

Accotink Creek Watershed North  
Draft Project Scores and Ranking

Project ID	Proposed Action	Final Action	Notes	Impact indicators	Source indicators	Priority Subwatersheds	Sequencing	Implementability	Composite Prioritization Score	Composite Prioritization Score adjusted with BPJ	Rank	CIP Schedule
AC-AC-0280-R02	Dry Pond	Stormwater Pond Retrofit	This site is an existing dry pond with wetlands at Canterbury Woods Park. The project proposes creating linear wetland or pools and removing invasives. Modifying the outlet and creating a berm for detention are also recommended.	2.20	4.00	3	5	3	3.40	3.40	76	10
AC-AC-0280-S01	Stream Restoration Project	Stream Restoration Project	This is a stream restoration project at Wakefield Park. Recommendations include installing rootwads or boulders and restoring three meanders. Onsite materials could be used for restoration.	1.50	2.60	3	5	5	3.00	3.00	154	25
AC-AC-0290-R01	Area wide drainage improvements	Area wide drainage improvements	There are no existing stormwater management facilities in the subwatershed. Area wide drainage improvements are recommended to treat the runoff from the medium-density residential areas.	3.90	5.00	5	3	3	4.10	4.10	7	10
AC-AC-0295-R02	Dry Pond (0294DP)	Stormwater Pond Retrofit	This site is a dry pond (0294DP) behind Charles Thomas Lane in the Ravensworth Grove neighborhood. Project recommendations include retrofitting the existing pond by modifying the outlet structure to provide storage, creating a micropool at the outlet, installing sediment forebays at inlets, excavating the pond outlet to provide better storage and repairing portions of the badly eroded channel.	2.80	4.40	5	4	3	3.80	3.80	31	10
AC-AC-0300-R02	Dry Pond (0293DP)	Stormwater Pond Retrofit	This project is a retrofit of an existing dry pond (DP0293DP) behind Patriot Drive in the Ravensworth Grove neighborhood. Recommendations include adding forebays at all inlets, modifying the outlet to provide storage, excavating the pond to provide additional storage and repairing channel banks.	2.80	4.80	4	4	3	3.80	3.80	27	10
AC-AC-0310-R01A	Pond Retrofit (NEW1049,NEW1050, NEW1051)	Stormwater Pond Retrofit	There are three existing dry ponds in the parking lot at Northern Virginia Community College. Project recommendations include converting dry ponds to bioretention cells or extended detention to provide better storage. This can be accomplished by modifying outlets and excavating the ponds to increase storage.	3.40	3.80	2	4	5	3.70	3.70	43	10
AC-AC-0310-R03A	New Stormwater Pond	Wetlands	This proposed project is located in a single-family residential area in the Chestnut Hill neighborhood. Proposed project recommendations include converting a concrete channel behind Procession Way to a wetland.	2.50	4.30	2	4	3	3.30	3.30	94	10
AC-AC-0310-R03B	New BMP/LID	New BMP/LID	This project proposes to convert an existing swale behind Briar Creek Drive to a bioretention facility. The swale now drains single-family residential homes in the Wakefield Chapel Estates neighborhood.	3.40	3.80	2	4	3	3.50	3.50	72	10

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AC-AC-0310-R03C	New Stormwater Pond	Wetlands	This project will convert an existing concrete channel to a wetland. The channel now drains single-family residential homes on Mockingbird Drive and a part of Duncan Drive.	1.70	3.20	2	4	3	2.70	2.70	189	25
AC-AC-0315-R02	Dry Pond (0627DP)	Stormwater Pond Retrofit	A retrofit is proposed for the dry pond (0627DP) behind Lafayette Forest Drive. Proposed project recommendations include adding a forebay, improving the connection between channel and storage area, lengthening the channel flow path, excavating to provide additional channel erosion control and modifying the riser.	2.50	3.80	4	5	3	3.60	3.60	50	10
AC-AC-0315-R03B	Green roof	Green roof	There is potential for a green roof on a large building at the corner of Frontage Road and Heritage Drive.	2.90	2.50	4	5	3	3.30	3.30	101	10
AC-AC-0315-R05A	Parking Lot Retrofit	New BMP/LID	This project is a potential parking lot retrofit at Annandale Elementary School. Recommendations include adding bioretention facilities in the medians for one section of parking lot to provide water quality volume storage.	2.90	2.50	4	5	5	3.50	3.50	64	10
AC-AC-0315-R05B	Parking Lot Retrofit	New BMP/LID	There is a potential parking lot retrofit at Annandale Elementary School. Field assessment indicated many empty parking spaces and sediment in the parking lot. Proposed project recommendations include reducing impervious cover and installing water quality inlets.									
AC-AC-0315-R06A	Parking Lot Retrofit	New BMP/LID	This is a potential parking lot retrofit at Little River Shopping Center on Little River Turnpike. Recommendations are to add bioretention cells in landscaped islands or along Little River Turnpike.	3.10	3.00	4	5	3	3.50	3.50	63	10
AC-AC-0315-R06C	Green roof	Green roof	There is potential for green roofs on buildings at the Little River Shopping Center.	2.90	2.50	4	5	3	3.30	3.30	100	10
AC-AC-0315-R07A	Dry Pond (0128DP)	Stormwater Pond Retrofit	This is a potential retrofit of dry pond 0128DP that treats multifamily residential homes in the Cavalcade neighborhood. The project recommendations include excavating the pond bottom for storage, replanting vegetation on side slopes and bottom, planting trees on the eroded embankments for stabilization, adding a forebay and lengthening the flow path.	1.50	2.00	4	5	3	2.80	2.80	185	25

