

Appendix A: Field Site Assessment Summary

**Potomac Direct Watershed Assessment
Appendix A - BMP Field Site Assessment Summary**

Existing Conditions - BMP Sites																
Site ID	Address	Latitude	Longitude	Existing BMP Type	Adjacent Landuse	Inflow Conditions	Control Structure Conditions	Spillway Condition	Embankment Condition	Outfall Condition	Access	Access Notes	Utility Conflicts	Utility Types	Construct-ability	Additional Comments
BMP 015	4106 Harvard Pl Frederick MD 21703	39.34950606	-77.49901587	Dry Pond	Agricultural, Commercial	Large amount of ponding and erosion. Overgrown vegetation	Low flow orifice in front of notched weir.	Couldn't be assessed, dense vegetation.	Vegetated	Riprap channel	Moderate	Fenced, private owner	None	N/A	Moderate	
BMP 068	3302 Ballenger Creek Pike Frederick MD 21703	39.32367652	-77.49140225	Dry Pond	Industrial	Facility was covered in overgrown vegetation and the inflow could not be assessed. Owner said it was pipe flow.	CMP riser with low flow orifice.	Spillway was enclosed in riser and could not be assessed.	Evenly vegetated.	Outfalls to a riprap channel then to culvert and then to stream channel.	Easy	Must be accessed through Builders First loading yard.	None	N/A	Easy	
BMP 090	5399 Agro Dr Frederick MD 21703	39.33819272	-77.48281038	Dry Pond	Industrial	Inflow could not be located	Control structure could not be located	Spillway could not be located	Heavily vegetated	Heavily vegetated and could not be assessed	Easy	Access through Builders Supply and lumber parking lot.	None	N/A	Easy	
BMP 103	1595 Bowis Dr Point Of Rocks MD 21777	39.27565907	-77.52854096	Retention Area	Commercial, Other	Curb cut with debris on Western side of BMP. Culvert pipe on southern side	N/A	N/A	N/A	N/A	Easy	Access though gas station parking lot	Extensive	Gas Lines, U/G Electric	Difficult	
BMP 175	4106 Harvard Pl Frederick MD 21703	39.34874708	-77.49792413	EDSW	Industrial	Eroded CMP filled with sediment and debris. Small v ditch coming from parking lot.	8" orifice plate through notched weir. Gabion baskets in front of weir	Good	Roadway embankment	Riprap channel to existing culvert/swale	Easy	Must go through private driveway	None	N/A	Easy	
BMP 243	5294 Agro Dr Frederick MD 21703	39.34188063	-77.48404386	Dry Pond	Industrial	3 Riprap lined channels, owner implied they installed the riprap post construction	CMP Riser with stone jacketed low flow pipe. Approx. 6" PVC.	Could not be viewed	Few ground hog holes. No other issues	Outfall pipe in good condition. Outfalls to running stream.	Moderate	Needs to be accessed through GSI parking lot.	Minor	OH Electric	Moderate	
BMP 316	854 Jefferson Pike Knoxville MD 21758	39.33793049	-77.6406293	Dry Pond	Agricultural, Commercial, Forested	Sheet flow and two riprap ditches	Notched weir wall with riprap channel.	No issues.	Evenly vegetated in good condition.		Easy	Access through McDonalds parking lot	None	N/A	Easy	
BMP 317	854 Jefferson Pike Knoxville MD 21758	39.33736949	-77.64021305	Infiltration Trench	Commercial	Two curb cuts with riprap	None	Inlet at downstream end of facility	None	Clogged inlet at downstream end of facility	Easy	Access through McDonalds parking lot	Extensive	Water	Difficult	
BMP 318	4990 Winchester Blvd Frederick MD 21703	39.34414035	-77.49687622	Dry Pond	Commercial	Existing swale along eastern side of BMP, 18" CMP pipe with end section, 24" RCP pipe with end section	Concrete riser with perforated CMP low flow	Elliptical CMP in good condition	Some ground hog holes but evenly vegetated.	Vegetation around outfall prevented detailed inspection. Facility outfalls to a grass swale.	Easy	Roadside access via Winchester Boulevard.	None	N/A	Easy	
BMP 362	5263 Agro Dr Frederick MD 21703	39.34119495	-77.4882266	Dry Pond	Industrial	Swales, on either side of the facility	2 stage weir wall	Vegetated but in good condition	Good, few groundhog holes	Riprap channel with some minor vegetation	Moderate	Access through Joe Berdett parking lot	Minor	OH Utilities	Moderate	
BMP 423	5090 Mountville Rd Frederick MD 21703	39.32516305	-77.49267077	Wet Pond	Agricultural, Commercial	Mostly sheet flow with a small grass swale	Concrete riser structure with stone jacketed low flow pipe	Good, CMP	Bare spots on downstream side but no major concerns	Outfalls to a large field, some erosion and vegetation	Moderate	Must be accessed through MES parking lot.	None	N/A	Easy	
