TABLE

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
Subsegment 1								
1A	-	Intermittent	Waters 1A is an intermittent channel located west of the on ramp from MD 5 south to the I-495 inner loop that originates at a culvert along the ramp and flows south, dissipating into Wetland 1BB for approximately 70 feet before re-channelizing and flowing into a culvert.	-	Sand, gravel, cobble, riprap Width: 3 ft Depth: 1-5 ft	Right: forest, emergent vegetation Left: forest	Yes	Yes
1A_C							Yes	Yes
1AA	02-AA	PEM	Wetland 1AA is a palustrine emergent wetland (PEM) ditch located south of the I-495 outer loop and north of Barry Drive that abuts Waters 1H.	Broad-leaf cat-tail (<i>Typha latifolia</i>)	-	-	Yes	Yes
1AAA	-	Intermittent	Waters 1AAA is an intermittent channel located south of the I-495 outer loop and east of Canterbury Way that originates at a culvert along I-495 and flows south through Wetland 1ZZ.	-	Sand, gravel, cobble Width: 3-6 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1B	-	PFO	Wetland 1B is a palustrine forested wetland (PFO) located west of the on ramp from MD 5 south to the I-495 inner loop that abuts Waters 1A.	Sweet-gum (<i>Liquidambar styraciflua</i>) Red maple (<i>Acer rubrum</i>) Green ash (<i>Fraxinus pennsylvanica</i>) Northern spicebush (<i>Lindera benzoin</i>) Sweet wood-reed (<i>Cinna arundinacea</i>) Eastern poison ivy (<i>Toxicodendron radicans</i>) Unknown grape species (<i>Vitis</i> sp.)	-	-	Yes	Yes
1BB	-	PEM	Wetland 1BB is a PEM located west of the on ramp from MD 5 south to the I-495 inner loop, along Waters 1A.	Sweet-gum Blunt broom sedge (<i>Carex tribuloides</i>) Bristly lady's-thumb (<i>Persicaria longiseta</i>)	-	-	Yes	Yes
1BBB	-	PEM	Wetland 1BBB is a PEM located south of the I-495 outer loop and north of Henson Drive that abuts Wetland 1ZZ.	Rough barnyard grass (<i>Echinochloa muricata</i>) Wand panic grass (<i>Panicum virgatum</i>)	-	-	Yes	Yes
1C	02-G	PFO	Wetland 1C is a PFO located along the toe-of-slope of the road embankment north of the I-495 inner loop and east of Beech Place that abuts Wetland 1WW.	Sweet-gum American elm (<i>Ulmus americana</i>) Smooth blackhaw (<i>Viburnum prunifolium</i>) Crow garlic (<i>Allium vineale</i>) Eastern poison ivy Japanese honeysuckle (<i>Lonicera japonica</i>)	-	-	Yes	Yes
1CC	-	PFO	Wetland 1CC is a PFO swale located west of the on ramp from MD 5 south to the I-495 inner loop that abuts Wetland 1BB.	Black tupelo (<i>Nyssa sylvatica</i>) American hornbeam (<i>Carpinus caroliniana</i>) Nanny-berry (<i>Viburnum lentago</i>) Eastern poison ivy	-	-	Yes	Yes
1CCC	-	PFO	Wetland 1CCC is a PFO located south of the I-495 outer loop and northeast of Keppler Place that abuts Waters 1VV.	Sweet-gum American elm Northern spicebush Japanese honeysuckle Sweet wood-reed Horsebrier (<i>Smilax rotundifolia</i>)	-	-	Yes	Yes
1D	02-H	Perennial	Waters 1D is a perennial channel located north and south of I-495, east of the Temple Hill Road overpass that flows southeast along the study area north of the I-495 inner loop, through culverts under an upland berm and I-495, and south outside of the study area.	-	Sand, gravel Width: 6-12 ft Depth: 3-6 ft	Right: forest Left: forest	Yes	Yes
1D_1							Yes	Yes
1D_2							Yes	Yes
1D_C							Yes	Yes
1D_C1							Yes	Yes
1DD	-	PFO	Wetland 1DD is a PFO located along a hillslope north of the I-495 inner loop and east of Temple Hill Road that abuts Waters 1L and Waters 1D.	Red maple Black tupelo Sweet-bay (<i>Magnolia virginiana</i>) Northern spicebush White grass (<i>Leersia virginica</i>) Cinnamon fern (<i>Osmundastrum cinnamomeum</i>) Skunk-cabbage (<i>Symplocarpus foetidus</i>)	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
1DDD	-	PEM	Wetland 1DDD is a PEM depression located south of the I-495 outer loop and north of Henson Drive	Green ash Sweet-gum American sycamore (<i>Platanus occidentalis</i>) Common persimmon (<i>Diospyros virginiana</i>) Lamp rush (<i>Juncus effusus</i>) Tall false rye grass (<i>Schedonorus arundinaceus</i>)	-	-	Yes	Yes
1E	02-I	PFO	Wetland 1E is a PFO located on a sloped floodplain north of the I-495 inner loop and south of Beech Place that abuts Waters 1D.	Sweet-gum American elm Eastern red-cedar (<i>Juniperus virginiana</i>) Green ash Southern arrow-wood (<i>Viburnum dentatum</i>) Common reed (<i>Phragmites australis</i>) Unknown sedge species (<i>Carex</i> sp.) Eastern poison ivy Japanese honeysuckle	-	-	Yes	Yes
1EE	-	PFO	Wetland 1EE is a PFO depression located north of the I-495 inner loop and west of Beech Place.	Sweet-gum Red maple Green ash	-	-	Yes	Yes
1EEE	-	Ephemeral	Waters 1EEE is an ephemeral channel located south of the I-495 outer loop and north of Barry Drive that flows north from Barry Drive into Waters 1L.	-	Cobble, gravel Width: 5 ft Depth: 4 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	No
1F	-	PFO	Wetland 1F is a PFO located north of the I-495 inner loop and south of Beech Place that abuts Waters 1G.	Green ash Red maple northern catalpa (<i>Catalpa speciosa</i>) Sweet-gum Amur honeysuckle (<i>Lonicera maackii</i>) Lamp rush Japanese stilt grass (<i>Microstegium vimineum</i>) Japanese honeysuckle Horsebrier Eastern poison ivy	-	-	Yes	Yes
1FF	-	PEM	Wetland 1FF is a PEM depression located within a stormwater management facility north of the I-495 inner loop and west of Beech Place.	Common reed	-	-	Yes	Yes
1G	-	Ephemeral	Waters 1G is an ephemeral channel located north of the I-495 inner loop and south of Beech Place that flows north from Wetland 1F into Waters 1D.	-	Sand, gravel Width: 2.5 ft Depth: 5ft	Right: forest Left: forest	Yes	No
1GG	-	POW	Waters 1GG is the palustrine open water (POW) portion of a stormwater management facility located north of the I 495 inner loop and southwest of Beech Place, within Wetland 1FF.		Silt, sand, muck, and riprap bottom Width: 30 ft Depth: N/A	Right: emergent vegetation Left: emergent vegetation	Yes	Yes
1H	02-J	Intermittent	Waters 1H is an intermittent channel located north of Canterbury Way that flows east along the I-495 outer loop, through a pipe culvert under I-495, and north into Waters 1D.	-	Cobble, sand, gravel north of I-495; concrete south of I-495 Width: 3-8 ft Depth: 3-6 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
1H_C							Yes	Yes
1H_D							Yes	Yes
1HH	-	Ephemeral	Waters 1HH is an ephemeral channel located north of the I-495 inner loop and east of Temple Hill Road that flows northeast into Waters 1Z.	-	Silt, cobble, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
1I	-	PFO	Wetland 1I is a PFO located north of the I-495 inner loop and southwest of Beech Place that abuts Waters 1D.	Green ash Lamp rush Japanese honeysuckle	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
1II	-	PFO	Wetland 1II is a PFO located along a hillslope south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L.	Black tupelo American beech (<i>Fagus grandifolia</i>) Eastern poison ivy Horsebrier	-	-	Yes	Yes
1J	02-K	PFO	Wetland 1J is a PFO located on a hillslope north of the I-495 inner loop and southwest of Beech Place, in the floodplain of Waters 1D.	Sweet-gum Red maple Green ash Southern arrow-wood Crow garlic Eastern poison ivy Horsebrier Japanese honeysuckle	-	-	Yes	Yes
1JJ	-	PFO	Wetland 1JJ is a PFO located along a hillslope south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L.	American holly (<i>Ilex opaca</i>) Tuliptree (<i>Liriodendron tulipifera</i>) Sweet-gum Netted chain fern (<i>Woodwardia areolata</i>) English ivy (<i>Hedera helix</i>) Horsebrier Eastern poison ivy	-	-	Yes	Yes
1K	02-L	PFO	Wetland 1K is a PFO located on a hillside seep north of the I-495 inner loop and southeast of Leslie Avenue that abuts Waters 1D	Red maple Sweet-gum Northern spicebush Skunk-cabbage New York fern (<i>Parathelypteris noveboracensis</i>) Horsebrier Japanese honeysuckle Unknown smartweed species (<i>Persicaria</i> sp.)	-	-	Yes	Yes
1KK	-	PFO	Wetland 1KK is a PFO located along a hillslope south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L	Red maple Sweet-gum Southern arrow-wood Eastern poison ivy English ivy Virginia-creeper (<i>Parthenocissus quinquefolia</i>)	-	-	Yes	Yes
1L	02-M	Intermittent	Waters 1L is an intermittent channel located north of Barry Drive that flows north through a culvert under I-495 and into Waters 1D beyond the study area.	-	Cobble, sand, gravel, concrete Width: 2-6 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
1L_1							Yes	Yes
1L_C							Yes	Yes
1LL	-	Intermittent	Waters 1LL is an intermittent channel located south of the I-495 outer loop and north of Barry Drive that flows west to Waters 1L.	-	Silt, sand, concrete Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1M	02-N	Ephemeral	Waters 1M is an ephemeral channel located east of Temple Hill Road and north of Church Way that flows north through a culvert under I-495 into Waters 1Z.	-	Cobble, sand, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
1M_1							Yes	No
1M_C							Yes	No
1MM	-	PFO	Wetland 1MM is a PFO located south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L.	Sweet-gum Japanese honeysuckle English ivy Eastern poison ivy Horsebrier	-	-	Yes	Yes
1N	-	Ephemeral	Waters 1N is an ephemeral channel located north of the I-495 inner loop and east of Temple Hill Road that flows northeast into Waters 1M.	-	Cobble, sand, gravel Width: 3 ft Depth: 3 ft	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

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1NN	-	Ephemeral	Waters 1NN is an ephemeral channel located south of the I-495 outer loop and north of Canterbury Way that flows east into Waters 1D.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1 ft	Right: paved road, forest Left: forest	Yes	No
1O	02-JJ	Ephemeral	Waters 1O is an ephemeral channel located east of Old Branch Avenue and north of Manchester Drive that flows north to Waters 1P.	-	Cobble, sand, gravel, riprap Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
1OO	02-HH	Intermittent	Waters 1OO is an intermittent channel located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south that flows north into Waters 1Q.	-	Silt, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1P	02-II	Intermittent	Waters 1P is an intermittent channel located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south that flows north to Waters 1Q.	-	Silt, cobble, sand, gravel Width: 3.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1PP	02-GG	Ephemeral	Waters 1PP is an ephemeral channel located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south that flows northeast to Waters 1OO.	-	Sand, gravel Width: 1 ft Depth: 6 in	Right: forest Left: forest	Yes	No
1Q	02-EE	Perennial	Waters 1Q is a perennial channel located south of the I-495/MD 5 interchange and north of Manchester Drive that flows east from outside the study area through culverts under MD 5 and Old Branch Avenue.	-	Silt, sand, gravel, concrete, riprap Width: 15-20 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	Yes
1Q_1							Yes	Yes
1Q_C							Yes	Yes
1QQ	02-FF	PFO	Wetland 1QQ is a PFO located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south, in the floodplain of Waters 1Q.	Red maple American elm Rambler rose (<i>Rosa multiflora</i>) Ash-leaf maple (<i>Acer negundo</i>) Southern arrow-wood English ivy Sweet wood-reed Eastern poison ivy Horsebrier	-	-	Yes	Yes
1R	02-CC	Perennial	Waters 1R is a perennial channel that originates in the southwest cloverleaf of the MD 5/I-495 interchange and flows southeast along southbound MD 5 into Waters 1Q.	-	Silt, sand, gravel, riprap Width: 5 ft Depth: 1 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
1R_1							Yes	Yes
1R_C							Yes	Yes
1RR	-	Intermittent	Waters 1RR is an intermittent channel located north of the I-495 inner loop and west of Keppler Road that originates at a culvert along I-495 and flows north outside of the study area.	-	Sand, gravel, cobble Width: 5-10 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
1SS	-	Ephemeral	Waters 1SS is an ephemeral channel located north of the I-495 inner loop and west of Keppler Road that flows west through a culvert into Waters 1RR.	-	Sand, gravel, loamy soil Width: 2 ft Depth: 6-10 in	Right: forest Left: forest	Yes	No
1SS_C								
1T	02-Z	PSS	Wetland 1T is a palustrine scrub-shrub wetland (PSS) located in a depression south of the exit ramp from the I-495 outer loop to MD 5 south. Wetland 1T appears to be a swale, constructed within the upland interchange to infiltrate storm water, with no observed connection to downstream waters.	Black willow (<i>Salix nigra</i>) Sweet-gum Lamp rush Broad-leaf cat-tail Common reed	-	-	Yes	Yes
1TT	-	Intermittent	Waters 1TT is an intermittent channel located north of the I-495 inner loop and east of Henson Creek that originates at a concrete-lined drainage channel and flows northeast into Wetland 1UU.	-	Sand, gravel, muck Width: 3 ft Depth: 4 in	Right: forest Left: forest	Yes	Yes
1U	02-LL	Ephemeral	Waters 1U is an ephemeral channel located west of the on ramp from MD 5 south to the I-495 outer loop that flows east to a culvert draining to Waters 1R.	-	Sand, gravel, riprap Width: 1-3 ft Depth: 1-4 ft	Right: forest, tall grass Left: forest	Yes	No
1U_C							Yes	No

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
1UU	02-F	PFO	Wetland 1UU is a PFO located north of the I-495 inner loop and east of Beech Place, in the floodplain of Waters 1VV.	Red maple Sweet-gum Green ash Japanese stilt grass Swamp smartweed (<i>Persicaria hydropiperoides</i>) River-bank grape (<i>Vitis riparia</i>) Eastern poison ivy	-	-	Yes	Yes
1VV	-	Perennial	Waters 1VV is a perennial channel known as Henson Creek that crosses subsegment 1 west of the I-495/MD 5 interchange and east of Beech Place, flowing south through a culvert under I-495 and outside of the study area. Henson Creek also crosses subsegment 3 twice, where it is identified as Waters 3D and Waters 3S.	-	Silt, cobble, sand, gravel Width: 15-30 ft Depth: 2-6 ft	Right: forest Left: forest	Yes	Yes
1VV_1							Yes	Yes
1VV_C							Yes	Yes
1W	-	Perennial	Waters 1W is a perennial channel located north of the I-495 inner loop and southwest of Beech Place that originates at a culvert within the study area and flows south into Waters 1D.	-	Sand, cobble, riprap Width: 10 ft Depth: 3 ft	Right: emergent vegetation Left: forest	Yes	Yes
1WW	-	PEM	Wetland 1WW is a PEM located north of the I-495 inner loop and east of Beech Place that abuts Wetland 1C.	Sweet-gum Japanese stilt grass Swamp smartweed Japanese honeysuckle Horsebrier	-	-	Yes	Yes
1X	-	Ephemeral	Waters 1X is an ephemeral channel located west of the on ramp from MD 5 south to the I-495 inner loop that flows south into Waters 1A.	-	Sand, gravel Width: 3 ft Depth: 2 ft	Right: old field Left: old field	Yes	No
1XX	-	Ephemeral	Waters 1XX is an ephemeral channel located north of the I-495 inner loop and east of Beech Place that becomes an intermittent channel prior to its confluence with Waters 1VV.	-	Silt, sand, gravel Width: 2-4 ft Depth: 6 in – 3 ft	Right: forest Left: forest	Yes	No
1XX_1	-	Intermittent					Yes	Yes
1Y	-	Ephemeral	Waters 1Y is an ephemeral channel located north of the I-495 inner loop and southwest of Beech Place that originates at a culvert along I-495 and flows north into Waters 1D.	-	Cobble, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
1YY	-	Intermittent	Waters 1YY is an intermittent channel located south of the I-495 outer loop and northeast of Keppler Place that flows southwest into Waters 1VV.	-	Sand, gravel, concrete, riprap Width: 4 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
1Z	-	Intermittent	Waters 1Z is an intermittent channel located north of the I-495 inner loop and east of Temple Hill Road that originates at a headcut within Waters 1M and flows north outside of the study area.	-	Cobble, sand, gravel Width: 15ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
1ZZ	-	PFO	Wetland 1ZZ is a PFO located south of the I-495 outer loop and north of Henson Drive that abuts Waters 1AAA and Wetland 1BBB.	Sweet-gum American elm Northern spicebush Green ash Japanese stilt grass Eastern poison ivy River-bank grape	-	-	Yes	Yes
Subsegment 2								
2A	02-KK	Ephemeral	Waters 2A is an ephemeral channel located east of the on ramp from northbound MD 5 to the I-495 outer loop that flows southwest to Waters 2Y.	-	Sand, gravel, cobble Width: 2.5 ft Depth: 6 in	Right: forest Left: forest	Yes	No
2AA	-	Intermittent	Waters 2AA is an intermittent channel located west of the on ramp from MD 218 to the I-495 inner loop that flows southwest from Wetland 2O into Waters 2V.	-	Sand, gravel, concrete Width: 1.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

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2B	W4PG	PFO	Wetland 2B is a PFO swale located east of Carswell Avenue and south of the I-495 outer loop that drains southwest to Waters 2H.	Red maple Sweet-gum River birch (<i>Betula nigra</i>) Pin oak (<i>Quercus palustris</i>) Wand panic grass	-	-	Yes	Yes
2BB	-	PFO	Wetland 2BB is a PFO located west of the on ramp from MD 218 to the I-495 inner loop that abuts Waters 2V and Wetland 2CC.	Red maple Sweet-gum American holly Unknown sedge species Eastern poison ivy	-	-	Yes	Yes
2C	-	PFO	Wetland 2C is a PFO located east of the on ramp from MD 5 to the I-495 outer loop, in the floodplain of Waters 1Q.	Sweet-gum Red maple Northern spicebush Sweet wood-reed Japanese stilt grass Deer-tongue rosette grass Eastern poison ivy Japanese honeysuckle	-	-	Yes	Yes
2CC	-	PEM	Wetland 2CC is a PEM located west of the on ramp from MD 218 to the I-495 inner loop that abuts Wetland 2BB and Waters 2V.	Sweet-gum Lamp rush Blunt spike-rush (<i>Eleocharis obtusa</i>) Crimson-eyed rose mallow (<i>Hibiscus moscheutos</i>) Broom rosette grass (<i>Dichanthelium scoparium</i>) Climbing hempvine (<i>Mikania scandens</i>)	-	-	Yes	Yes
2D	02-MM	Ephemeral	Waters 2D is an ephemeral channel located south of the I-495 outer loop and north of Manchester Drive that flows southeast into Waters 2E.	-	Silt, cobble, sand, gravel Width: 2.5 ft Depth: 6 in	Right: forest Left: forest	Yes	No
2DD	-	PFO	Wetland 2DD is a PFO located west of the on ramp from MD 218 to the I-495 inner loop, adjacent to Wetland 2P.	Black willow Sweet-gum Common persimmon Wand panic grass Japanese honeysuckle Chinese silver grass (<i>Miscanthus sinensis</i>) Eastern poison ivy	-	-	Yes	Yes
2E	-	Intermittent	Waters 2E is an intermittent channel located south of the I-495 outer loop and north of Manchester Drive that flows southeast from Waters 2D into Waters 2X.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
2EE	-	PFO	Wetland 2EE is a PFO located east of Walton Ave and north of the I-495 inner loop, adjacent to Waters 2R.	Red maple Willow oak (<i>Quercus phellos</i>) Sweet-gum Slender wood-oats (<i>Chasmanthium laxum</i>) Deer-tongue rosette grass Japanese stilt grass Eastern poison ivy Horsebrier	-	-	Yes	Yes
2F	W2PG	Intermittent	Waters 2F is an intermittent channel located south of the I-495 outer loop and west of the Auth Road overpass that flows west from a pipe culvert under I-495 into Waters 2MM. The feature is considered a ditch from the culvert outlet until it abuts Wetland 2G before flowing into Waters 2MM.	-	Silt, cobble Width: 4 ft Depth: 6 in	Right: forest, mowed lawn Left: forest	Yes	Yes
2F_C							Yes	Yes
2F_D							No	Yes
2FF	02-B	PEM	Wetland 2FF is a PEM located in a ditch southeast of Oakland Way and north of the I-495 inner loop.	Saw-tooth blackberry (<i>Rubus argutus</i>) Broad-leaf cat-tail	-	-	No	Yes

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2G	02-NN	PFO	Wetland 2G is a series of PFO benches located south of the I-495 outer loop and west of the Auth Road overpass along Waters 2F.	Red maple Sweet-gum Netted chain fern Horsebrier	-	-	Yes	Yes
2GG	02-A	PEM	Wetland 2GG is a PEM located in a ditch south of Clacton Avenue and north of the I-495 inner loop.	Narrow-leaf cat-tail (<i>Typha angustifolia</i>) Shallow sedge (<i>Carex lurida</i>) Japanese honeysuckle	-	-	No	Yes
2H	-	Intermittent	Waters 2H is an intermittent channel located south of the I-495 outer loop and east of Carswell Avenue that flows southwest from Wetland 2B into Waters 2I.	-	Concrete Width: 2 ft Depth 1 ft	Right: forest Left: forest	Yes	Yes
2HH	-	Intermittent	Waters 2HH is an intermittent ditch located south of Calcton Avenue and north of the I-495 inner loop that flows from Wetland GG through a culvert under I-495 into Waters 2MM.	-	Sand, gravel, cobble, concrete Width: 2 ft Depth: 1 ft	Right: forest Left: paved road	No	Yes
2HH_C							No	Yes
2I	-	Intermittent	Waters 2I is an intermittent ditch located south of the I-495 outer loop and east of Carswell Avenue that flows east from a culvert along Morris Avenue and into Waters 2R through a culvert under I-495. Waters 2I_C receives input from Waters 2H and Waters 2I.	-	Sand, gravel, concrete Width: 6 ft Depth: 1 ft	Right: forest Left: forest	No	Yes
2I_C							Yes	Yes
2II	-	PFO	Wetland 2II is a PFO seep located south of Hill Way and north of the I-495 inner loop that abuts Waters 2JJ.	Red maple Sweet-bay Green ash Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2J	03-W	Perennial	Waters 2J is a perennial channel located west of the on ramp from MD 218 to the I-495 inner loop that originates from a culvert outside of the study area and flows north out of the study area through a pipe under I-495.	-	Sand, gravel Width: 8 ft Depth: 2 ft	Right: emergent vegetation Left: emergent vegetation	Yes	Yes
2J_1							Yes	Yes
2J_C							Yes	Yes
2JJ	-	Intermittent	Waters 2JJ is an intermittent channel located south of Hill Way and north of the I-495 inner loop that flows east from Wetland 2II into Waters 2X.	-	Silt, sand, muck, gravel, concrete Width: 3 ft Depth: 6 in	Right: forest Left: forest, mowed lawn	Yes	Yes
2K	W5PG	PEM	Wetland 2K is a PEM bench located west of the exit ramp from the I-495 outer loop to MD 337 that abuts Waters 2L and 2J.	Black elder (<i>Sambucus nigra</i>) Sweet-gum Lamp rush Wand panic grass White paniced American-aster (<i>Symphyotrichum lanceolatum</i>) Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2KK	-	PEM	Wetland 2KK is an isolated PEM located west of Mercedes Boulevard and east of the exit ramp from the I-495 inner loop to Auth Road.	Sweet-gum Willow oak Common reed Eastern poison ivy Virginia-creeper Horsebrier Amur peppervine (<i>Ampelopsis brevipedunculata</i>)	-	-	Yes	Yes
2L	03-AA	Intermittent	Waters 2L is an intermittent channel located south of the exit ramp from the I-495 outer loop to MD 337 that flows southwest from Wetland 2M into Waters 2J.	-	Sand, gravel Width: 3.5 ft Depth: 1 ft	Right: emergent vegetation Left: emergent vegetation	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
2LL	-	PFO	Wetland 2LL is a PFO located northwest of Melford Avenue and south of the I-495 outer loop.	Red maple Sweet-gum Black tupelo Japanese stilt grass White grass Horsebrier	-	-	Yes	Yes
2M	03-BB	PFO	Wetland 2M is a PFO located south of the exit ramp from the I-495 outer loop to MD 337 that abuts Waters 2L, 2QQ, and 2PP.	Red maple Southern arrow-wood Black elder Unknown aster species (<i>Symphyotrichum</i> sp.) Sweet wood-reed Horsebrier Eastern poison ivy	-	-	Yes	Yes
2MM	-	Perennial	Waters 2MM is a perennial channel located north of Gunston Lane and south of the I-495 outer loop that originates at a culvert and flows south outside the study area.	-	Silt, sand, gravel, cobble Width: 5-12 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
2N	-	POW	Waters 2N is a POW stormwater management feature located in line with Wetland 2M, south of the exit ramp from I-495 outer loop to MD 337.	-	Silt, sand, cobble, gravel, riprap Width: 20 ft Depth: 6 in	Right: forest, paved road Left: forest, paved road	Yes	Yes
2NN	-	PFO	Wetland 2NN is a PFO depression located north of Manchester Drive and south of the I-495 outer loop, adjacent to Waters 2X.	Red maple Sweet-gum Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
2O	03-XX	PFO	Wetland 2O is a PFO located north of the on ramp from MD 218 to the I-495 inner loop that abuts Waters 2AA.	Red maple Virginia pine (<i>Pinus virginiana</i>) Highbush blueberry (<i>Vaccinium corymbosum</i>) American holly Deer-tongue rosette grass Horsebrier	-	-	Yes	Yes
2OO	-	Ephemeral	Waters 2OO is an ephemeral channel located north of Manchester Drive and south of the I-495 outer loop that flows southwest into Wetland 2NN.	-	Sand, gravel, cobble Width: 2.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
2P	03-V	PEM	Wetland 2P is a PEM located northwest of the on ramp from MD 218 to the I-495 inner loop that abuts Waters 2J.	Lamp rush Broom rosette grass Wand panic grass	-	-	Yes	Yes
2PP	-	Intermittent	Waters 2PP is an intermittent channel located south of the exit ramp from the I-495 outer loop to MD 337 that flows north from Wetland 2M into Waters 2L.	-	Silt, sand, muck, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
2Q	03-X	PSS	Wetland 2Q is a PSS ditch located southeast of the terminus of Walton Avenue and north of the I-495 inner loop that abuts Waters 2R.	Willow oak Sweet-gum Reed canary grass (<i>Phalaris arundinacea</i>) Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2QQ	-	Intermittent	Waters 2QQ is an intermittent channel located south of the exit ramp from the I-495 outer loop to MD 337 that flows west through Wetland 2M into Waters 2L.	-	Silt, sand, muck, gravel Width: 3 ft Depth 6 in	Right: forest Left: forest	Yes	Yes
2R	W3PG	Perennial	Waters 2R is a perennial channel located southeast of the terminus of Walton Avenue and north of the I-495 inner loop that flows north from a culvert under I-495 and out of the study area.	-	Sand, gravel, muck, rubble Width: 7 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
2RR	-	PSS	Wetland 2RR is a PSS located southwest of the exit ramp from the I-495 outer loop to MD 337, in the floodplain of Waters 2J.	Southern arrow-wood Common reed Rice cut grass (<i>Leersia oryzoides</i>) American burr-reed (<i>Sparganium americanum</i>)	-	-	Yes	Yes
2S	03-Z	PFO	Wetland 2S is a PFO located south of Walton Avenue and north of the I-495 inner loop, in the floodplain of Waters 2T.	Red maple Sweet-gum Highbush blueberry Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2SS	-	PFO	Wetland 2SS is an isolated PFO swale located southwest of the exit ramp from the I-495 outer loop to MD 337, adjacent to Waters 2J.	Red maple Sweet-gum American elm Green ash	-	-	Yes	Yes
2T	03-Y	Intermittent	Waters 2T is an intermittent channel located north of the I-495 inner loop and south of Walton Avenue that flows northeast from Wetlands 2U and 2S into Waters 2R.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
2TT	-	PEM	Wetland 2TT is a PEM located northeast of the exit ramp from the I-495 outer loop to MD 337.	Common reed Rough barnyard grass Floating primrose-willow (<i>Ludwigia peploides</i>)	-	-	Yes	Yes
2U	-	PFO	Wetland 2U is PFO located north of the I-495 inner loop and south of Walton Avenue that abuts Waters 2T.	Red maple Sweet-gum Sweet wood-reed Japanese stilt grass Eastern poison ivy Rambler rose Horsebrier	-	-	Yes	Yes
2UU	-	Intermittent	Waters 2UU is an intermittent channel located east of the exit ramp from northbound MD 5 to Deerpond Lane that originates at a culvert along MD 5 and flows northeast outside of the study area.	-	Cobble, gravel Width: 5 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
2V	-	Perennial	Waters 2V is a perennial channel located north of the on ramp from MD 218 to the I-495 inner loop that originates at a culvert along the roadway and flows north into Wetland 2CC.	-	Sand, gravel, concrete Width: 4 ft Depth: 1.5 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
2VV	-	Intermittent	Waters 2VV is an intermittent channel located east of the exit ramp from northbound MD 5 to Deerpond Lane that originates at a culvert along MD 5 and flows north outside of the study area.	-	Cobble, gravel Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
2W	-	Intermittent	Waters 2W is an intermittent ditch located north of the I-495 inner loop and south of Oakland Way that flows west into Waters 2X.	-	Concrete Width: 1.5 ft Depth: 2 ft	Right: forest, emergent vegetation Left: forest	No	Yes
2W_C							No	Yes
2WW	-	PFO	Wetland 2WW is a PFO located east of the exit ramp from northbound MD 5 to Deerpond Lane, adjacent to Waters 2UU and 2VV.	Red maple Sweet-gum American hornbeam Common reed Asian bittersweet (<i>Celastrus orbiculatus</i>) Horsebrier	-	-	Yes	Yes
2X	-	Perennial	Waters 2X is a perennial channel located east of the MD 5/I-495 interchange that originates from a culvert south of Silver Valley way, flows south through a second culvert under I-495, and continues outside of the study area.	-	Silt, sand, gravel, cobble, concrete Width: 3.5-12 ft Depth: 2-6 ft	Right: forest Left: forest	Yes	Yes
2X_1							Yes	Yes
2X_C							Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
2XX	-	PFO	Wetland 2XX is a PFO located northwest of Melford Avenue and south of the I-495 outer loop that abuts Wetland 2LL.	Red maple Sweet-gum American holly American beech Japanese stilt grass Pointed broom sedge (<i>Carex scoparia</i>)	-	-	Yes	Yes
2Y	-	Perennial	Waters 2Y is a perennial channel located east of the MD 5/I-495 interchange that flows southeast from a stormwater management facility, through a culvert under I-495, and out of the study area.	-	Sand, gravel, cobble, riprap Width: 4-18 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
2Y_1							Yes	Yes
2Y_C							Yes	Yes
2YY	-	Intermittent	Waters 2YY is an intermittent channel located east of a stormwater facility and south of Manchester Drive.	-	Silt, sand, cobble, gravel Width: 3 ft Depth: 1 ft	Right: mowed lawn Left: mowed lawn	Yes	Yes
2Z	-	Intermittent	Waters 2Z is an intermittent channel located north of the exit ramp from the I-495 inner loop to Auth Road that flows northeast from a stormwater management pond culvert into Waters 2Y.	-	Sand, gravel, cobble Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
2ZZ	-	Ephemeral	Waters 2ZZ is an ephemeral channel located west of Dear Pond Lane and east of MD 5. The channel appears to drain upland and flows from under MD 5 to outside of the study area.		Silt, cobble Width: 3-8 ft Depth: 8 in	Right: mowed lawn Left: hedgerow	Yes	No
Subsegment 3								
3A	03-U	Perennial	Waters 3A is a perennial channel located northeast of the intersection of MD 337 and MD 218 that originates outsideof the study area and flows southeast through a culvert under I-495.	-	Sand, gravel Width: 6 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
3A_1							Yes	Yes
3A_C							Yes	Yes
3AA	W121PG	Perennial	Waters 3AA is a perennial channel located between Forestville Road and Suitland Parkway that flows northwestunder I-495 into Waters 3S.	-	Cobble, gravel, mud Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
3AA_1							Yes	Yes
3AA_C							Yes	Yes
3AAA	-	PFO	Wetland 3AAA is a PFO located southwest of the ramp from the I-495 inner loop to Forestville Road, along the west bank of Waters 3D.	Red maple Sweet-gum Southern arrow-wood Amur honeysuckle River-bank wild rye (<i>Elymus riparius</i>) Japanese stilt grass Eastern poison ivy English ivy	-	-	Yes	Yes
3B	03-CC	PFO	Wetland 3B is a PFO located northeast of MD 218, between the I-495 outer loop and MD 337, that abuts Waters 3A.	Red maple Sweet-bay Sweet-gum Green ash English ivy Eastern poison ivy Fox grape (<i>Vitis labrusca</i>) Japanese honeysuckle	-	-	Yes	Yes
3BB	03-M	Ephemeral	Waters 3BB is an ephemeral channel located southwest of the I-495/Suitland Parkway interchange that originates at a non-jurisdictional concrete-lined channel and flows northeast to Waters 3AA.	-	Silt, sand, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: mowed lawn	Yes	No
3BBB	-	Intermittent	Waters 3BBB is an intermittent channel located between MD 337 and the I-495 outer loop north of Forestville Roadthat flows north from Wetland 3DDD into Waters 3AA.	-	Cobble, sand, gravel Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction	
3C	-	PEM	Wetland 3C is a PEM located northeast of MD 218, between the I-495 outer loop and MD 337, that abuts Waters 3A.	Black willow Unknown sedge species Marsh primrose-willow (<i>Ludwigia palustris</i>) Dock-leaf smartweed (<i>Persicaria lapathifolia</i>)	-	-	Yes	Yes	
3CC	03-P	Intermittent	Waters 3CC is an intermittent channel located southwest of the exit ramp from the I-495 inner loop to ForestvilleRoad that originates at a pipe culvert under I-495 and flows southwest to Waters 3D (Henson Creek).	-	Silt, sand Width: 4 ft Depth: 1 ft	Right: forest Left: forest, mowed grass	No	Yes	
3CCC	-	Ephemeral	Waters 3CCC is an ephemeral channel located between MD 337 and the I-495 outer loop north of ForestvilleRoad that flows northwest into Waters 3BBB.	-	Cobble, sand, gravel Width: 3 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	No	
3D	03-Q	Perennial	See Waters 1VV.					Yes	Yes
3D_1	03-Q			Yes	Yes				
3D_C	03-Q			Yes	Yes				
3DD	03-R	Perennial	Waters 3DD is a perennial channel located northwest of the I-495 inner loop and southeast of the terminus of Rena Road that flows northeast to Waters 3D.	-	Sand, gravel Width: 5 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes	
3DDD	-	PFO	Wetland 3DDD is a PFO located between MD 337 and the I-495 outer loop north of Forestville Road that abuts Waters 3BBB, 3CCC, and 3EEE.	Sweet-gum Willow oak Star sedge (<i>Carex echinata</i>) Eastern poison ivy Virginia-creeper	-	-	Yes	Yes	
3E	03-FF	PFO	Wetland 3E is a PFO swale located southeast of the I-495/Suitland Parkway interchange and west of MD 337 that abuts Waters 3F.	Sapling sized sweet-gum Black tupelo Southern arrow-wood Eastern poison ivy Japanese honeysuckle Horsebrier	-	-	Yes	Yes	
3EE	03-S	PFO	Wetland 3EE is a PFO located in the floodplain of Waters 3DD and 3VV, on a hill slope northwest of the I-495 inner loop and southeast of the terminus of Rena Road.	Red maple Sweet-bay Cinnamon fern Horsebrier Eastern poison ivy	-	-	Yes	Yes	
3EEE	-	Ephemeral	Waters 3EEE is an ephemeral channel located between MD 337 and the I-495 outer loop north of Forestville Road that flows northwest into Waters 3CCC.	-	Cobble, sand, gravel Width: 2 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	No	
3F	-	Ephemeral	Waters 3F is an ephemeral channel located southeast of the I-495/Suitland Parkway interchange and west of MD 337 that flows southwest to Wetland 3HHH.	-	Sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No	
3FF	03-T	PFO	Wetland 3FF is a PFO located along a sloped floodplain abutting Waters 3A, northeast of the intersection of Pickett Drive and MD 218, and north of the I-495 inner loop.	Green ash Red maple Black tupelo American holly Sweet-gum Lizard’s-tail (<i>Saururus cernuus</i>) Horsebrier	-	-	Yes	Yes	
3FFF	-	Intermittent	Waters 3FFF is an intermittent channel and ditch located between MD 337 and the I-495 outer loop north of Forestville Road that flows northeast from a non-jurisdictional concrete lined ephemeral channel into Waters 3AA. The feature is considered a ditch until it abuts Wetland 3GGG.	-	Sand, gravel, concrete Width: 4 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes	
3FFF_D							No	Yes	