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AC-AC-0315-S01	Stream Restoration Project	Stream Restoration Project	This is a stream restoration project behind Donny Brook Court. Field assessment indicated an absence of buffer and moderate erosion. Moving the stream away from the right bank by laying back the slope and creating a bench with material deposited near the left bank is recommended. The stream may need some riprap or other hard stabilization on eroded banks. The location of a housing development may be a site constraint.	1.50	2.00	4	5	3	2.80	2.80	187	25
AC-AC-0315-S02	Stream Restoration Project	Stream Restoration Project	This is a stream restoration project behind Americana Road. Recommendations include laying back the banks or stream shaping, adding logs for habitat, and cleaning up trash in the neighborhood.	1.50	2.00	4	5	3	2.80	2.80	188	25
AC-AC-0320-R01	Dry Pond (0102DP)	Stormwater Pond Retrofit	This is a potential retrofit of dry pond 0102DP behind Whitman Road. Recommendations include converting the first cell into a wetland as wetland vegetation is already present, modifying the outlet structure and excavating the second channel to increase storage and reconnect the channel with the floodplain.	2.80	3.20	5	4	3	3.40	3.40	82	10
AC-AC-0320-S01	Stream Restoration Project	Stream Restoration Project	This project is a stream restoration upstream of Little River Turnpike. Recommendations include rechannelizing the stream near the 236 West crossing, stabilizing the channel, and redirecting the stream to the road crossing outlet.	2.20	2.00	5	4	3	2.90	2.90	179	25
AC-AC-0320-S04	Stream Restoration Project	Stream Restoration Project	This is a stream restoration project behind Pineridge Drive in the Fairfax Hills neighborhood. Field assessment indicated 100-150' erosion on the right bank. This would be a major restoration. Recommendations include rechanneling the stream, stabilizing bank erosion, restoring the buffer and implementing bioengineering techniques where there are no sewer crossings, and armoring techniques where sewers are present.	2.20	2.00	5	4	5	3.10	3.10	150	25
AC-AC-0335-R01A	Wetlands	Wetlands	A wetland is proposed to treat the runoff from the residential area between Gallows Road and Windy Ridge Lane. Proposed recommendations include building a berm upstream of the headwall and excavating for water quality volume storage.	2.20	3.80	5	3	3	3.20	3.20	129	10
AC-AC-0335-R03A	Dry Pond (0106DP)	Stormwater Pond Retrofit	Existing dry pond treating runoff from the Homes Run neighborhood is proposed to be converted to a wetland by adding a micropool, a forebay, raising the embankment for water quality volume storage and channel erosion control and lengthening the flow path to a meandering channel.	2.20	3.60	5	3	3	3.10	3.10	141	25

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AC-AC-0350-B01	Buffer Restoration	Buffer Restoration	There is moderate buffer restoration potential in an area behind Launcelot Way. Recommend restoring the area by tree plantings.	4.20	1.00	3	3	5	3.00	3.00	169	25
AC-AC-0350-R01A	Parking Lot Retrofit	New BMP/LID	Reconfiguration of northern parking lot with bioretention or infiltration islands is proposed to treat the parking lot runoff at Camelot Elementary School. Field assessment indicated the concrete is breaking up and may need to be repaved.	3.10	3.00	3	3	5	3.20	3.20	122	10
AC-AC-0350-R03	Parking Lot Retrofit	New BMP/LID	Parking lot runoff at Pine Ridge Park is proposed to be treated by creating a bioretention at a small parking lot island where water is ponding.									
AC-AC-0350-R02A	Dry Pond (DP0204)	Stormwater Pond Retrofit	The dry pond treating runoff from Fairfax Medical Center is proposed to be retrofitted by removing the concrete channel, adding forebays at inlets and modifying the outlet for water quality volume storage.	1.80	2.40	3	3	3	2.50	2.50	215	25
AC-AC-0350-R02B	Parking Lot Retrofit	New BMP/LID	The parking lot runoff at the Fairfax Medical Center is proposed to be treated by retrofitting the inlets for water quality.	3.10	2.80	3	3	3	3.00	3.00	167	25
AC-AC-0350-S01	Stream Restoration Project	Stream Restoration Project	There is severe erosion downstream of culvert here. There is a potential sewer utility on upstream side of culvert. Propose 100 feet of rigid bank stabilization and 600 feet of bioengineering.	1.50	2.00	3	3	5	2.50	2.50	216	25
AC-AC-0360-R01A	Parking Lot Retrofit	New BMP/LID	This is a potential onsite opportunity to treat the parking lot runoff at Eakin Park.	2.90	3.00	5	3	5	3.40	3.40	92	10
AC-AC-0360-R05	Parking Lot Retrofit	New BMP/LID	Bioretention facilities are proposed to treat parking lot and roof top runoff at Byzantine Church on Woodburn Road.									
AC-AC-0360-R03	Dry Pond (0304DP)	Stormwater Pond Retrofit	Addition of check dams, a sediment forebay and a grass swale at the outlet to prevent erosion are proposed to retrofit the existing dry pond behind Monarch Drive.	2.80	3.80	5	3	3	3.40	3.40	88	10
AC-AC-0370-R02	Dry Pond (0169DP)	Stormwater Pond Retrofit	Existing dry pond treating the runoff from residential area is proposed to be retrofitted by excavating or by modifying riser for water quality volume storage and possibly channel erosion control.	3.50	4.80	4	4	3	4.00	4.00	11	10
AC-AC-0370-S02	Stream Restoration Project	Stream Restoration Project	Buffer planting on right bank is recommended for the stream behind Monarch Lane.	2.20	2.40	4	4	3	2.90	2.90	177	25
AC-AC-0375-R01	Parking Lot Retrofit	New BMP/LID	Installation of two sand filters is proposed to treat the parking lot runoff at commercial business on Williams Drive.	3.10	3.00	3	4	3	3.20	3.20	120	10
AC-AC-0410-R03	Dry Pond (0714DP)	Stormwater Pond Retrofit	Field assessment indicated the existing dry pond behind Blake Park Court is not functioning well due to a shortened flow path. The proposed project is to replace the existing dry pond with bioretention.	1.80	3.00	5	4	3	3.00	3.00	151	25