BMP 494	5151 Mountville Rd Frederick MD 21703	39.32322029	-77.49141131	Dry Pond	Commercial, Industrial	2 Swales and a CPP pipe filled with sediment	Concrete riser with low flow orifice	Good CMP pipe	Good	Outfalls to existing roadside swale	Easy	Roadside access via Mountville Road.	None	N/A	Moderate	
BMP 558	5101 Mountville Rd Frederick MD 21703	39.32457175	-77.49398807	Retention Pond	Agricultural, Commercial	All sheet flow.	Notched weir wall.	In good shape.	Tall vegetation no noticeable deficiencies	Unclear where facility ultimately outfalls, ponding just on other side of weir wall	Easy	Access via the nearby driveway.	Minor	OH Electric	Moderate	
BMP 606	5169 Mountville Rd Frederick MD 21703	39.32254727	-77.49040858	EDSW	Commercial, Industrial	Potentially Swaled in. No inflow pipe	Overgrown veg	Could not be viewed	N/A	Outfalls to existing grass swale downstream after a junction with a culvert	Easy	Best accessed through the shoulder on the southern side of Mountville Rd.	None	N/A	Moderate	
BMP 630	4107 Harvard Pl Frederick MD 21703	39.34898743	-77.49653759	Dry Pond	Agricultural, Forested, Industrial	Sheet flow from parking lot. One small 6" CPP downspout. Large ditch on eastern side. 2 6" PVC downspout. Erosion at each inflow location	PVC low flow pipe, weir wall with cut out for higher flows.	Riprap channel that dumps into woods.	Good, vegetated	Riprap channel into wooded area.	Easy	Can be accessed from large private parking lot.	None	N/A	Easy	
BMP 632	4800 Winchester Blvd Frederick MD 21703	39.34353614	-77.50556004	Dry Pond	Commercial	One 6" CPP downspout	Notched weir wall. No orifice plate	Minor debris in spillway	Vegetated	Eroded riprap channel.	Easy	Access from AT&T Repeating Station pakring area.	Extensive	Telecom	Difficult	
BMP 656	4701-4749 Winchester Blvd Frederick MD 21703	39.33733625	-77.50391141	EDSW	Commercial, Forested	Good. 36" CMP head wall. Riprap channel	2 stage notch weir, no orifice plate	Good	Vegetated. Bamboo stand	Riprap channel with debris	Easy	Access from Winchester Boulevard.	None	N/A	Easy	
BMP 657	4751-4773 Winchester Blvd Frederick MD 21703	39.33821715	-77.50309082	EDSW	Commercial, Forested	Elliptical CMP and grass swale. Large Riprap channel into pond	Notched weir wall with perforated CMP low flow device.	Good	Good, some vegetatiom	Riprap channel with minor debris	Easy	Access from Winchester Boulevard.	None	N/A	Easy	
BMP 783	3260 Sunrise Ct Jefferson MD 21755	39.31235433	-77.55673508	Dry Pond	Forested, Residential	3 ditch inflows	Concrete riser with a low flow orifice	Spillway in good condition, looks like 18" CMP	Some bare spots, otherwise good condition	Eroded stream channel with rusted out end section	Easy	Roadside access from Sunrise Drive. May need to be mindful of slopes.	None	N/A	Moderate	
BMP 783 RSC	3260 Sunrise Ct Jefferson MD 21755	39.31282945	-77.55727504	N/A	Forested, Residential	N/A	N/A	N/A	N/A	N/A	Moderate	Forest conservation area, must be careful of temporary impacts from access.	None	N/A	Difficult	Approx 50-75' of eroded outfall into stream. In close proximity to FCA.
BMP 784	3265 Sunrise Ct Jefferson MD 21755	39.31173935	-77.55824994	Dry Pond	Forested, Residential	Good condition. 3 Swales.	Good condition, concrete riser with low flow pipe	Good. CMP I'm good condition	Minor erosion/bare spots	Riprap channel into forest conservation area	Moderate	Very steep slopes	None	N/A	Moderate	
BMP 800	2175 Swains Lock Ct Point Of Rocks MD 21777	39.28452834	-77.53112242	Retention Area	Residential	Sunken hole, with 8" RCP	N/A	N/A	Evenly vegetated. No holes or trees.	N/A	Moderate	Steep slopes and guard rail	Minor	SHA, SW, U/G Electric, Water	Moderate	
BMP 669	Stanford Ct Frederick MD 21703	39.34326326	-77.50019546	Wet Pond	Agricultural	Riprap channel in northern corner of pond, active flow running through channel at time of assessment.	Notched weir wall with a low flow orifice	Weir wall spillway in good condition. Orifice submerged, couldn't be assessed.	In good condition with even vegetation.	Outfalls directly into a stream channel. Stream channel stable and well vegetated.	Easy	Access through Carr property.	None	N/A	Difficult	