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3G	03-DD	PFO	Wetland 3G is a PFO located between I-495 and MD 337, southwest of Forestville Road in the floodplain of Waters 3D.	Sweet-gum Highbush blueberry Swamp deciduous-doghobble (<i>Eubotrys racemosa</i>) Sweet-bay Horsebrier Unknown sedge species	-	-	Yes	Yes
3GG	03-MM	PEM	Wetland 3GG is a PEM located in a swale east of the I-495 outer loop and west of the exit ramp from the I-495 outer loop to MD 4 south that abuts Wetland 3HH.	Groundseltree (<i>Baccharis halimifolia</i>) Narrow-leaf cat-tail Japanese honeysuckle	-	-	Yes	Yes
3GGG	-	PFO	Wetland 3GGG is a PFO located between MD 337 and the I-495 outer loop north of Forestville Road that abuts Waters 3FFF.	Red maple Sweet-gum Southern arrow-wood Black tupelo White grass Star sedge Horsebrier Eastern poison ivy	-	-	Yes	Yes
3H	03-WW	Intermittent	Waters 3H is an intermittent channel located between I-495 and MD 337, southwest of Forestville Road that flows northeast to Waters 3D.	-	Sand, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3HH	03-NN	PFO	Wetland 3HH is a PFO located east of the I-495 outer loop and west of the exit ramp from the I-495 outer loop to MD 4 south that abuts Wetland 3GG.	Red maple Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3HHH	-	PFO	Wetland 3HHH is a PFO swale located between MD 337 and the I-495 outer loop north of Forestville Road that abuts Waters 3BBB.	Red maple Sweet-gum American holly Willow oak Eastern poison ivy Deer-tongue rosette grass Virginia-creeper Horsebrier	-	-	Yes	Yes
3I	03-EE	Intermittent	Waters 3I is an intermittent channel located in a roadside ditch south of the I-495 outer loop and southwest of the ramp from Forestville Road to MD 337, that flows southwest to from Wetland 3J into Waters 3D.	-	Sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3II	03-PP	PEM	Wetland 3II is a PEM located in a ditch within the southeast cloverleaf of the MD 4/I-495 interchange that abuts Waters 3JJ.	Broad-leaf cat-tail	-	-	Yes	Yes
3III	-	PEM	Wetland 3III is a PEM located southwest of the I-495/Suitland Parkway interchange, abutting Wetland 3JJJ.	White grass Japanese stilt grass	-	-	Yes	Yes
3J	03-II	PEM	Wetland 3J is a PEM located in a partially concrete-lined ditch along the south side of the I-495 outer loop at the Forestville Road overpass.	Broad-leaf cat-tail Reed canary grass	-	-	Yes	Yes
3JJ	Mar-00	Intermittent	Waters 3JJ is an intermittent channel located within the southeast cloverleaf of the MD 4/I-495 interchange that flows west through a pipe to Waters 3LL.	-	Sand, gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
3JJ_C							Yes	Yes
3JJ_C1							Yes	Yes
3JJJ	-	PFO	Wetland 3JJJ is a PFO located southwest of I-495/ Suitland Parkway interchange, in the floodplain of Waters 3AA and 3S.	Sweet-gum Red maple Northern spicebush Japanese stilt grass Eastern poison ivy Virginia-creeper	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3K	-	PSS	Wetland 3K is a PSS swale located in the floodplain of Waters 3D, between I-495 and MD 337.	Sweet-gum Unknown grass species (<i>Poacea</i> sp.) Blunt broom sedge	-	-	Yes	Yes
3KKK	-	PSS	Wetland 3KKK is a PSS located northwest of the I-495/Suitland Parkway interchange, in the floodplain of Waters 3L and 3LLL.	Sweet-gum Deer-tongue rosette grass Eastern poison ivy	-	-	Yes	Yes
3L	W122PG	Perennial	Waters 3L is a perennial channel located north of Suitland Parkway that flows northwest through a culvert under I-495 into Waters 3S.	-	Sand Width: 7 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
3L_1							Yes	Yes
3L_C							Yes	Yes
3LL	03-D	Intermittent	Waters 3LL is an intermittent channel located within the northwest and southwest cloverleaves of the MD 4/I-495 interchange that flows from the northwest cloverleaf, through a culvert under MD 4 into the southwest cloverleaf, and into Waters 3ZZ through a pipe under the I-495 on ramp.	-	Silt, sand, gravel, concrete Width: 7 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3LL_1							Yes	Yes
3LL_C							Yes	Yes
3LL_C1							Yes	Yes
3LLL	-	Ephemeral	Waters 3LLL is an ephemeral channel located northwest of the I-495/Suitland Parkway interchange that originates at a pipe culvert under Suitland Parkway and flows north through Wetland 3KKK into Waters 3L.	-	Silt, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest, scrub-shrub wetland	Yes	No
3M	03-HH	PEM	Wetland 3M is a PEM located northeast of the I-495/Suitland Parkway interchange, along both banks of Waters 3L.	Sweet-gum Japanese stilt grass Deer-tongue rosette grass Horsebrier	-	-	Yes	Yes
3MMM	-	PEM	Wetland 3MMM is a PEM located on a hillslope northwest of the I-495/Suitland Parkway interchange, abutting Waters 3SS.	Groundseltree Lamp rush Unidentified sedge species Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3N	03-JJ	Intermittent	Waters 3N is an intermittent channel located northeast of the I-495/Suitland Parkway interchange that flows southwest to Waters 3L.	-	Sand, gravel Width: 4 ft Depth: 2 ft	Right: emergent vegetation Left: forest	Yes	Yes
3NN	W127PG	PEM	Wetland 3NN is a PEM located between the southbound I-495 on-ramp from MD 4 and the I-495 inner loop, abutting Wetland 3OO.	Groundseltree Broad-leaf cat-tail Lamp rush	-	-	Yes	Yes
3NNN	-	PFO	Wetland 3NNN is a PFO located northwest of the I-495/Suitland Parkway interchange that abuts Waters 3SS.	Sweet-gum Red maple Morrow's honeysuckle (<i>Lonicera morrowii</i>) Sticky-willy (<i>Galium aparine</i>) Eastern poison ivy	-	-	Yes	Yes
3O	03-KK	PFO	Wetland 3O is a PFO located northeast of the I-495/Suitland Parkway interchange that abuts Wetland 3P and Waters 3N.	River birch Sweet-gum Southern arrow-wood Sweet wood-reed Rambler rose Horsebrier Japanese honeysuckle	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
300	03-J	PFO	Wetland 300 is a PFO swale located between the southbound I-495 onramp from MD 4 and the I-495 inner loop that abuts Wetland 3NN.	Sweet-gum American elm Red maple Saw-tooth blackberry Amur honeysuckle White oldfield American-aster (<i>Symphyotrichum pilosum</i>) Japanese honeysuckle Eastern poison ivy Horsebrier Unknown grass species	-	-	Yes	Yes
3000	-	POW	Waters 3000 is an abandoned stormwater pond classified as a POW located northeast of the I-495/Suitland Parkway interchange.	-	Silt and sand Width: 45 ft Depth: Unknown	Right: forest Left: forest	Yes	Yes
3P	03-LL	PEM	Wetland 3P is a PEM located northeast of the I-495/Suitland Parkway interchange, within the limits of Wetland 3O.	Japanese stilt grass Rice cut grass	-	-	Yes	Yes
3PP	-	Ephemeral	Waters 3PP is an ephemeral channel located between the southbound I-495 on-ramp from MD 4 and the I-495 inner loop that flows north to a culvert under the I-495 on-ramp and into Waters 3RR.	-	Silt, sand, gravel, concrete Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
3PP_C							Yes	No
3Q	W6PG	Ephemeral	Waters 3Q is an ephemeral channel located northeast of the I-495/Suitland Parkway interchange that flows southwest and dissipates into Wetland 3O.	-	Sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
3QQ	-	Ephemeral	Waters 3QQ is an ephemeral channel located southeast of the intersection of MD 4 and Forestville Road that flows west into Waters 3WW.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: mowed lawn, paved road Left: forest	Yes	No
3QQQ	-	PSS	Wetland 3QQQ is an isolated PSS located in a depression west of the southwest cloverleaf of the MD 4/I-495 interchange and north of Wetland 3SSS.	Saw-tooth blackberry Sweet-gum Common fox sedge (<i>Carex vulpinoidea</i>) Shallow sedge Indian strawberry (<i>Duchesnea indica</i>) Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3R	03-G	PSS	Wetland 3R is a PSS located northwest of the I-495/Suitland Parkway interchange, abutting the east bank of Waters 3S.	Black cherry (<i>Prunus serotina</i>) Sweet-gum Southern arrow-wood Sweet wood-reed Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
3RR	-	Ephemeral	Waters 3RR is an ephemeral channel located southwest of the southwest cloverleaf of the MD 4/I-495 interchange that flows north into Waters 3ZZ.		Silt, sand, partially concrete Width: 4 ft Depth: 1 ft	Right: mowed lawn, paved road Left: forest	Yes	No
3RRR	-	PFO	Wetland 3RRR is a PFO located southeast of the intersection of MD 4 and Forestville Road that abuts Waters 3XX.	Red maple Black tupelo Sweet-gum White grass Sensitive fern (<i>Onoclea sensibilis</i>) Virginia-creeper Horsebrier Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3S	W123PG	Perennial	See Waters 1VV.				Yes	Yes
3S_1							Yes	Yes
3S_2							Yes	Yes
3S_C							Yes	Yes
3S_C1							Yes	Yes
3SS	-	Intermittent	Waters 3SS is an intermittent channel located northwest of the I-495/Suitland Parkway interchange that flows southwest into Waters 3S.	-	Silt, cobble, sand, gravel Width: 5 ft Depth: 3.5 ft	Right: forest, commercial Left: forest	Yes	Yes
3SSS	-	PFO	Wetland 3SSS is an isolated PFO located along a gently sloping terrace west of the southwest cloverleaf of the MD 4/I-495 interchange and south of Wetland 3QQQ.	Red maple Sweet-gum Black tupelo Highbush blueberry Japanese stilt grass Swan's sedge (<i>Carex swanii</i>) Horsebrier	-	-	Yes	Yes
3T	03-F	PFO	Wetland 3T is a PFO located along a hill slope northwest of the I-495/Suitland Parkway interchange that abuts Waters 3L and 3S.	Red maple Japanese stilt grass Orange day-lily (<i>Hemerocallis fulva</i>) Eastern poison ivy	-	-	Yes	Yes
3TT	-	Perennial	Waters 3TT is a perennial channel located northeast of the I-495/Suitland Parkway interchange that flows southwest from a culvert and dissipates into Wetland 3O.	-	Sand, gravel; upstream portion is concrete-lined Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3U	03-E	Intermittent	Waters 3U is an intermittent channel located northwest of the I-495 inner loop and south of Penn Belt Place that begins at a head cut at a non-jurisdictional concrete-lined channel and flows southwest to Waters 3S.	-	Sand, gravel Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
3UU	-	Intermittent	Waters 3UU is an intermittent channel located northwest of the exit ramp from the I-495 inner loop to Forestville Road that flows northwest from a culvert into Waters 3D.	-	Sand, gravel; upstream portion is concrete-lined Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3V	03-H	PFO	Wetland 3V is a PFO located northwest of the I-495/Suitland Parkway interchange, abutting Waters 3L and Wetland 3KKK.	Red maple Sweet-gum Black tupelo Japanese honeysuckle Eastern poison ivy Mild water-pepper (<i>Persicaria hydropiper</i>) Unknown aster species (<i>Aster</i> sp.) Sweet wood-reed	-	-	Yes	Yes
3VV	-	Perennial	Waters 3VV is a perennial channel located northwest of the I-495 inner loop and southwest of the terminus of Rena Road that flows east from outside the study area into Waters 3DD.	-	Silt, cobble, sand Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3W	03-I	PFO	Wetland 3W is a PFO located northwest of the I-495/Suitland Parkway interchange, abutting Waters 3S.	Sweet-gum Tuliptree Black tupelo Green ash Sweet-bay Southern arrow-wood Sweet wood-reed Skunk-cabbage Horsebrier Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3WW	-	Perennial	Waters 3WW is a perennial channel located southeast of the intersection of MD 4 and Forestville Road that flows south from a culvert under MD 4 and outside of the study area.	-	Sand, gravel; upstream portion is concrete lined Width: 5 ft Depth: 3-5 ft	Right: forest, mowed lawn, commercial Left: forest	Yes	Yes
3X	03-K	PFO	Wetland 3X is a PFO located within the forested median of Suitland Parkway, west of the I-495 inner loop that abuts Waters 3S.	Sweet-gum Pin oak Red maple Southern arrow-wood Sweet wood-reed Deer-tongue rosette grass Eastern poison ivy Horsebrier	-	-	Yes	Yes
3XX	-	Intermittent	Waters 3XX is an intermittent channel located southeast of the intersection of MD 4 and Forestville Road that drains Wetland 3RRR and flows southwest into Waters 3WW.	-	Silt, sand, muck Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
3Y	03-L	PFO	Wetland 3Y is a PFO located southwest of the I-495/Suitland Parkway interchange that abuts both banks of Waters 3S.	Sweet-gum Red maple American holly Saw-tooth blackberry Japanese stilt grass Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3Z	03-O	Ephemeral	Waters 3Z is an ephemeral channel located southwest of the I-495/Suitland Parkway interchange that conveys runoff from Suitland Parkway and flows into Wetland 3Y.	-	Sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
3ZZ	-	Perennial	Waters 3ZZ is a perennial channel located west of the on ramp from MD 4 to the I-495 inner loop that flows southwest beyond the study area.	-	Concrete-lined at culvert; sand and gravel downstream Width: 10 ft Depth: 5-7 ft	Right: forest Left: forest	Yes	Yes
Subsegment 4								
4A	03-SS	PEM	Wetland 4A is a PEM located north of MD 4 and west of the on-ramp from MD 4 north to the I-495 outer loop.	Black elder Narrow-leaf cat-tail Three-square (<i>Schoenoplectus pungens</i>) Virginia-creeper	-	-	Yes	Yes
4AA	04-T	Intermittent	Waters 4AA is an intermittent channel located east of the I-495 outer loop and west of Bauman Drive that begins at a stormwater pipe under I-495 and flows east into Waters 4Z.	-	Silt, sand Width: 6 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4AAA	-	PFO	Wetland 4AAA is a PFO located west of the I-495 inner loop and north of Darcy Road in the floodplain of Waters 4W.	Red maple River birch Sweet-gum Sweet-bay Highbush blueberry Japanese stilt grass Netted chain fern Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4AAAA	03-A	PFO	Wetland 4AAAA is a PFO depression located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop that abuts Waters 4GGGG.	Red maple Sweet-gum Highbush blueberry Crow garlic Dark-green sedge (<i>Carex venusta</i>) Eastern poison ivy Horsebrier Fox grape	-	-	Yes	Yes
4AAAAA	-	PEM	Wetland 4AAAAA is a PEM located east of the I 495 outer loop and west of West Grove, adjacent to 4BBBBB and 4CCCCC, and drains into 4ZZZZ.	Black willow Broad-leaf-cat-tail Woolgrass (<i>Scirpus cyperinus</i>)	-	-	Yes	Yes
4B	04-Z	Intermittent	Waters 4B is an intermittent channel located east of the I-495 outer loop and southwest of Darcy Road that flows northwest to a culvert under I-495 and into Waters 4TTT.	-	Silt, sand, cobble, gravel Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4B_C							Yes	Yes
4BB	04-CC	PFO	Wetland 4BB is a PFO located east of the I-495 outer loop and west of Bauman Drive that abuts Waters 4AA and Waters 4Z.	Pin oak Sweet-gum Reed canary grass Eastern poison ivy Virginia-creeper	-	-	Yes	Yes
4BBB	04-C	Perennial	Waters 4BBB is a perennial channel located west of the I-495 inner loop and north of Darcy Road that flows northwest from a stormwater pipe under I-495 into Wetland 4DDD.	-	Sand, gravel, riprap Width: 2-6 ft Depth: 2.5 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
4BBB_1							Yes	Yes
4BBB_C							Yes	Yes
4BBBB	03-B	Ephemeral	Waters 4BBBB is an ephemeral channel located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop that flows north into Wetland 4AAAA.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
4BBBBB	-	POW	Waters 4BBBBB is a POW located located east of the I 495 outer loop and west of West Grove, adjacent to 4AAAAA and 4CCCCC.	-	Silt, sand, gravel Width: 30 ft Length: 50 ft	Right: Old field Left: Old field	Yes	Yes
4C	-	Ephemeral	Waters 4C is an ephemeral channel located east of the I-495 outer loop and southwest of Darcy Road that flows southwest into Waters 4B.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
4CC	04-FF	PEM	Wetland 4CC is a PEM swale located east of the I-495 outer loop and west of Bauman Drive.	Red maple Sweet-gum Narrow-leaf cat-tail Rice cut grass	-	-	Yes	Yes
4CCC	-	PEM	Wetland 4CCC is a PEM located west of the I-495 inner loop and north of Darcy Road within the floodplain of Waters 4BBB.	Highbush blueberry Black willow Rambler rose Sweet-gum American sycamore Lamp rush Rice cut grass Meadow false rye grass (<i>Schedonorus pratensis</i>)	-	-	Yes	Yes
4CCCC	03-C	PFO	Wetland 4CCCC is a PFO swale located northeast of the terminus of Marlboro Pike and west of the I-495 inner loop, abutting Waters 4DDDD.	American sycamore American elm Sweet-gum Saw-tooth blackberry English ivy Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4CCCC	-	POW	Waters 4CCCC is a POW located located east of the I 495 outer loop and west of West Grove, adjacent to 4AAAAA and 4BBBBB.	-	Silt, sand, gravel Width: 40 ft Length: 50 ft	Right: Old field Left: Old field	Yes	Yes
4D	-	PFO	Wetland 4D is a PFO swale located east of the I-495 outer loop and southwest of Darcy Road that abuts Waters 4B.	Red maple Brookside alder (<i>Alnus serrulata</i>) Highbush blueberry Unknown sedge species Deer-tongue rosette grass Spreading bent (<i>Agrostis stolonifera</i>) Japanese honeysuckle Horsebrier	-	-	Yes	Yes
4DD	-	PEM	Wetland 4DD is a PEM depression located west of the I-495 inner loop and north of Darcy Road that abuts Waters 4EE.	Broad-leaf-cat-tail Tall false rye grass	-	-	Yes	Yes
4DDD	-	PFO	Wetland 4DDD is a PFO located west of the I-495 inner loop and north of Darcy Road that abuts Waters 4HHH and 4BBB.	American sycamore Sweet-gum American beech Common pawpaw (<i>Asimina triloba</i>) Small-spike false nettle (<i>Boehmeria cylindrica</i>) Rice cut grass	-	-	Yes	Yes
4DDDD	W92PG	Intermittent	Waters 4DDDD is an intermittent channel located west of the I-495 inner loop and northeast of the terminus of Marlboro Pike that flows northwest from a pipe culvert under I-495 and outside the study area.	-	Sand, gravel Width: 5 ft Depth: 1.5 ft	Right: forest Left: forest	Yes	Yes
4DDDD_1							Yes	Yes
4DDDD_C							Yes	Yes
4E	04-Y	Intermittent	Waters 4E is an intermittent channel located east of the I-495 outer loop and southwest of Darcy Road that flows northwest through a culvert under I-495 into Waters 4JJJJ.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4E_C							Yes	Yes
4EE	-	Perennial	Waters 4EE is a perennial channel located west of the I-495 inner loop and north of Darcy Road that flows southwest into Waters 4W.	-	Cobble, gravel, silt, sand Width: 3 ft Depth: 1.5 ft	Right/Left: tall grass, scrub-shrub vegetation	Yes	Yes
4EEE	-	PEM	Wetland 4EEE is a PEM located west of the I-495 inner loop and north of Darcy Road that abuts Wetland 4DDD and 4HHH.	Sweet-gum American sycamore Rice cut grass Shallow sedge	-	-	Yes	Yes
4EEEE	-	PFO	Wetland 4EEEE is a PFO located in the floodplain of Waters 4DDDD, west of the I-495 inner loop and northeast of the terminus of Marlboro Pike.	Red maple Virginia-creeper Fowl manna grass (<i>Glyceria striata</i>) Horsebrier	-	-	Yes	Yes
4F	-	PFO	Wetland 4F is a PFO swale located east of the I-495 outer loop and southwest of Darcy Road that abuts Waters 4E.	Red maple Southern arrow-wood American elm Black elder Unknown grass species (<i>Poa</i> sp.) Deer-tongue rosette grass Japanese honeysuckle Horsebrier	-	-	Yes	Yes
4FF	04-GG	Ephemeral	Waters 4FF is an ephemeral channel located south of the exit ramp from I-495 northbound to Ritchie Marlboro Road that flows west into Waters 4Z.	-	Cobble, silt, sand Width: 2-3 ft Depth: 3 in	Right: scrub-shrub Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4FFF	-	PFO	Wetland 4FFF is a PFO located west of the I-495 inner loop and north of Darcy Road that abuts Waters 4W.	American sycamore Sweet-gum Japanese stilt grass Virginia-creeper White grass	-	-	Yes	Yes
4FFFF	-	PFO	Wetland 4FFFF is a PFO depression located west of the I-495 inner loop and northeast of the terminus of Marlboro Pike.	Red maple Sweet-gum Rice cut grass Common reed	-	-	Yes	Yes
4GG	-	Intermittent	Waters 4GG is an intermittent ditch and culvert located east of the I-495 outer loop and north of Pennsylvania Avenue that flows north along the roadway and through a pipe culvert under I-495 into Waters 4DDDD. Waters 4GG_C receives input from Waters 4GG and Waters 4J.	-	Concrete Width: 4 ft Depth: 2 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	No	Yes
4GG_C							Yes	Yes
4GGG	-	Ephemeral	Waters 4GGG is an ephemeral channel located west of the I-495 inner loop and north of Darcy Road that flows north into Wetland 4FFF.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
4GGGG	-	Perennial	Waters 4GGGG is a perennial channel located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop that flows northwest along Wetland 4AAAA and beyond the study area.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4H	-	Ephemeral	Waters 4H is an ephemeral channel located within the northeast cloverleaf of the MD 4/I 495 interchange that flows northwest through a culvert under I 495 into Waters 3LL.	-	Silt, cobble, gravel Width: 2 ft Depth: 6 in	Right: forest, tall grass Left: paved road	Yes	No
4H_C							Yes	No
4HH	-	PFO	Wetland 4HH is a PFO located east of the I-495 outer loop and north of Pennsylvania Avenue.	American elm Callery pear (<i>Pyrus calleryana</i>) Green ash Eastern poison ivy Common reed	-	-	Yes	Yes
4HHH	-	Intermittent	Waters 4HHH is an intermittent channel located west of the I-495 inner loop and north of Darcy Road that flows northwest from a pipe culvert under I-495 into Wetland 4DDD.	-	Cobble, sand, gravel, riprap Width: 3 ft Depth: 1 ft	Right: emergent vegetation Left: emergent vegetation	Yes	Yes
4HHH_1							Yes	Yes
4HHH_C							Yes	Yes
4HHHH	-	PFO	Wetland 4HHHH is a PFO swale located west of the I-495 inner loop and approximately 70 feet south of Darcy Road that abuts Waters 4TTT.	Red maple Tuliptree Sweet-gum Cinnamon fern White grass Broad-leaf cat-tail	-	-	Yes	Yes
4I	03-VV	PEM	Wetland 4I is a PEM ditch located within the northeast cloverleaf of the MD 4/I-495 interchange.	Narrow-leaf cat-tail	-	-	Yes	Yes
4II	-	PFO	Wetland 4II is a PFO located east of the I-495 outer loop and northwest of the terminus of Flowers Road that abuts Waters 4M.	Black willow Sweet-gum Green ash Virginia-creeper Fowl manna grass	-	-	Yes	Yes
4III	-	PEM	Wetland 4III is a PEM located west of the I-495 inner loop and east of Darcy Road, between Waters 4HHH and 4BBB.	Black willow Lamp rush Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4IIII	-	PFO	Wetland 4IIII is a PFO located west of the I-495 inner loop and southwest of the terminus of Hampton Park Boulevard, in the floodplain of Waters 4JJJJ.	Sweet-gum American beech Sweet-bay Cinnamon fern Horsebrier	-	-	Yes	Yes
4J	-	Ephemeral	Waters 4J is an ephemeral channel located east of the on ramp from MD 4 north to the I-495 outer loop that flows south into Waters 4GG.	-	Silt, cobble, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest, paved road Left: forest	Yes	No
4JJJ	-	PFO	Wetland 4JJJ is an isolated PFO swale located west of the I-495 inner loop and east of Darcy Road, north of Wetland 4III.	Sweet-gum White grass Deer-tongue rosette grass Horsebrier	-	-	Yes	Yes
4JJJJ	04-I	Perennial	Waters 4JJJJ is a perennial channel located west of the I-495 inner loop and south of Darcy Road that flows from a culvert under I-495 and continues northwest beyond the study area.	-	Silt, sand, gravel Width: 6 ft Depth: 2-20 ft	Right: forest Left: forest	Yes	Yes
4K	-	Intermittent	Waters 4K is an intermittent channel located east of the I-495 outer loop and west of Flowers Road that flows northeast and dissipates into Wetland 4KK.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest, paved road	Yes	Yes
4KK	-	PFO	Wetland 4KK is a PFO located east of the I-495 outer loop and southwest of the terminus of Flowers Road, in the floodplain of Waters 4M and 4LL.	Black tupelo Red maple Tuliptree Sweet-gum Virginia-creeper Cinnamon fern Sensitive fern	-	-	Yes	Yes
4KKK	-	PFO	Wetland 4KKK is a PFO located in the floodplain of Waters 4Z, south of the exit ramp from the I-495 outer loop to Ritchie Marlboro Road.	Sweet-gum Silky dogwood (<i>Cornus amomum</i>) Sweet wood-reed Eastern poison ivy Horsebrier Virginia-creeper	-	-	Yes	Yes
4KKKK	04-J	PFO	Wetland 4KKKK is a PFO located west of the I-495 inner loop and south of Darcy Road that abuts Waters 4JJJJ.	Sweet-gum Sweet-bay Southern arrow-wood Netted chain fern Cinnamon fern	-	-	Yes	Yes
4L	04-L	Intermittent	Waters 4L is an intermittent channel located east of the I-495 outer loop and west of Flowers Road that flows east from a pipe under I-495 into Waters 4M.	-	Silt, sand, gravel Width: 8 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
4LL	-	Perennial	Waters 4LL is perennial channel located east of the I-495 outer loop and southwest of the terminus of Flowers Road that abuts Wetland 4KK and flows northeast from outside the study area into Waters 4M.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4LLL	-	PFO	Wetland 4LLL is a PFO located in the floodplain of Waters 4Z, east of the I-495 outer loop and west of Bauman Drive.	Red maple Sweet-gum Northern spicebush Rambler rose American holly Virginia-creeper northern lady fern (<i>Athyrium angustum</i>) Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4LLLL	-	Ephemeral	Waters 4LLLL is an ephemeral channel located west of the I-495 inner loop and south of Darcy Road that flows west into Wetland 4KKKK.	-	Sand, tree roots Width: 2 ft Depth: 4 in	Right: forest Left: forest	Yes	No
4M	04-EE	Perennial	Waters 4M is a perennial channel located east of the I-95/I-495 outer loop and west of Flowers Road that flows into Waters 4PPPP.	-	Mud Width: 3.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4M_C							Yes	Yes
4MM	W8PG	PFO	Wetland 4MM is a PFO located in the floodplain of Waters 4M on the east side of the I-495 outer loop and west of the terminus of Flowers Road.	Red maple Sweet-gum Virginia-creeper Cinnamon fern Horsebrier	-	-	Yes	Yes
4MMM	-	PFO	Wetland 4MMM is a PFO depression located east of the I-495 outer loop and west of Dogwood Park Street, adjacent to Waters 4Y.	Red maple Sweet-gum Virginia-creeper Eastern poison ivy Asian bittersweet	-	-	Yes	Yes
4MMMM	-	Ephemeral	Waters 4MMMM is an ephemeral channel located west of the I-495 inner loop and south of Darcy Road that flows northeast into Wetland 4NNNN.	-	Silt, sand Width: 3 ft Depth: 1 in	Right: forest Left: forest	Yes	No
4N	-	PFO	Wetland 4N is a PFO located east of the I-495 outer loop and west of Cherry Lane South, abutting Waters 4O.	Red maple Sweet-gum northern white oak (<i>Quercus alba</i>) Sweet bay Sweet wood-reed Japanese honeysuckle Horsebrier Eastern poison ivy	-	-	Yes	Yes
4NN	-	Intermittent	Waters 4NN is a man-made intermittent channel located east of the I-495 outer loop and west of West Grove that flows west from a non-jurisdictional stormwater management pond into Waters 4Q.	-	Riprap Width: 2 ft Depth: 6 in	Right: forest Left: emergent vegetation	Yes	Yes
4NNN	-	Intermittent	Waters 4NNN is an intermittent channel located in the southeast quadrant of the I-495/Ritchie Marlboro Road intersection that flows northwest through a series of culverts and into Waters 4Z.	-	Silt, sand, gravel Width: 3-4 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
4NNN_1	04-N						Yes	Yes
4NNN_C	-						Yes	Yes
4NNNN	04-G	PFO	Wetland 4NNNN is a PFO located west of the I-495 inner loop and south of Darcy Road that abuts Waters 4MMMM and 4O000.	Sweet-gum Red maple Sweet-bay Skunk-cabbage Netted chain fern Horsebrier	-	-	Yes	Yes
4O	-	Intermittent	Waters 4O is an intermittent channel located east of the I-495 outer loop and west of Cherry Lane South that flows south into Waters 4PP.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4OO	-	Intermittent	Waters 4OO is an intermittent channel located east of the I-495 outer loop and west of West Grove that originates at Wetland 4R and flows south into Waters 4Q.	-	Silt Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

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4000	04-M	PFO	Wetland 4000 is a PFO located in the floodplain of Waters 4NNN in the southeast quadrant of the I-495/Ritchie Marlboro Road intersection.	Black willow River birch Sweet-gum Northern spicebush Ash-leaf maple Japanese honeysuckle Eastern poison ivy Frost grape (<i>Vitis vulpina</i>)	-	-	Yes	Yes
40000	04-H	Intermittent	Waters 40000 is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows northeast from Wetland 4NNNN into Waters 4JJJJ.	-	Silt, sand, gravel Width: 3 ft Depth: 4-6 in	Right: forest Left: forest	Yes	Yes
4P	04-X	Ephemeral	Waters 4P is an ephemeral channel located east of the I-495 outer loop and west of Cherry Lane South that flows southwest into Waters 4O.	-	Silt, sand, gravel Width: 2 ft Depth: 6 in	Right: mowed lawn Left: forest	Yes	No
4PP	-	Ephemeral	Waters 4PP is an ephemeral channel located east of the I-495 outer loop and west of West Grove that originates at Waters 4O and flows southwest into Wetland 4R.	-	Cobble, sand Width: 3 ft Depth: 2 in	Right: forest Left: forest	Yes	No
4PPP	-	PFO	Wetland 4PPP is a PFO located in the southeast quadrant of the I-495/Ritchie Marlboro Road intersection that abuts Waters 4Z.	American elm Tuliptree Northern spicebush Common winterberry (<i>Ilex verticillata</i>) Fowl manna grass Shallow sedge Eastern poison ivy Virginia-creeper	-	-	Yes	Yes
4PPPP	W90PG	Perennial	Waters 4PPPP is a perennial channel located west of the I-495 inner loop and east of Kaverton Road that flows northeast along I-495 into Waters 4Q.	-	Cobble, gravel Width: 5 ft Depth: 4 ft	Right: forest Left: paved road	Yes	Yes
4Q	04-W	Perennial	Waters 4Q (Ritchie Branch) is a perennial channel located north of the terminus of Flowers Road and east of Kaverton Road, that flows west through a culvert under I-495 and outside the study area.	-	Silt, cobble, sand, gravel, concrete Width: 6-15 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
4Q_1							Yes	Yes
4Q_C							Yes	Yes
4QQ	-	Intermittent	Waters 4QQ is an intermittent channel located east of the I-495 outer loop and west of the terminus of South Cherry Lane that flows southeast from Wetland 4N into Waters 4O.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 4 ft	Right: forest, paved road Left: forest	Yes	Yes
4QQQ	-	PEM	Wetland 4QQQ is a PEM located west of the I-495 inner loop and north of Darcy Road that abuts Wetland 4CCC.	Red maple Tuliptree Sweet-gum Common winterberry Leafy bulrush (<i>Scirpus polyphyllus</i>) Lamp rush Rice cut grass Horsebrier Virginia-creeper	-	-	Yes	Yes
4QQQQ	04-K	Intermittent	Waters 4QQQQ is an intermittent channel located west of the I-495 inner loop and east of Kaverton Road that begins at two concrete culverts and flows south into Waters 4Q.	-	Sand, gravel Width: 4 ft Depth: 6 in	Right: forest, industrial Left: forest	Yes	Yes