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AC-AC-0415-	Culvert Retrofit	Culvert Retrofit	Runoff from Oakton High School is proposed to be treated by retrofitting the culvert under Sutton Road.	1.60	4.30	5	3	5	3.30	3.30	99	10
AC-AC-0415-R03	Dry Pond (0085DP)	Pond Retrofit	Existing dry pond treating the runoff from multi-family residential area in the Country Creek neighborhood is proposed to be converted to a wet pond or bioretention.	1.80	2.80	5	3	3	2.80	2.80	183	25
AC-AC-0425-R01	Parking Lot Retrofit	New BMP/LID	Parking lot runoff at Mosby Woods Elementary School is proposed to be treated by implementation of three bioretention facilities: Bioretention #1 - proposes curb cuts and removing the inlet to allow for a bioretention in the open space behind the sidewalk. Other recommendations are to install an underdrain and liner to prevent infiltration close to building. Bioretention #2 - possibility of daylighting system and lowering the island to install bioretention. Bioretention #3 - curb cuts are proposed to treat drainage from road.	3.10	3.00	5	4	5	3.60	3.60	44	10
AC-AC-0425-R03	Wetland	Wetland	There is potential here to pull overflows away from stream and through park area adjacent to sewer line and to create a wetland in the riparian area behind Five Oaks Road. This project would treat runoff from the Randall Valley and Five Oaks neighborhoods.	1.80	4.00	5	4	3	3.30	3.30	95	10
AC-AC-0425-R04&5	Pond Retrofit (FM0021)	Stormwater Pond Retrofit	The existing pond behind Oakton Pond Court is proposed to be retrofitted by installing a forebay and adding a riser.	1.20	2.60	5	4	3	2.70	2.70	192	25
AC-AC-0425-R06	Area wide drainage improvements	Area wide drainage improvements	Water quality of medium-density residential area to be improved by implementing area wide drainage improvements.	3.90	4.50	5	4	3	4.10	4.10	5	10
AC-AC-0430-R03	Dry Pond (0015DP)	Stormwater Pond Retrofit	Proposed recommendations are to retrofit the dry pond by excavating material and installing bioretentions. Existing water elevation should be maintained. Adding a concrete berm is also recommended to maintain half of the ponding depth.	2.50	3.80	5	3	3	3.30	3.30	110	10
AC-AC-0430-R05	Dry Pond (0908DP)	Stormwater Pond Retrofit	Existing dry pond behind Lochalsh Lane is proposed to be retrofitted by excavating the pond bottom and providing a permanent pool and an aquatic bench.									
AC-AC-0430-R05A	Dry Pond (1155DP)	Stormwater Pond Retrofit	Proposed project recommendations are to retrofit dry pond treating runoff from Oakton Estates neighborhood by removing the concrete channel and providing restoration. Recommendations also include installing a flow splitter to divert the 1-year flow from storm drain that bypasses into the pond.									
AC-AC-0430-R05B	New BMP/LID	New BMP/LID	Implementation of bioretention at the outfall behind Bickley Court is recommended.	2.90	2.50	5	3	3	3.00	3.00	158	25

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AC-AC-0430-R07	Pond retrofit (NEW1042)	Stormwater Pond Retrofit	Excavation of existing dry pond behind Cyrandall Place is proposed to provide a permanent pool and aquatic bench .	1.50	2.00	5	3	3	2.40	2.40	221	25
AC-AC-0430-R08	Dry Pond (1313DP)	Stormwater Pond Retrofit	A pond retrofit is proposed behind Miles Stone Court. Proposed recommendations include replacing small dry pond with bioretention, removing rusted riser and replacing with yard inlet.	1.70	2.40	5	3	3	2.60	2.60	205	25
AC-AC-0430-R09	Dry Pond (0041DP)	Stormwater Pond Retrofit	Project proposes an retrofit of an existing dry pond. The pond is a deep facility with small surface area with potential for a permanent pool. Field assessment indicated no potential for forebays and inflow channels would require repair.									
AC-AC-0430-R12	Dry Pond (0527DP)	New BMP/LID	Existing dry pond treating runoff from Oakdale Woods Court is proposed to be converted to a bioretention by replacing outlet structure, repairing inflow concrete flumes or replacing it with a channel.	1.50	2.00	5	3	3	2.40	2.40	222	25
AC-AC-0465-R02	Dry Pond (0100DP)	Stormwater Pond Retrofit	Proposed project is to convert a dry pond treating runoff from Oakton Estates neighborhood to a wet pond.	3.50	4.40	5	3	3	3.80	3.80	29	10
AC-AC-0465-R03A	New BMP/LID	New BMP/LID	A bioretention is proposed to treat parking lot runoff at Valentine Drive by removing the existing COG and by providing curb cut to treat entire parking lot.	3.50	2.70	5	3	3	3.20	3.20	115	10
AC-AC-0475-R01	Dry Pond (0147DP)	Stormwater Pond Retrofit	A very small pond behind Borge Street treating neighborhood runoff is proposed to be converted to a bioretention.	2.20	3.20	4	3	3	2.90	2.90	172	25
AC-AC-0475-R03	Dry Pond (0173DP)	Stormwater Pond Retrofit	There is potential to retrofit the pond behind Oakton Meadows Court. Proposed project recommendations include excavating near the riser to create a small micropool, raising the embankment to increase channel erosion control and modifying the riser.									
AC-AC-0475-R02	Wet Pond (WP0271)	Stormwater Pond Retrofit	This project proposes to retrofit an existing wet pond. Recommendations include providing at least 10 feet of head space above the outlet, excavating below the outlet elevation, installing a berm to lengthen the flow path and creating a two-cell system. Installing a weir at the outlet to raise water level water quality volume storage, excavating the forebay and micropools is also recommended.	2.80	4.40	4	3	3	3.50	3.50	70	10