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BMP 127	4997 Winchester Blvd Frederick MD 21703	39.34372808	-77.49805715	Wet Swale	Agricultural, Commercial	CMP pipe outfalling to a riprap channel coming from upstream commercial parking lot.	N/A	Eroded channel	N/A	Outfalls to stable stream channel.	Easy	Small farm road between Carr property and commercial property. There is an access gate.	None	N/A	Easy		
OID 55	4965 Winchester Blvd Frederick MD 21703	39.34648636	-77.498304	Dry Pond	Commercial, Open Space	2 6" CPP downspouts.	Good. Concrete riser with low flow pipe.	Good, no blockage	Well vegetated in good condition.	Vegetated channel, riprap. Grading may not allow proper drainage.	Easy	Access from Willard Plumbing drive way/ parking lot.	None	N/A	Easy		
BMP 588	3362 Basford Rd Frederick MD 21703	39.32469827	-77.51447336	Bioretention	Forested	No inflow found.	No control structure found.	No spillway found.	No visible embankment.	No outfall could be located.	Easy	Roadside access from Bassford Rd.	None	N/A	Moderate	No defined BMP in place. Significant ponding.	
BMP 685	5515 Adamstown Rd Adamstown MD 21710	39.31200317	-77.4734488	Shallow Wetland	Commercial, Open Space, Residential	3 stone jacketed 6" PVC pipes	N/A	Two 48" CPP pipes with a trash rack	Good well vegetated	Riprap channel outfalling to a a culvert	Easy		None	N/A	Easy	Already under design for retrofit, removed form consideration.	
OID 32	4780 Winchester Blvd Frederick MD 21703	39.34170553	-77.50579884								Moderate	Steep slopes	None	N/A	Moderate	Owner did not respond to mailing, removed from consideration.	
OID 40	N/A	39.27456666	-77.52826333														No site visit conducted, owner did not wish to participate.
OID 46	N/A	39.33028333	-77.48781632														No site visit conducted, owner did not wish to participate.
OID 47	3909 Cornell Pl Frederick MD 21703	39.34134909	-77.50310699										Minor	U/G Electric			End of Cornell Place Rd. Discharges onto active construction site.
OID 48	5101 Mountville Rd Frederick MD 21703	39.3239154	-77.49251361								Moderate	Most use MOT for construction	None	N/A	Difficult		Located next to Mark's Equipment Service driveway.
OID 50	2796-2802 Decatur Dr Adamstown MD 21710	39.30990899	-77.47030693								Easy		None	N/A	Moderate		Captured in BMP 685 retrofit which is currently under design.
OID 56	N/A	39.34741645	-77.49928333														Owner did not respond to mailing, no site visit performed.
BMP 857	5648 Mountville Rd Adamstown MD 21710	39.30595504	-77.47097346	Dry Pond	Residential	1 12" CPP inflow. 2 18" RCP headwalls. 1 L headwalls outfalling two elliptical RCPs into a large forebay	Notched weir wall with a PVC low flow device	Good	Good	Outfall for low flow could not be located, dense vegetation	Easy		None	N/A	Easy		Already under design for retrofit, removed form consideration.