Wetland and Waterway Features Table

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4R	-	PFO	Wetland 4R is a PFO located east of the I-495 outer loop and north of the terminus of Flowers Road that abuts Waters 4Q and 4O.	Red maple Sweet-gum Northern spicebush Sweet wood-reed Japanese stilt grass Eastern poison ivy Japanese honeysuckle	-	-	Yes	Yes
4RR	-	PFO	Wetland 4RR is a PFO located east of the I-495 outer loop and west of the terminus of South Cherry Lane that abuts Waters 4P.	Sweet-gum Red maple Tuliptree Japanese stilt grass Japanese honeysuckle	-	-	Yes	Yes
4RRR	-	Intermittent	Waters 4RRR is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows southwest into Waters 4TTT.	-	Sand, muck Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4RRRR	-	PFO	Wetland 4RRRR is a PFO located on a hillslope west of the I-495 inner loop and south of Darcy Road that abuts Waters 4SSS.	Red maple American beech Northern spicebush Netted chain fern	-	-	Yes	Yes
4S	-	Ephemeral	Waters 4S is an ephemeral erosional feature located east of the I-495 outer loop and north of the terminus of Flowers Road that flows north into Waters 4Q.	-	Silt, cobble, sand, gravel, riprap Width: 2.5 ft Depth: 2.5 ft	Right: forest Left: forest, mowed lawn	Yes	No
4SS	-	PEM	Wetland 4SS is a beaver-impounded PEM located east of the I-495 outer loop and northwest of West Grove that abuts Waters 4Q.	Red maple Japanese stilt grass Rice cut grass	-	-	Yes	Yes
4SSS	-	PFO	Wetland 4SSS is a PFO located west of the I-495 inner loop and south of Darcy Road that abuts Waters 4RRR.	Sweet-gum Red maple Common winterberry Northern spicebush Cinnamon fern Rice cut grass Virginia-creeper Japanese honeysuckle Horsebrier	-	-	Yes	Yes
4SSSS	-	Intermittent	Waters 4SSSS is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows northeast from Wetland 4RRRR into Waters 4JJJJ.	-	Silt, sand, muck Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4T	04-BB	Intermittent	Waters 4T is an intermittent channel located east of the I-495 outer loop and northeast of Darcy Road that flows from Waters 4U northwest into a culvert under I-495 and into Waters 4BBB.	-	Silt, sand Width: 15 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4T_C							Yes	Yes
4TT	-	Ephemeral	Waters 4TT is an ephemeral channel located east of the I-495 outer loop and south of Darcy Road that flows southwest into Waters 4B.	-	Sand, gravel Width: 4 ft Depth: 3 ft	Right: forest, emergent vegetationLeft: forest	Yes	No
4TTT	04-D	Perennial	Waters 4TTT is a perennial channel located west of the I-495 inner loop and south of Darcy Road that begins at a culvert under I-495 and flows northwest beyond the study area.	-	Cobble, sand, gravel, riprap, clay Width: 8 ft Depth 1-8 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
4TTTT_2	04-B	Intermittent	Waters 4TTTT is a channel with intermittent and perennial flow that originates at a stormwater management pond outfall in the southwestern quadrant of the I-495/Ritchie Marlboro Road intersection and flows north under Ritchie Marlboro Road, then east under I-495 into Waters 4Z.	-	Silt, sand, gravel, riprap Width: 5-15 ft Depth: 2 ft	Right: old field, forest Left: old field, forest	No	Yes
4TTTT_3		Perennial					Yes	Yes
4TTTT_C2		Perennial					Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4U	04-AA	Intermittent	Waters 4U is an intermittent channel located east of the I-495 outer loop and northeast of Darcy Road that flows northeast into Waters 4T.	-	Silt, sand, gravel Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4UU	-	PFO	Wetland 4UU is a PFO located east of the I-495 outer loop and south of Darcy Road that abuts Waters 4B.	Sweet-gum Red maple Virginia-creeper	-	-	Yes	Yes
4UUU	04-E	Intermittent	Waters 4UUU is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows north through Wetland 4VVV into Waters 4TTT.	-	Silt, sand, gravel Width: 5 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4UUUU	-	Intermittent	Waters 4UUUU is an intermittent channel located west of the I-495 inner loop and northeast of Darcy Road that flows southeast from outside the study area into Waters 4BBB.	-	Silt, sand Width: 2 ft Depth: 4 in	Right: forest Left: forest	Yes	Yes
4V	-	PFO	Wetland 4V is a PFO located east of the I-495 outer loop and northeast of Darcy Road within a swale along Waters 4U.	Red maple Sweet-gum Highbush blueberry Unknown grass species (<i>Poaceae</i> sp.) Sensitive fern Horsebrier	-	-	Yes	Yes
4VV	04-DD	PFO	Wetland 4VV is a PFO located east of the I-495 outer loop and south of Darcy Road that abuts Waters 4E.	Sweet-gum Red maple Deer-tongue rosette grass Virginia-creeper Horsebrier	-	-	Yes	Yes
4VVV	04-F	PFO	Wetland 4VVV is a PFO located west of the I-495 inner loop and south of Darcy Road that drains into Waters 4UUU.	Red maple Smooth winterberry (<i>Ilex laevigata</i>) Possumhaw (<i>Viburnum nudum</i>) Green hawthorn (<i>Crataegus viridis</i>) White grass Japanese honeysuckle	-	-	Yes	Yes
4VVVV	-	PEM	Wetland 4VVV is a PEM located southeast of the I-495 outer loop and west of Chestnut Oak Lane.	Lamp rush Wand panic grass Rough barnyard grass Chinese bush-clover (<i>Lespedeza cuneata</i>)	-	-	Yes	Yes
4W	W7PG	Perennial	Waters 4W is a perennial channel located south of Ritchie Marlboro Road and west of the terminus of Chestnut Oak Lane that flows west through culverts under I-495 and an access road and continues beyond the study area into the main stem of Ritchie Branch.	-	Gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
4W_1							Yes	Yes
4W_2							Yes	Yes
4W_C							Yes	Yes
4W_C1							Yes	Yes
4WW	-	PFO	Wetland 4WW is a PFO located east of the I-495 outer loop and west of Sansbury Road.	Black willow	-	-	Yes	Yes
4WWW	W125PG	PFO	Wetland 4WWW is a PFO swale located within the northwest cloverleaf of the MD 4/I-495 interchange that abuts Waters 3LL.	Willow oak Red maple Eastern poison ivy Arrow-leaf tearthumb (<i>Persicaria sagittata</i>)	-	-	Yes	Yes
4WWWW	-	PEM	Wetland 4WWWW is a PEM located southeast of the I-495 outer loop and west of Chestnut Oak Lane.	Broad-leaf cat-tail Wand panic grass Rough barnyard grass Straw-color flat sedge (<i>Cyperus strigosus</i>)	-	-	Yes	Yes
4X	-	Ephemeral	Waters 4X is an ephemeral channel located east of the I-495 outer loop and northeast of Darcy Road that flows north from Wetland 4YY into Waters 4W.	-	Cobble, gravel, sand Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4XX	-	PFO	Wetland 4XX is a PFO located east of the I-495 outer loop and north of Darcy Road that abuts Waters 4T.	Red maple Sweet-gum Rice cut grass Horsebrier Japanese honeysuckle	-	-	Yes	Yes
4XXX	-	PFO	Wetland 4XXX is a PFO swale located within the northwest cloverleaf of the MD 4/I-495 interchange that abuts Waters 4YYY.	Sweet-gum American elm Groundseltree Three-square Wand panic grass	-	-	Yes	Yes
4XXXX	-	POW	Waters 4XXXX is a POW located east of the I 495 outer loop and west of West Grove, adjacent to Wetland 4YYYY, and upstream of Waters 4NN.	-	Silt, sand, gravel Width: 65 ft Length: 90 ft	Right: Scrub-shrub Left: Scrub-shrub	Yes	Yes
4Y	-	Ephemeral	Waters 4Y is an ephemeral channel located east of the I-495 outer loop and west of Bauman Drive that flows northeast into Waters 4Z.	-	Cobble, gravel, sand, riprap Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
4Y_D							Yes	No
4YY	-	PSS	Wetland 4YY is a wetland PSS located east of the I-495 outer loop and west of Sansbury Road that abuts Wetland 4ZZ.	Black willow Brookside alder Rice cut grass Arrow-leaf tearthumb	-	-	Yes	Yes
4YYY	-	Intermittent	Waters 4YYY is a concrete-lined, intermittent channel located within the northwest cloverleaf of the MD 4/I-495 interchange that flows southeast into Waters 3LL.	-	Concrete Width: 2 ft Depth: 1 ft	Right: forest, paved road Left: forest, tall grass	Yes	Yes
4YYYY	-	PSS	Wetland 4YYYY is a PSS located east of the I 495 outer loop and west of West Grove, downstream of Waters 4ZZZZ, upstream of Waters 4NN, and surrounds Waters 4XXXX.	Sweet-gum Lamp rush Japanese stilt grass	-	-	Yes	Yes
4Z	-	Perennial	Waters 4Z is a perennial channel originating east of the I-495 outer loop and west of Bauman Drive that flows northeast through several pipes in the southeast and northeast quadrants of the I-495/Ritchie Marlboro Road intersection and continues northeast beyond the study area.	-	Cobble, sand, gravel Width: 4-15 ft Depth: 3-6 ft	Right: forest Left: forest	Yes	Yes
4Z_1	04-O						Yes	Yes
4Z_2	04-O						Yes	Yes
4Z_3	04-O						Yes	Yes
4Z_C	-						Yes	Yes
4Z_C1	04-O						Yes	Yes
4Z_C2	04-O						Yes	Yes
4ZZ	-	PFO	Wetland 4ZZ is a PFO located east of the I-495 outer loop and west of Sansbury Road that abuts Wetland 4YY.	Sweet-gum Ash-leaf maple Highbush blueberry Tuliptree Brookside alder Cinnamon fern New York fern	-	-	Yes	Yes
4ZZZ	W19PG	PFO	Wetland 4ZZZ is a PFO located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop.	Red maple Sweet-gum Black willow Sweet-bay Eastern marsh fern (<i>Thelypteris palustris</i>) Rice cut grass Horsebrier	-	-	Yes	Yes
4ZZZZ	-	Ephemeral	Waters 4ZZZZ is an ephemeral channel located east of the I-495 outer loop and west of West Grove, and flows from Wetland 4AAAAA to Wetland 4YYYY.	-	Silt, sand, gravel Width: 1-2 ft Depth: 0.5-1 ft	Right: Scrub-shrub and old field Left: Scrub-shrub and old field	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 5								
5A	04-P	PFO	Wetland 5A is a PFO swale located in the northeast quadrant of the I-495/Ritchie Marlboro Road intersection that abuts Waters 4Z.	Sweet-gum Bitter-nut hickory (<i>Carya cordiformis</i>) Leafy bulrush Japanese stilt grass Asiatic tearthumb (<i>Persicaria perfoliata</i>)	-	-	Yes	Yes
5AA	-	PSS	Wetland 5AA is a PSS located in the southwest quadrant of the I-495/MD 214 intersection that abuts Wetland 5Z.	Sweet-gum Groundseltree Shallow sedge Purple loosestrife (<i>Lythrum salicaria</i>)	-	-	Yes	Yes
5B	04-S	Intermittent	Waters 5B is an intermittent and ephemeral channel with an abutting wetland located in the northeast quadrant of the I-495/ Ritchie Marlboro Road intersection. Waters 5B becomes an intermittent channel prior to its confluence with Waters 4Z.	-	Silt, sand Width: 2-5 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
5B_1	-	Ephemeral					Yes	No
5BB	-	Intermittent	Waters 5BB is an intermittent channel located in the southwest quadrant of the I-495/MD 214 intersection that originates at a culvert draining a bioswale along I-495 and flows south into Wetland 5Z.	-	Silt, sand, gravel Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
5C	04-R	PFO	Wetland 5C is a PFO located in the northeast quadrant of the I-495/Ritchie Marlboro Road intersection that abuts Waters 5B.	Red maple American elm Green ash Sweet-gum White grass River-bank grape Eastern poison ivy Horsebrier	-	-	Yes	Yes
5CC	-	PFO	Wetland 5CC is a PFO located west of the I-495 inner loop and southeast of Edgeworth Drive that abuts Wetland 5DD.	Sweet-gum American sycamore Common pawpaw Red maple Eastern poison ivy	-	-	Yes	Yes
5DD	-	PEM	Wetland 5DD is a PEM located west of the I-495 inner loop and southeast of Edgeworth Drive that abuts Wetland 5CC.	Common persimmon Pennsylvania blackberry (<i>Rubus pensilvanicus</i>) Shallow sedge Lamp rush Tall goldenrod (<i>Solidago altissima</i>) White snakeroot (<i>Ageratina altissima</i>)	-	-	Yes	Yes
5E	04-A	PSS	Wetland 5E is a PSS located in the northwest quadrant of the I-495/Ritchie Marlboro Road intersection.	Black willow Sensitive fern	-	-	Yes	Yes
5EE		POW	Waters 5EE is a POW stormwater management pond located west of I-495 inner loop and southeast of Edgeworth Drive.	-	Silt, sand, and muck Width: 80 ft Length: 500 ft	Right: forest Left: Forest	Yes	Yes
5F	04-U	Perennial	Waters 5F is a perennial channel located east and west of I-495 between Castlewood Drive and Alaking Court that flows east through a culvert under I-495.	-	Silt, sand, riprap Width: 3-5 ft Depth: 4-12 in	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
5F_1							Yes	Yes
5F_C							Yes	Yes
5F_C1							Yes	Yes
5FF	-	Intermittent	Waters 5FF is an intermittent channel located west of the I-495 inner loop and southeast of Edgeworth Drive that flows east to a culvert under I-495 into Waters 5P.	-	Silt, sand, concrete Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
5FF_C							Yes	Yes
5G	-	PSS	Wetland 5G is a PSS located west of the exit ramp from the I-495 inner loop to Ritchie Marlboro Road and east of Alaking Court, in the floodplain of Waters 5F.	Black willow Rice cut grass Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

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5GG	-	PFO	Wetland 5GG is a PFO located west of the I-495 inner loop and southeast of Edgeworth Drive that abuts Waters 5FF.	Sweet-gum Black elder Ash-leaf maple Sensitive fern Small-spike false nettle Japanese honeysuckle Asian bittersweet Horsebrier	-	-	Yes	Yes
5H	-	Perennial	Waters 5H is a perennial channel located west of the I-495 inner loop and north of Alaking Court that flows south along the study area.	-	Silt, sand, riprap Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
5HH	-	Intermittent	Waters 5HH is an intermittent channel located east of the I-495 outer loop and north of Pritchard Lane that originates at a culvert along I-495 and flows northeast outside the study area.	-	Silt, sand, gravel, muck, riprap Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5I	-	PFO	Wetland 5I is a PFO located west of the I-495 inner loop and north of Alaking Court, in the floodplain of Waters 5H.	Common pawpaw Ash-leaf maple Northern spicebush Spotted touch-me-not (<i>Impatiens capensis</i>) Small-spike false nettle Asian bittersweet Unknown grape species	-	-	Yes	Yes
5II	05-I	PFO	Wetland 5II is a PFO located east of the I-495 outer loop and north of Pritchard Lane that abuts Wetland 5LL and Waters 5HH.	Ash-leaf maple Sweet-gum Common persimmon Japanese stilt grass Eastern poison ivy Unknown grape species	-	-	Yes	Yes
5J	-	Intermittent	Waters 5J is an intermittent channel located east of the I-495 outer loop and southwest of Castlewood Drive that begins at a culvert and flows south into Waters 5F.	-	Silt, sand, cobble, riprap Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5JJ	-	Ephemeral	Waters 5JJ is an ephemeral channel located east of the I-495 outer loop and north of Pritchard Lane that flows east from a culvert along I-495 into Wetland 5II.	-	Silt, cobble, sand, gravel, riprap Width: 5 ft Depth: 20 ft	Right: forest Left: forest	Yes	No
5K	04-V	PFO	Wetland 5K is a PFO located east of the I-495 outer loop and southwest of Castlewood Drive that abuts Waters 5F.	Green ash American sycamore Red maple Sweet-gum Common reed Japanese honeysuckle Virginia-creeper	-	-	Yes	Yes
5KK	-	Intermittent	Waters 5KK is an intermittent channel located east of the I-495 outer loop and southwest of Prince Place that flows east from a culvert along I-495 into Wetland 5II.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5L	-	PFO	Wetland 5L is a PFO seep located east of the I-495 outer loop and southwest of Castlewood Drive that abuts Waters 5N and 5F.	Black willow American sycamore Ash-leaf maple Sweet-gum Harvestlice (<i>Agrimonia parviflora</i>) Shallow sedge Amur peppervine	-	-	Yes	Yes
5LL	-	PEM	Wetland 5LL is a PEM located east of the I-495 outer loop and southwest of Prince Place that abuts Wetland 5II.	Reed canary grass Japanese stilt grass Rambler rose	-	-	Yes	Yes

Wetland and Waterway Features Table

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5M	-	PEM	Wetland 5M is a PEM seep located east of the I-495 outer loop and southwest of Castlewood Drive that abuts Wetland 5L and Waters 5F.	Lamp rush Shallow sedge Amur peppervine	-	-	Yes	Yes
5MM	-	Intermittent	Waters 5MM is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows west from outside the study area into Waters 6G.	-	Silt, sand, muck Width: 6 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5N	-	Intermittent	Waters 5N is an intermittent channel located east of the I-495 outer loop and southwest of Castlewood Drive that flows south through Wetland 5L into Waters 5F.	-	Sand, gravel, riprap Width: 4 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5NN	-	Intermittent	Waters 5NN is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows west from outside the study area into Waters 6G.	-	Silt, sand Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5O	05-E	Ephemeral	Waters 5O is an ephemeral channel located east of the I-495 outer loop and southwest of Pritchard Lane that originates from a concrete culvert under I-495 north and flows north into Waters 5P.	-	Silt, sand, cobble Width: 2-4 ft Depth: 6 in – 1 ft	Right: forest Left: forest	Yes	No
5OO	-	Intermittent	Waters 5OO is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows west from outside the study area into Waters 6G.	-	Silt, sand Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5P	-	Intermittent	Waters 5P is an intermittent channel located east of the I-495 outer loop and southwest of Pritchard Lane that originates at a headcut within Waters 5O and flows north into a storm drain along I-495.	-	Sand, gravel Width: 3-4 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
5PP	-	Intermittent	Waters 5PP is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows east from a culvert along I-495 into Waters 6G.	-	Silt, sand, concrete Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5PP_C							Yes	Yes
5Q	05-H	Perennial	Waters 5Q is a perennial channel located along the western side of the on-ramp from MD 214 to I-495 south that originates at a culvert, abuts Wetland 5R, and flows parallel to the on-ramp until it converges with Waters 5S.	-	Silt, sand, cobble, riprap Width: 2-20 ft Depth: 1 ft	Right: paved road Left: paved road	Yes	Yes
5Q_C							Yes	Yes
5QQ	-	Intermittent	Waters 5QQ is an intermittent channel located west of the exit ramp from the I-495 outer loop to MD 214 that flows from Wetland 5UU through a culvert under the exit ramp into Waters 6G.	-	Concrete Width: 3 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5QQ_2							Yes	Yes
5QQ_C							Yes	Yes
5R	-	PEM	Wetland 5R is a PEM located along the western side of the on-ramp from MD 214 to the I-495 inner loop, in the floodplain of Waters 5Q.	Black willow Rice cut grass Eastern poison ivy Trumpet-creeper (<i>Campsis radicans</i>)	-	-	Yes	Yes
5RR	-	PFO	Wetland 5RR is a PFO located east of the exit ramp from the I-495 outer loop to MD 214 that abuts Waters 6G.	Ash-leaf maple Northern spicebush Japanese stilt grass Purple-stem American-aster (<i>Symphyotrichum puniceum</i>) Horsebrier Japanese honeysuckle	-	-	Yes	Yes
5S	W120PG	Perennial	Waters 5S is the mainstem of Southwest Branch, a perennial channel located south of the I-495/MD 214 interchange that flows east through a culvert under I-495 and continues southeast beyond the study area.	-	Sand, gravel, concrete Width: 10-30 ft Depth: 5 ft	Right: forest, commercial Left: forest, commercial	Yes	Yes
5S_1							Yes	Yes
5S_B							Yes	Yes

Wetland and Waterway Features Table

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5SS	-	Ephemeral	Waters 5SS is an ephemeral channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows east from a culvert along I-495 into Waters 6G.	-	Silt, sand Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
5T	-	Perennial	Waters 5T is a perennial channel located along the western side of the on-ramp from MD 214 to the I-495 inner loop that flows parallel to Waters 5Q and into Waters 5S.	-	Sand, gravel, concrete Width: 3-4 ft Depth: 6 – 12 in	Right: commercial Left: forest	Yes	Yes
5TT	-	PEM	Wetland 5TT is a PEM located east of the exit ramp from the I-495 outer loop to MD 214 that abuts Waters 6G.	Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
5UU	-	PSS	Wetland 5UU is a PSS located west of the exit ramp from the I-495 outer loop to MD 214 that abuts Waters 5QQ.	Ash-leaf maple Red maple Broad-leaf cat-tail Purple loosestrife Amur peppervine	--		Yes	Yes
5V	-	PEM	Wetland 5V is a PEM swale located within the southeast quadrant of the I-495/MD 214 interchange.	Broad-leaf-cat-tail Unknown grass species (<i>Poaceae</i> sp.)	-	-	Yes	Yes
5W	05-C	Intermittent	Waters 5W is an intermittent channel located within the southeast quadrant of the I-495/MD 214 interchange that flows west into Waters 6G.	-	Silt, sand, cobble, gravel, riprap Width: 3 ft Depth: 1 in	Right: mowed lawn Left: forest	Yes	Yes
5W_1		Ephemeral					Yes	No
5X	W147PG	PFO	Wetland 5X is a PFO located in the southeast quadrant of the I-495/MD 214 intersection.	Red maple Black tupelo Green ash Sweet-gum Common reed Amur peppervine	-	-	Yes	Yes
5Y	-	Ephemeral	Waters 5Y is an ephemeral channel located in the southeast quadrant of the I-495/MD 214 intersection that flows northeast into Wetland 5X.	-	Sand Width: 1-3 in Depth: 6 in	Right: forest Left: forest	Yes	No
5Z	-	PFO	Wetland 5Z is a PFO located in the southwest quadrant of the I-495/MD 214 intersection that abuts Wetland 5AA.	Loblolly pine (<i>Pinus taeda</i>) Sweet-gum	-	-	Yes	Yes
Subsegment 6								
6A	W132PG	PFO	Wetland 6A is a PFO located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6G.	American sycamore Ash-leaf maple Green ash Sweet-gum Rice cut grass Fowl manna grass Frost grape	-	-	Yes	Yes
6AA	-	Intermittent	Waters 6AA is an intermittent channel located northeast of the on ramp from Arena Drive to the I-495 outer loop that flows east from a culvert under I-495 into Waters 6G.	-	Sand, gravel, riprap Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6AAA	05-F	Intermittent	Waters 6AAA is an intermittent ditch and culvert located under the Metro bridge, west of the I-495 inner loop and southeast of the intersection of Brightseat Road and Congress Place, that flows northeast through a concrete culvert under I-495 into Waters 6G. Water 6FFFF_2 outputs to Waters 6AAA_1 before Waters 6AAA_1 flows into 6AAA_C1.	-	Silt, sand, riprap Width: 2-4 ft Depth: 6 in – 1 ft	Right: forest, paved road Left: forest, emergent vegetation	No	Yes
6AAA_1							Yes	Yes
6AAA_B							No	Yes
6AAA_C							No	Yes
6AAA_C1							Yes	Yes
6AAAA	-	Ephemeral	Waters 6AAAA is an ephemeral channel located west of I-495 and south of MD 202 that flows east from a commercial parking lot into Waters 6UU.	-	Sand, gravel Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	No
6B	W155PG	Perennial	Waters 6B is a perennial channel located east of the I-495 outer loop and west of Shoppers Way that flows east from an outfall structure into Waters 6G.	-	Sand, gravel, concrete Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

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6BB	-	Intermittent	Waters 6BB is an intermittent channel located east of the exit ramp from the I-495 outer loop to Arena Drive that flows northwest from a stormwater management pond outside the study area into Waters 6G.	-	Silt, sand, gravel, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6BB_C							Yes	Yes
6BBBB	W159PG	Intermittent	Waters 6BBBB is an intermittent channel roadside drainage channel located west of I-495 and south of MD 202 that flows east under I-495 to Waters 6G.	-	Silt, sand Width: 3 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
6BBBB_C							Yes	Yes
6C	W133PG	PFO	Wetland 6C is a PFO located east of the I-495 outer loop and northwest of N. Harry S. Truman Drive that abuts Waters 6G and 6B.	River birch Ash-leaf maple Green ash Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
6CC	-	PFO	Wetland 6CC is a PFO swale located east of the exit ramp from the I-495 outer loop to Arena Drive that abuts Waters 6BB.	Green ash Common pawpaw Northern spicebush Eastern poison ivy Frost grape Horsebrier	-	-	Yes	Yes
6CCC	-	PEM	Wetland 6CCC is a PEM swale located in the northwest quadrant of the I-495/MD 214 interchange.	Lamp rush Canadian rush (<i>Juncus canadensis</i>) Amur peppervine	-	-	Yes	Yes
6CCCC	-	PFO	Wetland 6CCCC is a PFO ditch located west of I-495 and south of MD 202.	Black willow American elm Green ash Rambler rose Spotted touch-me-not Eastern poison ivy Frost grape	-	-	Yes	Yes
6D	-	Intermittent	Wetland 6D is an intermittent channel located east of the I-495 outer loop and west of Shoppers Way that flows east from a culvert under I-495 into Waters 6G.	-	Silt, sand, riprap Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
6DD	-	PFO	Wetland 6DD is a PFO swale located east of the exit ramp from the I-495 outer loop to Arena Drive that abuts Waters 6BB.	Green ash Sweet-gum Eastern poison ivy White grass Virginia-creeper	-	-	Yes	Yes
6DDD	-	POW	Waters 6DDD is a beaver impounded POW system located east of I-495 and south of MD 202, on the north side of the on ramp from I-495 outer loop to MD 202 eastbound.	-	Silt, sand Length: 360 ft Width: 115 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
6DDD_C		Intermittent					Yes	Yes
6E	W135PG	PFO	Wetland 6E is a PFO swale located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6G.	American elm Pin oak Green ash Netted chain fern Eastern poison ivy Horsebrier	-	-	Yes	Yes
6EE	-	Intermittent	Waters 6EE is an intermittent channel located northeast of the on ramp from Central Avenue to the I-495 outer loop that flows southeast from outside the study area into Waters 6G.	-	Sand, cobble, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6EEE	-	Intermittent	Waters 6EEE is an intermittent channel located east of I-495 and south of MD 202 on the north side of the on ramp from the I-495 outer loop to MD 202 eastbound that flows southwest into Waters 6DDD.	-	Cobble, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