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AC-AC-0500-R01	Dry Pond (DP0505)	Stormwater Pond Retrofit	Proposed project is to retrofit the existing pond behind Silver Stone Court by removing the concrete channel and installing check dams to create a step-pool bioretention. Pretreatment or forebay at pipe outlet to prevent clogging of bioretention is also recommended.	2.20	3.20	4	3	3	2.90	2.90	173	25
AC-AC-0500-R02	Dry Pond (0073DP)	Stormwater Pond Retrofit	Existing dry pond behind White Flint Court is proposed to be retrofitted by removing concrete channels, installing weir wall with low flow outlet pipe and excavating forebays and area for wet pond to treat water quality volume storage.									
AC-AC-0500-R400A	Dry Pond (DP0381)	Stormwater Pond Retrofit	Project proposes to retrofit the existing dry pond treating runoff from the ATT center on Flagpole Lane by removing the concrete low flow channel, adding a dry swale and constructing concrete weir walls upstream of the outlet pipe to create storage.	3.40	3.30	4	3	3	3.30	3.30	103	10
AC-AC-0510-R01	Dry Pond (1235DP)	Stormwater Pond Retrofit	Existing pond along Buckley Street is proposed to be retrofitted. Recommendations include excavating or modifying the riser, adding an aquatic berm, a sediment forebay, plantings around the pond and a micropool at the riser.	2.50	4.20	3	3	3	3.20	3.20	128	10
AC-AC-0510-R02A1	Pond Retrofit (NEW2028)	Stormwater Pond Retrofit	This project proposes to retrofit the existing wet pond treating the runoff from Redwood Plaza. The project as proposed would provide more storage for water quality volume storage and CPT.									
AC-BB-0000-R01	Dry Pond (0043DP)	Stormwater Pond Retrofit	A retrofit is proposed for the existing pond treating the runoff from a high-density residential area in Barkley neighborhood. Recommendations include removing the existing outfall pipe, extending the flow path and creating a new outfall which would be reconnected to the wetland.	2.30	4.20	3	5	3	3.60	3.60	57	10
AC-BB-0000-R02	Parking Lot Retrofit	New BMP/LID	Potential parking lot retrofit at Kena Shriners Temple. Field assessment indicated a large amount of untreated impervious area. Numerous concepts are proposed for this site including: bioretention, impervious cover removal, permeable pavement, water quality swales. A new wet pond or wetland are also proposed to provide water quality treatment.	2.70	4.80	3	5	3	3.80	3.80	23	10
AC-BB-0005-R01	New Stormwater Pond	New Stormwater Pond	Potential site for new pond behind Silent Valley Drive that would treat the runoff from high-density residential homes in the Comington neighborhood. There are a significant number of large trees that would be impacted by the implementation of a project here.	2.50	4.30	2	5	3	3.50	3.50	60	10

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AC-BB-0005-R02	Dry Pond (1204DP)	Stormwater Pond Retrofit	A retrofit is proposed for the existing dry pond treating the runoff from residential homes in the Barkley neighborhood. The existing pond would be excavated to create a pool for water quality volume storage and plantings would be added along the outfall channel. Field assessment indicates a stable outfall and stream channel. The grass channel below the pond outfall would be converted to a wet swale.	2.50	4.20	2	5	3	3.50	3.50	66	10
AC-BB-0005-R03	Pond Retrofit (NEW1086)	Stormwater Pond Retrofit	This is a retrofit of an existing pond treating the residential runoff from the Armistead Park neighborhood. The pond would be excavated to provide channel erosion control and water quality volume storage.									
AC-BB-0005-R04	Pond Retrofit (NEW1040)	Stormwater Pond Retrofit	This project is a retrofit of a pond in the Armistead Park neighborhood. The riser would be modified to add additional water quality volume storage. Channel erosion control would be difficult because of the existing pond dimensions.	2.20	3.60	2	5	3	3.20	3.20	124	10
AC-BB-0010-R05	Area wide drainage improvements	Area wide drainage improvements	The untreated medium- and low-density residential areas in Bear Branch should be treated for runoff by installing Filterra systems at the existing stormwater inlets.	3.60	4.30	4	5	3	4.10	4.10	6	10
AC-CO-0000-R01	Dry Pond(0178DP)	Pond Retrofit	This project is a retrofit of a dry pond treating runoff from high- and medium-density residential areas. Recommendations include modifying the riser for channel erosion control and installing forebays at inlets.	2.20	3.60	4	4	3	3.20	3.20	125	10
AC-CO-0000-R02	Parking Lot Retrofit	New BMP/LID	This project is at the Hidden Oaks Nature Center. Field assessment indicated an existing onsite bioretention. Runoff from the parking lot and tennis court drain to inlet channel. The outlet is overflowing by passing upper parking lot channel. Proposed project is to disconnect driveways and direct flow to bioretention	2.90	2.80	4	4	5	3.40	3.40	81	10
AC-CO-0005-R02	Parking Lot Retrofit	New BMP/LID	This is for a potential parking lot retrofit at Wachovia building. Field assessment indicated sheet flow from the parking lot to grass area and no existing stormwater management facilities visible. The retrofit would convert the grass area to bioretention by removing a concrete channel.	1.80	2.60	5	4	3	2.90	2.90	171	25

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AC-CO-0015-R01	Dry Pond (0314DP)	Pond Retrofit	This proposed project is to retrofit a dry detention pond that treats a part of the Lafayette neighborhood. Field assessment indicated a badly eroded inlet channel and an eroded downstream channel. Recommendations include modifying the riser, adding a forebay at the inlet and a micropool at the outlet. expanding the pond area around the inlet is also recommended.	3.20	4.20	1	4	3	3.40	3.40	84	10
AC-CO-0020-R02	Area wide drainage improvements	Area wide drainage improvements	Area wide drainage improvement projects to treat runoff from the untreated medium- and low-density areas of the subwatershed are recommended here. Projects include installing water quality inlets, disconnecting downspouts and installing rain gardens.	3.60	4.00	5	3	3	3.70	3.70	41	10
AC-CO-0020-S01	Stream Restoration Project	Stream Restoration Project	There is an opportunity for stream restoration at this location. Recommendations include constructing nested benches throughout the reach and planting in places without buffer. The channel is incised with some active erosion.	1.50	2.00	5	3	3	2.50	2.50	217	25
AC-CR-0000-B01	Buffer Restoration	Buffer Restoration	Tree plantings could restore approximately 600 feet of deficient buffer with moderate restoration potential.	4.60	1.00	1	5	3	3.10	3.10	149	25
AC-CR-0005-B01	Buffer Restoration	Buffer Restoration	Tree plantings could restore approximately 400 feet of deficient buffer with moderate restoration potential.	3.80	1.00	2	4	3	2.70	2.70	190	25
AC-CR-0005-R01	Dry Pond(DP0378)	Stormwater Pond Retrofit	This project is a retrofit of the existing dry pond with level splitter treating the runoff from the Jewish Community Center. The retrofit would provide additional storage capacity for water quality volume, a micropool and an aquatic bench. The riser would be reconfigured riser to get water quality volume and a concrete channel would be removed.	2.50	4.20	2	4	3	3.30	3.30	105	10
AC-CR-0005-R02a	Wet Pond (WP0068)	Pond Retrofit	This project is a retrofit of an existing wet pond treating the runoff from the Ilda neighborhood. The retrofit would provide for additional water quality volume.									
AC-CR-0010-F01	Flood protection/mitigation	Flood protection/mitigation	A detailed analysis of HEC-RAS model is recommended here. The 60' pipe under Glade Road overtops during the 100-year flow affecting eight residential buildings in flood plain.	1.70	4.30	5	3	3	3.20	3.20	132	25