Removed from consideration

FCA = Forest Conservation Area. SHA = State Highway Administration. SW = SW. U/G = Underground. OH = Overhead

**Potomac Direct Watershed Assessment
Appendix A - Stream Field Site Assessment Summary**

Existing Conditions - Stream Sites									
Site ID	Address	Latitude	Longitude	Bank Erosion	Access	Utility Conflicts	Constructability	Public Visibility	Additional Comments
POTD-131-R-2015	3888 Point of Rocks Rd Jefferson, MD	39.289164	-77.535042	High - low to moderate erosion downstream, severe entrenchment upstream	Moderate - close to main road, very steep banks	Overhead powerline conflicts and possible sewer conflict	Difficult - road and steep mountain banks limit grading possibilities	High - alongside main road	Not recommended for restoration Difficult to cut down banks to create floodplain relief.
POTD-133-R-2009	4501 E Basford Rd Frederick, MD	39.309665	-77.507968	High - exposed raw banks and sharp meanders	Easy - farm fields and minimal riparian buffer	Two overhead powerline conflicts	Easy - minimal trees	Moderate - upstream end near road	Recommended for restoration
POTD-139-R-2010 & POTD-132-R-2009 COMBINED	46541 Cap Stine Rd Frederick, MD	39.347383	-77.471889	High - 3 to 10 foot high banks, heavy meanders	Easy - flat, would not disrupt traffic	Minor overhead powerline conflicts	Easy - limited trees	Moderate - visible at end of reach	Recommended for restoration Large wetland area at southern end of reach
POTD-2018-STRE-0001	698 Tritapoe Dr Knoxville, MD	39.319416	-77.648341	High - 2 to 4 foot actively eroding banks	Moderate - small yards, houses, and other infrastructure	Minor overhead Conflicts	Moderate - limited floodplain relief and buffer width	High - easy view from road	Recommended for restoration due to public safety concerns Likely ineligible for TMDL credits due to size and condition
POTD-2018-STRE -0005 R1	1129 Brentland Rd Knoxville, MD	39.355445	-77.633366	High - 2 to 4 foot actively eroding banks	Easy - Flat, open, direct road	None visible	Easy - potentially no wetlands	Moderate - far from major road, visible from business driveway	Recommended for restoration Owner is not fond of current stream restoration on property
POTD-2018-STRE -0005 R2	1129 Brentland Rd Knoxville, MD	39.350791	-77.633570	Moderate - Some incised, some stable	Easy - Access through farm fields	None visible	Moderate - forested banks	Low - Off main road in forested area	Not recommended for restoration
POTD-205-R-2008	3937 Cap Stine Rd Frederick, MD	39.341883	-77.492467	Low erosion upstream, moderate 1 to 2 foot banks downstream	Easy - open farm field and minimal buffer	None visible	Easy - minimal impact	Low - Off main road in agricultural area	Not recommended for restoration Stream was generally stable and did not require restoration
POTD-301-R-2013	5308 Doubs Rd Adamstown, MD	39.305842	-77.484048	High - 3 to 7 foot actively eroding banks	Easy - flat, open field with some small buffer	None visible	Easy - no major conflicts	Moderate - mostly on private property, upstream visible from road	Recommended for restoration Existing riparian buffer planted by CBF approx. 10 years ago