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6F	-	PFO	Wetland 6F is a PFO located east of the I-495 outer loop and west of Shoppers Way that drains southeast to Waters 6G.	Red maple American elm Sweet-gum Green ash Northern spicebush Eastern poison ivy Sweet wood-reed Horsebrier	-	-	Yes	Yes
6FF	-	PEM	Wetland 6FF is a PEM located northeast of the on ramp from Central Avenue to the I-495 outer loop that is encompassed by Wetland 6Q.	Reed canary grass	-	-	Yes	Yes
6FFF	05-L	PEM	Wetland 6FFF is a PEM located west of the exit ramp from the I-495 inner loop to MD 214 west.	Sweet-gum Lamp rush Rambler rose Leafy bulrush Virginia-creeper Eastern poison ivy Unknown grape species	-	-	Yes	Yes
6FFFF	-	Intermittent	Waters 6FFFF is an intermittent channel located west of the I 495 inner loop and southeast of the intersection of Brightseat Road and Congress Place that flows east through several culverts into Waters 6AAA	-	Silt, sand Width: 3 ft Depth: 4 in	Right: Forest Left: Forest	Yes	Yes
6FFFF_1							Yes	Yes
6FFFF_2							Yes	Yes
6FFFF_C							Yes	Yes
6FFFF_C1							Yes	Yes
6G	06-D	Perennial	Waters 6G is a perennial channel and unnamed tributary to Southwest Branch Western Branch Patuxent River located east of the I-495 outer loop. Waters 6G flows south through the study area along I-495, from north of the Landover Road/I-495 interchange and into Waters 5S, which is the Southwest Branch Western Branch Patuxent River. Waters 6G flows through subsegments 5, 6, and 7.	-	Silt, sand, gravel Width: 20 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
6G_1	06-D						Yes	Yes
6G_2	W150PG						Yes	Yes
6G_3	W150PG						Yes	Yes
6G_4	W150PG						Yes	Yes
6G_5	W150PG						Yes	Yes
6G_6	W150PG						Yes	Yes
6G_B	06-D						Yes	Yes
6G_C	06-D						Yes	Yes
6G_C1	W150PG						Yes	Yes
6G_C2	W150PG						Yes	Yes
6G_C3	W150PG						Yes	Yes
6G_C4	W150PG						Yes	Yes
6GG	-	PFO	Wetland 6GG is a PFO located northeast of the on ramp from Central Avenue to the I-495 outer loop that abuts Waters 6HH.	Red maple American sycamore Sweet-gum American hornbeam Virginia-creeper Northern spicebush Horsebrier	-	-	Yes	Yes
6GGG	-	Intermittent	Waters 6GGG is an intermittent channel located in the western quadrants of the MD 214/I-495 interchange that flows through Wetlands 6HHH and 6QQQ, then flows south through multiple culverts under MD 214 and I-495 ramps and outfalls to Waters 5Q. Waters 6GGG flows through subsegments 5 and 6.	-	Silt, sand Width: 4 ft Depth: 3 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
6GGG_1							Yes	Yes
6GGG_C							Yes	Yes
6GGG_C1							Yes	Yes
6GGG_C2							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6GGGG	-	PFO	Wetland 6GGGG is a PFO located west of the I 495 inner loop and southeast of the intersection of Brightseat Road and Congress Place that abuts Waters 6FFFF.	Red maple Sweet-gum Northern spicebush Horsebrier Japanese honeysuckle	-	-	Yes	Yes
6H	-	PEM	Wetland 6H is a series of PEM located in the floodplain of Waters 6G, south of the culvert under the exit ramp from the I-495 outer loop to Arena Drive.	Black elder Ash-leaf maple Reed canary grass Crimson-eyed rose-mallow Amur peppervine	-	-	Yes	Yes
6HH	-	Perennial	Waters 6HH is a perennial channel located northeast of the on ramp from Central Avenue to the I-495 outer loop that flows west from outside the study area into Waters 6G.	-	Sand, clay Width: 8 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
6HHH	-	PFO	Wetland 6HHH is a PFO located in the northwest quadrant of the MD 214/I-495 interchange, in the floodplain of Waters 6GGG.	Sweet-gum Red maple Virginia pine Lamp rush Japanese honeysuckle	-	-	Yes	Yes
6I	W130PG	PFO	Wetland 6I is a PFO located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6G.	Green ash Ash-leaf maple Sweet wood-reed Lamp rush Pointed broom sedge Eastern poison ivy Fox grape	-	-	Yes	Yes
6II	-	PFO	Wetland 6II is a PFO located east of the on ramp from Arena Drive to the I-495 outer loop that abuts Waters 6G and 6R.	Red maple River birch Sweet-gum Green ash Virginia-creeper Eastern poison ivy Small-spike false nettle Asian bittersweet	-	-	Yes	Yes
6III	05-A	Intermittent	Waters 6III is an intermittent channel located west of the I-495 inner loop and northeast of Continental Place that flows south along I-495 into a culvert under I-495 and east into Waters 6B.	-	Cobble, muck, riprap Width: 6 ft Depth: 1 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
6III_C							Yes	Yes
6J	W154PG	Ephemeral	Waters 6J is an ephemeral channel located east of the I-495 outer loop and west of Shoppers Way that flows east from Wetland 6K into Waters 6G.	-	Silt, sand, muck Width: 6 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
6JJJ	05-B	Perennial	Waters 6JJJ is a perennial channel located west of the I-495 inner loop and northeast of Continental Place that originates from a culvert under the soundwall, converges with Waters 6III through a 36-inch culvert under I-495 south, and drains east to Waters 6B.	-	Cobble, silt, riprap Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6JJJ_C							Yes	Yes
6K	-	PFO	Wetland 6K is a PFO located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6J.	Sweet-gum American elm Green ash Eastern poison ivy Sweet wood-reed Fox grape Horsebrier	-	-	Yes	Yes
6KK	-	Intermittent	Waters 6KK is an intermittent channel located northeast of the on ramp from Central Avenue to the I-495 outer loop that flows west from Wetland 6LL into Waters 6G.	-	Sand, gravel Width: 1 ft Depth: 6 in – 2 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6KKK	W145PG	PEM	Wetland 6KKK is a PEM ditch located west of the I-495 inner loop and north of Continental Place that abuts Waters 6LLL.	Black willow Spotted water hemlock (<i>Cicuta maculata</i>) Rice cut grass Broad-leaf cat-tail	-	-	Yes	Yes
6L	W164PG	Intermittent	Waters 6L is an intermittent channel drainage ditch located east of the I-495 outer loop and west of N. Harry S. Truman Drive that flows east from an outfall structure along I-495 into Waters 6G.	-	Sand, gravel, riprap Width: 4 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
6LL	-	PFO	Wetland 6LL is a PFO swale located northeast of the on ramp from Central Avenue to the I-495 outer loop that abuts Waters 6KK.	Sweet-gum American sycamore American hornbeam Green ash Sweet wood-reed Eastern poison ivy Japanese stilt grass Horsebrier	-	-	Yes	Yes
6LLL	06-B	Perennial	Waters 6LLL is a perennial channel located west of the I-495 inner loop and south of Arena Drive that flows north from a business development storm drain to Waters 6MMM.	-	Silt, cobble, sand, gravel, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6M	-	Perennial	Waters 6M is a perennial channel located east of the I-495 outer loop and west of N. Harry S. Truman Drive that flows west from outside the study area into Waters 6G.	-	Silt, sand, gravel Width: 10 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
6MM	-	Ephemeral	Waters 6MM is an ephemeral channel that originates within the northeast quadrant of the I-495/MD 214 interchange and flows northeast through a culvert under the I-495 on ramp into Waters 6G.	-	Silt, sand Width: 1.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
6MM_1							Yes	No
6MM_C							Yes	No
6MMM	06-C	Perennial	Waters 6MMM is a perennial channel that originates west of the I-495 inner loop and south of Arena Drive that flows east through a culvert under I-495 into Wetland 6G.	-	Silt, sand, cobble Width: 6-10 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
6MMM_1							Yes	Yes
6MMM_C							Yes	Yes
6N	-	PEM	Wetland 6N is a PEM located east of the I-495 outer loop and west of N. Harry S. Truman Drive that abuts Waters 6G.	Common pawpaw Ash-leaf maple Japanese stilt grass Asiatic tearthumb Amur peppervine	-	-	Yes	Yes
6NN	-	Intermittent	Waters 6NN is an intermittent channel located east of the I-495 outer loop and southwest of the McCormick Drive/Peppercorn Place intersection that flows south from Wetland 6OO into Waters 6G.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest, emergent vegetation Left: forest	Yes	Yes
6NNN	-	Intermittent	Waters 6NNN is an intermittent channel located west of the I-495 inner loop and south of Arena Drive that flows northeast from Wetland 6OOO into Waters 6MMM.	-	Sand, gravel Width: 2 ft Depth: 3-6 in	Right: forest Left: forest	Yes	Yes
6NNN_1							Yes	Yes
6NNN_C							Yes	Yes
6O	-	Ephemeral	Waters 6O is an ephemeral channel located east of the I-495 outer loop and west of N. Harry S. Truman Drive that abuts Wetland 6N and flows southwest from outside the study area into Waters 6G.	-	Silt, sand Width: 2-6 in Depth: 6 in – 2 ft	Right: forest Left: forest	Yes	No
6OO	-	PEM	Wetland 6OO is a series of PEM floodplain depressions located east of the I-495 outer loop and west of McCormick Drive that abut Wetland 6Y and form a broad wetland complex along Waters 6G.	Rice cut grass	-	-	Yes	Yes
6OOO	-	PFO	Wetland 6OOO is a PFO located west of the I-495 inner loop and south of Arena Drive that abuts Waters 6NNN.	American elm Allegheny blackberry (<i>Rubus allegheniensis</i>) Spotted touch-me-not Eastern poison ivy Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6P	-	PFO	Wetland 6P consists of two palustrine forested wetlands (PFO) located east of the I-495 outer loop and west of N. Harry S. Truman Drive that abut Waters 6G.	Sweet-gum Ash-leaf maple American elm Common pawpaw Northern spicebush Jumpseed (<i>Persicaria virginiana</i>) Eastern poison ivy Frost grape	-	-	Yes	Yes
6PP	-	PFO	Wetland 6PP is a PFO located northeast of the on ramp from Central Avenue to the I-495 outer loop that abuts Waters 6HH.	Pin oak Red maple Green ash Sweet-gum Japanese stilt grass Fowl manna grass Eastern poison ivy Horsebrier Trumpet-creeper	-	-	Yes	Yes
6PPP	W143PG	PFO	Wetland 6PPP is a PFO located west of the I-495 inner loop, north and south of Arena Drive.	Sweet-gum American elm Black willow Rambler rose Common reed Eastern poison ivy	-	-	Yes	Yes
6Q	-	PFO	Wetland 6Q is a series of PFOs located east of the I-495 outer loop and west of Largo Drive West, in the floodplain of Waters 6G.	Sweet-gum American elm Green ash Japanese stilt grass	-	-	Yes	Yes
6QQ	W139PG	PFO	Wetland 6QQ is a PFO located within the northeast quadrant of the I-495/MD 214 interchange.	Green ash Virginia-creeper Dotted smartweed (<i>Persicaria punctata</i>) Shallow sedge Lamp rush	-	-	Yes	Yes
6QQQ	-	PEM	Wetland 6QQQ is a PEM located within the northwest quadrant of the MD 214/I-495 interchange that abuts Wetland 6HHH.	Lamp rush Japanese stilt grass	-	-	Yes	Yes
6R	-	Ephemeral	Waters 6R is an ephemeral channel located east of the on ramp from westbound Arena Drive to the I-495 outer loop that becomes an intermittent channel as it flows north and dissipates into Wetland 6II.	-	Silt, cobble, sand Width: 2-3 ft Depth: 1 ft	Right: forest, industrial/commercial Left: forest, paved road	Yes	No
6R_1	-	Intermittent					Yes	Yes
6RR	-	PEM	Wetland 6RR is a PEM located within the northeast quadrant of the I-495/MD 214 interchange that abuts Wetland 6QQ.	Green ash Eastern poison ivy	-	-	Yes	Yes
6RRR	W158PG	Intermittent	Waters 6RRR is an intermittent channel located west of the I-495 inner loop and south of MD 202 that flows southeast under I-495 into Waters 6TT.	-	Silt, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest, paved road	Yes	Yes
6RRR_C							Yes	Yes
6RRR_D							No	Yes
6S	-	PEM	Wetland 6S is a PEM ditch located west of the exit ramp from the I-495 inner loop to Arena Drive.	Common reed	-	-	Yes	Yes
6SS	-	Intermittent	Waters 6SS is an intermittent channel located east of the I-495 outer loop and west of the McCormick Drive/Peppercorn Place intersection that flows west from a pipe culvert along the UMUC parking lot, through Wetlands 6Y and 6OO, and into Waters 6G.	-	Sand, cobble, gravel, riprap Width: 3 ft Depth: 6 in	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
6SS_C							Yes	Yes
6SSS	W142PG	PEM	Wetland 6SSS is a small PEM located west of the I-495 inner loop and north of Arena Drive.	Sweet-gum Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6T	-	Intermittent	Waters 6T is an intermittent channel located within the southeast quadrant of the Arena Drive/I-495 interchange that flows south from Wetland 6U into Waters 6G.	-	Sand, cobble, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6TT	-	Perennial	Waters 6TT is a perennial channel located east of the I-495 outer loop and southwest of the terminus of Basil Court that flows east from a culvert under the exit ramp from the I-495 outer loop to Landover Road and into Waters 6G.	-	Silt, cobble, sand, gravel Width: 6 ft Depth: 1 ft	Right: forest Left: emergent vegetation	Yes	Yes
6TTT	W160PG	Intermittent	Waters 6TTT is an intermittent channel roadside drainage channel located west of the I-495 inner loop and north of Arena Drive that flows east under I-495 into Waters 6AA.	-	Silt, cobble, sand, gravel, concrete, riprap Width: 3 ft Depth: 4 in	Right: forest Left: tall grass	Yes	Yes
6TTT_C							Yes	Yes
6U	W131PG	PFO	Wetland 6U is a series of PFO swales located within the eastern quadrants of the Arena Drive/I-495 interchange, north of a stormwater management pond and within the floodplain of Waters 6G.	Black willow Green ash White grass Reed canary grass Japanese honeysuckle	-	-	Yes	Yes
6UU	-	Intermittent	Waters 6UU is an intermittent channel that begins south of the on ramp from Landover Road to the I-495 inner loop at Waters 6AAAA, flows east through a culvert under I-495, and dissipates into Wetland 6Y.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6UU_1							Yes	Yes
6UU_C							Yes	Yes
6UUU	-	Intermittent	Waters 6UUU is an intermittent channel located west of the I-495 inner loop and north of Arena Drive that flows east through Wetland 6VV into Waters 6TTT.	-	Silt, cobble, sand Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6V	-	Ephemeral	Waters 6V is an ephemeral channel located within the northeast quadrant of the Arena Drive/I-495 interchange that flows south through Wetland 6U.	-	Sand, cobble, gravel Width: 2 ft Depth: 4 in	Right: forest Left: forest	Yes	No
6VV	W148PG	PFO	Wetland 6VV is a PFO located in the southeast cloverleaf of the I-495/MD 202 interchange that abuts Waters 6WW.	Red maple American elm Green ash Eastern poison ivy	-	-	Yes	Yes
6VVV	-	PFO	Wetland 6VVV is a PFO located west of the I-495 inner loop and north of Arena Drive, in the floodplain of Waters 6UUU.	American elm Sweet-gum Red maple White grass Sensitive fern Eastern poison ivy Amur peppervine	-	-	Yes	Yes
6WW	W163PG	Intermittent	Waters 6WW is an intermittent channel located in the southeast cloverleaf of the I-495/MD 202 interchange that originates at Wetland 6VV and flows southeast through a culvert under the on ramp from MD 202 to the I-495 outer loop into Waters 6DDD.	-	Silt, cobble, sand, gravel Width: 2.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6WW_C							Yes	Yes
6WWW	-	Ephemeral	Waters 6WWW is an ephemeral channel located west of the I-495 inner loop and north of Arena Drive that flows east into Waters 6TTT.	-	Silt, sand, gravel Width: 2-3 ft Depth: 2 ft	Right: forest Left: forest	Yes	No
6XX	-	Ephemeral	Waters 6XX is an ephemeral channel located in the southeast cloverleaf of the I-495/MD 202 interchange that flows northeast from a culvert along the on ramp from MD 202 to the I-495 outer loop into Wetland 6VV.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6XXX	-	PFO	Wetland 6XXX is a PFO located west of the I-495 inner loop and north of Arena Drive, on a hillslope adjacent to Waters 6TTT.	Red maple Sweet-gum Sweet wood-reed Eastern poison ivy Virginia-creeper Japanese honeysuckle Garlic-mustard (<i>Alliaria petiolata</i>)	-	-	Yes	Yes
6Y	W134PG	PFO	Wetland 6Y is a large PFO located east of the I-495 outer loop and south of MD 202, in the floodplain of Waters 6G.	Green ash Red maple Fowl manna grass Sweet wood-reed Reed canary grass Japanese stilt grass	-	-	Yes	Yes
6YY	-	Ephemeral	Waters 6YY is an ephemeral channel located in the southeast cloverleaf of the I-495/MD 202 interchange that flows southwest from a bioswale pipe outfall into Wetland 6ZZ.	-	Silt, sand, gravel, muck Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
6YYY	-	PEM	Wetland 6YYY is a PEM located on a hillslope west of the I-495 inner loop and north of Arena Drive that abuts Wetland 6XXX.	Red maple Sweet-gum River birch Japanese stilt grass	-	-	Yes	Yes
6Z	-	Intermittent	Waters 6Z is an intermittent channel located east of the I-495 outer loop and west of the McCormick Drive/Peppercorn Place intersection that flows northwest from a culvert along the University of Maryland University College (UMUC) parking lot, through Wetlands 6Y and 6OO, and into Waters 6G.	-	Sand, cobble, gravel Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6ZZ	-	PFO	Wetland 6ZZ is a PFO swale located in the southeast cloverleaf of the I-495/MD 202 interchange that abuts Waters 6WW.	American elm Green ash Callery pear Eastern poison ivy	-	-	Yes	Yes
6ZZZ	-	PFO	Wetland 6ZZZ is a PFO located southwest of the ramp from eastbound MD 202 to the I-495 inner loop, in the floodplain of Waters 6RRR.	Red maple American elm Sweet-gum Green ash Eastern poison ivy	-	-	Yes	Yes
Subsegment 7								
7A	06-A	Intermittent	Waters 7A is an intermittent channel located northwest of the I-495/MD 202 interchange that flows southeast from a business development storm drain to a pipe under I-495 and into Waters 7H.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7A_C							Yes	Yes
7AA	-	Intermittent	Waters 7AA is an intermittent channel located southwest of the US 50/I-495 interchange that flows west from Wetland 7KK into Waters 7S.	-	Silt, sand, cobble, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7B	W156PG	Ephemeral	Waters 7B is an ephemeral channel draining uplands located northwest of the I-495/MD-202 interchange that flows north into Waters 7A.	-	Silt, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
7BB	07-E	Intermittent	Waters 7BB is an intermittent channel located east of the I-495 outer loop and north of Glenarden Parkway that flows north from a non-jurisdictional concrete swale and through a culvert under a soundwall into Waters 7O.	-	Silt, concrete, muck Width: 4-5 ft Depth: 1 ft	Right: forest Left: tall grass	Yes	Yes
7BB_1							Yes	Yes
7BB_C							Yes	Yes
7BB_D							No	Yes
7C	-	PEM	Wetland 7C is a PEM located west of the I-495 inner loop and southeast of Reicher Street that drains southeast to Waters 7D.	Broad-leaf cat-tail Rice cut grass	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7CC	07-C	PEM	Wetland 7CC is a PEM located along the east side of the I-495 outer loop and north of Glenarden Parkway that abuts Waters 7BB.	Broad-leaf cat-tail	-	-	Yes	Yes
7D	-	Intermittent	Waters 7D is an intermittent channel located west of the I-495 inner loop and southeast of Reicher Street that flows southeast from Wetland 7C into Waters 7E.	-	Silt, sand Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
7DD	-	PFO	Wetland 7DD is a PFO located northeast of the on ramp from westbound MD 202 to the I-495 outer loop that abuts Wetland 7EE.	Sweet-gum Black willow Reed canary grass Asiatic tearthumb	-	-	Yes	Yes
7E	W89PG	Perennial	Waters 7E is a perennial channel located west of the I-495 inner loop and east of Reicher Street that flows south from Waters 7F into Waters 7G.	-	Silt, sand, muck Width: 3-4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7EE	-	PEM	Wetland 7EE is a PEM located northeast of the on ramp from westbound MD 202 to the I-495 outer loop, in the floodplain of Waters 6G.	Sweet-gum Reed canary grass Broad-leaf cat-tail Climbing hempvine Amur peppervine	-	-	Yes	Yes
7F	-	Intermittent	Waters 7F is an intermittent channel located west of the I-495 inner loop and east of Reicher Street that flows south from a culvert draining Wetland 7K into Waters 7E.	-	Concrete, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7F_C							Yes	Yes
7FF	-	PFO	Wetland 7FF is a PFO located east of the I-495 outer loop and north of 7th Street, in the floodplain of Waters 7II.	Red maple Southern arrow-wood Spotted touch-me-not	-	-	Yes	Yes
7G	W11PG	Perennial	Waters 7G is a perennial stream located east of the I-495 outer loop and west of the Woodmore Towne Centre that flows northwest from outside the study area to a culvert under an access road, and then southeast along I-495 to an additional culvert under I-495.	-	Silt, cobble, sand, gravel, concrete Width: 6 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7G_1							Yes	Yes
7G_2							Yes	Yes
7G_C							Yes	Yes
7G_C1							Yes	Yes
7GG	-	Intermittent	Waters 7GG is an intermittent channel located east of the I-495 outer loop and west of 7th Street that flows south into Waters 7JJ and abuts Wetland 7HH.	-	Sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7H	07-D	Intermittent	Waters 7H is an intermittent channel located west of the I-495 inner loop and east of Evarts Street that flows north from a storm water outfall draining I-495 to Waters 7G.	-	Silt, concrete, muck, leaves Width: 3-6 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
7HH	-	PFO	Wetland 7HH is a PFO located east of the I-495 outer loop and west of 7th Street, in the floodplain of Waters 7GG and 7JJ.	Black willow Red maple Northern spicebush Virginia-creeper Jumpseed	-	-	Yes	Yes
7I	-	Intermittent	Waters 7I is an intermittent channel located west of the I-495 inner loop and east of 5th Street that originates within Wetland 7J and flows south into a storm drain.	-	Muck Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7II	-	Intermittent	Waters 7II is an intermittent channel located east of the I-495 outer loop and north of 7th Street that flows southwest from outside the study area, through Wetland 7FF, and into Waters 7O.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7J	-	PFO	Wetland 7J is a PFO located west of the I-495 inner loop and east of 5th Street that drains south to Waters 7I.	American elm Sweet-gum Southern arrow-wood Sensitive fern Virginia-creeper Eastern poison ivy Horsebrier	-	-	Yes	Yes
7JJ	-	Perennial	Waters 7JJ is a perennial channel located east of the I-495 outer loop and west of 7th Street that flows west from outside the study area into a culvert under I-495.	-	Silt, cobble, sand Width: 5 ft Depth: 1 ft	Right: forest, housing Left: forest	Yes	Yes
7JJ_1							Yes	Yes
7JJ_C							Yes	Yes
7JJ_C1							Yes	Yes
7K	-	PEM	Wetland 7K is a PEM ditch located west of the I-495 inner loop and northeast of Girard Street that drains south into a pipe and into Waters 7F.	Broad-leaf cat-tail	-	-	Yes	Yes
7KK	-	PFO	Wetland 7KK is a PFO swale located southwest of the I-495/US 50 interchange that abuts Waters 7AA.	Red maple Black tupelo Pin oak Southern arrow-wood Rambler rose White grass Eastern poison ivy Horsebrier	-	-	Yes	Yes
7L	06-G	PFO	Wetland 7L is a PFO located within the northeast cloverleaf of the I-495/MD 202 interchange.	Silver maple (<i>Acer saccharinum</i>) Red maple Sweet-gum Pin oak Green ash Lamp rush	-	-	Yes	Yes
7LL	-	PEM	Wetland 7LL is a PEM located south of US-50 and east of Martin Luther King Jr Highway.	Sweet-gum Soft-stem club-rush (<i>Schoenoplectus tabernaemontani</i>) Narrow-leaf cat-tail	-	-	Yes	Yes
7M	-	PFO	Wetland 7M is a PFO located within the northeast cloverleaf of the I-495/MD 202 interchange, north of Wetland 7L.	Red maple Pin oak northern catalpa Lamp rush Lesser poverty rush (<i>Juncus tenuis</i>) Frost grape	-	-	Yes	Yes
7MM	-	Intermittent	Waters 7MM is an intermittent channel located in the southern cloverleaf of the US 50/Martin Luther King Jr Boulevard interchange that flows south into a storm water management facility.	-	Silt, cobble, sand, muck, gravel Width: 6 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7N	W88PG	Perennial	Waters 7N is a perennial channel located west of the I-495 inner loop and east of 5th Street that flows north through a pipe into Waters 7O.	-	Concrete Width: 3 ft Depth: 1ft	Right: mowed lawn Left: mowed lawn	Yes	Yes
7N_1							Yes	Yes
7N_C							Yes	Yes
7NN	-	Ephemeral	Waters 7NN is an ephemeral channel located south of US-50 and east of Martin Luther King Jr Boulevard that flows southeast into a roadside swale.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 4 ft	Right: herbaceous Left: herbaceous	Yes	No
7O	-	Perennial	Waters 7O is a perennial channel named Cattail Branch located south of Ardwick Ardmore Road and north of the terminus of 7th Street that flows southwest from outside the study area, through a culvert under I-495, and west beyond the study area.	-	Silt, cobble, sand, gravel, concrete Width: 4-15 ft Depth: 5 ft	Right: forest, housing Left: forest, housing	Yes	Yes
7O_1							Yes	Yes
7O_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7P	-	PEM	Wetland 7P is an isolated PEM swale located southwest of the on ramp from US 50 to the I-495 inner loop.	Rice cut grass Japanese honeysuckle	-	-	Yes	Yes
7PP	-	Intermittent	Waters 7PP is intermittent channel located south of US-50 and east of Pennsy Drive that flows northwest under US 50 and into Waters 8Z.	-	Silt, cobble, sand, concrete, gravel Width: 8 ft Depth: 4 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
7PP_C							Yes	Yes
7Q_2	-	Perennial	Waters 7Q is a perennial channel located under the on ramp from US 50 to the I-495 outer loop. This feature is located within the southern portions of the US 50/I-495 interchange and flows west through a series of conveyances to a culvert along the ramp from US 50 to the I-495 inner loop, where it is piped beyond the study area.	-	Silt, sand, riprap Width: 3 ft Depth: 2 ft	Right: forest, paved road Left: paved road, tall grass	Yes	Yes
7Q_3							Yes	Yes
7Q_C1							Yes	Yes
7Q_C2							Yes	Yes
7R	-	PEM	Wetland 7R is a PEM ditch located southwest of the on ramp from US 50 to the I-495 inner loop.	Groundseltree Broad-leaf cat-tail Common reed	-	-	Yes	Yes
7RR	-	PEM	Wetland 7KK is a PEM located south of US-50 and east of Martin Luther King Jr Highway.	Virginia pine Ash-leaf maple Fowl blue grass (<i>Poa palustris</i>) Narrow-leaf cat-tail	-	-	Yes	Yes
7S	-	Perennial	Waters 7S is a perennial channel located southwest of the US 50/I-495 interchange that flows northwest from outside the study area into a culvert under I-495 in subsegment 7. Waters 7S is also known as Waters 8W where it crosses subsegment 8 northwest of the US 50/I-495 interchange, south of Corporate Drive.	-	Silt, sand, gravel, concrete, riprap Width: 2-8 ft Depth: 1.5-4 ft	Right: forest, paved road Left: forest	Yes	Yes
7S_C								
7SS	-	Intermittent	Waters 7SS is an intermittent channel located northeast of the on ramp from westbound MD 202 to the I-495 outer loop that abuts Wetlands 7DD and 7EE and flows into Waters 6G.	-	Silt, sand, cobble, and riprap Width: 4 ft Depth: 1 ft	Right: Emergent vegetation Left: Emergent vegetation with some forest	Yes	Yes
7T	-	Perennial	Waters 7T is perennial channel located east of the I-495 outer loop and north of Evarts Street that flows southwest through a culvert under an access road and south into Waters 7G.	-	Silt, sand, iron flocculation Width: 3 ft Depth: 6 in	Right: forest, paved road Left: forest	Yes	Yes
7T_1							Yes	Yes
7T_C							Yes	Yes
7U	-	PSS	Wetland 7U is a series of PSS east of the I-495 outer loop and west of the Woodmore Towne Centre, in the floodplain of Waters 7G.	Northern spicebush Rice cut grass Jumpseed	-	-	Yes	Yes
7V	-	Ephemeral	Waters 7V is an ephemeral channel located east of the I-495 outer loop and west of the Woodmore Towne Centre that flows northwest from Wetland 7W into Waters 7G.	-	Silt, muck Width: 1 ft Depth: 3 in	Right: emergent vegetation Left: forest, paved road	Yes	No
7W	07-A	PFO	Wetland 7W is a PFO located east of the I-495 outer loop and southwest of Evarts Street that abuts Waters 7V and 7G.	Black willow Red maple Green ash Sweet-gum Fowl manna grass Halberd-leaf tearthumb (<i>Persicaria arifolia</i>) Amur peppervine	-	-	Yes	Yes
7Y	-	PFO	Wetland 7Y is a PFO located east of the I-495 outer loop and west of Evarts Street that drains abuts Waters 7G.	American elm Bitter-nut hickory Sweet-gum White grass Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7Z	-	PFO	Wetland 7Z is a PFO located east of the I-495 outer loop and northwest of Evarts Street, in the floodplain of Waters 7T.	American sycamore Red maple White grass Horsebrier Virginia-creeper	-	-	Yes	Yes
Subsegment 8								
8A	-	Intermittent	Waters 8A is an intermittent channel located between Cobb Road and the I-495 inner loop, northwest of the US 50/I-495 interchange that flows north from Wetland 8M into Waters 8J.	-	Sand, gravel, riprap Width: 2 ft Depth 1.5 ft	Right/Left: emergent vegetation, paved road	Yes	Yes
8AA	-	Perennial	Waters 8AA is a perennial channel located north of the US 50 westbound on ramp from Garden City Drive that flows east into Waters 8Z.	-	Silt, cobble, sand, gravel Width: 5 ft Depth: 1.5 ft	Right: forest, scrub-shrub Left: scrub-shrub, herbaceous	Yes	Yes
8BB	-	Perennial	Waters 8BB is a perennial channel located north of US 50 and east of Garden City Drive that flows south into Waters 8Z.	-	Silt, sand, gravel Width: 5 ft Depth: 2 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8CC	-	Ephemeral	Waters 8CC is an ephemeral channel located south of US 50 and west of Ardwick Ardmore Road that flows south into Waters 8Z outside of the study area.	-	Silt, sand, gravel Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
8D	-	POW	Waters 8D is an in-line stormwater management facility located east of the I-495 outer loop and west of Jenna Court that flows north into Waters 8F.	-	Silt, riprap Width: 75 ft Length: 175 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8DD	-	Intermittent	Waters 8DD is an intermittent channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows northeast out of the study area.	-	Silt, sand, gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
8DD_1							Yes	Yes
8DD_2							Yes	Yes
8DD_C							Yes	Yes
8E	-	Intermittent	Waters 8E is an intermittent channel located east of the I-495 outer loop and west of Jenna Court that flows south under the on ramp from US 50 to the I-495 outer loop.	-	Gravel, riprap Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
8E_C							Yes	Yes
8E_D							Yes	Yes
8EE	-	Ephemeral	Waters 8DD is an ephemeral channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows east into Waters 8DD.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No
8F	-	Intermittent	Waters 8F is an intermittent channel located east of the I-495 outer loop and west of the on ramp from US 50 to the I-495 outer loop that flows north into Waters 8J through a culvert under I-495.	-	Riprap Width: 12 ft Depth: 1 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8F_C							Yes	Yes
8FF	-	PFO	Wetland 8FF is a PFO located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that abuts Waters 8DD, Waters 8EE, and Waters 8GG.	Black tupelo Red maple Sweet-gum Sensitive fern Horsebrier	-	-	Yes	Yes
8G	-	Ephemeral	Waters 8G is an ephemeral and intermittent channel located east of the on ramp from westbound US 50 to the I-495 outer loop and west of Jenna Court that flows southwest into Waters 8E.	-	Sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
8G_1	-	Intermittent					Yes	Yes
8GG	-	Intermittent	Waters 8GG is an intermittent channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows east into Wetland 8FF.	-	Silt, sand Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
8H	-	PFO	Wetland 8H is a PFO located east of the on ramp from westbound US 50 to the I-495 outer loop and west of Jenna Court.	Black willow Red maple Groundseltree Sweet-gum Rice cut grass Shallow sedge	-	-	Yes	Yes
8HH	-	Intermittent	Waters 8HH is an intermittent channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows east into Waters 8GG.	-	Sand, silt Width: 3 ft Depth: 2 in	Right: forest Left: forest	Yes	Yes
8HH_C								
8I	-	Ephemeral	Waters 8I is an ephemeral channel located east of the on ramp from westbound US 50 to the I-495 outer loop and west of Jenna Court that flows south into Wetland 8H.	-	Silt Width: 3.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
8J	-	Intermittent	Waters 8J is an channel with intermittent and perennial flow that originates east of the I-495 outer loop, flows southwest through culverts under I-495 and Cobb Road, and continues west outside the study area.	-	Silt, cobble, gravel, riprap Width: 4 ft Depth: 1 ft	Right: scrub-shrub Left: forest	Yes	Yes
8J_1	-	Perennial					Yes	Yes
8J_2	-	Perennial					Yes	Yes
8J_C	-	Intermittent					Yes	Yes
8J_C1	-	Perennial					Yes	Yes
8JJ	-	PFO	Wetland 8JJ is a PFO located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that abuts Waters 8HH.	Sweet-gum Lamp rush Sensitive fern	-	-	Yes	Yes
8K	-	PEM	Wetland 8K is a PEM located east of the ramp from westbound US 50 to Garden City Drive and southwest of Whitfield Community Park that abuts Waters 8J.	Rice cut grass	-	-	Yes	Yes
8KK		PSS	Wetland 8KK is a PSS located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that abuts Waters 8DD, Waters 8EE, and Waters 8GG.	Groundseltree Broad-leaf cat-tail Unknown grass species (<i>Poa</i> sp.) Eastern poison ivy	-	-	Yes	Yes
8L	-	PFO	Wetland 8L is a PFO located east of the ramp from westbound US 50 to Garden City Drive and southwest of Whitfield Community Park that abuts Waters 8J to Wetland 8K.	River birch Sweet-gum Tall false rye grass Frost grape	-	-	Yes	Yes
8LL	-	PFO	Wetland 8LL is a PFO located east of the I-495 outer loop and Cobb Road near Waters 8J.	American sycamore Red maple Green ash Groundseltree Japanese stilt grass Japanese honeysuckle	-	-	Yes	Yes
8M	-	PEM	Wetland 8M is a PEM located between Cobb Road and the I-495 inner loop, northwest of the US 50/I-495 interchange that abuts Waters 8A.	Groundseltree Broad-leaf cat-tail Chairmaker’s club-rush (<i>Schoenoplectus americanus</i>)	-	-	Yes	Yes