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AC-CR-0010-R01	Dry Pond (0137DP)	Stormwater Pond Retrofit	Runoff from Hunters Glen HOA is treated by an existing dry pond. Since the site is not suitable for a wet pond, proposed project recommendations include retrofitting the pond with storage/infiltration enhancement by using stone.	3.50	4.40	5	3	3	3.80	3.80	30	10
AC-CR-0010-R06	Dry Pond (0045DP)	Stormwater Pond Retrofit	A retrofit is proposed for this existing dry pond treating runoff from the Ridgelea Hills neighborhood. The retrofit would add a micropool and modify the outlet structure.									
AC-CR-0010-R08A	Dry Pond (DP0133)	Stormwater Pond Retrofit	This project is a retrofit of the existing dry pond at Bethlehem Church. The concrete channel would be removed, forebays would be created and the riser modified.									
AC-CR-0010-R02	Bioretention	New BMP/LID	This bioretention project would treat the rooftop runoff from the Providence Presbyterian Church. The downspouts at the rear of the church would be disconnected and routed to the bioretention facility.	3.40	3.50	5	3	3	3.50	3.50	73	10
AC-CR-0010-R05	New BMP/LID	New BMP/LID	A bioretention is proposed before the inlet at this culvert. The bioretention would treat the runoff from the Sunny Hill neighborhood.									
AC-CR-0010-R04	New BMP/LID	New BMP/LID	This proposed project is to use a flow splitter directed to a proposed bioretention or infiltration basin to be sited in open space next to Frontage Road in the Ridgelea Hills neighborhood.	3.40	3.50	5	3	3	3.50	3.50	74	10
AC-CR-0010-S01	Stream Restoration Project	Stream Restoration Project	There is severe erosion for approximately 100 feet in the stream behind Glade Hill Road. Restoration is recommended along the stream channel.	2.20	2.00	5	3	5	2.90	2.90	178	25
AC-CR-0015-R01	New BMP/LID	New BMP/LID	This proposed project at Mantua Elementary School involves repairing the vegetation and bank problems with existing bioretention areas and adding a flow splitter to extend detention.	3.10	3.00	5	4	5	3.60	3.60	45	10
AC-CR-0015-S01	Stream Restoration Project	Stream Restoration Project	This project is a stream restoration behind Colesbury Road. The area is currently hardproofed and has debris on the right bank. There are areas of severe stream erosion and instability.	1.50	2.00	5	4	3	2.70	2.70	203	25
AC-CR-0020-R02	Dry Pond (0200DP)	Stormwater Pond Retrofit	This project is a proposed dry pond retrofit to treat runoff from the Glen neighborhood. Recommendations include excavating to increase storage volume, removing the concrete channel and modifying the riser.	1.80	2.60	5	3	3	2.70	2.70	191	25
AC-CR-0020-R03	Area wide drainage improvements	Area wide drainage improvements	The low- and medium-density residential areas downstream of dry pond 0200DP should be treated for runoff by implementing area wide drainage improvements.	3.90	4.50	5	3	3	3.90	3.90	17	10

Accotink Creek Watershed North  
Draft Project Scores and Ranking

Project ID	Proposed Action	Final Action	Notes	Impact indicators	Source indicators	Priority Subwatersheds	Sequencing	Implementability	Composite Prioritization Score	Composite Prioritization Score adjusted with BPJ	Rank	CIP Schedule
AC-CR-0025-S01	Stream Restoration Project	Stream Restoration Project	There are areas of significant erosion along the length of the stream in this area. This stream restoration project would raise the bed elevation and create a nested channel. Significant earth moving would be required for restoration.	2.20	2.00	5	3	3	2.70	2.70	201	25
AC-CR-0030-R02	Area wide drainage improvements	Area wide drainage improvements	The low- and medium-density residential areas in the subwatershed should be treated for runoff by implementing area wide drainage improvement.	3.90	4.50	5	3	3	3.90	3.90	18	10
AC-HB-0005-R01	Parking Lot Retrofit	BMP/LID Retrofit	This project is a parking lot retrofit at the Pan Am Shopping Center. Improvements include removing parking spaces to increase the area adjacent to pond inlets and installing an underdrain using existing stormdrain infrastructure for overflow.	3.40	3.80	1	5	3	3.60	3.60	56	10
AC-HB-0025-R01A	New Stormwater Pond	New Stormwater Pond	This potential project is for a new pond behind Vienna Moose Lodge on Court House Road. Implementation of the project would cause tree impacts.	2.20	3.80	2	3	3	2.90	2.90	175	25
AC-HB-0025-R01B	Parking Lot Retrofit	New BMP/LID	A parking lot retrofit is recommended at the Vienna Moose Lodge by improving existing inlets to add water quality volume storage.	2.90	2.80	2	3	3	2.80	2.80	182	25
AC-HB-0025-R03B	Parking Lot Retrofit	New BMP/LID	Potential bioretention in parking lots and near tennis courts at Nottoway Park.	3.00	3.00	2	3	5	3.10	3.10	145	25
AC-HB-0025-R03C	New Stormwater Pond	New Stormwater Pond	Proposed new pond to treat the runoff at Nottoway Park by modifying riser in existing wetland to get more storage.									
AC-HB-0035-R01A	New BMP/LID	New BMP/LID	This is a proposed project at Madison High School. Water quality inlets are proposed for the parking lot.	2.90	2.80	2	3	5	3.00	3.00	160	25
AC-LB-0000-R01	New Stormwater Pond	New Stormwater Pond	There is potential for a new wet pond behind Thames Street in the Stone Haven neighborhood. Field assessments indicated the inlet or low flow channel was heavily eroded and disconnected from the basin floodplain. Recommendations include reconnecting the inlet with the rest of the basin, channel erosion control and modifying the outlet to provide extended detention.	2.50	4.50	1	5	3	3.50	3.50	67	10
AC-LB-0005-R01	Parking Lot Retrofit	New BMP/LID	Bioretention or rain gardens are proposed to treat the parking lot runoff at Holy Spirit Catholic Church. There is also good potential to reduce impervious cover and disconnect rooftop drains.	2.90	3.00	4	5	3	3.50	3.50	71	10
AC-LB-0005-R05B	Parking Lot Retrofit	New BMP/LID	Bioretentions are proposed at two areas to treat the upper parking lot runoff at the at the swim club on Blackpool Drive.									