8MM	-	Intermittent	Waters 8MM is an intermittent channel located east of the I-495 outer loop and Cobb Road upstream of Waters 8J.	-	Silt, cobble, sand, gravel Width: 4 ft Depth: 2 ft	Right: Forest Left: Forest	Yes	Yes
8N	-	Intermittent	Waters 8N is an channel with intermittent and perennial flow located between Cobb Road and the I-495 inner loop that drains south from Wetland 8O into Waters 8J.	-	Sand, gravel, riprap Width: 2 ft Depth: 1 ft	Right: paved road Left: paved road	Yes	Yes
8N_1	-	Perennial					Yes	Yes
8O	-	PEM	Wetland 8O is a PEM ditch located west of the I-495 inner loop and east of the intersection of Cobb Road and Professional Place that abuts Waters 8N.	Willow oak Black elder Black willow Unidentified blackberry species (<i>Rubus</i> sp.) Broad-leaf cat-tail Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
8P	-	PSS	Wetland 8P is a PSS located west of the I-495 inner loop and southeast of the intersection of Cobb Road and Professional Place, in the floodplain of Waters 8N.	Groundseltree Black willow Green ash Broad-leaf cat-tail Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
8Q	-	PEM	Wetland 8Q is a PEM located west of the I-495 inner loop and southeast of the intersection of Cobb Road and Professional Place, in the floodplain of Waters 8N.	Black willow Black elder Common reed Eastern poison ivy	-	-	Yes	Yes
8R	W12PG	Perennial	Waters 8R is an channel with intermittent and perennial flow that flows northwest along the east side of the ramp from MD 450 to the I-495 outer loop, and contin-ues through a culvert under I-495 and outside the study area. Waters 8R flows through subsegments 8 and 9.	-	Sand Width: 12 ft Depth: 8 ft	Right: forest, scrub-shrub Left: forest, scrub-shrub	Yes	Yes
8R_C	W12PG	Intermittent					Yes	Yes
8R_C1	W12PG	Perennial					Yes	Yes
8R_D	W12PG	Intermittent					Yes	Yes
8R_D1	W12PG	Intermittent					Yes	Yes
8S	-	Ephemeral	Waters 8S is an ephemeral channel that originates southeast of the exit ramp from the I-495 outer loop to Annapolis Road and flows northeast to a culvert under Annapolis Road before it dissipates into Wetland 9E within the interchange cloverleaf. Waters 8S flows through subsegments 8 and 9.	-	Sand, debris Width: 2 ft Depth: 6 in	Right: emergent vegetation, commercial Left: emergent vegetation, paved road	Yes	No
8S_1							Yes	No
8S_C							Yes	No
8T	-	Ephemeral	Waters 8T is an ephemeral channel located south of Annapolis Road and east of the I 495 outer loop that flows northeast from Wetland 8U into Waters 8R.	-	Cobble, sand Width: 2 ft Depth: 6 in	Right: emergent vegetation and paved road Left: emergent vegetation and paved road	Yes	No
8U	-	PEM	Wetland 8U is a PEM ditch located south of Annapolis Road and east of the I-495 outer loop.	Broad-leaf cat-tail	-	-	Yes	Yes
8V	-	Intermittent	Waters 8V is an intermittent channel located west of the I-495 outer loop and northeast of Cobb Road that flows southwest from a culvert and under the roadway into a stormwater management pond outside the study area.	-	Silt, sand, gravel, concrete Width: 4 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
8W	-	Intermittent	See Waters 7S.				Yes	Yes
8W_1							Yes	Yes
8W_C							Yes	Yes
8X	-	Intermittent	Waters 8X is an intermittent channel located north of the I-495 outer loop ramp to Corporate Drive that flows northwest through Wetland 8Y and into Waters 8W.	-	Silt, sand, gravel, debris Width: 2 ft Depth: 6 in	Right: herbaceous Left: herbaceous	Yes	Yes
8Y	-	PEM	Wetland 8Y is a PEM located north of 1-495 outer loop ramp to Corporate Drive that abuts Waters 8X.	Sweet-gum Red maple Silver maple Willow oak Rambler rose Japanese stilt grass Narrow-leaf cat-tail	-	-	Yes	Yes
8Z	-	Perennial	Waters 8Z is a perennial channel located north of US-50 and west of Pennsy Drive that flows west under Garden City Drive and then south under US 50 and out of the study area.	-	Silt, cobble, sand, gravel Width: 12 ft Depth: 6 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8Z_1							Yes	Yes
8Z_2							Yes	Yes
8Z_3							Yes	Yes
8Z_C							Yes	Yes
8Z_C1							Yes	Yes
8Z_C2							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 9								
9A	07-G	Intermittent	Waters 9A is an intermittent channel located in the western cloverleaf of the I-495/MD 450 interchange that begins at a culvert outfall draining uplands and flows north into Wetland 9B, with sections of the channel consisting of sheet flow.	-	Silt, muck Width: 5 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
9B	07-I	PEM	Wetland 9B is a PEM located in the western cloverleaf of the I-495/MD 450 interchange, adjacent to Waters 9C.	Pin oak Green ash Amur peppervine	-	-	Yes	Yes
9BB	-	PFO	Wetland 9BB is a PFO seep located along a hillslope west of the I-495 inner loop and south of Good Luck Road that extends west outside of the study area.	Willow oak Sweet-gum Southern arrow-wood Callery pear Virginia-creeper Eastern poison ivy Amur peppervine	-	-	Yes	Yes
9C	W74PG	Intermittent	Waters 9C is an intermittent channel located in the western cloverleaf of the I-495/MD 450 interchange that flows west through a culvert under the exit ramp from the I-495 inner loop to MD 450 and outside the study area.	-	Silt, sand, gravel Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
9C_1							Yes	Yes
9C_C							Yes	Yes
9C_C1							Yes	Yes
9CC	-	Perennial	Waters 9CC is a perennial channel located east of the I-495 outer loop that originates near the terminus of Midra Drive and flows downslope.	-	Cobble, sand, gravel, riprap Width: 1-3 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
9CC_C							Yes	Yes
9D	07-H	PFO	Wetland 9D is a PFO located in the eastern cloverleaf of the I-495/MD 450 interchange, adjacent to Wetland 9E.	Pin oak Sawtooth oak (<i>Quercus acutissima</i>) Slippery elm (<i>Ulmus rubra</i>) Eastern poison ivy	-	-	Yes	Yes
9DD	-	PEM	Wetland 9DD is a PEM located east of the I-495 outer loop and south of Midra Drive, in the floodplain of Waters 9CC.	Rice cut grass White grass	-	-	Yes	Yes
9E	W13PG	PEM	Wetland 9E is a PEM located in the eastern cloverleaf of the I-495/MD 450 interchange, adjacent to Wetland 9D.	European water-plantain (<i>Alisma plantago-aquatica</i>) Swamp smartweed Canadian rush Japanese stilt grass	-	-	Yes	Yes
9EE	-	PFO	Wetland 9EE is a PFO located east of the I-495 outer loop and south of Midra Drive that abuts Waters 9CC.	Sweet-gum Black tupelo Red maple Cut-leaf water-horehound (<i>Lycopus americanus</i>) Eastern poison ivy Horsebrier	-	-	Yes	Yes
9F	W16PG	Intermittent	Waters 9F is an intermittent channel located east of the I-495 outer loop and west of Hanover Parkway that flows northwest into Waters 9G.	-	Silt Width: 3-5 ft Depth: 10-12 in	Right: forest Left: forest	No	Yes
9FF	-	Ephemeral	Waters 9FF is an ephemeral channel located east of the I-495 outer loop and south of Edgerton Drive that flows northwest into Waters 9CC.	-	Sand Width: 1-2 ft Depth: 3-6 in	Right: forest Left: forest	Yes	No
9G	-	Perennial	Waters 9G is a perennial channel located on both sides of I-495 that flows southwest through a culvert under I-495 and outside the study area east of Kepner Court.	-	Sand, gravel, riprap Width: 8 ft Depth: 1 ft	Right: mowed lawn Left: scrub-shrub	Yes	Yes
9G_1							Yes	Yes
9G_C							Yes	Yes
9GG	-	Intermittent	Waters 9GG is an intermittent channel that originates at a headcut near the intersection of Edgerton Drive and Tiffany Lane and flows southwest into Waters 9CC.	-	Sand, gravel, riprap Width: 2-3 ft Depth: 3-5 ft	Right: forest, mowed lawn Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
9HH	-	PFO	Wetland 9HH is a PFO located east of the I-495 outer loop and northwest of Priscilla Court, in the floodplain of Waters 9Y and 9II.	Red maple Black tupelo Northern spicebush Southern arrow-wood Skunk-cabbage Horsebrier Virginia-creeper	-	-	Yes	Yes
9II	-	Intermittent	Waters 9II is an intermittent channel located east of the I-495 outer loop and northwest of Priscilla Court that drains Wetland 9HH and flows west from outside the study area into Waters 9Y.	-	Silt, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
9J	W15PG	Perennial	Waters 9J is a perennial channel located east of the I-495 outer loop and southwest of Lake Park Drive that flows into a culvert under I-495.	-	Gravel Width: 10 ft Depth: 2-3 ft	Right: forest Left: forest	Yes	Yes
9J_C							Yes	Yes
9JJ	08-B	Perennial	Waters 9JJ is a perennial channel located east of the I-495 outer loop and west of Priscilla Court that flows northwest from outside the study area into Waters 9Y.	-	Silt, cobble, sand, gravel Width: 5-10 ft Depth: 1.5 ft	Right: forest Left: forest, paved road	Yes	Yes
9K	-	PSS	Wetland 9K is a PSS located east of the I-495 outer loop and southwest of Lake Park Drive, in the floodplain of Waters 9J.	Black willow Sweet-gum Broad-leaf cat-tail Rice cut grass Trumpet-creeper	-	-	Yes	Yes
9KK	-	PFO	Wetland 9KK is a PFO located east of the I-495 outer loop and west of Priscilla Court, in the floodplain of Waters 9JJ.	Red maple Sweet-gum River birch Northern spicebush Small-spike false nettle Eastern poison ivy Horsebrier	-	-	Yes	Yes
9L	-	POW	Waters 9L is a palustrine open water (POW) in-line stormwater management facility located east of the I 495 outer loop and southwest of Lake Park Drive that outlets to Waters 9J.		Silt, sand, muck Width: 60 ft Length: 220 ft Depth: 5 ft	Right: residential Left: residential	Yes	Yes
9LL	-	Ephemeral	Waters 9LL is an ephemeral channel located east of the I-495 outer loop and west of Priscilla Court that flows west from Wetland 9KK into Waters 9MM.	-	Silt, cobble, sand Width: 1-2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
9M	08-D	Intermittent	Waters 9M is an intermittent channel and ditch located east of the I-495 outer loop and southwest of Lake Park Drive that flows northwest from an ephemeral swale into Waters 9J. The feature is considered a ditch until it abuts Wetland 9N.		Silt Width: 1-3 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
9M_D							No	Yes
9MM	08-C	Intermittent	Waters 9MM is an intermittent channel located east of the I-495 outer loop and west of Priscilla Court that flows north into Waters 9JJ.	-	Silt, muck Width: 4 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
9N	-	PSS	Wetland 9N is a PSS located east of the I-495 outer loop and southwest of Lake Park Drive that abuts Waters 9M.	Red maple Sweet-gum Rambler rose Fowl manna grass Deer-tongue rosette grass Virginia-creeper	-	-	Yes	Yes
9NN	W14PG	PFO	Wetland 9NN is a PFO located east of the I-495 outer loop and west of Priscilla Court that abuts Waters 9MM.	Red maple Sweet-gum Red fescue (<i>Festuca rubra</i>)	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
9O	-	Ephemeral	Waters 9O is an ephemeral channel located east of the I-495 outer loop and southwest of Lake Park Drive that flows north from Wetland 9N into Waters 9J.	-	Silt, sand, riprap Width: 1 ft Depth: 1.5 ft	Right: forest, paved road Left: forest, paved road	Yes	No
9OO	-	Ephemeral	Waters 9OO is an ephemeral channel located east of the I-495 outer loop and west of Priscilla Court that flows northeast from a culvert along I-495 into Wetland 9KK.	-	Silt, sand Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
9P	-	Ephemeral	Waters 9P is an ephemeral channel located east of the I-495 outer loop and southwest of Lake Park Drive that flows south into Waters 9J.	-	Silt, sand, muck Width: 2 ft Depth: 3 in	Right: forest, paved road Left: forest	Yes	No
9PP	-	PFO	Wetland PP is a PFO located northwest of the I-495 outer loop and adjacent to the northern portion of 9G, east of Hanover Parkway.	American sycamore Red maple Sweet-gum			Yes	Yes
9QQ	-	Intermittent	Waters 9QQ is an ephemeral and intermittent channel located west of the I-495 inner loop and east of Newburg Drive. The feature becomes an intermittent channel before it flows southeast into Waters 9J_C.	-	Silt, sand, gravel, riprap Width: 3 ft Depth: 1.5 ft	Right: forest Left: forest	Yes	Yes
9QQ_1	-	Ephemeral					Yes	No
9R	07-F	Intermittent	Waters 9R is an intermittent channel located west of the exit ramp from the I-495 inner loop to MD 450 that flows north into Waters 9C.	-	Silt, gravel, muck, leaves Width: 3-5 ft Depth: 1.5 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
9RR	-	Intermittent	Waters 9RR is an ephemeral and intermittent channel located west of the I-495 inner loop and east of Cathedral Avenue. The feature becomes an intermittent channel before it flows north into Waters 9J_C.	-	Silt, sand, gravel, riprap Width: 3 ft Depth 1-3 ft	Right: forest Left: forest	Yes	Yes
9RR_1	-	Ephemeral					Yes	No
9SS	-	PFO	Wetland 9SS is a PFO located west of the I-495 inner loop and east of Newburg Drive that abuts Waters 9QQ.	Sweet-gum Red maple Japanese-knotweed (<i>Reynoutria japonica</i>)	-	-	Yes	Yes
9T	-	Intermittent	Waters 9T begins as an intermittent channel west of 88th Place and becomes perennial as it flows west under I-495 and outside of the study area.	-	Cobble, sand, gravel, concrete Width: 6 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	Yes
9T_1	-	Perennial					Yes	Yes
9T_C	-	Intermittent					Yes	Yes
9TT	-	PFO	Wetland 9TT is a PFO located west of the I-495 inner loop and east of Cathedral Avenue that abuts Waters 9RR.	Red maple Southern arrow-wood Japanese honeysuckle Horsebrier Japanese-knotweed	-	-	Yes	Yes
9U	-	Intermittent	Waters 9U is an intermittent channel located west of the I-495 inner loop and east of Powhatan Street that flows north into Waters 9T.	-	Cobble, sand, gravel, concrete Width: 2.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
9UU	-	Ephemeral	Waters 9UU is an ephemeral channel located west of the I-495 inner loop and east of Cathedral Avenue that flows north into Wetland 9TT.	-	Cobble, sand, muck Width:3 ft Depth: 3 in	Right: forest Left: forest	Yes	No
9V	-	Intermittent	Waters 9V is an intermittent channel located west of the I-495 inner loop and east of Powhatan Street that drains Wetland 9W and flows south into Waters 9T.	-	Sand, gravel, muck Width: 2-8 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
9VV	-	Intermittent	Waters 9VV is an intermittent channel located east of the I-495 outer loop and southwest of Midra Drive that flows southeast from Wetland 9WW into Waters 9CC.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
9W	-	PFO	Wetland 9W is a PFO located west of the I-495 inner loop and east of Powhatan Street that abuts Waters 9V.	Pin oak northern white oak Sweet-bay Common winterberry English ivy Horsebrier	-	-	Yes	Yes
9WW	-	PFO	Wetland 9WW is a PFO located east of the I-495 outer loop and southwest of Midra Drive that abuts Waters 9VV.	Sweet-gum Callery pear Black willow Lamp rush Japanese stilt grass Horsebrier	-	-	Yes	Yes
9Y	08-A	Perennial	Waters 9Y is Brier Ditch, a perennial channel located south of Carrollton Parkway and north of 87th Avenue that flows west through a culvert under I-495 and continues outside of the study area.	-	Silt, cobble, sand, gravel, concrete Width: 4-10 ft Depth: 1.5 ft	Right: forest, mowed lawn Left: forest	Yes	Yes
9Y_1							Yes	Yes
9Y_C							Yes	Yes
9Z	-	Intermittent	Waters 9Z is an intermittent ditch located west of the I-495 inner loop and southeast of Carrollton Parkway that flows north into Waters 9Y.	-	Cobble, sand, gravel, riprap Width: 3 ft Depth: 6 in	Right: forest Left: forest	No	Yes
9Z_C	-						No	Yes
Subsegment 10								
10A	-	Ephemeral	Waters 10A is an ephemeral channel located southwest of the I-495/MD 295 interchange that originates from a culvert under MD 295.	-	Silt, cobble, sand Width: 5 ft Depth: < 1 in	Right: forest Left: forest	Yes	No
10AA	09-B	Perennial	Waters 10AA is a perennial channel located west of the ramp from the I-495 outer loop to MD 201 that flows northeast under I-495.	-	Silt, sand, gravel Width: 2-6 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
10AA_C							Yes	Yes
10AAA	-	Intermittent	Waters 10AAA is an intermittent channel located south of the I-495 inner loop, east of I-295, and downstream of wetland 10XX.	-	Sand, cobble, gravel, bedrock Width: 1-3 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
10B	08-N	Intermittent	Waters 10B is an intermittent channel located within the southern quadrant of the I-495/MD 295 interchange that originates from a head cut and flows west under the cloverleaf ramp to Waters 10C.	-	Silt, cobble, sand Width: 2-3 ft Depth: 6-12 in	Right: forest Left: forest	Yes	Yes
10B_1							Yes	Yes
10B_C							Yes	Yes
10BB	09-A	Perennial	Waters 10BB is a perennial channel located west of the ramp from the I-495 outer loop to MD 201.	-	Clay, sand Width: 3 ft Depth: 4 in	Right: forest Left: I-95/495 ramp to MD 201	Yes	Yes
10BB_C								
10C	08-P	Perennial	Waters 10C is a perennial channel located within the southwest cloverleaf of the I-495/MD 295 interchange that flows south from Wetland 10D, into a culvert (10C_C) under the exit ramps, and outfalls before flowing south beyond the ROW fence (10C_1).	-	Silt, cobble, sand, gravel Width: 4-6 ft Depth: 6 – 18 in	Right: forest Left: forest	Yes	Yes
10C_1							Yes	Yes
10C_C							Yes	Yes
10CC	-	Intermittent	Waters 10CC is an intermittent channel located south of the I-495/MD 201 interchange and northeast of Walker Drive that flows northeast.	-	Sand, muck Width: 4-10 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
10D	W69PG	PSS	Wetland 10D is a PSS located within the south cloverleaf of the I-495/MD 295 interchange.	Common reed Sweet-gum Red maple Groundseltree	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
10DD	-	PFO	Wetland 10DD is a PFO located in the I-295 median southwest of the I-295/I-495 interchange that abuts Waters 10TT.	Red maple Willow oak Sweet-gum Common winterberry Horsebrier	-	-	Yes	Yes
10E	08-O	Perennial	Waters 10E is a perennial channel located within the south cloverleaf of the I-495/MD 295 interchange that flows into Wetland 10D.	-	Silt, sand, cobble Width: 1.5 ft Depth: 6 in	Right: I-495 Left: forest	Yes	Yes
10EE	-	PFO	Wetland 10EE is a PFO located in the I-295 median southwest of the I-295/I-495 interchange.	Red maple Sweet-gum American elm Willow oak Lamp rush Eastern poison ivy Horsebrier	-	-	Yes	Yes
10F	08-L	Intermittent	Waters 10F is an intermittent channel located southwest of the I-495/MD 295 interchange that flows southeast under the northbound lanes of I-295 and an exit ramp before flowing west outside of the study area.	-	Silt, cobble, sand Width: 2-8 ft Depth: 1-8 in	Right: forest Left: forest	Yes	Yes
10F_1							Yes	Yes
10F_2							Yes	Yes
10F_C							Yes	Yes
10F_C1							Yes	Yes
10FF	-	Intermittent	Waters 10FF is an intermittent channel located west of the northbound I-295 off ramp to westbound Greenbelt Road that flows from a culvert into Wetland 10GG.	-	Silt, sand, gravel, muck Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
10G	-	Ephemeral	Waters 10G is an ephemeral channel located south of the I-495/MD 295 interchange.	-	Silt, sand, muck Width: 2-4 ft Depth: <1-3 ft	Right: forest Left: forest	Yes	No
10GG	-	PFO	Wetland 10GG is a PFO located west of the northbound I-295 off ramp to westbound Greenbelt Road that abuts Waters 10FF.	Red maple Sweet-gum American elm Black tupelo Eastern poison ivy Horsebrier	--		Yes	Yes
10H	08-Q	PFO	Wetland 10H is a PFO located south of the ramp from northbound MD 295 to the I-495 inner loop.	Red maple Sweet-gum Eastern poison ivy	-	-	Yes	Yes
10I	-	PFO	Wetland 10I is a PFO located south of the I-495/MD 295 interchange.	Red maple Black tupelo Sweet-gum Cinnamon fern Sensitive fern	-	-	Yes	Yes
10J	W68PG	Intermittent	Waters 10J is an intermittent ditch located within the west cloverleaf of the I-495/MD 295 interchange.	-	Concrete Width: 2 ft Depth 1-2 in	Right: forest Left: forest	No	Yes
10J_C								
10JJ	-	Intermittent	Waters 10JJ is an intermittent ditch located south of I-295 and northwest of Mandan Road that originates at a culvert under I-295 and flows northeast out of the study area.	-	Silt, cobble, sand Width: 3 ft Depth: 1.5 ft	Right: forest Left: forest	No	Yes
10K	W17PG	Intermittent	Waters 10K is an intermittent channel located in the east cloverleaf of the I-495/MD 295 interchange that flows south under I-95/I-495.	-	Gravel, sand, silt Width: 2-4 ft Depth: 1-2 in	Right: forestL eft: forest	Yes	Yes
10K_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
10KK	-	Intermittent	Waters 10KK is an intermittent ditch located east of the on ramp from Greenbelt Road to I-295 northbound that flows southwest into Waters 10MM.	-	Silt, sand, cobble Width: 5 ft Depth: 6 in	Right: forest Left: forest	No	Yes
10L	08-G	Intermittent	Waters 10L is an intermittent channel located north of the on ramp from southbound MD 295 to the I-495 outer loop that flows north from a culvert under the ramp and continues outside the study area.	-	Silt Width: 2-10 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
10M	08-H	PFO	Wetland 10M is a PFO located north of the on ramp from southbound MD 295 to the I-495 outer loop, abutting Waters 10L beyond the ROW fence.	Sweet-gum Red maple Broad-leaf cat-tail	-	-	Yes	Yes
10MM	-	Intermittent	Waters 10MM is an intermittent channel located north of I-295 and south of Ridge Road that flows south through a culvert under I-295 into Waters 10PP.	-	Silt, cobble, sand Width: 5 ft Depth: 2 in	Right: forest Left: forest	Yes	Yes
10MM_1							Yes	Yes
10MM_C							Yes	Yes
10N	08-I	Intermittent	Waters 10N is an intermittent channel located east of the I-495 outer loop and south of MD-193 that flows west from outside the study area into a culvert under I-495.	-	Silt, sand, gravel, concrete Width: 6-10 ft Depth: 3-10 in	Right: forest Left: forest	Yes	Yes
10N_1	W66PG						Yes	Yes
10N_C	08-I						Yes	Yes
10N_D	W66PG						No	Yes
10NN	-	PFO	Wetland 10NN is a PFO located north of I-295 and east of the I-295 off ramp to Southway.	Sweet-gum Black tupelo Sweet wood-reed Pinkweed (<i>Persicaria pensylvanica</i>)	-	-	Yes	Yes
10O	-	Ephemeral	Waters 10O is an ephemeral channel located in the MD 295 median and west of the I-495 inner loop.	-	Silt, sand Width: 2-4 ft Depth: 0-2 in	Right: forest Left: forest	Yes	No
10P	08-M	PFO	Wetland 10P is a PFO located in the MD 295 median, west of the MD 295/I-495 interchange.	Sweet-gum Sensitive fern Cinnamon fern	-	-	Yes	Yes
10PP	-	Intermittent	Waters 10PP is an intermittent channel located north of I-295 and east of the I-295 off ramp to Southway that flows south from Wetland 10NN, under I-295, and flows west.	-	Cobble, sand, gravel, and riprap Width: 4 ft Depth: 1.5 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
10PP_1							Yes	Yes
10PP_C							Yes	Yes
10Q	-	Ephemeral	Waters 10Q is an ephemeral channel located north of the eastern cloverleaf of the I-495/MD 201 interchange.	-	Silt, gravel Width: 1-3 ft Depth: 0-3 in	Right: forest Left: forest	Yes	No
10Q_C								
10QQ	-	Perennial	Waters 10QQ is a perennial channel located east of I-295 and south of the I-295/I-495 interchange that flows south into Waters 10TT.	-	Silt, sand, cobble, gravel Width: 6 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
10R	09-C	PFO	Wetland 10R is a PFO located within the eastern cloverleaf of the I-495/MD 201 interchange.	Red maple Tuliptree Black tupelo Siberian crabapple (<i>Malus baccata</i>) Eastern poison ivy	-	-	Yes	Yes
10RR	-	Ephemeral	Waters 10RR is an ephemeral channel located east of I-295 and south of the I-295/I-495 interchange that flows south into Waters 10QQ.		Silt, sand, leaf litter Width: 3 ft Depth: 5 ft	Right: forest Left: forest	Yes	No
10S	W19PG	Perennial	Waters 10S is a perennial channel located within the eastern cloverleaf of the I-495/MD 201 interchange.	-	Sand, concrete Width: 3 ft Depth: 4.5 ft	Right: forest Left: forest	Yes	Yes
10S_C								
10SS	-	Intermittent	Waters 10SS is an intermittent channel located east of I-295 and south of the I-295/I-495 interchange that flows south into Waters 10QQ.	-	Silt, cobble, gravel, sand Width: 7 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
10T	09-R	PFO	Wetland 10T is a PFO located north of the ramp from northbound MD 201 to the I-495 inner loop.	Red maple Black tupelo Sweet-gum Netted chain fern	-	-	Yes	Yes
10TT	-	Perennial	Waters 10TT is a perennial channel located south of the I-295/I-495 interchange that flows east under I-295 and out of the study area.	-	Sand, silt Width: 15 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
10TT_1							Yes	Yes
10TT_2							Yes	Yes
10TT_C							Yes	Yes
10TT_C1							Yes	Yes
10U	09-S	Intermittent	Waters 10U is an intermittent channel located north of the ramp from northbound MD 201 to the I-495 inner loop that flows southeast to a culvert under I-495.	-	Silt, cobble, muck Width: 3-5 ft Depth: 5 in	Right: forest Left: forest	Yes	Yes
10UU	-	Intermittent	Waters 10UU is an intermittent channel located east of I-295 and south of the I-295/I-495 interchange and flows northwest into Waters 10TT.	-	Silt, sand Width: 3 ft Depth: 2 in	Right: scrub-shrub Left: forest	Yes	Yes
10V	09-P	PEM	Wetland 10V is a PEM located between I-495 and the ramp from northbound MD 201 to the I-495 inner loop.	Lamp rush Mild water-pepper Amur peppervine	-	-	Yes	Yes
10VV	-	PEM	Wetland 10VV is a PEM located east of I-295 and south of the I-295/I-495 interchange that abuts Waters 10TT.	Sweet-gum Broad-leaf cat-tail Reed canary grass Japanese stilt grass	-	-	Yes	Yes
10W	09-Q	PEM	Wetland 10W is a PEM ditch located south of the ramp from northbound MD 201 to the I-495 inner loop.	Lamp rush Shallow sedge	-	-	Yes	Yes
10WW		PFO	Wetland 10WW is a PFO located east of I-295 and south of the I-295/I-495 interchange that abuts Wetland 10VV.	Black tupelo Red maple American holly Skunk-cabbage Cinnamon fern Japanese stilt grass	-	-	Yes	Yes
10X	-	Ephemeral	Waters 10X is an isolated ephemeral channel located west of the I-495 outerloop and north of MD 193.	-	Silt, cobble, sand, gravel Width: 4-6 ft Depth: 0-6 in	Right: forest Left: forest	Yes	No
10XX	-	PFO	Wetland 10XX is a PFO located west of I-295 and south of the I-295/I-495 interchange that abuts Waters 10TT.	Sweet-gum Red maple Black tupelo American hornbeam Northern spicebush Highbush blueberry Japanese stilt grass	-	-	Yes	Yes
10Y	-	Perennial	Waters 10Y is a perennial channel located south of the I-495/MD 201 interchange and northeast of Walker Drive.	-	Silt, cobble, sand, concrete Width: 2 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
10Y_C							Yes	Yes
10YY	09-D	Perennial	Waters 10YY is a perennial channel located northeast of the I-495/MD-201 interchange and south of Crescent Road.	-	Concrete Width: 2-4 ft Depth: 2-15 in	Right: hedgerow Left: hedgerow	Yes	Yes
10Z	-	PFO	Wetland 10Z is a PFO located south of the I-495/MD 201 interchange and northeast of Walker Drive.	Sweet-gum American beech American holly Red maple Sweet-bay Common reed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 11								
11A	09-F	Intermittent	Waters 11A is an intermittent and perennial ditch located south of the ramp from southbound MD 201 to the I-495 outer loop that begins at an ephemeral ditch, flows west into a culvert that flows under the I-495 on-ramp and outside of the study area. The ditch becomes perennial downstream of its convergence with Wetland 11B.	-	Silt, cobble, sand, gravel, concrete Width: 5 ft Depth: 6 in	Right: forest Left: forest	No	Yes
11A_1	09-F	Perennial					Yes	Yes
11AA	09-Y	Intermittent	Waters 11AA is an intermittent channel located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that flows southeast into Waters 11L.	-	Cobble, muck Width: 2-3 ft Depth: 2-8 in	Right: forest Left: hedgerow	Yes	Yes
11B	-	PFO	Wetland 11B is a PFO located south of the ramp from southbound MD 201 to the I-495 outer loop.	Sweet-gum Pin oak Morrow's honeysuckle Horsebrier	-	-	Yes	Yes
11BB	-	Intermittent	Waters 11BB is an intermittent channel located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that flows southeast from Wetland 11F into Waters 11L.	-	Cobble, sand Width: 1 ft Depth: 2-8 in	Right: forest Left: forest	Yes	Yes
11C	W20PG	Intermittent	Waters 11C is an intermittent channel located south of the ramp from southbound MD 201 to the I-495 outer loop that flows north into Waters 11A.	-	Silt, cobble, sand, gravel, riprap Width: 3 ft Depth: 0-3 in	Right: forest Left: forest	Yes	Yes
11C_C								
11CC	09-Z	Intermittent	Waters 11AA is an intermittent channel located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that flows south from Wetland 11FF into Waters 11AA.	-	Silt, sand, muck Width: 1-2 ft Depth: 1-4 in	Right: forest Left: forest	Yes	Yes
11D	-	Intermittent	Waters 11D is an intermittent channel located south of the ramp from southbound MD 201 to the I-495 outer loop and flows east into Waters 11C.	-	Silt, sand Width: 1-2 ft Depth: 0-3 in	Right: forest Left: forest fringe transitioning to mowed roadway ROW	No	Yes
11DD	09-GG	PEM	Wetland 11DD is a PEM located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop, in the floodplain of Waters 11CC.	Reed canary grass	-	-	Yes	Yes
11E	W21PG	Perennial	Waters 11E is a perennial channel located northwest of the I-495/MD-201 interchange, that originates at Greenbelt Lake (outside of the study area) and flows northwest under I-495. Waters 11E flows through subsegments 10 and 11.	-	Silt, sand, gravel, concrete, riprap Width: 10-20 ft Depth: 3 in – 3 ft	Right: forest Left: forest	Yes	Yes
11E_C							Yes	Yes
11E_C1							Yes	Yes
11E_C2							Yes	Yes
11E_D							Yes	Yes
11E_D1							Yes	Yes
11E_D2							Yes	Yes
11EE	09-HH	PFO	Wetland 11EE is a PFO located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11AA.	Red maple Northern spicebush Skunk-cabbage Horsebrier	-	-	Yes	Yes
11F	09-E	PEM	Wetland 11F is a PEM located south of I-495 inner loop and south of Cherrywood Lane that abuts Waters 11H.	Common reed	-	-	Yes	Yes
11FF	-	PFO	Wetland 11FF is a PFO located east of the I-495 outer loop and east of the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11BB and Waters 11CC.	Red maple Sweet-gum Common reed	-	-	Yes	Yes
11G	09-L	Intermittent	Waters 11G is an intermittent channel located west of the I-495 inner loop and east of Edmonston Road that originates as a concrete-lined channel and flows south into a culvert under I-495.	-	Silt, sand, concrete, muck Width: 3-10 ft Depth: 4-15 in	Right: forest Left: forest	No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
11GG	-	Ephemeral	Waters 11GG is an ephemeral channel located south of the I-495 inner loop and east of 52nd Place that flows southwest into Wetland 11HH.	-	Sand Width: 6 in – 2 ft Depth: 0-6 in	Right: forest Left: forest	Yes	No
11H	W62PG	Intermittent	Waters 11H is an intermittent channel located south of the I-495 inner loop and east of Cherrywood Lane that flows northwest from a culvert draining the I-495 median into Wetland 11F.	-	Silt, sand Width: 4 ft Depth: 2-4 in	Right: forest Left: forest	No	Yes
11HH	-	PFO	Wetland 11HH is a PFO located south of the I-495 inner loop and east of 52nd Place that abuts Waters 11GG.	Red maple Small-spike false nettle Dotted smartweed	-	-	Yes	Yes
11I	09-FF	PFO	Wetland 11I is a PFO located south of the I-495 inner loop and northeast of the Greenbelt Metro Drive/Cherrywood Lane intersection.	Red maple Green ash Horsebrier Gray's sedge (<i>Carex grayi</i>)	-	-	Yes	Yes
11II	-	PFO	Wetland 11II is a PFO located south of Greenbelt Station Road and the I-495 inner loop within the floodplain of Indian Creek.	Black tupelo Red maple Sweetgum American hornbeam Japanese honeysuckle Northern long sedge (<i>Carex folliculata</i>) Eastern star sedge (<i>Carex radiata</i>) Common blue violet (<i>Viola sororia</i>)	-	-	Yes	Yes
11J	-	Intermittent	Waters 11J is an intermittent channel located south of the I-495 inner loop and northeast of the Greenbelt Metro Drive/Cherrywood Lane intersection that flows north into Wetland 11K.	-	Silt, sand Width: 2-6 ft Depth: 0-4 in	Right: forest Left: forest	Yes	Yes
11K	-	PFO	Wetland 11K is a PFO located south of the I-495 inner loop and northeast of the Greenbelt Metro Drive/Cherrywood Lane intersection that abuts Waters 11J and Waters 11L.	Red maple Green arrow-arum (<i>Peltandra virginica</i>)	-	-	Yes	Yes
11L	09-AA	Perennial	Waters 11L is a perennial channel, known as Indian Creek, that flows southwest under I-495, north of Cherrywood Lane.	-	Silt, cobble, sand, gravel Width: 40 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
11L_1							Yes	Yes
11L_2							Yes	Yes
11L_3							Yes	Yes
11L_B							Yes	Yes
11L_B1							Yes	Yes
11L_B2							Yes	Yes
11M	09-DD	Intermittent	Waters 11M is an intermittent channel located south of the I-495 inner loop and northwest of Greenbelt Metro Drive that flows southeast from Wetland 11O, underneath the Greenbelt Station ramp to the I-495 outer loop, along Wetland 11N, and into Waters 11L.	-	Silt, muck Width: 3-5 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
11M_1							Yes	Yes
11M_B							Yes	Yes
11N	09-EE	PFO	Wetland 11N is a PFO located south of the I-495 inner loop and southeast of the Greenbelt Station Road/Greenbelt Metro Drive intersection that abuts Waters 11M.	Sweet-gum Slippery elm Silver maple Eastern poison ivy Skunk-cabbage	-	-	Yes	Yes
11O	09-CC	PEM	Wetland 11O is a PEM located south of the I-495 inner loop and northwest of the Greenbelt Station Road/Greenbelt Metro Drive intersection that abuts Waters 11M.	Common reed Narrow-leaf cat-tail Climbing nightshade (<i>Solanum dulcamara</i>)	-	-	Yes	Yes
11P	09-BB	PFO	Wetland 11P is a PFO located south of the I-495 inner loop and north of Greenbelt Metro Drive that abuts Wetland 11O.	Black tupelo Willow oak Green ash	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
11Q	-	PEM	Wetland 11Q is a PEM located north of the I-495 outer loop and northwest of the Rhode Island Avenue/Locust Hill Drive intersection that abuts Waters 11S.	Lamp rush Spotted touch-me-not Broad-leaf cat-tail	-	-	Yes	Yes
11R	W22PG	Perennial	Waters 11R is an intermittent and perennial channel located north of the I-495 outer loop and west of Rhode Island Avenue that flows northeast from a culvert draining a man-made drainage swale, under Locust Hill Drive, and outside of the study area. The portion downstream of its convergence with 11T_C is considered perennial, while the remainder of the feature is intermittent.	-	Silt, cobble, sand, gravel, concrete Width: 2-6 ft Depth: 0-12 in	Right: forest Left: forest	Yes	Yes
11R_1		Perennial					Yes	Yes
11R_2		Perennial					Yes	Yes
11R_C		Perennial					Yes	Yes
11R_D		Intermittent					No	Yes
11S	-	Intermittent	Waters 11S is an intermittent channel located north of the I-495 outer loop that flows east from Sunnyside Park, under a roadway, and into Wetland 11Q.	-	Silt, sand, gravel Width: 3-6 ft Depth: 1-6 in	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
11S_1							Yes	Yes
11S_C							Yes	Yes
11T	-	Perennial	Waters 11T is a perennial channel located south of the I-495 inner loop and west of Rhode Island Avenue that originates at a culvert under I-495 and flows south outside of the study area.	-	Silt, cobble, sand, gravel, concrete Width: 6-15 ft Depth: 3-10 in	Right: hedgerow adjacent to parking lot Left: hedgerow adjacent to Rhode Island Avenue	Yes	Yes
11T_C							Yes	Yes
11U	09-J	PFO	Wetland 11U is a PFO located east of the I-495 outer loop and north of Cherrywood Lane that abuts Waters 11V.	Red maple Swamp white oak (<i>Quercus bicolor</i>) Sweet-gum Japanese stilt grass Japanese honeysuckle Common reed	-	-	Yes	Yes
11V	09-I	Perennial	Waters 11V is a perennial channel located east of the I-495 outer loop and north of Cherrywood Lane that flows northwest into Waters 11L.	-	Cobble, gravel, muck Width: 3-8 ft Depth: 5-15 in	Right: hedgerow Left: forest	Yes	Yes
11W	09-U	PEM	Wetland 11W is a PEM located north of the I-495 outer loop and south of the Washington Metropolitan Area Transit Authority Greenbelt Rail Yard.	Broad-leaf cat-tail	-	-	Yes	Yes
11X	09-V	PEM	Wetland 11X is a PEM located north of the I-495 outer loop and within the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11Y.	Common reed	-	-	Yes	Yes
11Y	09-W	Intermittent	Waters 11Y is an intermittent channel located north of the I-495 outer loop and within the ramp from Greenbelt Station Road to the I-495 outer loop that flows southeast from Wetland 11X into Wetland 11Z.	-	Silt, sand Width: 2-5 ft Depth: 2-5 in	Right: forest Left: forest	Yes	Yes
11Z	09-X	PFO	Wetland 11Z is a PFO located north of the I-495 outer loop and within the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11Y and Waters 11AA.	Red maple Slippery elm Sweet-gum Southern arrow-wood Common reed Duck-potato (<i>Sagittaria latifolia</i>) Fringed sedge (<i>Carex crinita</i>)	-	-	Yes	Yes
Subsegment 12								
12A	11-Z	PEM	Wetland 12A is a PEM located in a ditch south of the I-95/I-495 interchange, between the park-and-ride and weigh station.	Common reed Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12AA	11-X	PFO	Wetland 12AA is a PFO located in the I-495 median median and west of the I-95 southbound ramp to the park-and-ride.	Red maple Black tupelo Sweet-bay Highbush blueberry Horsebrier	-	-	Yes	Yes
12AAA	11-II	PEM	Wetland 12AAA is a PEM located north of the I-495 outer loop and south of the ramp from I-95 northbound to the I-495 inner loop and abuts Waters 12BBB.	Reed canary grass	-	-	Yes	Yes
12AAAA	-	Intermittent	Waters 12AAAA is an intermittent channel located west of I-95 south and southwest of Sellman Road that abuts Wetland 12DDDD and flows south into Waters 12YYY.	-	Silt, cobble, sand, gravel, concrete Width: 1-6 ft Depth: 1-8 in	Right: forest Left: forest	Yes	Yes
12B	W43PG	PEM	Wetland 12B is a PEM located south of the I-95/I-495 interchange, northeast of the park-and-ride that abuts Waters 12C.	Purple loosestrife Blunt spike-rush Rice cut grass	-	-	Yes	Yes
12BB	W36PG	PFO	Wetland 12BB is a PFO located in the I-495 median, south of Duncan Road, in the floodplain of Waters 12K.	Red maple Horsebrier Sweet-bay Cinnamon fern	-	-	Yes	Yes
12BBB	11-RR	Intermittent	Waters 12BBB is an intermittent channel located north of the I-495 outer loop and south of the ramp from I-95 northbound to the I-495 inner loop. The feature originates from a culvert under the ramp and flows southeast into Wetland 12AAA.	-	Silt, leaves Width: 3-5 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
12BBBB	-	PFO	Wetland 12BBBB is a PFO located west of I-95 south and northwest of Edgefield Drive near Paint Branch.	Red maple Rambler rose Japanese-knotweed Japanese honeysuckle Japanese stilt grass	-	-	Yes	Yes
12C	11-QQ	Perennial	Waters 12C is a perennial channel located south of the I-95/I-495 interchange, northeast of the park-and-ride. The feature originates at Wetland 12B and flows north.	-	Sand Width: 2 ft Depth: 4 in	Right: forest, BARC property Left: forest, parking lot	Yes	Yes
12C_C								
12CC	W32PG	PFO	Wetland 12CC is a PFO located in the I-495 median south of Aster Lane.	Red maple Woolgrass Broad-leaf cat-tail	-	-	Yes	Yes
12CCC	W41PG	Perennial	Waters 12CCC is a perennial channel located southeast of the I-95/I-495 interchange, north of Orchard Loop Road that flows east into Paint Branch.	-	Sand, concrete Width: 4 ft Depth: 2-6 in	Right: agricultural area, parking lot Left: forest	Yes	Yes
12CCCC	-	PFO	Wetland 12CCCC is a PFO located west of I-95 south and northwest of Edgefield Drive near Paint Branch.	Red maple American sycamore Lamp rush Japanese stilt grass	-	-	Yes	Yes
12D	11-AA	PFO	Wetland 12D is a PFO located on the west side of the I-495/I-95 park and ride and adjacent to perennial channel 12E.	Red maple Southern arrow-wood	-	-	Yes	Yes
12DD	W31PG	POW	Waters 12DD is a perennial channel/open water pond located in the I-495 median, south of Aster Lane that flows east from Wetland 12CC into Waters 12EE.	-	Muck Width: 100 ft Depth: < 2 ft	Right: mowed grass Left: mowed grass	Yes	Yes
12DDD	W57PG	PEM	Wetland 12DDD is a PEM located south of the I-495 inner loop and west of the ramp from the park-and-ride to the I-495 outer loop that abuts Waters 12FFF.	Broad-leaf cat-tail	-	-	Yes	Yes
12DDDD	-	PEM	Wetland 12DDDD is a PEM located west of I-95 south and southwest of Sellman Road, that abuts Waters 12AAAA.	Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12E	W42PG	Perennial	Waters 12E is a perennial channel located south of the I-95/I-495 interchange and west of the weigh station. The feature originates from a pipe under the ramp from I-495 eastbound to I-95 northbound, flows under the ramp to the park-and-ride from the I-495 inner loop, and flows south into Wetland 12D.	-	Mud Width: 3 ft Depth: 2 ft	Right: forest Left: parking lot	Yes	Yes
12E_1							Yes	Yes
12E_C							Yes	Yes
12E_C1							Yes	Yes
12EE	W35PG	Intermittent	Waters 12EE is an intermittent channel located in the I-495 median south of Aster Lane that flows east from a stormwater outfall pipe and south from a culvert under the I-495 outer loop. Waters 12EE_C flows under the I-495 inner loop and into Waters 12III.	-	Cobble, sand, silt, gravel Width: 2 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
12EE_C							Yes	Yes
12EEE	-	PFO	Wetland 12EEE is a PFO located south of the I-495 inner loop and west of the ramp from the park-and-ride to the I-495 outer loop.	Red maple Black tupelo Callery pear Twinsisters (<i>Lonicera tatarica</i>) Japanese honeysuckle Green ash Rambler rose Eastern poison ivy	-	-	Yes	Yes
12EEEE	-	Perennial	Waters 12EEEE is a perennial channel located west of I-95 south and southwest of Green Ash Court that flows north into a culvert under I-95.	-	Silt, sand, gravel Width: 2-5 ft Depth: 1-6 in	Right: forest Left: forest	Yes	Yes
12F	W40PG	Perennial	Waters 12F is a perennial channel located south of the I-95/I-495 interchange and north of the weigh station. The feature begins at Waters 12CCC and flows west into Waters 12E.	-	Gravel, cobble, sand Width: 5 ft Depth: 3 ft	Right: forest, shrubs Left: forest, shrubs	Yes	Yes
12F_C							Yes	Yes
12FF	11-LL	PEM	Wetland 12FF is a PEM located in the I-495 median, south of I-95 southbound.	Unknown sedge species Slender spike-rush (<i>Eleocharis tenuis</i>)	-	-	Yes	Yes
12FFF	-	Ephemeral	Waters 12FFF is an ephemeral channel located south of the I-495 inner loop and west of the ramp from the park-and-ride to the I-495 outer loop that flows north from Wetland 12DDD to Wetland 12EEE.	-	Silt, sand, gravel Width: 2-3 ft Depth: 1 in	Right: forest Left: forest, mowed ROW	Yes	No
12FFFF	-	POW	Waters 12FFFF is a POW located in the 1-95/495 median west of the Cherry Hill Road overpass, east of Wetland JJ.	-	Silt, sand, muck Width: 35 ft Depth: 100 ft	Right: forest Left: forest	Yes	Yes
12G	W49PG	Intermittent	Waters 12G is an intermittent channel located in the southwest cloverleaf of the I-95/I-495 interchange that flows north into Waters 12H.	-	Cobble, silt, sand, gravel Width: 1-2 ft Depth: < 6 in	Right: forest Left: forest	Yes	Yes
12GG	11-GG	PFO	Wetland 12GG is a PFO wetland located in the I-495 median, south of I-95 southbound.	New York ironweed (<i>Vernonia noveboracensis</i>) Green ash Red maple	-	-	Yes	Yes
12GGG	11-BB	Ephemeral	Waters 12GGG is an ephemeral channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride that flows west into Waters 12JJJ.		Silt, sand, gravel, muck Width: 1-2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
12GGGG	-	PFO	Wetland 12GGGG is a PFO located north of I-495 and east of Riggs Road, and south of Wetland 12JJJ.	Red maple Sweet-gum Horsebrier Unknown grass species	-	-	No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12H	-	Perennial	Waters 12H is a perennial channel located within the I-95/I-495 interchange, south of the I-495 inner loop that flows east under multiple ramps into Waters 12II.	-	Gravel, cobble, bedrock Width: 5-8 ft Depth: 2 ft	Right: I-495 Left: forest, open field	Yes	Yes
12H_1							Yes	Yes
12H_2							Yes	Yes
12H_3							Yes	Yes
12H_4							Yes	Yes
12H_5							Yes	Yes
12H_B							Yes	Yes
12H_B1							Yes	Yes
12H_C							Yes	Yes
12H_C1							Yes	Yes
12H_C2							Yes	Yes
12HH	11-FF	Perennial	Waters 12HH is a perennial channel located in the I-495 median, south of I-95 southbound that flows east from Waters 12Y and Wetland 12GG into Waters 12II.	-	Silt, sand, cobble Width: 2-4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
12HHH	11-CC	Intermittent	Waters 12HHH is an intermittent channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride that flows east into Waters 12JJJ.	-	Silt, sand, gravel Width: 2-4 ft Depth: 2-6 in	Right: forest Left: forest	No	Yes
12HHHH	-	Intermittent	Waters 12HHHH is an intermittent channel located east of Wetland 12IIII and north of I-495. Waters 12HHHH drains out of Wetland 12IIII.	-	Silt, sand, muck Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
12I	11-V	Intermittent	Waters 12I is an intermittent channel located within the southwest cloverleaf of the I-95/I-495 interchange that flows south into Waters 12H.	-	Silt, sand, gravel Width: 12-16 in Depth: < 6 in	Right: forest Left: forest	Yes	Yes
12II	W30PG	Perennial	Waters 12II is a perennial channel known as Paint Branch located within the I-95/I-495 interchange that flows south through the interchange and outside of the study area.	-	Cobble, gravel Width: 30 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
12II_1							Yes	Yes
12II_2							Yes	Yes
12II_3							Yes	Yes
12II_4							Yes	Yes
12II_5							Yes	Yes
12II_6							Yes	Yes
12II_7							Yes	Yes
12II_8							Yes	Yes
12II_B							Yes	Yes
12II_B1							Yes	Yes
12II_B2							Yes	Yes
12II_B3							Yes	Yes
12II_C							Yes	Yes
12II_C1							Yes	Yes
12II_C2							Yes	Yes
12II_C3							Yes	Yes
12III	-	Intermittent	Waters 12III is an intermittent channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride. The feature flows from Waters 12EE_C east to Waters 12JJJ.	-	Silt, cobble, sand, grave, concrete rubble Width: 3-6 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
12IIII	-	PFO	Wetland 12IIII is a PFO located north of I-495 and drains to the east into Waters 12HHHH.	Black tupelo Red maple Japanese stilt grass Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12J	11-U	PFO	Wetland 12J consists of two unconnected, but similar PFOs located in the southwest cloverleaf of the I-95/I-495 interchange, in the floodplain of Waters 12H.	Red maple Sweet-gum Black tupelo Sweet-bay Highbush blueberry Unknown sedge species Partridge-berry (<i>Mitchella repens</i>) Southern arrow-wood Japanese honeysuckle	-	-	Yes	Yes
12JJ	-	PEM	Wetland 12JJ is a PEM located in in the I-95/495 median west of the Cherry Hill Road overpass that abuts Waters 12KK.	Japanese stilt grass Asiatic tearthumb	-	-	Yes	Yes
12JJJ	W44PG	Perennial	Waters 12JJJ is a perennial channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride that originates outside of the study area and flows northeast into Waters 12H.	-	Silt, cobble, sand, gravel Width: 8-12 ft Depth: 1-12 in	Right: forest Left: forest	Yes	Yes
12JJJ_C							Yes	Yes
12JJJJ	-	PFO	Wetland 12JJJJ is a PFO located north of I-495 and east of Riggs Road, and north of Wetland 12GGGG.	Sweet-gum Black tupelo American holly Japanese stilt grass Shallow sedge Horsebrier	-	-	No	Yes
12K	11-T	Perennial	Waters 12K is a perennial channel located in the I-495 median south of Duncan Road that originates at the confluence of Waters 12KKK, 12MMM, and 12NNN and flows southeast through culverts and into Waters 12H.	-	Silt, sand, cobble, gravel Width: 2-6 ft Depth: < 10 in	Right: forest Left: forest	Yes	Yes
12K_1							Yes	Yes
12K_C							Yes	Yes
12KK	11-P	Perennial	Waters 12KK is a perennial channel located in the I-95/495 median west of the Cherry Hill Road overpass that flows southwest into Waters 12II.	-	Gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
12KKK	-	Intermittent	Waters 12KKK is an intermittent channel and ephemeral channel located north of the I-495 outer loop and southwest of the terminus of Duncan Road that flows east through Wetland 12LLL and into Waters 12MMM.	-	Silt, sand, gravel Width: 2-3 ft Depth: 0-4 in	Right: forest Left: forest	Yes	Yes
12KKK_C							Yes	Yes
12KKKK	-	Intermittent	Waters 12KKKK is an intermittent channel located east of Silver Lake Court and north of Wetland 12D.	-	Silt, sand, muck, rip-rap Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
12LL	11-R	Ephemeral	Waters 12LL is an ephemeral channel located in the I-95/495 median west of the Cherry Hill Road overpass.	-	Silt, sand, cobble, gravel Width: 1 ft Depth: 1-5 ft	Right: forest, paved road Left: forest	Yes	No
12LLL	11-G	PFO	Wetland 12LLL is a PFO located north of the I-495 outer loop and southwest of the terminus of Duncan Road that abuts Waters 12KKK.	Red maple Sweet-bay Highbush blueberry Cinnamon fern Royal fern (<i>Osmunda spectabilis</i>) Black tupelo	-	-	Yes	Yes
12LLLL	-	Intermittent	Waters 12LLLL is an intermittent channel located west of the I-495/I-95 park and ride and southwest of Wetland 12D. Waters 12LLLL flows from Wetland 12NNNN and into Wetland 12D.	-	Silt, sand, cobble, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
12M	11-S	Intermittent	Waters 12M is an intermittent channel located in the southwest cloverleaf of the I-95/I-495 interchange that flows east from a stormwater outfall pipe into Waters 12H.	-	Silt, sand, gravel Width: 1-2 ft Depth: 1-3 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12MM	W58PG	Intermittent	Waters 12MM is an intermittent channel located south of the I-495 inner loop and east of Cherry Hill Road that flows east into Wetland 12NN.	-	Silt, sand, gravel, concrete Width: 1-3 ft Depth: 0-6 in	Right: forest Left: forest, roadway	No	Yes
12MMM	-	Ephemeral	Waters 12MMM is an ephemeral channel north of the I-495 outer loop and southwest of the terminus of Duncan Road that flows south to Waters 12KKK.	-	Silt, sand, concrete Width: 1-2 ft Depth: 1 in	Right: forest Left: forest	Yes	No
12MMMM	-	Intermittent	Waters 12MMMM is an intermittent channel located west of the I-495/I-95 park and ride, and north of Wetland 12NNNN and Waters 12LLLL. Waters 12MMMM flows from Wetland 12NNNN into Waters 12LLLL.	-	Silt, sand, gravel Width: 2 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
12N	W50PG	PFO	Wetland 12N is a PFO located in the southwest cloverleaf of the I-95/I-495 interchange.	Skunk-cabbage Cinnamon fern Cut-leaf water-horehound Virginia-creeper Silver maple Japanese stilt grass Greater bladder sedge (<i>Carex intumescens</i>)	-	-	Yes	Yes
12NN	10-A	PFO	Wetland 12NN is a PFO located south of the I-495 inner loop and east of Cherry Hill Road that abuts Waters 12MM.	Red maple Rambler rose Broad-leaf cat-tail Unknown sedge species Reed canary grass Horsebrier Eastern poison ivy	-	-	Yes	Yes
12NNN	-	Intermittent	Waters 12NNN is an intermittent channel located north of the I-495 outer loop and south of the terminus of Duncan Road that flows west into Waters 12KKK.	-	Silt, cobble, sand Width: 2-3 ft Depth: 1-3 in	Right: forest Left: forest	Yes	Yes
12NNNN	-	PFO	Wetland 12NNNN is a PFO located west of the I-495/I-95 park and ride and drains into Waters 12LLLL and Waters 12MMMM.	Black tupelo Red maple Smooth blackhaw Horsebrier Sweet-gum	-	-	Yes	Yes
12O	-	Intermittent	Waters 12O is an intermittent channel located at the foot of a roadway embankment in the I-95/I-495 interchange west of the southwest cloverleaf that flows southeast along Wetland 12Q and into Waters 12H.	-	Silt, sand, muck Width: 1-2 ft Depth: 2-6 in	Right: forest, roadway embankment Left: forest	No	Yes
12O_1							Yes	Yes
12OO	10-D	Perennial	Waters 12OO is a perennial channel known as Little Paint Branch that flows southwest under I-495 east of Cherry Hill Road and west of Baltimore Avenue, then flows outside of the study area.	-	Cobble, gravel Width: 30 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
12OO_1							Yes	Yes
12OO_C							Yes	Yes
12OOO	W52PG	PEM	Wetland 12OOO is a PEM located northeast of the I-95/I-495 interchange and southwest of Yosemite Lane that abuts Waters 12QQQ.	Spotted touch-me-not Allegheny blackberry Fringed sedge	-	-	Yes	Yes
12OOOO	-	PFO	Wetland 12OOOO is a PFO located northwest of the I-495/I-95 park and ride and east of Wetland 12D.	White oak (<i>Quercus alba</i>) Chestnut oak (<i>Quercus montana</i>) Red maple Sweet-gum Black tupelo Horsebrier	-	-	Yes	Yes
12P	-	Intermittent	Waters 12P is an intermittent channel located in the I-95/I-495 interchange west of the southwest cloverleaf that flows southwest into Waters 12H.	-	Silt, sand, muck, leaves Width: 1-3 ft Depth: 2-6 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12PP	-	Intermittent	Waters 12PP is an intermittent channel located south of the I-495 inner loop and east of Cherry Hill Road that flows southeast into Wetland 12NN.	-	Silt, sand, gravel, clay Width: 1-4 ft Depth: 0-0.1 ft	Right: forest Left: forest	Yes	Yes
12PPP	11-E	Intermittent	Waters 12PPP is an intermittent channel located northeast of the I-95/I-495 interchange and south of Yosemite Lane. The feature flows west into Waters 12QQQ and 12QQQ_C under I-95 northbound.	-	Silt, sand, riprap Width: 2 ft Depth: 2 in	Right: forest Left: logged area, paved road	Yes	Yes
12PPPP	-	PFO	Wetland 12PPPP is a PFO located northwest of I-495/I-95 the park and ride and northeast of Wetland 12O000.	Red maple Black tupelo Horsebrier	-	-	Yes	Yes
12Q	W48PG	PFO	Wetland 12Q is a PFO located in the I-95/I-495 interchange west of the southwest cloverleaf that abuts Waters 12O and 12P.	Cinnamon fern Sweet-bay Highbush blueberry Japanese honeysuckle Willow oak Virginia pine	-	-	Yes	Yes
12QQ	-	PFO	Wetland 12QQ is a PFO located south of the I-495 inner loop and east of Cherry Hill Road that abuts Waters 12PP.	Red maple Sweet-gum Skunk-cabbage Shallow sedge Japanese stilt grass	-	-	Yes	Yes
12QQQ	11-D	Intermittent	Waters 12QQQ is an intermittent channel located northeast of the I-95/I-495 interchange and south of Yosemite Lane that originates at Wetland 12O00 and flows east to converge with Waters 12PPP before flowing into a culvert (12QQQ_C) under I-95.	-	Silt, sand, riprap Width: 1 ft Depth: 1 in	Right: logged area, paved road Left: unmanaged herbaceous area	Yes	Yes
12QQQ_C							Yes	Yes
12R	11-IX	Intermittent	Waters 12R is an intermittent channel located south of I-495 and east of the ramp from the I-495 inner loop to I-95 northbound that flows north into Waters 12H.	-	Silt, sand, concrete Width: 2-4 ft Depth: 0.1 ft	Right: roadway with narrow forest fringe Left: forest	No	Yes
12RRR	W51PG	Perennial	Waters 12RRR is a perennial channel located on the shoulder immediately north of the ramp split between the I-495 outer loop and I-95 northbound. The feature flows south through Waters 12RRR_C and into Waters 12KK.	-	Riprap Width: 3-5 ft Depth: 18 in	Right: forest Left: forest	Yes	Yes
12RRR_C							Yes	Yes
12S	11-H	Intermittent	Waters 12S is an intermittent channel located in the I-495 median, between the ramp from I-95 southbound to the park-and-ride and the ramp from the I-495 inner loop to I-95 northbound. The feature flows southeast from a concrete pipe under the I-495 outer loop and then south into Waters 12T and 12S_C.	-	Clay, mud Width: 4 ft Depth: 2 in	Right: forest Left: forest	Yes	Yes
12S_C							Yes	Yes
12SS	W26PG	PFO	Wetland 12SS is a PFO located north of the I-495 outer loop and east of Cherry Hill Road that abuts Waters 12UUU.	Sweet-gum Spotted touch-me-not Duck-potato Rice cut grass American water-plantain (Alisma subcordatum) Arrow-leaf tearthumb	-	-	Yes	Yes
12SSS	-	PFO	Wetland 12SSS is a PFO located north of the I-495 outer loop and west of Ikea Way that abuts Waters 12TT.	Black willow Reed canary grass Frost grape	-	-	Yes	Yes
12T	-	Intermittent	Waters 12T is an intermittent ditch and channel located in the I-495 median, between the ramp from I-95 southbound to the park-and-ride and the ramp from the I-495 inner loop to I-95 northbound. The feature is considered a ditch until it abuts Wetland 12U, then flows east into Waters 12S_C.	-	Sand, cobble, gravel Width: 0.5-2 ft Depth: 0.1 ft	Right: roadway Left: forest, wetland	Yes	Yes
12T_D							No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12TT	-	Perennial	Waters 12TT is a perennial channel located north of the I-495 outer loop and east of Cherry Hill Road that flows east into Waters 12OO.	-	Silt, sand, gravel Width: 5-6 ft Depth: 3-10 in	Right: forest, open field Left: forest	Yes	Yes
12TTT	-	PEM	Wetland 12TTT is a PEM located north of I-495 and west of Ikea Way that is surrounded by Wetland 12SSS.	Common reed Reed canary grass	-	-	Yes	Yes
12U	W37PG	PFO	Wetland 12U is a PFO located in the I-495 median, between the ramp from I-95 southbound to the park-and-ride and the ramp from the I-495 inner loop to I-95 northbound that abuts Waters 12T.	Sweet-gum Red maple Japanese honeysuckle Southern arrow-wood Virginia-creeper Pin oak	-	-	Yes	Yes
12UU	-	PFO	Wetland 12UU is a PFO located north of the I-495 outer loop and west of the I-495 on ramp from US-1.	American sycamore Sweet-gum Shallow sedge	-	-	Yes	Yes
12UUU	10-G	Perennial	Waters 12UUU is a perennial channel located north of the I-495 outer loop and west of Ikea Way that flows east from Wetland 12SS into Waters 12OO.	-	Silt, muck Width: 1-2 ft Depth: 2-8 in	Right: fence, field Left: hedgerow, road	Yes	Yes
12V	11-DD	Perennial	Waters 12V is a perennial channel located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound that flows east from Waters 12S_C into Wetland 12W.	-	Gravel, cobble Width: 3 ft Depth: 2 in	Right: forest Left: I-495	Yes	Yes
12VV	-	PFO	Wetland 12VV is a PFO located east of I-95 southbound and north of the ramp from I-95 northbound to the I-495 inner loop.	River birch Tuliptree Shallow sedge Lamp rush Purple loosestrife	-	-	Yes	Yes
12VVV	11-L	Intermittent	Waters 12VVV is an intermittent ditch located in the I-95 median north of the I-495 outer loop park-n-ride exit ramp that flows south into Waters 12II.	-	Silt, sand, gravel Width: 1-3.5 ft Depth: < 1 in – 3 in	Right: forest Left: forest	No	Yes
12W	W39PG	PFO	Wetland 12W is a PFO located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound that abuts Waters 12V and Wetland 12X.	Sweet-gum Red maple Japanese honeysuckle	-	-	Yes	Yes
12WW	11-K	Perennial	Waters 12WW is a perennial channel located north of the I-95/I-495 interchange, west of Adirondack Run that flows southwest into Waters 12II.	-	Silt, sand, cobble, gravel, riprap Width: 6-10 ft Depth: 6-12 in	Right: forest Left: forest	Yes	Yes
12WW_1							Yes	Yes
12WW_2							Yes	Yes
12WW_C							Yes	Yes
12WW_C1							Yes	Yes
12WWW	-	Intermittent	Waters 12WWW is an intermittent ditch and channel located east of I-95 north and northwest of Appalachian Trail Road. The feature is considered a ditch from its origin and under I-95 northbound until it reaches the median. The feature then flows west into Waters 12YYY.	-	Cobble, sand, gravel, concrete Width: 3-15 ft Depth: 1 in – 3 in	Right: forest Left: forest	No	Yes
12WWW_1							Yes	Yes
12WWW_C							No	Yes
12X	-	PEM	Wetland 12X is a PEM located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound that abuts Wetland 12W and Waters 12Y.	Callery pear Japanese stilt grass Broad-leaf cat-tail	-	-	Yes	Yes
12XX	11-A	Perennial	Waters 12XX is a perennial channel located north of the I-495 outer loop, east of Edgefield Drive that flows east into Waters 12II.	-	Silt, sand, cobble, gravel, bedrock Width: 4-6 ft Depth: < 1 ft	Right: forest Left: forest	Yes	Yes
12XX_1							Yes	Yes
12XX_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12XXX	-	PEM	Wetland 12XXX is a PEM located in the median of I-95, south of Sellman Road, that abuts Waters 12YYY.	Broad-leaf cat-tail	-	-	Yes	Yes
12Y	11-EE	Intermittent	Waters 12Y is an intermittent ditch and channel located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound. The feature is considered a ditch as it flows south until it abuts Wetland 12W, then flows east through Waters 12Y_C into Waters 12HH.	-	Silt, sand Width: 2-4 ft Depth: 1-6 in	Right: forest Left: forest, roadway	Yes	Yes
12Y_C							Yes	Yes
12Y_D							No	Yes
12YY	-	PFO	Wetland 12YY is a PFO located north of the I-495 outer loop and west of I-95 southbound.	Red maple Northern spicebush Green ash Winterberry Japanese honeysuckle Amur peppervine Frost grape	-	-	Yes	Yes
12YYY	-	Perennial	Waters 12YYY is an intermittent channel located in the median of I-95, south of Sellman Road, that flows south from Wetland 12XXX into Waters 12WWW.	-	Silt, cobble, sand, gravel Width: 2-5 ft Depth: 1-6 in	Right: roadway embankment Left: forest	Yes	Yes
12YYY_1							Yes	Yes
12YYY_2							Yes	Yes
12YYY_C							Yes	Yes
12YYY_C1							Yes	Yes
12Z	W38PG	Intermittent	Waters 12Z in an intermittent ditch located in the I-495 median, west of the I-95 southbound ramp to the park-and-ride.	-	Mud, concrete Width: 30 in Depth: 1 in	Right: forest Left: roadway	No	Yes
12Z_C							No	Yes
12ZZ	11-KK	Intermittent	Waters 12ZZ is an intermittent channel located within the I-95/I-495 interchange, west of the I-95 northbound/I-495 westbound split that flows south from the confluence of Waters 12PPP and Waters 12QQQ into Waters 12II.	-	Silt, cobble, gravel, riprap, muck Width: 2-30 ft Depth: 2-6 in	Right: forest Left: forest	Yes	Yes
12ZZZ	-	PFO	Wetland 12ZZZ is a PFO located west of I-95 south and northeast of the terminus of Edgefield Drive.	American sycamore American hornbeam River birch Red maple Leafy bulrush	-	-	Yes	Yes
Subsegment 13								
13A	W220M	Intermittent	Waters 13A is an intermittent channel located south of I-495 and northwest of Corliss Street that flows southwest outside of the study area.	-	Silt, sand, cobble, gravel, concrete Width: 8-10 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
13B	-	Intermittent	Waters 13B is an intermittent channel located within the southwest cloverleaf of the I-495/New Hampshire Avenue interchange that flows southwest from a culvert into Waters 13C.	-	Sand, cobble, gravel, concrete Width: 2-4 ft Depth: 0-0.1 in	Right: forest Left: grass, ROW	No	Yes
13B_C							No	Yes
13C	-	Intermittent	Waters 13C is an intermittent channel located south of I-495 and north of Muskogee Street. The feature originates from Waters 13B under the I-495 on ramp, flows back under I-495 near 24th Avenue, and into Waters 13Z.	-	Silt, sand, cobble, riprap, gabion baskets Width: 4-6 ft Depth: 0-1 in	Right: forest Left: forest	No	Yes
13C_1							No	Yes
13C_C							No	Yes
13C_C1							No	Yes
13E	-	Ephemeral	Waters 13E is an ephemeral channel located north of I-495 and southeast of Big Rock Road that originates as an erosional headcut at I-495 and flows into Waters 13F.	-	Silt, sand, cobble, gravel Width: 3-4 ft Depth: 1-4 in	Right: forest Left: forest	Yes	No
13F	-	Perennial	Waters 13F is a perennial channel located north of I-495 and east of the terminus of Cherry Tree Lane that originates at a culvert and flows east.	-	Silt, sand, cobble, gravel, bedrock Width: 10-20 ft Depth: 2-24 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
13G	-	Intermittent	Waters 13G is an intermittent channel located north of I-495 and southeast of Big Rock Road that originates at the end of a concrete ditch draining I-495 and flows northeast into Waters 13F.	-	Silt, sand, cobble, gravel, bedrock Width: 2-4 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
13H	W17M	Perennial	Waters 13H is a perennial channel located north of I-495 and southeast of Cherry Tree Lane that flows into Waters 13F.	-	Silt, sand, cobble, gravel, bedrock Width: 2-6 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
13I	-	Ephemeral	Waters 13I is an ephemeral channel located south of I-495 and east of the terminus of East Indian Spring Drive that runs flows southeast from a pipe and through the sub-segment and becomes an intermittent channel before flowing into Waters 13P.	-	Silt, sand, cobble, gravel, bedrock Width: 6 ft Depth: 2 in	Right: forest Left: forest	Yes	No
13I_1		Intermittent					Yes	Yes
13J	-	Intermittent	Waters 13J is a man-made intermittent channel that originates in the northeast cloverleaf of the I-495/US 193 interchange and flows east under the exit ramp from the I-495 outer loop to US 193 and outside of the study area.	-	Silt, sand, gravel, concrete Width: 4 ft Depth: 6-12 in	Right: highway Left: mowed grass	No	Yes
13J_1							No	Yes
13J_2							No	Yes
13J_C							No	Yes
13J_C1							No	Yes
13K	-	Intermittent	Waters 13K is a partially concrete-lined intermittent channel located north of I-495 and west of Cresthaven Drive that originates at a concrete-lined drainage swale and flows west into northwest Branch Anacostia River.	-	Silt, sand, cobble, gravel, concrete Width: 1-2 ft Depth: 2-5 in	Right: forest Left: forest	Yes	Yes
13L	-	Ephemeral	Waters 13L is a partially concrete-lined ephemeral channel located south of I-495 and northwest of the terminus of Oakview Drive that originates at a concrete lined drainage swale and flows west into northwest Branch Anacostia River.	-	Silt, sand, cobble, gravel, concrete Width: 3 ft Depth: 0-2 in	Right: forest Left: forest	Yes	No
13M	W11M	Perennial	Waters 13M is an channel with perennial and intermittent flow located west of the I-495/MD 650 interchange that flows west along the outer loop and then southwest under I-495 and out of the study area.	-	Silt, sand, cobble, gravel Width: 4-8 ft Depth: 6-20 in	Right: forest, I-495 Left: forest, neighborhood	Yes	Yes
13M_1	-	Perennial					Yes	Yes
13M_C	-	Perennial					Yes	Yes
13M_D	-	Intermittent					No	Yes
13N	-	Ephemeral	Waters 13N is an ephemeral channel located south of I-495 and north of East Light Drive that originates at a headcut at a pipe outfall adjacent to the sound wall and flows southeast into Waters 13M.	-	Bedrock, concrete Width: 3-4 ft Depth: 0-1 in	Right: forest, I-495 Left: forest, neighborhood	Yes	No
13O	W218M	Intermittent	Waters 13O is an intermittent channel located south of I-495 and north of Hedin Drive that flows southeast into Water 13M.	-	Silt, sand, cobble, gravel Width: 2-3 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
13P	W15M	Perennial	Waters 13P is northwest Branch Anacostia River, a perennial channel located east of Big Rock Road and McAlpine Road and west of Cresthaven Drive and Oakview Drive that flows south under I-495.	-	Silt, sand, cobble, bedrock Width: 40 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
13P_1							Yes	Yes
13P_B							Yes	Yes
13Q	-	Intermittent	Waters 13Q is an intermittent channel located north of I-495 and south of the intersection of Elton Road and Avenel Gardens Lane that flows east into a culvert under I-495.	-	Concrete Width: 1 ft Depth: 0-0.1 in	Right: forest Left: forest	No	Yes
13Q_C							No	Yes
13R	-	Intermittent	Waters 13R is an intermittent channel located northeast of the I-495/New Hampshire Avenue interchange that flows south from an outfall under Elton Road.	-	Concrete Width: 1 ft Depth: 0.5 in	Right: grass, road Left: grassy hillslope	No	Yes
13R_C							No	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
13S	W8M	Intermittent	Waters 13S is an intermittent channel that originates in the northern cloverleaf of the I-495/New Hampshire Avenue interchange and flows northwest under two ramps and into Waters 13M.	-	Sand, muck Width: 2 ft Depth: 0-4 in	Right: forest Left: forest	Yes	Yes
13S_1							Yes	Yes
13S_C							Yes	Yes
13T	W202M	Intermittent	Waters 13T is an intermittent channel located in the southern cloverleaf of the I-495/New Hampshire Avenue interchange that flows southwest to a stormwater inlet.	-	Muck Width: 6 ft Depth: 0-1 in	Right: forest Left: forest	No	Yes
13T_C							No	Yes
13U		POW	Waters 13U is a POW located north of I-495 and east of Devere Road.	-	Sand, silt, and muck Width: 25-30 ft Depth: Unknown	Right: grass field Left: grass field	Yes	Yes