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AC-LB-0005-R02	Dry Pond (0943DP)	Stormwater Pond Retrofit	This site is an existing deep, dry pond with a small footprint. The proposed project is to retrofit the pond by adding a micropool, expanding the footprint and modifying the outlet to get channel erosion control or water quality volume storage.	1.80	3.00	4	5	3	3.10	3.10	138	25
AC-LB-0005-R05A	Wetlands	Wetlands	A wetland is proposed to treat the runoff from the swim club on Blackpool Drive.	2.20	4.00	4	5	3	3.50	3.50	59	10
AC-LB-0005-R06	Area wide drainage improvements	Area wide drainage improvements	Area wide drainage improvements are recommended for the medium-density residential area by implementing a hybrid project that includes installing water quality inlets, disconnecting downspouts, and adding rain gardens.	3.90	5.00	4	5	3	4.40	4.40	1	10
AC-LB-0010-R01	Area wide drainage improvements	Area wide drainage improvements	There are no existing stormwater management facilities in the subwatershed so area wide drainage improvements are recommended to treat the runoff from the medium-density residential area in the Springbrook Forest neighborhood.	3.90	5.00	5	3	3	4.10	4.10	9	10
AC-LB-0015-R01	New Stormwater Pond	New Stormwater Pond	A new stormwater pond is proposed in the grass field to provide storage and capture runoff at the Kings Park Shopping Center. Curb cuts are recommended to direct shopping center runoff to the proposed pond area.	1.80	3.20	5	5	3	3.30	3.30	104	10
AC-LB-0015-R02	Wetlands	Wetlands	A wetland is proposed adjacent to the outfall to provide channel erosion control and water quality volume storage for the runoff from Springbrook Forest neighborhood. The proposed project recommendations include replacing the channel with an online wetland.	2.50	4.40	5	5	3	3.90	3.90	21	10
AC-LB-0015-R03	Parking Lot Retrofit	New BMP/LID	Potential parking lot retrofits at Catensbury Woods Elementary School. Recommendation is to retrofit the inlets to provide water quality treatment. There is also some potential for bioretention at low spots.	3.00	3.20	5	5	5	3.80	3.80	22	10
AC-LB-0015-R06	Area wide drainage improvements	Area wide drainage improvements	This project recommends treating the runoff for the medium density residential area downstream of dry pond 1022DP by implementing area wide drainage improvements.	3.60	4.50	5	5	3	4.20	4.20	4	10
AC-LB-0020-R01	Wet Pond (WP0238)	Stormwater Pond Retrofit	This project proposes to retrofit an existing wet pond treating runoff from the Dunleigh neighborhood. Recommendations include retrofitting the existing pond by modifying the outlet structure, clearing out the inlet, adding an aquatic shelf and clearing trees from the embankment.	1.80	3.00	2	3	3	2.50	2.50	212	25
AC-LB-0020-R02	Dry Pond (DP0362)	Stormwater Pond Retrofit	This is a proposed retrofit of a dry pond behind Fern Park Drive treating runoff from the Dunleigh neighborhood. The retrofit would provide water quality improvements.	2.50	4.00	2	3	3	3.00	3.00	152	25

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Draft Project Scores and Ranking

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AC-LB-0020-R03	Culvert Retrofit	Culvert Retrofit	A culvert retrofit is proposed under Redfox Drive to providing storage above the embankment and channel erosion control.	2.20	4.80	2	3	3	3.20	3.20	130	10
AC-LB-0025-R01A	Dry Pond (0207DP)	Stormwater Pond Retrofit	This project proposes to retrofit an existing dry pond behind Bradfield Court by increasing the pond area and modifying the riser. The sediment should also be cleaned from the inlet pipe.	2.50	4.20	4	3	3	3.30	3.30	106	10
AC-LB-0025-R02	Dry Pond (0055DP)	Stormwater Pond Retrofit	Propose to retrofit this dry pond to achieve channel erosion control and water quality volume storage. Recommendations include installing a forebay and micropool, adding wetland elements and replacing the concrete channel with a wet swale.									
AC-LB-0025-R01B	Parking Lot Retrofit	New BMP/LID	This project is a bioretention to treat the parking lot runoff at the swim club on Bradfield Drive. Recommendations include reducing impervious cover and adding bioretentions along the downslope edge of the parking lot. Implementation of the project would require energy dissipators to slow water.	3.10	3.30	4	3	3	3.20	3.20	119	10
AC-LB-0025-R03B	Parking Lot Retrofit	New BMP/LID	A bioretention is proposed near a natural area to capture rooftop and driveway runoff before it enters the stormdrain at Stephen's United Methodist Church.									
AC-LB-0025-R05	Area wide drainage improvements	Area wide drainage improvements	Area wide drainage improvements are recommended to treat the runoff from the medium-density residential area in the Long Branch neighborhood by implementing a hybrid project that includes installing water quality inlets, disconnecting downspouts and adding rain gardens.	3.70	4.50	4	3	3	3.80	3.80	28	10
AC-LB-0025-S01	Stream Restoration Project	Stream Restoration Project	This stream restoration project is located behind King David Boulevard. Field crews noted 15 feet of bank erosion that is a good candidate for a hard structure.	1.50	2.40	4	3	5	2.70	2.70	200	25
AC-LB-0030-R02	Area wide drainage improvements	Area wide drainage improvements	The untreated medium- and low-density residential areas in the Springbrook Forest neighborhood are recommended to be treated by implementing a hybrid area wide drainage improvement project that includes installing filters at stormwater inlets, disconnecting downspouts and adding rain gardens	3.90	5.00	4	5	3	4.40	4.40	2	10
AC-LB-0030-S01	Stream Restoration Project	Stream Restoration Project	Severe erosion along stream. Possible stormwater management facility near Guinea Road.	2.20	2.60	5	4	5	3.20	3.20	123	10
AC-LB-0035-R02B	Parking Lot Retrofit	New BMP/LID	This project recommends a bioretention area to capture parking lot runoff at Rutherford Park.	2.90	3.00	5	4	3	3.40	3.40	90	10
AC-LB-0035-R03	Area wide drainage improvements	Area wide drainage improvements	Large- and medium-density residential area in the Rutherford neighborhood are proposed to be treated for runoff by implementing area wide drainage improvement projects.	3.90	5.00	5	4	3	4.30	4.30	3	10

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Draft Project Scores and Ranking

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AC-LB-0040-R01A	Wet Pond (WP0178)	Stormwater Pond Retrofit	This is a retrofit of the existing wet pond treating runoff from Lee Meadows neighborhood. Field assessment indicated erosion in the low flow channel, sediment buildup in pond bottom and a clogged outlet. Proposed recommendations include modifying the outlet structure and adding forebays at the inlet.	3.20	4.60	4	3	3	3.60	3.60	48	10
AC-LB-0040-R01B	Wet Pond (WP0179)	Stormwater Pond Retrofit	This project proposes to convert the existing wet pond to a large wetland. Proposed recommendations include excavating the pond to increase storage, adding pools and modifying the outlet.	2.80	3.80	4	3	3	3.30	3.30	109	10
AC-LB-0040-R05	Dry Pond (0054DP)	Stormwater Pond Retrofit	This project proposes to retrofit existing dry pond behind Tartan View Drive for water quality by creating forebays or micropools, lengthening the flow path and modifying the outlet structure.	2.50	3.20	4	3	3	3.00	3.00	162	25
AC-LB-0045-R01	Wetlands	Wetlands	Very large residential area of the Briar Forest neighborhood is draining to a concrete channel behind Olley Lane. Project proposes to convert this channel to a linear wetland.	2.20	3.50	1	4	3	2.90	2.90	176	25
AC-LB-0045-R03	New BMP/LID	New BMP/LID	This is a proposed bioretention at the outlet behind Baya Road to capture neighborhood runoff.	3.40	3.50	1	4	3	3.30	3.30	114	10
AC-LB-0050-R600	Dry Pond (1280DP)	Stormwater Pond Retrofit	This project proposes to retrofit the dry pond treating the Ashford neighborhood runoff. Recommendations include removing the concrete channel near the inlet, adding a stilling basin, increasing the flow path and repairing the earthen inlet channel, and adding a micropool at outlet. Modification of the outlet could include channel erosion control.	2.80	4.40	2	3	3	3.30	3.30	113	10
AC-LB-0055-R02A	New BMP/LID	New BMP/LID	This is a potential site for water quality swales and detention storage behind Marley Road at Rutherford Park.	3.40	4.00	1	5	3	3.60	3.60	49	10
AC-LB-0060-R05	Culvert Retrofit	Culvert Retrofit	A retrofit is proposed for a culvert under Twinbrook Road. The proposed project recommendations are to provide storage above the embankment and retrofit the culvert on the upstream end and to stabilize the stream and provide a stilling basin on the downstream end.	1.80	4.30	1	4	3	3.00	3.00	165	25
AC-LB-0060-R06A	Dry Pond (DP0123)	Stormwater Pond Retrofit	This project proposes to retrofit the existing dry pond treating the runoff from the church by adding a forebay for additional water quality volume storage, modifying the outlet and lengthening the flow path.	1.80	3.20	1	4	3	2.70	2.70	195	25

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Draft Project Scores and Ranking

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AC-LB-0060-R07	Dry Pond (0197DP)	Stormwater Pond Retrofit	An existing dry pond behind Ceralen Court treating runoff from residential area is proposed to be converted to a wet pond by removing concrete channels, installing a sediment forebay and modifying the outlet to provide extended detention.	1.80	3.20	1	4	3	2.70	2.70	196	25
AC-LB-0065-R02	Dry Pond (0057DP)	Wetlands	The existing dry pond treating runoff from a section of Calvary Memorial park seems to be functioning as a shallow wetland at the lower end of pond. Proposed project recommendations include installing a forebay and micropool and reducing the outlet diameter.	2.80	5.00	1	3	3	3.30	3.30	96	10
AC-LB-0065-R03	Pond Retrofit (NEW2022)	Stormwater Pond Retrofit	A retrofit is proposed for the existing pond at Calvary Memorial Park. Proposed recommendations include constructing a wetland with possible retention before and/or after the pond.	2.80	5.00	1	3	3	3.30	3.30	97	10
AC-LB-0075-R02	Culvert Retrofit	Culvert Retrofit	This site is a culvert that can be retrofitted located upstream of Laurel Street. The area is flat with a few large trees that would need to be removed. Recommendations include creating a micropool followed by a pool with wetland plantings. Field assessment indicated that the area upstream and downstream of the culvert are both eroded with a lot of deposition.	2.00	5.00	4	3	3	3.40	3.40	86	10
AC-LC-0000-B01	Buffer Restoration	Buffer Restoration	There is moderate restoration potential for approximately 1500 feet of buffer behind Amberley Lane. Identified from field photo ACLC001.B001	4.20	1.00	5	5	3	3.40	3.40	93	10
AC-LC-0005-R01	Dry Pond (DP0108)	Stormwater Pond Retrofit	Dry pond DP0108 provides detention for the runoff from the theater parking lot on Hilltop Road. The proposed project is to convert the existing dry pond to a wet pond by excavating the bottom for water quality volume storage or retrofitting the riser.	2.50	3.80	2	4	3	3.20	3.20	131	10
AC-LC-0005-R06	Dry Pond (DP0080)	Stormwater Pond Retrofit	The parking lot runoff at the shopping center on Eskridge Road is treated by dry pond DP0080. This proposed project recommends converting to a wet pond by excavating and installing a riser structure.									
AC-LC-0005-R08	Dry Pond (DP0138)	Stormwater Pond Retrofit	This project would retrofit dry pond DP0138, which drains a part of Luther Jackson Middle School and the Gatehouse shopping complex to a wet pond by excavating the bottom.	2.30	3.40	2	4	3	3.00	3.00	156	25
AC-LC-0010-R401	Dry Pond (DP0413)	Stormwater Pond Retrofit	This project proposed to convert dry pond DP0413, which treats a major part of Lee Hi Industrial Park, to a wet pond to add additional water quality volume storage.	2.80	5.00	2	3	3	3.40	3.40	78	10

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AC-LC-0015-R01	Parking Lot Retrofit	New BMP/LID	This project would install a sand filter and retrofit two water quality inlets along Industry Lane to treat the roof top and parking lot runoff at Penske.	3.50	4.00	2	5	3	3.70	3.70	32	10
AC-LC-0015-R403	New BMP/LID	BMP/LID Retrofit	This project would remove the concrete channel behind Public Storage on Lee Highway. A water quality swale would be added to treat the parking lot and rooftop runoff.									
AC-LC-0025-R01	New BMP/LID	New BMP/LID	An infiltration trench is proposed to treat the runoff from rooftops and paved areas located in the southern section of Stenwood Elementary School.	2.90	2.80	3	4	5	3.30	3.30	102	10
AC-LC-0025-R03	Dry Pond (DP0146)	Stormwater Pond Retrofit	A retrofit is proposed for dry pond DP0146 that drains Prosperity Business campus. Project recommendations include removing concrete channels for water quality volume storage and channel erosion control, adding a forebay and micropool and reforesting the open area along the stream.	2.80	4.80	3	4	3	3.70	3.70	40	10
AC-LC-0025-R04	Area wide drainage improvements	Area wide drainage improvements	Area wide drainage improvements for high-density residential area in the Dunn Loring Village neighborhood by implementing a hybrid project that includes installing water quality inlets, disconnecting downspouts, and installing rain gardens.	3.60	4.30	3	4	3	3.80	3.80	26	10
AC-LC-0025-S01	Stream Restoration Project	Stream Restoration Project	This is a potential stream restoration project between Custis Memorial Parkway and Prosperity Avenue. Proposed project recommendations are to raise the bed elevation using step pools. Severe erosion was observed throughout the stream length. Bank stabilization is also recommended.	1.50	2.40	3	4	3	2.60	2.60	209	25
AC-LC-0030-R03	Parking Lot Retrofit	New BMP/LID	This project site is at Thoreau Middle School. A bioretention is proposed along the edge of the parking lot to treat the parking lot and part of rooftop runoff for water quality.	3.00	2.80	5	4	5	3.50	3.50	58	10
AC-LC-0030-R04	Parking Lot Retrofit	New BMP/LID	A parking lot retrofit is proposed to treat the runoff at Stenwood Elementary School for water quality. Downspouts could be disconnected and redirected to proposed bioretention areas. Curb cuts are recommended to divert the parking lot runoff to proposed bioretention areas.									
AC-TR-0000-R02	Parking Lot Retrofit	New BMP/LID	This site is a former school converted into government offices. Field investigation indicated no opportunity to disconnect downspouts as they go directly into the stormwater system. A bioretention facility is proposed to treat the runoff from parking lot.	2.90	2.50	3	4	5	3.20	3.20	127	10

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AC-TR-0000-R05	Wet Pond (WP0195)	Stormwater Pond Retrofit	This project is a retrofit of a wet pond treating runoff from a medium-density residential. Recommendations include removing trees from the embankment, modifying the riser to provide storage, excavating the pond bottom for storage and including an aquatic bend around the pond perimeter. There are wetland elements around pond edge but the existing pond banks are beginning to erode. There are no modifications necessary for the existing inlets.	2.20	3.20	3	4	3	3.00	3.00	163	25
AC-TR-0000-R06	Culvert Retrofit	Culvert Retrofit	A retrofit is proposed at the upstream end of the of culvert under Private Lane. As part of the project there are a few medium-sized trees that would need to be removed.	1.80	5.00	3	4	3	3.40	3.40	80	10
AC-TR-0005-R01	New BMP/LID	New BMP/LID	This site experiences concentrated flows across a yard to an outlet. Recommendations include adding rain gardens, bioretention and check dams. Downspouts are disconnected. This community has experienced a change in discharge to receiving inlets.	3.60	4.00	5	4	3	3.90	3.90	19	10
AC-TR-0010-R01	New BMP/LID	New BMP/LID	Possible downspout disconnection and bioretention at Wakefield Elementary School. Rain gardens may also be possible here.	2.90	2.50	3	3	5	3.00	3.00	159	25
AC-TR-0010-S01	Stream Restoration Project	Stream Restoration Project	Some parts of the stream in this area are eroded. Repairs to the stream and buffer restoration is recommended.	1.50	2.00	3	3	5	2.50	2.50	218	25
AC-TR-0010-S02	Stream Restoration Project	Stream Restoration Project	Minor to moderate erosion along stream, repairs are recommended here.	1.50	2.00	3	3	5	2.50	2.50	219	25
AC-TR-0010-S03	Stream Restoration Project	Stream Restoration Project	Moderate erosion along stream, repairs are recommended here.	1.50	2.00	3	3	5	2.50	2.50	220	25