13X	-	Perennial	Waters 13X is a perennial channel located north of I-495 and east of Devere Road that flows southwest from an outfall under a gravel pathway and into Waters 13Y.	-	Sand, gravel Width: 2-6 ft Depth: 0-12 in	Right: grass Left: grass	Yes	Yes
13X_1							Yes	Yes
13X_C							Yes	Yes
13Y	-	Perennial	Waters 13Y is a perennial channel located north of I-495 and east of Devere Road that flows southeast into Waters 13M and a culvert under I-495.	-	Sand, cobble, gravel Width: 2-8 ft Depth: 0-5 in	Right: forest Left: grass	Yes	Yes
13Z	-	Intermittent	Waters 13Z is an intermittent channel located north of I-495 and south of Elton Road that flows east into a culvert under I-495.	-	Silt, sand, cobble, concrete Width: 3-8 ft Depth: 0.5-2 in	Right: forest Left: forest	No	Yes
Subsegment 14								
14A	W199M	Intermittent	Waters 14A is an intermittent channel located west of the I-495/University Boulevard interchange that flows south through a culvert under I-495 and continues outside the study area.	-	Silt, muck Width: 1-8 ft Depth: 1-6 in	Right: forest Left: forest	Yes	Yes
14A_1							Yes	Yes
14A_C							Yes	Yes
14B	-	Intermittent	Waters 14B is an intermittent channel located north of the I-495 outer loop and west of University Boulevard that originates at a culvert outfall and drains south into Wetland 14D.	-	Silt, sand, gravel Width: 1-3 ft Depth: 4-6 in	Right: mowed grass Left: mowed grass	Yes	Yes
14C	10-C	PEM	Wetland 14C is PEM located south of the I-495 inner loop and east of Colesville Road.	Broad-leaf cat-tail	-	-	Yes	Yes
14D	-	PSS	Wetland 14D is a PSS located north of the I-495 outer loop and west of University Boulevard that abuts Waters 14A and Waters 14B.	Black willow Common button bush (<i>Cephalanthus occidentalis</i>) Broad-leaf cat-tail	-	-	Yes	Yes
14E	-	Perennial	Waters 14E is a perennial channel that originates north of the I-495 outer loop and east of Colesville Road that flows through a culvert under I-495 and continues south beyond the study area.	-	Silt, concrete, muck Width: 4-6 ft Depth: 1-10 in	Right: forest Left: forest	Yes	Yes
14E_C							Yes	Yes
14E_C1							Yes	Yes
14E_D							Yes	Yes
14F	W28M	PEM	Wetland 14F is a PEM located within the northwest cloverleaf of the I-495/Colesville Road interchange.	Broad-leaf cat-tail Marsh primrose-willow Climbing nightshade	-	-	Yes	Yes
14G	W246M	Intermittent	Waters 14G is an intermittent channel that originates at a culvert north of the I-495 outer loop and east of Sligo Creek Parkway that flows through a culvert under I-495 and continues south outside the study area.	-	Silt, sand, cobble, gravel, concrete, riprap Width: 2-11 ft Depth: 2-10 in	Right: mowed grass Left: mowed grass	Yes	Yes
14G_1							Yes	Yes
14G_C							Yes	Yes
14I	-	PFO	Wetland 14I consists of two PFO areas located south of the I-495 inner loop and north of Fairway Avenue that abut Waters 14E and Waters 14J.	Pin oak Silver maple American elm Southern catalpa (<i>Catalpa bignonioides</i>) Southern crabapple (<i>Malus angustifolia</i>) Swamp smartweed Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
14J	-	Intermittent	Waters 14J is an intermittent channel located south of the I-495 inner loop and north of Fairway Avenue that originates within Wetland 14I and flows south into Waters 14E.	-	Silt, sand, muck Width: 1-3 ft Depth: 1-4 in	Right: forest Left: forest	Yes	Yes
14K	-	PFO	Wetland 14K is a PFO located south of the I-495inner loop, east of University Boulevard, and north of East Granville Drive.	Pin oak northern red oak (<i>Quercus rubra</i>) Straw-colored flatsedge Amur peppervine	-	-	Yes	Yes
Subsegment 15								
15A	-	Intermittent	Waters 15A is an intermittent channel located north of the I-495 outer loop and east of Georgia Avenue that flows east into a culvert under I-495.	-	Silt, cobble, sand, gravel, concrete, muck, riprap Width: 3-15 ft Depth: 1-10 in	Right: forest Left: forest	Yes	Yes
15A_C							Yes	Yes
15B	-	Intermittent	Waters 15B is an intermittent channel located north of the I-495 outer loop and east of Georgia Avenue that originates at a culvert outfall and flows south into Waters 15A.	-	Silt, cobble, sand, gravel, muck, riprap Width: 3-10 ft Depth: 1-12 in	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
15C	-	Intermittent	Waters 15C is an intermittent channel located north of the I-495 outer loop and west of Sligo Creek Parkway that flows southwest from a culvert under I-495 into Waters 15D.	-	Silt, sand, muck Width: 4-8 ft Depth: 1-10 in	Right: forest Left: forest	No	Yes
15D	-	Perennial	Waters 15D is a perennial channel known as Sligo Creek that flows under I-495, west of Sligo Creek Parkway.	-	Silt, cobble, sand, gravel, riprap Width: 20-30 ft Depth: 4-15 in	Right: forest Left: forest	Yes	Yes
15D_1							Yes	Yes
15D_C							Yes	Yes
15E	-	Ephemeral	Waters 15E is an ephemeral channel located north of the I-495 outer loop and west of Sligo Creek Parkway that originates at a culvert outfall and drains east into Waters 15D.	-	Silt, sand, gravel Width: 4-5 ft Depth: 2-5 in	Right: forest Left: forest	Yes	No
15F	-	Intermittent	Waters 15F is an intermittent channel located east of Holy Cross Hospital and south of Forest Glen Road, just west of Silgo Creek Trail.	-	Silt, sand, cobble Width: 5 ft Depth: 1 ft	Right: mowed lawn Left: mowed lawn	Yes	Yes
Subsegment 16								
16A	-	Perennial	Waters 16A is a perennial channel known as Forest Glen Creek located west of Linden Lane that flows southwest under I-495 and into Waters 19K. Waters 16A flows through subsegments 16 and 17.	-	Silt, cobble, bedrock, sand, gravel Width: 20-30 ft Depth: 4 in – 1 ft	Right: forest Left: forest	Yes	Yes
16A_1							Yes	Yes
16A_2							Yes	Yes
16A_C							Yes	Yes
16A_C1							Yes	Yes
16A_C2							Yes	Yes
16B	-	Intermittent	Waters 16B is an intermittent channel located north of the I-495 outer loop and west of Linden Lane that flows south from a small drainage pipe into Waters 16A.	-	Silt, muck Width: 1-2 ft Depth: 1 in	Right: forest Left: forest	Yes	Yes
16C	-	Perennial	Waters 16C is a perennial channel located north of the I-495 outer loop and west of Linden Lane that flows south from a culvert outfall into Waters 16A.	-	Silt, cobble, bedrock, sand, gravel, riprap Width: 8-10 ft Depth: 2-10 in	Right: forest Left: forest	Yes	Yes
16D	-	Intermittent	Waters 16D is an intermittent channel that originates at a culvert outfall southeast of Hill Street and flows south through a culvert under I-495 into Waters 16A.	-	Silt, concrete Width: 2 ft Depth: 1 in	Right: forest Left: forest	No	Yes
16D_C							No	Yes
16E	-	Intermittent	Waters 16E is an intermittent channel located south of the I-495 inner loop that receives runoff from a culvert under I-495 and flows west into a culvert just north of Westview Drive.	-	Silt, sand, muck Width: 5-8 ft Depth: 2-6 in	Right: forest Left: forest, mowed lawn	Yes	Yes
16E_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
16F	-	Ephemeral	Waters 16F is an ephemeral channel located south of the I-495 inner lop and east of Seminary Road that originates at a broken concrete channel and drains north into Waters 16G.	-	Silt, cobble, sand, gravel Width: 6-10 ft Depth: 1-3 in	Right: forest Left: forest	Yes	No
16G	-	Perennial	Waters 16G is a perennial channel located south of the I-495 inner loop that flows west through a culvert under Seminary Road and the CSX railway tracks and into Waters 16A.	-	Silt, cobble, bedrock, sand, gravel, concrete, riprap Width: 5-20 ft Depth: 1-24 in	Right: forest Left: forest	Yes	Yes
16G_1							Yes	Yes
16G_B							Yes	Yes
16G_C							Yes	Yes
16G_C1							Yes	Yes
16G_D							Yes	Yes
16G_D1							Yes	Yes
16H	-	PEM	Wetland 16H is a PEM located northwest of the I-495/MD 97 interchange.	Broad-leaf cat-tail Mild water-pepper Spotted lady's-thumb (<i>Persicaria maculosa</i>)	-	-	Yes	Yes
16I	-	Perennial	Waters 16I is a perennial channel located south of the I-495 inner loop and east of Linden Lane that flows north into Waters 16G.	-	Silt, cobble, bedrock, sand, gravel Width: 4-12 ft Depth: 1-12 in	Right: forest Left: forest	Yes	Yes
16J	-	Ephemeral	Waters 16J is an ephemeral channel located south of the I-495 inner loop that originates at a culvert outfall and drains west under Linden Lane into Waters 16G.	-	Silt, cobble, sand, gravel Width: 4-6 ft Depth: 1-8 in	Right: forest Left: forest	Yes	No
16J_1							Yes	No
16J_B							Yes	No
16K	-	Ephemeral	Waters 16K is an ephemeral channel located south of the I-495 inner loop and north of Newcastle Avenue that drains north into Waters 16G.	-	Silt, sand, cobble, gravel, bedrock Width: 3-5 ft Depth: 3-6 in	Right: forest Left: forest	Yes	No
16L	-	PFO	Wetland 16L is a PFO located south of I-495 and north of Newcastle Avenue adjacent to Waters 16G.	Ash-leaf maple American elm Green ash Amur peppervine	-	-	Yes	Yes
Subsegment 17								
17A	07-B	PEM	Wetland 17A is a PEM located north of the I-495 outer loop exit ramp to MD 185.	Broad-leaf cat-tail Seaside club-rush (<i>Schoenoplectus robustus</i>)	-	-	Yes	Yes
17AA	-	PFO	Wetland 17AA is a PFO located south of the I-495 inner loop, west of Park View Road that abuts Waters 17BB.	Ash-leaf maple Swamp smartweed Green ash	-	-	Yes	Yes
17B	07-C	Ephemeral	Waters 17B is an ephemeral channel located north of the I-495 outer loop exit ramp to MD 185 that originates at a culvert and flows north into Waters 19K.	-	Silt, sand Width: 2-4 ft Width: 9 in	Right: forest Left: forest	Yes	No
17BB	-	Intermittent	Waters 17BB is an intermittent channel located south of the I-495 inner loop and north of Glenmoor Drive that flows north from a culvert into another culvert under I-495.	-	Silt, sand, gravel, cobble Width: 5-10 ft Depth: 2-10 in	Right: forest Left: forest	Yes	Yes
17BB_C							Yes	Yes
17C	-	Intermittent	Waters 17C is an intermittent channel located west of the I-495 outer loop and east of Beach Drive that flows from a potential wetland outside of the study area into Waters 19K.	-	Silt, clay Width: 2.5-5 ft Depth: 1-2 in	Right: forest Left: forest	Yes	Yes
17CC	-	PFO	Wetland 17CC is a PFO located south of the I-495 inner loop and north of Glenmoor Drive, adjacent to Waters 17BB.	Red maple northern red oak Mockernut hickory (<i>Carya tomentosa</i>) Ash-leaf maple Smooth blackhaw Swamp smartweed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
17D	-	Perennial	Waters 17D is a perennial channel located west of the I-495 outer loop and east of Beach Drive that flows from a large PFO wetland outside of study area into Waters 19K.	-	Silt, sand, riprap Width: 6 ft Depth: 2-4 in	Right: forest Left: forest	Yes	Yes
17DD	-	Intermittent	Waters 17DD is an intermittent channel located south of the I-495 inner loop and north of Glenmoor Drive that flows northeast from a spring seep into a culvert under I-495.	-	Silt, sand, gravel, cobble Width: 3-5 ft Depth: 2-3 in	Right: forest Left: forest	Yes	Yes
17DD_C							Yes	Yes
17E	-	PFO	Wetland 17E is a PFO located west of I-495 and east of Beach Drive.	Ash-leaf maple Green ash Northern spicebush Creeping-jenny (<i>Lysimachia nummularia</i>) Bristly lady's thumb	-	-	Yes	Yes
17F	-	Perennial	Waters 17F is a perennial channel located west of I-495 and south of the intersection of Beach Drive and Stoneybrook Drive that flows southwest from a culvert into Waters 19K.	-	Silt, sand, muck Width: 5-10 ft Depth: 4-15 in	Right: hedgerow Left: hedgerow	Yes	Yes
17FF	-	PFO	Wetland 17FF is a PFO located west of the I-495 outer loop and south of the intersection of Beach Drive and Stoneybrook Drive, that abuts Wetland 17K.	Red maple Ash-leaf maple American elm Creeping-jenny	-	-	Yes	Yes
17GG	-	PFO	Wetland 17GG is a PFO located north of the I-495 outer loop exit ramp to MD 185.	White willow (<i>Salix alba</i>) American sycamore Green ash Common reed Amur peppervine Winter creeper	-	-	No	Yes
17K	-	PFO	Wetland 17K is a PFO located west of the I-495 outer loop and south of the intersection of Beach Drive and Stoneybrook Drive that abuts Wetland 17FF.	Ash-leaf maple Red maple Green ash American sycamore Duck-potato	-	-	Yes	Yes
17L	-	PFO	Wetland 17L is a PFO located west of the I-495 outer loop and east of Beach Drive that abuts Wetland 17M.	Mild water-pepper Creeping-jenny Fringed sedge	-	-	Yes	Yes
17M	-	PFO	Wetland 17M is a PFO located west of the I-495 outer loop and east of Beach Drive that abuts Wetland 17L.	Ash-leaf maple American sycamore Creeping-jenny	-	-	Yes	Yes
17N	-	Ephemeral	Waters 17N is an ephemeral channel located north of the I-495 outer loop and south of Beach Drive that flows south from outside of the study area into Waters 19K.	-	Silt Width: 1-3 ft Depth: 3-5 in	Right: forest Left: forest	Yes	No
17O	-	PFO	Wetland 17O is a PFO located north of the I-495 outer loop and south of Beach Drive.	Ash-leaf maple Japanese stilt grass	-	-	Yes	Yes
17Q	-	Ephemeral	Waters 17Q is an ephemeral channel located north of the I-495 outer loop and southeast of Beach Drive that flows southeast from a culvert into Waters 19K.	-	Silt Width:1-2 ft Depth: 2-4 in	Right: forest Left: forest	Yes	No
17R	-	Ephemeral	Waters 17R is an ephemeral channel located north of the I-495 outer loop that flows north from a culvert into Waters 19K.	-	Silt, riprap Width: 1-3 ft Depth: 2-4 in	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
17S	W57M	PFO	Wetland 17S is a PFO wetland located northwest of the I-495 outer loop and south of Beach Drive in the floodplain of Waters 19K.	Ash-leaf maple Sensitive fern Rambler rose Northern spicebush Creeping-jenny Japanese stilt grass American hornbeam Small-spike false nettle Eastern poison ivy Mild water-pepper	-	-	Yes	Yes
17T	-	PEM	Wetland 17T is a PEM located east of the I-495 inner loop and west of Jones Mill Road, adjacent to Waters 16A and Waters 19K.	Japanese stilt grass Small carp grass (<i>Arthraxon hispidus</i>)	-	-	Yes	Yes
17U	W61M	PFO	Wetland 17U is a PFO located northeast of the I-495 outer loop exit ramp to MD 185.	Skunk-cabbage Northern spicebush Red maple Canadian clearweed (<i>Pilea pumila</i>) Royal fern Unknown willow species (<i>Salix</i> sp.) Small-spike false nettle American sycamore Ash-leaf maple Green arrow-arum Halberd-leaf tearthumb Rice cut grass	-	-	Yes	Yes
17V	-	PFO	Wetland 17V is a PFO located south of the I-495 inner loop and west of Jones Mill Road that abuts Waters 17W and Waters 17Z.	Ash-leaf maple Common duckweed (<i>Lemna minor</i>)	-	-	Yes	Yes
17W	-	Ephemeral	Waters 17W is an ephemeral channel located east of the I-495 inner loop and west of Jones Mill Road that flows northeast from Wetland 17V into Waters 19K.	-	Silt Width: 1 ft Depth: 2-3 in	Right: forest Left: forest	Yes	No
17X	-	PFO	Wetland 17X is a PFO located north of the I-495 outer loop and east of Kensington Parkway.	Red maple Green arrow-arum Japanese stilt grass Amur peppervine	-	-	Yes	Yes
17Y	-	Intermittent	Waters 17Y is an intermittent channel located north of the I-495 outer loop exit ramp to MD 185 that flows north from a culvert under I-495 into Waters 19K.	-	Silt, sand, gravel, cobble Width: 6-8 ft Depth: 2-6 in	Right: forest Left: forest	Yes	Yes
17Z	-	Ephemeral	Waters 17Z is an ephemeral channel located south of the I-495 inner loop and north of Park View Road that flows northeast from a culvert under I-495 into Wetland 17V.	-	Silt, sand, cobble, riprap Width: 3-10 ft Depth: 2-5 in	Right: forest Left: forest	Yes	No
Subsegment 18								
18A	W67M	Intermittent	Waters 18A is an intermittent channel located northwest of the I-495/MD 185 interchange that originates at a culvert under I-495 and flows north into Waters 19K.	-	Silt, cobble, sand, gravel Width: 4-8 ft Depth: 1-6 in	Right: forest Left: forest	Yes	Yes
18B	W167M	Ephemeral	Waters 18B is an ephemeral channel located southwest of the I-495/MD 185 interchange that flows north through a culvert under I-495 and into Waters 18A.	-	Silt, cobble, gravel, muck Width: 4 ft Depth: 2-4 in	Right: forest Left: forest	Yes	No
18B_C							Yes	No
18C	-	Perennial	Waters 18C is a perennial channel located west of Connecticut Avenue that flows northeast from outside of the study area, under I-495, and into Waters 19K.	-	Silt, cobble, sand, gravel, riprap Width: 10-30 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
18C_1							Yes	Yes
18C_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
18D	-	Perennial	Waters 18D is a perennial channel located north of the I-495 outer loop and east of Cedar Lane that flows south under Beach Drive into Waters 19K.	-	Silt, cobble, sand, gravel, concrete rubble Width: 5-8 ft Depth: 2 in	Right: hedgerow, mowed grass Left: forest	Yes	Yes
18D_1							Yes	Yes
18D_2							Yes	Yes
18D_C							Yes	Yes
18D_C1							Yes	Yes
18F	07-D	PFO	Wetland 18F is a PFO located northwest of the I-495/Connecticut Avenue interchange.	Ash-leaf maple Green ash Morrow's honeysuckle Northern spicebush Small-spike false nettle Asian bittersweet	-	-	Yes	Yes
18G	-	Intermittent	Waters 18G is an intermittent channel located southwest of the I-495/Connecticut Avenue interchange that originates at a culvert outside of the study area and flows north into a culvert under I-495 and into Waters 19K.	-	Silt, cobble, sand, gravel, riprap Width: 5-12 ft Depth: 3-12 in	Right: meadow, forest Left: meadow, forest	Yes	Yes
18G_C							Yes	Yes
18G_D							Yes	Yes
18H	-	PFO	Wetland 18H is a PFO located north of the I-495 outer loop and west of Connecticut Avenue.	Ash-leaf maple American sycamore Small-spike false nettle Green ash Northern spicebush Eastern poison ivy	-	-	Yes	Yes
18I	W65M	Perennial	Waters 18I is a perennial channel located northeast of the I-495 outer loop and east of Cedar Lane that flows northeast from a culvert under I-495 into Waters 19K outside of the study area.	-	Silt, sand, gravel Width: 8-10 ft Depth: 0 in – 1 ft	Right: forest Left: forest	Yes	Yes
18J	-	Ephemeral	Waters 18J is an ephemeral channel located northeast of the I-495 outer loop and east of Cedar Lane that flows southeast from Wetland 18K into Waters 18I.	-	Silt, sand, muck Width: 2-4 ft Depth: 0 in	Right: forest Left: forest	Yes	No
18K	-	PFO	Wetland 18K is a PFO located northeast of the I-495 outer loop and east of Cedar Lane that abuts Waters 18J.	Ash-leaf maple American sycamore Small-spike false nettle Japanese stilt grass White grass	-	-	Yes	Yes
18L	-	PFO	Wetland 18L is a PFO located northeast of the I-495 outer loop, south of Beach Drive, and west of Connecticut Avenue.	Ash-leaf maple Northern spicebush Amur peppervine	-	-	Yes	Yes
18M	-	PFO	Wetland 18M is a PFO located northeast of the I-495 outer loop and east of Cedar Lane.	Ash-leaf maple Morrow's honeysuckle Eastern cottonwood (<i>Populus deltoides</i>) Green ash Dotted smartweed Rambler rose Eastern poison ivy Lamp rush Canadian clearweed Unknown grape species Scarlet beebalm (<i>Monarda didyma</i>) Asparagus (<i>Asparagus officinalis</i>) nodding burr-marigold (<i>Bidens cernua</i>) Silver maple	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
18X	-	Perennial	Waters 18X is a perennial channel located northeast of the I-495 outer loop and east of Cedar Lane that flows northeast into Waters 19K.	-	Silt, sand, muck Width: 3-4 ft Depth: 1 in – 1 ft	Right: forest Left: forest	Yes	Yes
Subsegment 19								
19A	-	Intermittent	Waters 19A is an intermittent channel located west of the ramp from Rockville Pike to I-270 northbound that flows south into a 36-inch concrete pipe.	-	Silt, sand Width: 3-5 ft Depth: 2 in	Right: hedgerow Left: hedgerow	No	Yes
19A_C	-						No	Yes
19B	W81M	Intermittent	Waters 19B is an intermittent channel located west of the I-495/I-270 interchange that flows south from outside of the study area, through a 24-inch diameter culvert under the I-495 outer loop, and into Waters 19F.	-	Silt, sand, gravel, muck Width: 2-3 ft Depth: 5-8 in	Right: forest Left: forest	Yes	Yes
19B_C							Yes	Yes
19C	W78M	Perennial	Waters 19C is a perennial channel located west of the I-495/I-270 interchange that flows southeast from outside the study area, through a culvert under the I-495 outer loop, and into Waters 19F.	-	Silt, sand, cobble, gravel Width: 15 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
19C_C							Yes	Yes
19D	W80M	PFO	Wetland 19D is a PFO located west of the I-495/I-270 interchange, adjacent to Waters 19C.	Tuliptree Red maple Northern spicebush	-	-	Yes	Yes
19E	-	Intermittent	Waters 19E is an intermittent channel located within the I-495 median, west of Rockville Pike that flows northeast into Waters 19F.	-	Concrete Width: 3 ft Depth: 2 in	Right: hedgerow Left: hedgerow	No	Yes
19F	W162M	Perennial	Waters 19F is a perennial channel located west of the I-495/I-270 interchange that originates at a culvert in the I-495 median and flows southeast through another culvert under the I-495 inner loop and out of the study area.	-	Sand, cobble, gravel Width: 2-3 ft Depth: 0.5-2 ft	Right: forest Left: forest	Yes	Yes
19F_1	W162M						Yes	Yes
19F_2	W162M						Yes	Yes
19F_3	-						Yes	Yes
19F_4	-						Yes	Yes
19F_C	W162M						Yes	Yes
19F_C1	W162M						Yes	Yes
19F_C2	-						Yes	Yes
19G	-	Intermittent	Waters 19G is an intermittent channel located within the I-495 median, west of Rockville Pike that flows south from a culvert under the I-495 outer loop into Waters 19F.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 3 in	Right: hedgerow Left: hedgerow	Yes	Yes
19J	W157M	Perennial	Waters 19J is a perennial channel located east of the I-495/MD 187 interchange that flows northeast into a culvert under I-495 and out of the study area.	-	Silt, sand, gravel, muck Width: 3-15 ft Depth: 2-12 in	Right: forest, shrubs Left: forest, dense bamboo	Yes	Yes
19J_1							Yes	Yes
19J_2							Yes	Yes
19J_C							Yes	Yes
19J_C1							Yes	Yes
19K	-	Perennial	Waters 19K is a perennial channel known as Rock Creek located north of and parallel to the I-495 outer loop that flows into the Potomac River.	-	Silt, sand, cobble, gravel, muck, concrete Width: 20-40 ft Depth: 0.5-6 ft	Right: forest Left: forest	Yes	Yes
19K_1							Yes	Yes
19K_2							Yes	Yes
19K_3							Yes	Yes
19K_4							Yes	Yes
19K_5							Yes	Yes
19K_6							Yes	Yes
19K_7							Yes	Yes
19K_8							Yes	Yes
19K_B							Yes	Yes
19K_B1							Yes	Yes
19K_B2							Yes	Yes
19M	-	PFO	Wetland 19M is a PFO located north of the I-495 outer loop, west of Cedar Lane in the floodplain of Waters 19K.	Ash-leaf maple Silver maple Small-spike false nettle Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
19N	-	Perennial	Waters 19N is a perennial channel located east of Rockville Pike that flows southeast under Beach Drive into Waters 19K.	-	Silt, cobble, sand, gravel Width: 15 ft Depth: 6-12 in	Right: mowed grass, shrubs Left: forest	Yes	Yes
19O	-	PFO	Wetland 19O is a PFO located east of the Rockville Pike exit ramp to Grosvenor Lane that abuts Waters 19X.	Ash-leaf maple Japanese stilt grass Sweet wood-reed	-	-	Yes	Yes
19Q	-	PFO	Wetland 19Q is PFO located east of the Rockville Pike on-ramp from the I-495 outer loop.	Red maple American elm Small-spike false nettle Japanese stilt grass Sweet wood-reed	-	-	Yes	Yes
19R	-	Intermittent	Waters 19R is an intermittent channel located north of the Rockville Pike on-ramp from the I-495 outer loop that flows southeast from Wetland 19Q into Waters 19K.	-	Silt, sand, muck Width: 2-15 ft Depth: 1 in – 2 ft	Right: forest Left: forest	Yes	Yes
19R_1							Yes	Yes
19S	W75M	PFO	Wetland 19S is a PFO located east of the I-495/Rockville Pike interchange that abuts Waters 19R.	American elm Pin oak Green ash Rambler rose Japanese stilt grass Rice cut grass Japanese honeysuckle	-	-	Yes	Yes
19T	-	Perennial	Waters 19T is a perennial channel located east of Bellevue Drive that flows northeast under I-495 and into Waters 19K.	-	Silt, sand, gravel, muck, riprap Width: 12 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
19T_1							Yes	Yes
19T_C							Yes	Yes
19U	-	PFO	Wetland 19U is a PFO located east of the I-495 outer loop, northwest of Cedar Lane.	Ash-leaf maple American sycamore Northern spicebush Green ash	-	-	Yes	Yes
19V	-	Perennial	Waters 19V is a perennial channel located south of the I-495 inner loop, west of Cedar Lane that flows northeast into Rock Creek.	-	Sand, cobble, gravel, concrete Width: 10-16 ft Depth: 0.1-2 ft	Right: forest Left: forest	Yes	Yes
19V_C							Yes	Yes
19W	-	PFO	Wetland 19W is a PFO located south of the I-495 inner loop, east of the onramp from Rockville Pike.	River birch Green ash Unknown elm species (<i>Ulmus</i> sp.) Japanese stilt grass	-	-	Yes	Yes
19X	-	Ephemeral	Waters 19X is an ephemeral channel located east of the Rockville Pike northbound exit ramp to Grosvenor Lane that flows east into Wetland 19O.	-	Silt, sand, gravel Width: 3 ft Depth: 0-1 in	Right: forest Left: forest	Yes	No
19Y	-	PEM	Wetland 19Y is a PEM that is in line with Waters 19R located east of the I-95/Rockville Pike interchange and abuts Wetland S.	Pickerelweed (<i>Pontederia cordata</i>) Shallow sedge	-	-	Yes	Yes
Subsegment 20								
20B	-	Intermittent	Waters 20B is an intermittent channel located south of the I-495 inner loop that originates at a 2-foot culvert under I-495 and flows southwest out of the study area through another 2-foot pipe.	-	Silt, cobble, gravel, riprap Width: 5 ft Depth: 3 in	Right: hedgerow Left: hedgerow	Yes	Yes
20C	-	Perennial	Waters 20C is a perennial channel located south of the I-495 inner loop and east of Greentree Road that flows south through a 4-foot culvert and converges with Waters 20D.	-	Silt, cobble, sand, gravel Width: 1-3 ft Depth: 6 in	Right: Scrub-shrub Left: Scrub-shrub	Yes	Yes
20D	-	Perennial	Waters 20D is a perennial channel located south of I-495 and east of Greentree Road that flows north from outside of the study area and converges with Waters 20C at a 4-foot culvert.	-	Silt, sand, gravel, concrete Width: 5 ft Depth: 6 in	Right: hedgerow Left: hedgerow	Yes	Yes
20D_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
20E	-	Intermittent	Waters 20E is an intermittent channel located south of the I-495 inner loop and north of Newbold Drive that flows south from a culvert under I-495 into a 2-foot pipe.	-	Silt, sand, gravel, riprap Width: 3 ft Depth: 2 ft	Right: bamboo hedgerow Left: bamboo hedgerow	Yes	Yes
Subsegment 21								
21B	W148M	Perennial	Waters 21B is a perennial channel located east of the I-495 inner loop and west of Longwood Drive that flows west under I-495 into Waters 21J. Waters 21B flows through subsegments 20 and 21.	-	Mud Width: 6 ft Depth: Unknown	Right: forest Left: forest	Yes	Yes
21B_C							Yes	Yes
21C	W103M	Perennial	See Waters 23A .				Yes	Yes
21C_1	W142M						Yes	Yes
21C_2	W109M						Yes	Yes
21C_C	W142M						Yes	Yes
21C_C1	W142M						Yes	Yes
21C_C2	W109M						Yes	Yes
21D	-	Intermittent	Waters 21D is an intermittent channel that originates in the northeast cloverleaf of the MD 19no/I-495 interchange and flows through a 3-foot pipe under I-495 in the northwest cloverleaf of the same interchange, under a ramp, and into Waters 21C.	-	Concrete, silt, sand Width: 1-3 ft Depth: 6 in	Right: scrub-shrub and meadow grasses Left: hedgerow and scrub-shrub	No	Yes
21D_1	W110M (downstream)						No	Yes
21D_C	-						No	Yes
21D_C1	W110M (downstream)						No	Yes
21F	-	Intermittent	Waters 21F is an intermittent channel that originates east of I-495 south of the terminus of Cindy Lane and flows southeast under I-495 into Waters 21C.	-	Silt, sand, cobble, gravel, riprap Width: 5-8 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
21F_C							Yes	Yes
21G	-	Intermittent	Waters 21G is an intermittent channel located east of the I-495 inner loop, north of the MD 19no/I-495 interchange that flows west into Waters 21C.	-	Silt, concrete, riprap Width: 2-5 ft Depth: 3 in	Right: forest Left: forest	No	Yes
21H	-	Ephemeral	Waters 21H is an ephemeral channel located east of the I-495 inner loop and southwest of the terminus of Arrowood Road that flows west into Waters 21C.	-	Silt, cobble, gravel, concrete Width: 4 ft Depth: 1 ft	Right: scrub-shrub Left: scrub-shrub	Yes	No
21I	-	Perennial	Waters 21I is a perennial channel located northwest of the I-495/I-270 split that flows west into Waters 21C. Channel substrate consists of silt, sand, and gravel.	-	Silt, sand, gravel Width: 5-7 ft Depth: 3 in	Right: hedgerow Left: hedgerow	Yes	Yes
21J	-	Perennial	Waters 21J is a perennial channel located west of the I-495 outer loop and north of MD 191 that flows west into Waters 21C.	-	Silt, sand, gravel, riprap Width: 10-20 ft Depth: 2-6 in	Right: hedgerow Left: hedgerow	Yes	Yes
21K	-	Intermittent	Waters 21K is an intermittent channel located west of the I-495 outer loop and north of MD 191 that flows west into Waters 21C.	-	Silt, sand, cobble, gravel, placed stone Width: 1-12 ft Depth: 0.5-1.5 ft	Right: hedgerow Left: hedgerow	Yes	Yes
21L_C	-	Perennial	Waters 21L is a perennial channel that originates east of the I-495 inner loop southwest of Kittery Lane and flows west under I -495 and into Waters 21C.	-	Silt, sand, cobble, gravel, riprap Width: 4-6 ft Depth: 1-8 in	Right: herbaceous vegetation Left: herbaceous vegetation	Yes	Yes
21L_D							Yes	Yes
21L_D1							Yes	Yes
21M	-	Intermittent	Waters 21M is an intermittent channel located west of the I-495 outer loop and east of Groton Road that flows east into Waters 21C.	-	Concrete Width: 1-4 ft Depth: 0.5 in	Right: hedgerow Left: hedgerow	No	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
21P	-	PFO	Wetland 21P a PFO located east of the I-495 inner loop and west of the terminus of Arrowood Court in the floodplain of Waters 21C.	Red maple Northern spicebush Sweet wood-reed Green ash River-bank grape	-	-	Yes	Yes
21Q	-	PFO	Wetland 21Q is a PFO located east of the I-495 inner loop and southwest of the terminus of Arrowood Court in the floodplain of Waters 21C.	American elm Red maple Northern spicebush Lizard's-tail	-	-	Yes	Yes
21R	-	Ephemeral	Waters 21R is an ephemeral channel located east of the I-495 inner loop and southwest of the terminus of Arrowood Road that drains uplands and flows west into Waters 21H.	-	Silt, cobble, gravel Width: 3-8 ft Depth: 4-8 in	Right: forest Left: forest	Yes	No
21T	-	PFO	Wetland 21T is a PFO located east of the I-495 inner loop and northwest of the terminus of Arrowood Court on a terrace in the floodplain of Waters 21C.	American sycamore Red maple Bristly lady's-thumb Winter creeper Curly dock (<i>Rumex crispus</i>) Japanese stilt grass	-	-	Yes	Yes
21U	-	Perennial	Waters 21U is a perennial channel located east of the I-495 inner loop and west of Armat Drive that flows west from a culvert into Waters 21B.	-	Silt, sand, cobble, gravel, riprap Width: 5-15 ft Depth: 3-6 in	Right: forest Left: forest	Yes	Yes
21V	-	Ephemeral	Waters 21V is an ephemeral channel located west of the I-495 outer loop and north of Bradley Boulevard that flows east from outside of the study area into Waters 21C.	-	Silt, sand, cobble, gravel Width: 4-6 ft Depth: 3-6 in	Right: forest Left: forest	Yes	No
Subsegment 22								
22A	-	Intermittent	Waters 22A is an intermittent channel located within the southwest cloverleaf of the MD 19no/I-495 interchange that flows south through a 3-foot concrete pipe into Waters 22C.	-	Concrete Width: 3 ft Depth: 6 in	Right: hedgerow Left: hedgerow	No	Yes
22A_C							No	Yes
22AA	W111M	Perennial	Waters 22AA is a perennial channel known as Cabin John Creek that flows south under I-495 west of Cabin John Parkway and east of Seven Locks Road.	-	Silt, sand, cobble, bedrock Width: 30 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
22AA_1							Yes	Yes
22AA_2							Yes	Yes
22AA_3							Yes	Yes
22AA_B							Yes	Yes
22AA_B1							Yes	Yes
22AAA	WOUS SK	Perennial	Waters 22AAA is a perennial channel located within the Capital Beltway/George Washington Memorial Parkway interchange.	-	Silt, sand, gravel, cobble, boulder Width: N/A Depth: N/A	Right: forest Left: forest	Yes	No
22AAA_C								
22B	-	Intermittent	Waters 22B is an intermittent channel located west of the I-495 outer loop south of the MD 19no/I-495 interchange that flows west into Waters 22C.	-	Riprap Width: 3 ft Depth: 6 in	Right: hedgerow Left: hedgerow	No	Yes
22BB	-	Ephemeral	Waters 22BB is an ephemeral channel located north of the I-495 outer loop and south of Thornley Court that flows east into Waters 22CC.	-	Silt, cobble, sand, gravel Width: 1-4 ft Depth 0-4 in	Right: forest Left: forest	Yes	No
22BBB	SP	PFO	Wetland 22BBB is a PFO located east of the I-495 inner loop that abuts Waters 22ZZ.	Red maple Green ash Northern spicebush Japanese stilt grass	-	-	Yes	Yes
22C	-	Intermittent	Waters 22C is an intermittent channel located west of the I-495 outer loop south of the MD 19no/I-495 interchange that flows west into a 3-foot concrete pipe and into Waters 22D.	-	Riprap Width: 3 ft Depth: 6 in	Right: hedgerow Left: hedgerow	No	Yes
22C_C							No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
22CC	-	Ephemeral	Waters 22CC is an ephemeral channel located north of the I-495 outer loop and south of Thornley Court that flows northeast under Seven Locks Road into Waters 22DD.	-	Silt, cobble, sand, gravel, concrete Width: 2- 6 ft Depth: 1-6 in	Right: forest Left: forest	Yes	No
22CC_1							Yes	No
22CC_C							Yes	No
22D	-	Intermittent	Waters 22D is an intermittent channel located west of the I-495 outer loop south of the MD 19no/I-495 interchange that flows west under a concrete liner into Waters 22E.	-	Concrete Width: 2 ft Depth: 1 in	Right: hedgerow Left: forest	No	Yes
22DD	-	Intermittent	Waters 22DD is an intermittent channel located north of the I-495 outer loop and east of Thornley Court that flows east under Seven Locks Road and then north into Waters 22AA.	-	Silt, cobble, sand, gravel, concrete Width: 2-8 ft Depth: 1-12 in	Right: forest Left: forest	Yes	Yes
22DD_C							Yes	Yes
22E	01-B	PEM	Wetland 22E is a PEM located northwest of the I-495 outer loop and southwest of the intersection of Eggert Road and Persimmon Tree Road.	Wand panic grass Rough barnyard grass	-	-	Yes	Yes
22EE	-	Ephemeral	Waters 22EE is an ephemeral channel located north of the I-495 outer loop and south of Thornley Court that flows north into Waters 22CC.	-	Silt, sand, concrete Width: 4-10 ft Depth: 0-4 in	Right: forest Left: forest	Yes	No
22F	01-L	PEM	Wetland 22F is a PEM located in the median of Cabin John Parkway, south of I-495, that abuts Waters 22H.	Marsh primrose-willow Small carp grass	-	-	Yes	Yes
22FF	-	Ephemeral	Waters 22FF is an ephemeral channel located south of the I-495 inner loop and northwest of the terminus of Cypress Grove Lane that flows south out of the study area.	-	Silt, sand, gravel Width: 3-5 ft Depth: 0-6 in	Right: forest Left: forest	Yes	No
22G	01-K	PFO	Wetland 22G is a PFO located in the median of Cabin John Parkway, south of I-495, that abuts Waters 22H.	Black willow Green ash Rambler rose Red maple Lamp rush Crow garlic Japanese honeysuckle	-	-	Yes	Yes
22GG	01-O	PEM	Wetland 22GG is a PEM located east of Cabin John Parkway and south of the I-495 inner loop.	Red maple Pin oak Lamp rush Wand panic grass	-	-	Yes	Yes
22H	01-M	Intermittent	Waters 22H is an intermittent channel located within the median of Cabin John Parkway, south of I-495, that flows west through a culvert under Cabin John Parkway into Waters 22AA.	-	Concrete Width: 2-4 ft Depth: 1-8 in	Right: forest Left: emergent vegetation, mowed lawn	No	Yes
22H_1							Yes	Yes
22H_C							Yes	Yes
22HH	01-C	Intermittent	Waters 22HH is an intermittent channel located west of the I-495 outer loop and north of MacArthur Boulevard that flows south into Waters 22N.	-	Sand, gravel, concrete Width: 5 ft Depth: 3-5 in	Right: forest Left: forest	No	Yes
22HH_1							No	Yes
22HH_2							Yes	Yes
22HH_C							No	Yes
22I	01-G	PFO	Wetland 22I is a PFO located north of Clara Barton Parkway and west of I-495 that abuts Waters 22J.	Swamp white oak Red maple Chinese privet (<i>Ligustrum sinense</i>) Smooth blackhaw Sweet wood-reed Japanese honeysuckle Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
22II	-	PFO	Wetland 22II is a PFO located west of the I-495 outer loop and southeast of Lilly Stone Drive.	River birch Green ash White grass	-	-	Yes	Yes
22J	01-F	Intermittent	Waters 22J is an intermittent channel located north of Clara Barton Parkway and west of I-495 that flows south through a culvert into Waters 22I.	-	Silt, sand, cobble, gravel Width: 1-4 ft Depth: 1-6 in	Right: forest, mowed lawn Left: forest, paved road	Yes	Yes
22J_C							Yes	Yes
22JJ	-	PFO	Wetland 22JJ is a PFO located southwest of the MD 19no/I-495 interchange in the floodplain of Waters 22AA.	Red maple Black tupelo Japanese stilt grass	-	-	Yes	Yes
22K	W125M	PEM	Wetland 22K is a PEM located north of Clara Barton Parkway and west of I-495 that abuts Waters 22J.	Dotted smartweed Spotted lady's thumb	-	-	Yes	Yes
22KK	-	Perennial	Waters 22KK is a perennial channel located south of the I-495/Cabin John Parkway interchange that flows east into Waters 22AA.	-	Silt, sand, cobble, gravel Width: 8-15 ft Depth: 3-15 in	Right: forest Left: forest	Yes	Yes
22L	01-J	PEM	Wetland 22L is a PEM located north of Clara Barton Parkway and west of I-495.	Dotted smartweed Sweet wood-reed	-	-	Yes	Yes
22LL	-	PFO	Wetland 22LL is a PFO located southeast of the I-495/Clara Barton Parkway interchange.	Ash-leaf maple American elm Northern spicebush Dotted smartweed Creeping-Jenny	-	-	Yes	Yes
22M	01-D	Perennial	Waters 22M is a perennial channel known as Rock Run located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows south from outside the study area to a box-culvert under Clara Barton Parkway.	-	Silt, sand, cobble, gravel Width: 30 ft Depth: 6 in - 1 ft	Right: forest Left: forest	Yes	Yes
22M_1							Yes	Yes
22M_C							Yes	Yes
22M_C1							Yes	Yes
22MM	-	Perennial	Waters 22MM is a perennial TNW known as the Potomac River located south of the I-495/Clara Barton Parkway interchange that flows east under I-495.	-	Silt, sand, muck, cobble, gravel, bedrock Width: > 400 ft Depth: > 10 ft	Right: forest Left: forest	Yes	Yes
22MM_B							Yes	Yes
22N	01-C	Perennial	Waters 22N is a perennial channel located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows southwest to Waters 22M.	-	Silt, cobble, gravel, concrete Width: 5 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
22NN	-	Intermittent	Waters 22NN is an intermittent channel located southwest of the I-495/Clara Barton Parkway interchange that flows south from Wetland 22OO to Waters 22MM.	-	Silt, sand, gravel, muck Width: 8-10 ft Depth: 0 – 6 in	Right: forest Left: bare area under I-495	Yes	Yes
22NN_B							Yes	Yes
22O	01-E	PFO	Wetland 22O is a PFO located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that abuts Waters 22N.	American sycamore Ash-leaf maple Sweet wood-reed Deer-tongue rosette grass Water horsetail (<i>Equisetum fluviatile</i>)	-	-	Yes	Yes
22OO	-	PFO	Wetland 22OO is a PFO located southwest of the I-495/Clara Barton Parkway interchange that abuts Waters 22NN.	American sycamore Ash-leaf maple Reed canary grass	-	-	Yes	Yes
22P	-	Intermittent	Waters 22P is an intermittent channel located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows northwest into Waters 22N.	-	Silt, sand Width: 3 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
22PP	01-P	PFO	Wetland 22PP is a PFO located southwest of the I-495/Clara Barton Parkway Interchange, just south of the C&O canal.	American elm Amur honeysuckle Swamp smartweed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
22Q	-	Perennial	Waters 22Q is a perennial channel located east of the I-495 inner loop and south of Clara Barton Parkway that flows east from a culvert under the Clara Barton Parkway on-ramp to the I-495 inner loop into another culvert under Clara Barton Parkway.	-	Silt, sand Width: 4 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
22Q_1	01-I						Yes	Yes
22Q_C	-						Yes	Yes
22QQ	-	Intermittent	Waters 22QQ is an intermittent channel located southeast of the I-495/Clara Barton Parkway interchange that flows south into a side channel of Waters 22MM.	-	Sand, muck Width: 2-6 ft Depth: 0-1.5 in	Right: forest Left: forest	Yes	Yes
22R	01-H	PFO	Wetland 22R is a PFO located east of the I-495 inner loop and south of Clara Barton Parkway that abuts Waters 22Q.	Red maple American sycamore Common pawpaw Black tupelo Japanese stilt grass Sweet wood-reed Japanese honeysuckle	-	-	Yes	Yes
22RR	-	Perennial	Waters 22RR is a perennial channel located east of Seven Locks road and north of the I-495 outer loop that flows east into Waters 22AA.	-	Silt, sand, cobble, gravel Width: 6-15 ft Depth: 2-10 in	Right: forest Left: forest	Yes	Yes
22S	-	Intermittent	Waters 22S is an intermittent channel located north of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows east into Waters 22M.	-	Silt, sand, cobble, gravel, placed stone slabs Width: 1-7 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
22SS	WOUS CC/CD	Perennial	Waters 22SS is a perennial channel located northwest of the Capital Beltway/George Washington Memorial Parkway interchange that flows north.	-	Silt, sand, gravel, cobble Width: 25 ft Depth: N/A	Right: forest Left: forest	Yes	No
22T	W122M	Intermittent	Waters 22T is an intermittent channel located north of Clara Barton Parkway and south of MacArthur Boulevard that flows west from Wetland 22U, under I-495, and into Waters 22HH.	-	Silt, cobble, sand, concrete, riprap Width: 3-6 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
22T_1							Yes	Yes
22T_2							Yes	Yes
22T_B							Yes	Yes
22T_B1							Yes	Yes
22TT	DC	PFO	Wetland 22TT is a PFO located east of the I-495 outer loop that abuts Waters 22UU and Waters 22MM.	Red maple Green ash Northern spicebush Japanese stilt grass	-	-	Yes	Yes
22U	W121M	PFO	Wetland 22U is a PFO located east of the I-495 inner loop, north of Clara Barton Parkway, and south of MacArthur Boulevard that abuts Waters 22T.	Red maple Slippery elm Black willow Ash-leaf maple	-	-	Yes	Yes
22UU	WOUS DF	Intermittent	Waters 22UU is an intermittent channel located west of the I-495 outer loop that flows north into Waters 22MM.	-	Riprap Width: 20 ft Depth: N/A	Right/Left: forest, maintained, impervious surface	Yes	No
22V	-	Intermittent	Waters 22V is an intermittent channel located south of Clara Barton Parkway that flows east under I-495 and into a roadside swale, followed by an 18-inch pipe.	-	Silt, sand, cobble, gravel Width: 1-4 ft Depth: 6 in	Right: hedgerow, riprap Left: hedgerow, riprap	Yes	Yes
22V_1							Yes	Yes
22V_2							Yes	Yes
22V_B							Yes	Yes
22V_B1							Yes	Yes
22VV	WOUS DJ	Ephemeral	Waters 22VV is an ephemeral channel located east of the I-495 inner loop that flows west.	-	Silt Width: 20 ft Depth: N/A	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
22W	W132M	PEM	Wetland 22W is a PEM (the C&O Canal Towpath) located southwest of the I-495/Clara Barton Parkway interchange.	Duck-potato Straw-color flat sedge Narrow-leaf cat-tail Ribbon-leaf pondweed (<i>Potamogeton epihydrus</i>)	-	-	Yes	Yes
22WW	WOUS DK	Ephemeral	Waters 22WW is an ephemeral channel located east of the I-495 inner loop that flows northwest.	-	Silt, sand, gravel Width: 25 ft Depth: N/A	Right: forest Left: forest	Yes	No
22WW_C								
22X	-	PFO	Wetland 22X is a PFO located within the cloverleaf of the I-495 inner loop on-ramp from Clara Barton Parkway.	Red maple Eastern poison ivy Sweet wood-reed Asian bittersweet	-	-	Yes	Yes
22XX	WOUS DL	Ephemeral	Waters 22XX is an ephemeral channel located east of the I-495 inner loop that flows northwest into Waters 22WW.	-	Silt, sand, gravel Width: 10 ft Depth: N/A	Right: forest Left: forest	Yes	No
22Y	01-H	PEM	Wetland 22Y is a PEM located within the cloverleaf of the I-495 inner loop on-ramp from Clara Barton Parkway, that abuts Waters 22Q.	Green ash River birch Lamp rush Sweet wood-reed Deer-tongue rosette grass Japanese stilt grass	-	-	Yes	Yes
22Z	01-N	Perennial	Waters 22Z is a perennial channel known as Booze Creek that flows southwest through a triple box culvert under Cabin John Parkway to Waters 22AA.	-	Sand, cobble, gravel Width: 40 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
22Z_1							Yes	Yes
22Z_C							Yes	Yes
22ZZ	WOUS SH	Perennial	Waters 22ZZ is a perennial channel located east of the I-495 inner loop that flows east.	-	Silt, sand, gravel, cobble Width: 20 ft Depth: N/A	Right/Left: forest, unmaintained herbaceous, impervious surface	Yes	No
22ZZ_C								
Subsegment 23								
23A	WUS 01	Perennial	Waters 23A is a perennial channel known as Thomas Branch that flows south parallel to the I-270 spur and the I-495 outer loop and into Cabin John Creek.	-	Silt, sand, cobble Width: 15-30 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
23A_1							Yes	Yes
23A_2							Yes	Yes
23A_3							Yes	Yes
23A_C							Yes	Yes
23A_C1							Yes	Yes
23A_C2							Yes	Yes
23AA	-	Perennial	Waters 23AA is a perennial channel located southeast of the I-270/Democracy Boulevard interchange that originates at a culvert under the I-270 on-ramp and flows south through another culvert.	-	Silt, sand Width: 2-3 ft Depth: 2-4 in	Right: forest Left: forest	Yes	Yes
23AA_1							Yes	Yes
23AA_C							Yes	Yes
23AA_C1							Yes	Yes
23BB	-	PEM	Wetland 23BB is a PEM located southeast of the I-270/Democracy Boulevard interchange that abuts Waters 23AA.	Sweet-gum Eastern poison ivy Japanese stilt grass	-	-	Yes	Yes
23C	-	Intermittent	Waters 23C is an intermittent channel located southwest of the I-270/Democracy Boulevard interchange that flows east into Waters 23A.	-	Silt, muck, leaf litter Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
23CC	-	PFO	Wetland 23CC is a PFO located west of the I-270 south spur and northeast of Motor City drive that abuts Waters 23E.	Green ash American elm Northern spicebush northern bush honeysuckle (<i>Diervilla lonicera</i>) Eastern poison ivy Swamp smartweed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
23D	WUS 02	Intermittent	Waters 23D is an intermittent channel located southeast of the I-270/Democracy Boulevard interchange that flows from 23-SWM8, under I-270, and into Thomas Branch.		Silt, sand, cobble, gravel Width: 7 ft Depth: 2 ft		No	Yes
23D_C							No	Yes
23DD	-	Intermittent	Waters 23DD is an intermittent channel located west of the I-270 south spur and east of Westlake Drive that flows north into Waters 23K.	-	Silt, sand, cobble Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
23E	-	Intermittent	Waters 23E is an intermittent channel located west of the I-270 south spur and northeast of Motor City Drive that flows west from Wetland 23CC and out of the study area.	-	Silt, sand, gravel, riprap Width: 6 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
23EE	-	PFO	Wetland 23EE is a PFO located between the Old Georgetown Road on ramp to I-270 eastbound and Aubinoe Farm Drive.	American elm Red maple Amur honeysuckle Japanese stilt grass Fox grape Unknown grass species (<i>Poa sp.</i>)	-	-	Yes	Yes
23F	-	PEM	Wetland 23F is a PEM located west of the I-270 south spur and east of Westlake Drive that abuts Waters 23K.	Green ash Black tupelo Japanese stilt grass	-	-	Yes	Yes
23FF	-	Intermittent	Waters 23FF is an intermittent channel located south of the I-270 east spur and north of the Rudyard Drive/Rossmore Drive intersection that flows east into Waters 23Q.	-	Silt, sand, cobble, and gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	No	Yes
23G	WUS 34	Perennial	Waters 23G is a perennial channel located south of the Grosvenor Place/Englishman Drive intersection that flows adjacent to and under I-270 and out of the study area.	-	Silt, sand, cobble Width: 8-10 ft Depth: 6-12 in	Right: forest Left: forest	Yes	Yes
23G_1							Yes	Yes
23G_C							Yes	Yes
23GG	-	PFO	Wetland 23GG is a PFO located west of I-270 and southeast of the Tuckerman Lane/Westlake Drive intersection.	Red maple Northern spicebush Greater water dock (<i>Rumex britannica</i>) New York fern Japanese honeysuckle	-	-	Yes	Yes
23H	-	Ephemeral	Waters 23H is an ephemeral channel located southeast of Englishman Drive that flows south into Waters 23G.	-	Silt, gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	No
23HH	-	PFO	Wetland 23HH is a PFO located west of the I-270 south spur that drains into Waters 23K.	Black tupelo American hornbeam			Yes	Yes
23J	-	PFO	Wetland 23J is located southwest of the Rockledge Drive overpass over I-270 that drains into Waters 23N.	Speckled alder (<i>Alnus incana</i>) Black willow American sycamore			Yes	Yes
23K	-	Perennial	Waters 23K is a perennial channel located west of the I-270 south spur and east of Westlake Drive that originates at a stormwater management pond and flows north into Waters 24A. Waters 23K flows through subsegments 23 and 24.	-	Silt, sand, cobble, gravel Width: 9 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
23K_1							Yes	Yes
23K_C							Yes	Yes
23K_C1							Yes	Yes
23K_D							Yes	Yes
23KK	-	PEM	Wetland 23KK is a PEM located southwest of the Rockledge Drive overpass I-270 that drains into Waters 23N.	Narrowleaf cat-tail Arrowleaf tearthumb			Yes	Yes
23L	-	PEM	Wetland 23L is a PEM located inside the Democracy Boulevard on ramp to I-270 northbound.	Broad-leaf cat-tail Japanese stilt grass	-	-	Yes	Yes
23M	-	Ephemeral	Waters 23M is an ephemeral channel located southeast of Earlsgate Lane and north of I-270 that flows north into Waters 23N.	-	Silt Width: 8 ft Depth: 6 in	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
23N	-	Intermittent	Waters 23N is an intermittent channel located between Windermere Circle and I-270 that flows northwest out of the study area into Old Farm Creek.	-	Sand, cobble, gravel, riprap Width: 9 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
23N_C							Yes	Yes
23N_D							Yes	Yes
23P	-	PFO	Wetland 23P is a PFO located northeast of the intersection of Snow Point Drive and Fleming Avenue.	Green ash Red maple Northern spicebush northern bush honeysuckle Jack-in-the-pulpit (<i>Arisaema triphyllum</i>)	-	-	Yes	Yes
23Q	WUS 33	Perennial	Waters 23Q is a perennial channel located north of the intersection of Rudyard Drive and Farnham Drive that flows into Waters 23R.	-	Sand, cobble, gravel, bedrock, riprap Width: 15 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
23Q_1							Yes	Yes
23Q_2							Yes	Yes
23Q_C							Yes	Yes
23R	-	Perennial	Waters 23R is a perennial channel located east of the I-270/Old Georgetown Road interchange that enters the study area from a culvert and flows east under I-270 and out of the study area.	-	Silt, cobble, gravel, bedrock Width: 15 ft Depth: 8 ft	Right: forest Left: forest	Yes	Yes
23S	-	Intermittent	Waters 23S is an intermittent channel located northeast of the Snow Point Drive/Fleming Avenue intersection that flows east into Waters 23G.	-	Cobble, gravel, riprap Width: 8 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
23T	-	Ephemeral	Waters 23T is an ephemeral channel located between Thornbush Lane and I-270 that flows into Waters 23G.	-	Silt, cobble, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
23U	-	Intermittent	Waters 23U is an intermittent channel located between Windermere Circle and I-270 that flows north into Waters 23N.	-	Sand, cobble, gravel, riprap Width: 6 ft Depth: 1 ft	Right: forest Left: forest	No	Yes
23V	SB12/NB01-D	Intermittent	Waters 23V is an intermittent channel located northeast of the I-270 Spur/Westlake Terrace intersection that originates from a culvert and flows west under I-270.	-	Silt Width: 2 – 8 ft Depth: 1 in	Right: forest Left: forest	No	Yes
23V_C							No	Yes
23W	PEM 10	PEM	Wetland 23W is a PEM located northeast of the I-270/Democracy Boulevard interchange that flows to Waters 23A.	Green ash Pin oak Common persimmon Reed canary grass Uptight sedge (<i>Carex stricta</i>)	-	-	Yes	Yes
23X	PEM 02	PEM	Wetland 23X is a PEM located southwest of the I-270/Tuckerman Lane intersection that abuts Waters 23J.	Red maple American sycamore Green ash Northern spicebush Skunk-cabbage Virginia-creeper Fox grape	-	-	Yes	Yes
23Z	-	Intermittent	Waters 23Z is an intermittent channel located west of the I-270 south spur and northeast of Motor City Drive that flows north from a parking lot into Waters 23E.	-	Silt, sand Width: 8 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
Subsegment 24								
24A	-	Perennial	Waters 24A is a perennial channel located north of the I-270/Tuckerman Lane intersection that flows west out of the study area into Cabin John Creek.	-	Cobble, gravel, sand, silt Width: 20 ft Depth: 6 in	Right: forest, scrub-shrub, maintained Left: forest, scrub-shrub	Yes	Yes
24A_1							Yes	Yes
24A_C							Yes	Yes
24C	-	Intermittent	Waters 24C is an intermittent channel located in Cabin John Regional Park that flows west out of the study area into Cabin John Creek.	-	Cobble, gravel, sand, silt Width: 3.5 ft Depth: 5 in	Right: forest, scrub-shrub Left: forest, scrub-shrub	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
24D	-	Perennial	Waters 24D is a perennial channel located north of Waters 24C in Cabin John Regional Park that flows west out of the study area into Cabin John Creek.	-	Cobble, gravel, sand, silt, riprap Width: 3 ft Depth: 4 in	Right: herbaceous Left: forest, scrub-shrub	Yes	Yes
24F	-	Perennial	Waters 24F is a perennial channel located southeast of the I-270/Montrose Road interchange that flows south into a culvert under I-270 and west out of the study area. Waters 24F flows through subsegments 24 and 25.	-	Cobble, gravel, sand, silt Width: 15 ft Depth: 6 in	Right: forest, scrub-shrub Left: forest, scrub-shrub	Yes	Yes
24F_1	WUS 14						Yes	Yes
24F_2	WUS 14						Yes	Yes
24F_3	WUS 14						Yes	Yes
24F_C	-						Yes	Yes
24F_C1	WUS 14						Yes	Yes
24F_C2	WUS 14						Yes	Yes
24H	WUS 15	Perennial	Waters 24H is a perennial channel located west of the I-270/Montrose Road interchange that flows south out of the study area into Waters 24J.	-	Cobble, gravel, sand, silt Width: 5 ft Depth: 1 in	Right/Left: forest, scrub-shrub, wetland	Yes	Yes
24J	-	Perennial	Waters 24J is a perennial channel located west of the I-270/Montrose Road interchange that flows southeast out of the study area into Cabin John Creek.	-	Cobble, sand, silt Width: 14 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
24K	-	Intermittent	Waters 24K is an intermittent channel located southeast of the I-270/Montrose Road interchange that flows southwest into Waters 24F.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
24L	-	Intermittent	Waters 24L is an intermittent channel located southeast of the I-270/Montrose Road interchange that flows southwest into Waters 24F and abuts Wetland 24R.	-	Gravel, silt, sand Width: 1-2 ft Depth: 1-2 in	Right: forest Left: forest	Yes	Yes
24M	-	PEM	Wetland 24M is a PEM located northeast of the I-270/Tuckerman Lane intersection.	Red maple American sycamore River birch Broad-leaf cat-tail Reed canary grass	-	-	Yes	Yes
24N	-	PFO	Wetland 24N is a PFO located in Cabin John Regional Park, half a mile south of the I-270/Montrose Road interchange.	Red maple American elm Northern spicebush Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
24P	-	Ephemeral	Waters 24P is an ephemeral channel located southwest of the I-270/Montrose Road interchange that flows west into Cabin John Creek.	-	Sand Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	No
24Q	-	PFO	Wetland 24Q is a PFO located in Cabin John Regional Park half a mile south of the I-270/Montrose Road interchange that abuts Waters 24D.	Red maple American sycamore Northern spicebush Japanese stilt grass	-	-	Yes	Yes
24R	-	PFO	Wetland 24R is a PFO located southeast of the I-270/Montrose Road interchange, adjacent to Waters 24F and 24L.	Red maple Pin oak Northern spicebush Rambler rose Japanese stilt grass Rice cut grass Eastern poison ivy	-	-	Yes	Yes
24S	-	Ephemeral	Waters 24S is an ephemeral channel located south of the I-270/Montrose Road interchange that flows south into Wetland 24R.	-	Silt, sand, gravel, riprap Width: 6 ft Depth: 4 ft	Right: forest Left: forest	Yes	No
24T	-	Intermittent	Waters 24T is an intermittent channel located west of I-270 and east of Gainsborough Road that flows south into Waters 24U.	-	Silt, sand, gravel, cobble Width: 6 ft Depth: 4ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
24U	-	Perennial	Waters 24U is a perennial channel located west of I-270 and east of Gainsborough Road that flows south out of the study area.	-	Silt, sand, gravel, cobble Width: 20 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
Subsegment 25								
25A	-	Perennial	Waters 25A is a perennial channel located east of the I-270/Montrose Road interchange that originates at a culvert and flows west into Waters 24F.	-	Silt sand, riprap Width: 8 ft Depth: 4 ft	Right: forest Left: forest, scrub-shrub	Yes	Yes
25A_1	WUS 13						Yes	Yes
25A_C	-						Yes	Yes
25B	PFO 05	PFO	Wetland 25B is a PFO located east of the I-270/Montrose Road interchange that abuts Waters 24F.	Silver maple Red maple Pin oak Northern spicebush Japanese barberry (<i>Berberis thunbergii</i>) Sensitive fern Japanese stilt grass	-	-	Yes	Yes
25C	WUS 14A	Intermittent	Waters 25C is an intermittent channel located east of the I-270/Montrose Road interchange that originates at a culvert and flows east into Waters 24F.	-	Silt, cobble, riprap Width: 8 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
25D	PFO 06	PFO	Wetland 25D is a PFO located east of the I-270/Montrose Road interchange that abuts Waters 24F.	River birch Red maple American sycamore Southern arrow-wood Lamp rush Deer-tongue rosette grass	-	-	Yes	Yes
25E	-	Perennial	Waters 25E is a perennial channel open water pond located south of the I-270/Falls Road interchange within 25-SWM1 that flows into Waters 25H and then east under I-270.	-	Silt, sand, muck Width: 150 ft Depth: Unknown	Right: wetland Left: wetland	Yes	Yes
25F	-	Ephemeral	Waters 25F is an ephemeral channel located east of I-270 and southwest of the intersection of Wootton Parkway and Tower Oaks Boulevard that flows east under Tower Oaks Boulevard and out of the study area.	-	Sand, silt, cobble, clay Width: 10 ft Depth: 5 ft	Right: forest Left: forest	Yes	No
25G	-	Intermittent	Waters 25G is an intermittent channel located southeast of the Preserve Parkway/Tower Oaks Boulevard intersection that flows northeast from a culvert and out of the study area.	-	Sand, cobble, gravel Width: 8-12 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
25H	WUS 16	Perennial	Waters 25H is a perennial channel located south of the I-270/Falls Road interchange within 25-SWM1.	-	Silt, sand, gravel Width: 3-4 ft Depth: 3-6 ft	Right/Left: wetlands, stormwater management areas	Yes	Yes
25H_1	-						Yes	Yes
25H_C	WUS 16						Yes	Yes
25K	-	PEM	Wetland 25K is a PEM located south of the I-270/Falls Road interchange within 25-SWM1 and abutting Waters 25H.	American sycamore Groundseltree Crimson-eyed rose-mallow Narrow-leaf cat-tail Lamp rush Shallow sedge	-	-	Yes	Yes
25L	-	Intermittent	Waters 25L is an intermittent channel located east of I-270 and Tower Oaks Boulevard and south of Preserve Parkway that flows northeast from 25-SWM8 into Waters 25G.	-	Silt, sand, gravel Width: 4 ft Depth: 1.5 ft	Right: forest Left: forest	Yes	Yes
Subsegment 26								
26A	PEM 08	PEM	Wetland 26A is a PEM located southeast of the I-270/West Montgomery Avenue interchange that abuts Waters 26B.	Green ash Red maple Black tupelo Southern arrow-wood Eurasian-buttercup (<i>Ficaria verna</i>) White grass	-	-	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
26B	WUS 18	Intermittent	Waters 26B is an intermittent channel located south of the I-270/West Montgomery Avenue interchange that flows southwest under I-270.	-	Silt, sand, cobble, riprap Width: 8 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
26B_1							Yes	Yes
26B_C							Yes	Yes
26B_C1							Yes	Yes
26C	-	Intermittent	Waters 26C is an intermittent channel flow located south of Winding Rose Drive that flows northwest and then west under I-270.	-	Sand, cobble, gravel, riprap Width: 9 ft Depth: 1 ft	Right: forest Left: scrub-shrub	Yes	Yes
26C_1	WUS 17						Yes	Yes
26C_C	WUS 17						Yes	Yes
26C_C1	WUS 17						Yes	Yes
26D	-	PEM	Wetland 26D is a PEM located east of Watts Branch Parkway that abuts Waters 26C.	Silver maple Green ash Common persimmon Twinsisters Rambler rose White grass Japanese stilt grass	-	-	Yes	Yes
26E	PFO 09	PEM	Wetland 26E is a PEM located east of Watts Branch Parkway that abuts Waters 26C.	Fowl blue grass	-	-	Yes	Yes
26F	PEM 06	PEM	Wetland 26F is a PEM located south of Winding Rose Drive and abutting Waters 26C.	Red maple Black willow Pinkweed Rice cut grass Virginia-creeper	-	-	Yes	No
26G	WUS 17A	Ephemeral	Waters 26G is an intermittent channel located northwest of the I-270/Great Falls Road interchange that flows north from Wetland 26H.		Silt, cobble, sand, and gravel Width: 6 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
26G_1	WUS 17A	Intermittent					Yes	Yes
26H	PEM 11	PEM	Wetland 26H is a PEM located northeast of the I-270/Great Falls Road interchange.	Green ash Common persimmon Black walnut (<i>Juglans nigra</i>) northern bush honeysuckle Sensitive fern Spotted touch-me-not Eastern poison ivy	-	-	Yes	Yes
26J		Intermittent	Waters 26J is an intermittent channel located south of Winding Rose Drive and abutting Wetland 26F.		Riprap Width: 8 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
Subsegment 27								
27A	WUS 19	Perennial	Waters 27A is Watts Branch, a perennial channel located north of the I-270/West Montgomery Avenue interchange that flows southwest out of the study area.	-	Bedrock, cobble, gravel, concrete, sand, silt Width: 17 ft Depth: 7 in	Right: forest, scrub-shrub, wetland Left: forest, scrub-shrub, wetland	Yes	Yes
27A_1							Yes	Yes
27A_2							Yes	Yes
27A_C							Yes	Yes
27A_C1							Yes	Yes
27B	WUS 19F	Intermittent	Waters 27B is an intermittent channel located northeast of the I-270/West Montgomery Avenue interchange that flows northwest from a culvert into Waters 27A.	-	Silt, sand, cobble, riprap Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
27C	WUS 19C	Ephemeral	Waters 27C is an ephemeral channel located within Wetland 27F that enters the study area through a culvert under Nelson Street and flows southwest into Waters 27D.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No
27D	WUS 19D	Intermittent	Waters 27D is an intermittent channel located between I-270 and Nelson Street that flows south from Wetland 27F into Waters 27A.	-	Riprap Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
27E	PFO 13	PFO	Wetland 27E is a PFO located between I-270 and Nelson Street that abuts Waters 27B.	Green ash Red maple Common buttonbush Skunk-cabbage	-	-	Yes	Yes
27F	WP001	PFO	Wetland 27F is a PFO located north of the I-270/West Montgomery Avenue interchange between I-270 and Nelson Street that abuts Waters 27C and Waters 27D.	Green ash Pin oak Twinsisters Eastern poison ivy Skunk-cabbage	-	-	Yes	Yes
27G	PSS 01	PSS	Wetland 27G is a PSS located northwest of the I-270/ West Montgomery Avenue interchange that abuts Waters 27H.	Black walnut Black cherry Green ash Smooth blackhaw Skunk-cabbage Eastern poison ivy	-	-	Yes	Yes
27H	WUS 19A	Intermittent	Waters 27H is an intermittent channel located northeast of the I-270/West Montgomery Avenue interchange that flows southwest from Wetland 27G into Waters 27A.	-	Silt, muck, gravel Width: 3 ft Depth: 6 in	Right: herbaceous Left: herbaceous	Yes	Yes
27K	SB7NB2-B	Ephemeral	Waters 27K is an ephemeral channel located between Watts Branch Avenue and West Montgomery Avenue that flows northwest into Waters 27A.	-	Silt, sand, cobble, gravel Width: 3 ft Depth: 1 ft	Right: hedgerow Left: hedgerow	Yes	No
27L	NB3-A	Intermittent	Waters 27L is an intermittent channel located south of the I-270/Shady Grove Road interchange that flows southeast from Wetland 27M and under I-270.	-	Silt, sand, cobble, riprap Width: 2-4 ft Depth: 6 in	Right: hedgerow Left: hedgerow	Yes	Yes
27L_C							Yes	Yes
27M	-	PFO	Wetland 27M is a PFO located between I-270 and the ramp to Redland Boulevard.	Red maple Sensitive fern	-	-	Yes	Yes
27N	WUS 19B	Intermittent	Waters 27N is an intermittent channel located north of the I-270/West Montgomery Avenue interchange that flows west into waters 27A.	-	Silt Width: 2.5 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
Subsegment 28								
28A	-	Perennial	Waters 28A is a ponded perennial channel located southwest of the I-270/I-370 interchange that flows northwest into Waters 29A.	-	Riprap Width: 140-385 ft Depth: 2-10 ft	Right: maintained park Left: commercial development	Yes	Yes
28B	WUS 21	Intermittent	Waters 28B is an intermittent channel located southwest of the I-270/I-370 interchange that flows northwest into Waters 29A.	-	Concrete Width: 6 ft Depth: 6 in	Right: forest Left: forest	No	Yes
Subsegment 29								
29A	WUS 20	Perennial	Waters 29A is a perennial channel located northwest of the I-270/I-370 interchange that flows north from a stormwater pond into Muddy Branch. Waters 29A flows through subsegments 28 and 29.	-	Silt, sand, cobble, gravel, riprap Width: 20 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
29A_1	WUS 20						Yes	Yes
29A_2	-						Yes	Yes
29A_C	WUS 20						Yes	Yes
29A_C1	WUS 20						Yes	Yes
29A_C2	WUS 20						Yes	Yes
29B	WUS 23	Perennial	Waters 29B is a perennial channel that flows under I-270 through a culvert located southwest of Bralan Court.	-	Bedrock, sand, cobble, gravel Width: 20 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
29B_1							Yes	Yes
29B_C							Yes	Yes
29C	WUS 35	Intermittent	Waters 29C is an channel with intermittent and perennial flow located east of I-270 and south of Muddy Branch Road that flows southwest under I-270 and continues outside the study area into Muddy Branch.	-	Cobble, gravel, riprap Width: 6 ft Depth: 1.5 ft	Right: forest Left: mowed	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
29D	WUS 23A	Intermittent	Waters 29D is an intermittent channel located northeast of the I-270/I-370 interchange south of Gaither Road that flows northwest from a stormwater pond, under I-370, and continues outside the study area into Muddy Branch.	-	Silt, sand, cobble, riprap Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
29D_D							No	Yes
29E	WUS 35B	Perennial	Waters 29E is a perennial channel located east of I-270 and south of Muddy Branch Road that flows southeast from a stormwater pond into Waters 29C.	-	Silt, cobble, gravel Width: 5 ft Depth: 1 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
29E_1	WUS 35						Yes	Yes
29E_C	WUS 35						Yes	Yes
29F	WUS 35C	Perennial	Waters 29F is a perennial channel located east of I-270 and south of Muddy Branch Road that flows southwest from a stormwater pond into Waters 29C.	-	Silt, cobble, sand, riprap Width: 4 ft Depth: 1 ft	Right: forest, wetland Left: forest	Yes	Yes
29G	PEM 09	PEM	Wetland 29G is a PEM located east of Muddy Branch Road and I-270, adjacent to Waters 29E.	Black willow Spotted touch-me-not Rice cut grass	-	-	Yes	Yes
29H	WUS 35A	Intermittent	Waters 29H is an intermittent channel located southwest of the I-270/Muddy Branch Road intersection that flows west from a stormwater inlet into Waters 29C.	-	Silt, gravel, and riprap Width: 6 ft Depth: 2 ft	Right: mowed Left: mowed	No	Yes
29J	PEM 12	PEM	Wetland 29J is a PEM located east of Muddy Branch Road and I-270, adjacent to Waters 29C and 29F.	American sycamore Willow oak Spotted touch-me-not Small-spike false nettle Common marsh bedstraw (<i>Galium palustre</i>)	-	-	Yes	Yes
29K	-	Intermittent	Waters 29K is an intermittent channel located west of Industrial Drive and north of I-370 that flows north through 29-SWM3 and out of the study area.	-	Silt Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes