
Candidate Projects Report

Subwatershed HC-CR-0001 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Cedar

Description Primarily MDR, OS along stream corridor, 2 DP, much of MDR has no SWM controls **Impairments** Erosion downstream from dry ponds, poor water quality

Restoration Selection Criteria Field Recon/DC, Field Recon/ProRata, SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff, improve existing dry ponds, improve water quality

Percent Impervious 31.32%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
183	Subwatershed Improvement	1	Expand existing dry pond into field, replace existing paved ditch with naturalized drainage channel farther upstream, possible reduce size of low flow orifice to hold back smaller storm events	May compliment or replace projects 187 and/or 188; Should be completed prior to project 189 (stream restoration)	3029 JEANNIE ANNA CT
184	Subwatershed Improvement	1	Enlarge existing dry pond 0443DP and retrofit to naturalized basin, possible reduce size of low flow orifice to hold back smaller storm events	May compliment or replace project 185	2992 EMERALD CHASE DR
185	Subwatershed Improvement	9	Integrate infiltration basin into existing dry pond 0443DP, create low flow channel with vegetated swale	May compliment or replace project 184	2992 EMERALD CHASE DR
186	Subwatershed Improvement	8	Improve outfall below dry pond 0443DP to dissipate more energy	May compliment, but should not replace projects 184 and/or 185	2911 PLEASANT GLEN DR
187	Subwatershed Improvement	9	Replace drainage ditch with vegetated swale/infiltration trench, include check dams to slow flow/dissipate energy	May compliment, but should not replace project 183	2907 MOTHER WELL CT
188	Subwatershed Improvement	8	Improve outfall to dissipate more energy	May compliment, but should not replace projects 183 and/or 187	13239 PLEASANT GLEN CT
189	Stream Restoration	3	Repair eroding streambanks below outfall	Must control stormwater prior to stream restoration (projects 183, 187, 188)	13239 PLEASANT GLEN CT
190	Subwatershed Improvement	9	Disconnect drainage and re-route through vegetated swale/infiltration trench to expanded dry pond (project 183), additional drainage area to dry pond approx 5 acres	Must expand/enhance dry pond (project 183) prior to re-routing storm flow	13304 GLEN TAYLOR LA

191	Subwatershed Improvement	1	New naturalized basin or wetland to intercept flow before it reaches the stream, drainage area approx 6 acres - along trail, also Public Education		2961 MOTHER WELL CT
192	Subwatershed Improvement	9	Replace paved ditch with infiltration trench/basin or combination of LID retrofits, drainage area approx 3 acres		2940 MOTHER WELL CT
193	Subwatershed Improvement	9	Replace paved ditch with infiltration trench/basin or combination of LID retrofits, drainage area approx 2 acres		13313 SCOTSMORE WY
194	Subwatershed Improvement	9	New infiltration basin between homes and road, drainage area approx 10 acres	Possible alternative to project 195	3020 SUMMERSHADE CT
195	Subwatershed Improvement	1	New SWM facility (naturalized basin or constructed wetland to receive flow from road drainage and intercept flow from drainage channel in HC-CR-0003, drainage area approx 13 acres	Possible alternative to project 194	3022 SUMMERSHADE CT
196	Subwatershed Improvement	9	Replace paved ditch with infiltration trench		3018 EMERALD CHASE DR
197	Subwatershed Improvement	9	Disconnect drainage and re-route through infiltration basin/variety of LID retrofits, drainage approx 5 acres	Possible alternative to project 198	3020 EMERALD CHASE DR
198	Subwatershed Improvement	1	New naturalized basin or wetland to intercept flow before it reaches the stream, drainage area approx 5 acres	Possible alternative to project 197	3020 EMERALD CHASE DR
199	Subwatershed Improvement	1	New naturalized basin or wetland to intercept flow before it reaches the stream, drainage area approx 7 acres		3004 EMERALD CHASE DR

Subwatershed HC-CR-0002 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Cedar

Description Headwaters, MDR - culdesacs, OS along stream corridor but 50' or less forested buffer, no SWM **Impairments** Poor habitat and water quality, stream erosion impacts, high flows per acre

Restoration Selection Criteria Regional Pond and Public Involvement, SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Provide alternatives to regional pond, improve habitat and water quality, capture impervious runoff

Percent Impervious 28.95%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M1a	Regional Pond Alternatives	0	LID retrofit - Replace existing concrete channel with new infiltration basin, drainage area approx 8 acres		3013 HUGHSMITH CT
M1b	Regional Pond Alternatives	0	Drainage improvement - Replace existing piped drainage with some type of natural channel along edge of field	may compliment or replace project M1c, possible alternative to project M1d	3021 HUGHSMITH CT
M1c	Regional Pond Alternatives	0	LID project - integrate Infiltration trench/basin with drainage improvement project (bringing drainage from pipe to surface), drainage area approx. 6 acres	may compliment or replace project M1b, possible alternative to project M1d	3021 HUGHSMITH CT
M1d	Regional Pond Alternatives	0	New constructed wetland to replace existing piped drainage, drainage area approx. 6 acres	possible alternative to projects M1b & M1c	3021 HUGHSMITH CT
M1e	Regional Pond Alternatives	0	Drainage improvement project to add meander to straightened stream channel		13239 STONE HEATHER DR
M1f	Regional Pond Alternatives	0	New SWM facility - wetland or wet pond to receive flow from portion of Chantilly Highlands, drainage area approx 12 acres		13131 LADYBANK LA
M1g	Regional Pond Alternatives	0	LID project - new bioretention or infiltration to intercept piped drainage before it reaches the stream, drainage area approx 1.5 acres		13145 LADYBANK LA
M2	Stream Restoration	3	Repair headcut and erosion		2973 MOTHER WELL CT

Subwatershed HC-CR-0003 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Cedar

Description Primarily MDR culdesaces, OS along stream corridor, some ESR along riparian zone slated for LDR, 6 DP **Impairments** Poor water quality, deficient riparian buffer, high channelized streams

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Improve water quality & riparian buffer, improve channelized streams

Percent Impervious 30.04%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
200	Stream Restoration	2	Daylight stream and return to natural channel - follow meander of OS	May compliment project 201 and 202	13104 WHEELER WY
201	Subwatershed Improvement	1	New naturalized basin or wetland	May compliment project 200 and 202	13106 WHEELER WY
202	Subwatershed Improvement	9	Replace paved ditch with vegetated swale/infiltration trench	May compliment project 200 and 201	3115 ASHBURTON AV
203	Subwatershed Improvement	9	Integrate infiltration basin into dry pond 1059DP, and replace paved ditch with vegetated swale/infiltration trench		3117 ASHBURTON AV
204	Subwatershed Improvement	9	Retrofit grass swale to vegetated swale/infiltration trench, include check dams to slow flow/dissipate energy and improve outfalls		13022 GREY FRIARS PL
205	Subwatershed Improvement	1	New naturalized basin or wetland, drainage area approx 13 acres		12903 HARRINGTON CT
206	Subwatershed Improvement	9	Integrate infiltration basin into dry pond 1072DP, replace paved ditches with vegetated swales/infiltration trenches		12900 HARRINGTON CT
207	Subwatershed Improvement	1	Retrofit dry pond 1001DP to naturalized basin		12807 SAFFRON DR
208	Subwatershed Improvement	9	Integrate infiltration basin into dry pond 1116DP, replace paved ditches with vegetated swales/infiltration trenches	Possible alternative to project 209	12901 HEDGETOP DR
209	Subwatershed Improvement	1	Retrofit dry pond 1116DP to naturalized basin	Possible alternative to project 208	12901 HEDGETOP DR
210	Preservation		Restore and improve riparian buffer		12902 HEDGETOP DR

Subwatershed HC-CR-0004 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Cedar

Description Headwaters, primarily MDR, culdesacs, OS along most of stream corridor, most of MDR has SWM control, 1 WP, 1 DP, 2 nonSWM ponds **Impairments** Flood complaints, poor habitat and water quality

Restoration Selection Criteria Regional Pond and Field Recon/DC, SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Provide alternatives to regional pond, improve habitat and water quality, capture impervious runoff

Percent Impervious 20.75%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
M4r	Regional Pond Alternatives	0	SWM retrofit - retrofit existing dry pond 0116DP to provide additional quantity and/or quality control		2956 TIMBER WOOD WY
M4s	Regional Pond Alternatives	0	LID retrofit - retrofit existing dry pond 0116DP to infiltration basin		2956 TIMBER WOOD WY
M4t	Regional Pond Alternatives	0	LID retrofit, bio retention to intercept piped drainage before it reaches stream drainage area approx 1 acre	would require homeowner consent	12811 AWBREY CT
M4u	Regional Pond Alternatives	0	New constructed wetland to replace existing channelized drainage, drainage area approx. 20 acres - also integrate public education (park)		12754 FLAT MEADOW LA
M4v	Regional Pond Alternatives	0	New constructed wetland to replace existing paved ditch, drainage area approx. 9 acres - also integrate public education (park/trail)	possible alternative to projects M4w or M4x	12712 TURBERVILLE CT
M4w	Regional Pond Alternatives	0	New infiltration basin to replace existing paved ditch, drainage area approx. 9 acres	possible alternative to projects M4v or M4x	12759 FLAT MEADOW LA
M4x	Regional Pond Alternatives	0	Drainage improvement project to add meander/natural channel to paved ditch	possible alternative to projects M4v or M4w	12712 TURBERVILLE CT

Subwatershed HC-CR-0005 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Cedar

Description Headwaters, primarily MDR, culdesacs, OS along most of stream corridor, most of MDR has SWM control, 5 DP, 1 WP, 3 nonSWM pond **Impairments** Flood complaints, fair habitat, poor water quality

Restoration Selection Criteria Drains to Regional Pond in HC-CR-0004 and Field Recon/DC, SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Provide alternatives to regional pond, improve habitat and water quality, capture impervious runoff

Percent Impervious 23.01%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
M3	Stream Restoration	2	Daylight streams between utility ROW and wet pond	May compliment projects M4m/M4n/M4o and M4p/M4q	12776 TURBERVILLE LA
M4a	Regional Pond Alternatives	0	LID retrofit - retrofit existing berm/open area to infiltration basin, drainage area approx 5 acres		12605 ASTURIAN CT
M4b	Regional Pond Alternatives	0	New constructed wetland/SWM pond to provide treatment to Franklin Corner sbdv, re-route pipe at edge of woodlands to intercept flows, drainage area approx 15 acres		12605 HERITAGE FARM LA
M4c	Regional Pond Alternatives	0	LID project - bioretention at rear corner of yard, drainage area approx. 1.5 acres	would require homeowner consent	3001 JONQUILLA CT
M4d	Regional Pond Alternatives	0	SWM retrofit - retrofit existing non-stormwater pond to provide additional quantity and/or quality control, may include pond draw-down		12710 FRANKLIN FARM RD
M4e	Regional Pond Alternatives	0	SWM retrofit - retrofit existing dry pond 0880DP to naturalized dry pond or wetland		3116 FRANKLINS WY
M4f	Regional Pond Alternatives	0	SWM retrofit - retrofit existing non-stormwater pond to provide additional quantity and/or quality control, may include pond draw-down		12741 FRANKLIN FARM RD
M4g	Regional Pond Alternatives	0	New constructed wetland/SWM pond at pipe outfall to provide treatment to portion of Franklin Farm sbdv, drainage area approx 12 acres		13123 ROUNDING RUN CI

M4h	Regional Pond Alternatives	0	New constructed wetland/SWM pond between two pipe outfalls to provide treatment to portion of Franklin Farm sbdv, drainage area approx 15 acres		13111 ROUNDING RUN CI
M4i	Regional Pond Alternatives	0	New LID project - infiltration basin to intercept piped drainage before it reaches the stream, drainage area approx. 5 acres		3124 HANNAH'S POND LA
M4j	Regional Pond Alternatives	0	Non-Structural - Targeted rain barrel program for homes on Cross Creek Ln & Cross Creek Ct		12810 CROSS CREEK LA
M4k	Regional Pond Alternatives	0	Drainage improvement - improve drainage channel between piped outfall and stream		13100 BRAMBLEWOOD LA
M4l	Regional Pond Alternatives	0	New LID project - infiltration basin to intercept piped drainage, drainage area approx. 7 acres		13126 THORNAPPLE PL
M4m	Regional Pond Alternatives	0	New LID project - 2 infiltration basins to replace existing paved ditches, drainage area approx. 14 acres total	possible alternative to projects M4n or M4o	12709 TURBERVILLE CT
M4n	Regional Pond Alternatives	0	New constructed wetlands to replace existing paved ditches, drainage area approx. 14 acres total	possible alternative to projects M4m or M4o	12709 TURBERVILLE CT
M4o	Regional Pond Alternatives	0	Drainage improvement project to replace existing paved ditches with meander/natural channel	possible alternative to projects M4m or M4n	3007 FLAT MEADOW CT
M4p	Regional Pond Alternatives	0	New LID project - infiltration basin replace existing paved ditch, drainage area approx. 2.5 acres	possible alternative to project M4q	3108 HANNAH'S POND LA
M4q	Regional Pond Alternatives	0	Drainage improvement project to replace existing paved ditch with meander/natural channel	possible alternative to project M4p	3108 HANNAH'S POND LA

Subwatershed HC-FP-0001 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Frying Pan

Description Primarily LDR, HDR, INT, OS, some non-riparian OS slated for HDR, 5 DP - most of dev has SWM **Impairments** Flooding, deficient buffer, poor habitat, severe headcut

Restoration Selection Criteria SW Ranking, Flooding **Preservation Qualities** At risk for future development of OS

Preservation Selection Criteria % Increase IMP (7.44%), STEPL **Improvement Goals** capture impervious runoff, improve habitat and riparian buffers, repair headcut

Percent Impervious 23.27%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
60	Subwatershed Improvement	8	Improve outfall to dissipate more energy	Possible alternative to project 61	2714 COPPER CREEK RD
61	Subwatershed Improvement	1	New SWM facility - re-route drainage pipe to discharge into new dry pond/constructed wetland downstream of current outlet	Possible alternative to project 60	2718 COPPER CREEK RD
62	Stream Restoration	3	Repair headcut below SW outfall		2714 COPPER CREEK RD
63	Subwatershed Improvement	1	Retrofit existing dry pond 1288DP to provide additional storage/water quality - current outlet structure is 5' culvert, not functioning dry pond		2554 CENTREVILLE RD
64	Preservation		Conservation easement to preserve riparian buffer area and allow for enhanced dry pond		2554 CENTREVILLE RD
65	Subwatershed Improvement	9	LID retrofits including bioretention and infiltration around facility parking lots/landscaping to intercept SW runoff before it reaches the stream		13600 FRYING PAN RD
66	Subwatershed Improvement	9	LID retrofits including bioretention and infiltration around facility parking lots/landscaping to infiltrate SW runoff		2717 WEST OX RD
67	Subwatershed Improvement	1	SWM retrofit - enhance or replace TBD dry pond with functioning dry pond/naturalized basin, approx drainage area 20 acres		2625 CENTREVILLE RD
68	Subwatershed Improvement	9	LID retrofit/bioretention/infiltration to treat runoff from HIC and roadside drainage		13500 COPPER RIDGE DR

Subwatershed HC-FP-0003 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Frying Pan

Description Primarily MDR & OS, 3 DP, most of res area is detention only SWM **Impairments** Invasive species, deficient buffer, fair habitat, channelized streams

Restoration Selection Criteria Public Involvement **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** buffer restoration, restore natural stream channels

Percent Impervious 20.74%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
70	Subwatershed Improvement	1	New SWM facility, wet pond/constructed wetland, drainage area approx 5 acres		13139 CURVED IRON RD
71	Subwatershed Improvement	1	New SWM facility, wet pond/constructed wetland, drainage area approx 8 acres	Possible alternative to project 72	2504 HALTERBREAK CT
72	Subwatershed Improvement	9	New infiltration basin, may or may not include swale, drainage area approx 8 acres	Possible alternative to project 71	2500 HALTERBREAK CT
73	Subwatershed Improvement	1	Retrofit existing dry pond 0919DP into naturalized dry pond		13115 FARMSTED CT
74	Stream Restoration	2	Remove concrete channel replace with natural channel design	will compliment project 73	13107 FARMSTED CT
75	Preservation		Riparian buffer restoration		13109 FARMSTED CT
76	Subwatershed Improvement	9	New infiltration basin integrated into dry pond 0563DP, drainage area approx 13 acres		13022 HENSON CT
77	Subwatershed Improvement	9	New infiltration basin integrated into dry pond 0631DP, drainage area approx 12 acres		13019 NEW AUSTIN CT

Subwatershed **HC-FP-0004** **Watershed:** **Horsepen Creek** **Management Area:** **Horsepen - Frying Pan**

Description Primarily MDR & HDR, 6 DP, 1 non-SWM pond, res not treated **Impairments**

Restoration Selection Criteria Non-Priority **Preservation Qualities**

Preservation Selection Criteria Non-Priority **Improvement Goals**

Percent Impervious

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
78	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 6 acres		2469 IRON FORGE RD
79	Subwatershed Improvement	1	New bioretention basin(s)/infiltration LID, approx drainage area 2 acres		13108 WEATHERED OAK CT
80	Subwatershed Improvement	1	Retrofit dry pond 1224DP to naturalized basin		13029 MONROE MANOR DR
81	Subwatershed Improvement	1	Retrofit dry pond 1485DP to naturalized basin		13240 COPPER COVE WY
82	Subwatershed Improvement	1	Retrofit dry pond 0933DP to naturalized basin		13112 ASHNUT LA
83	Subwatershed Improvement	1	Retrofit dry pond 1416DP to naturalized basin		12962 PARK CRESCENT CI

Subwatershed HC-FP-0005 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Frying Pan

Description Primarily MDR, some OS - not planned for dev, 2 WP, 3 DP **Impairments** Poor habitat ds of WPs, deficient riparian buffer, fair water quality

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Improve water quality, habitat and riparian buffers

Percent Impervious 32.78%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
84	Subwatershed Improvement	1	Retrofit lower portion of dry pond 1222DP to naturalized basin		12913 LOCKSLEY CT
85	Subwatershed Improvement	1	New naturalized basin in existing depression, drainage area approx 8 acres (not including drainage area to upstream dry pond)		2482 SYCAMORE LAKES CV
86	Subwatershed Improvement	1	Retrofit dry pond 0610DP to naturalized basin	Possible alternative to project 87	12839 TOURNAMENT DR
87	Subwatershed Improvement	9	Integrate infiltration basins into dry pond 0610DP, drainage area approx 35 acres	Possible alternative to project 86	12839 TOURNAMENT DR
88	Subwatershed Improvement	1	New naturalized basin/wet pond to intercept drainage from Oak Mill subv before it reaches stream, drainage area approx 11 acres		13005 PINEY GLADE RD

Subwatershed HC-FP-0006 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Frying Pan

Description Headwaters, primarily MDR, some OS - not planned for dev, no SWM **Impairments** Fair water quality downstream

Restoration Selection Criteria **Preservation Qualities** Future development in non-riparian areas

Preservation Selection Criteria % Increase IMP (2.24%) **Improvement Goals** Improve water quality, preserve habitat and riparian buffers, provide SWM controls

Percent Impervious 28.90%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
89	Subwatershed Improvement	1	Retrofit existing paved ditch into naturalized dry basin or constructed wetland		12715 FOX WOODS DR
90	Subwatershed Improvement	1	New naturalized basin/wet pond to intercept drainage from Monroe Manor subv before it reaches stream, drainage area approx 19 acres		2520 CAMBERWELL CT
91	Subwatershed Improvement	1	New naturalized basin to intercept drainage from Fox Mill Heights Sect. 1 subv before it reaches stream, drainage area approx 30 acres		12708 FOX WOODS DR

Subwatershed **HC-IC-0007** *Watershed:* **Horsepen Creek** *Management Area:* **Horsepen - Indian**

Description Nearly entirely in Loudoun County

Impairments

Restoration Selection Criteria

Preservation Qualities

Preservation Selection Criteria IMP, SW Ranking

Improvement Goals No improvement opportunities

Percent Impervious 9.85%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed HC-MR-0001 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Merrybrook

Description Bordering Loudoun, primarily LIC & HDR, some OS around stream, 2 WP, 1 DP, 2 nonSWM ponds, some LIC/HDR untreated **Impairments** Deficient riparian buffer, poor water quality & habitat, SPA erosion, obstruction & ditch impacts

Restoration Selection Criteria SPA Data, SW Ranking, Flooding **Preservation Qualities** At risk for future development of wooded OS

Preservation Selection Criteria % Increase IMP (2.75%), STEPL **Improvement Goals** Preserve riparian buffer, improve water quality & habitat, repair/improve SPA impacts

Percent Impervious 37.66%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
39	Subwatershed Improvement	1	Retrofit existing dry pond to naturalized basin		2424 LITTLE CURRENT DR
40	Preservation		Conservation easement to preserve riparian buffer		2436 LITTLE CURRENT DR
41	Subwatershed Improvement	1	Retrofit existing ornamental ponds in Dulles Corner commercial park to a constructed wetland with forebay	feasibility may be low, can also try project 42	2340 DULLES CORNER BV
42	Subwatershed Improvement	9	Variety of LID retrofits around parking lots and buildings - rain gardens, infiltration trenches, cisterns	May compliment or replace project 41	2325 DULLES CORNER BV
43	Stream Restoration	3	Repair eroding banks at SPA erosion point HCMR7-1-E1		13834 COPPERMINE RD
44	Non-Structural		Remove obstruction at SPA obstruction point HCMR7-2-O2		2436 LITTLE CURRENT DR

Subwatershed HC-MR-0002 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Merrybrook

Description Primarily LIC & HDR, very little SWM, 1 sm WP, 3 sm DP, several UG BMPs, lg ESR is slated for HIC **Impairments** Deficient riparian buffer, high impervious & SW outfalls, flooding of buildings (Coppermine Crossing Condos) and Centerville Rd north of Sunrise Valley Rd

Restoration Selection Criteria Flooding **Preservation Qualities** At risk for future development of ESR & OS

Preservation Selection Criteria % Increase IMP (18.24%), STEPL **Improvement Goals** Preserve riparian buffer, capture impervious runoff, improve drainage & outfalls, address high SW flows upstream to reduce flooding

Percent Impervious 35.95%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
45	Preservation		Conservation easement to preserve riparian buffer		13512 DAVINCI LA
46	Preservation		Conservation easement to preserve riparian buffer area and Riparian Buffer restoration		2475 CENTREVILLE RD
47	Subwatershed Improvement	1	New SWM facility - pair of wetlands or larger naturalized dry pond to intercept drainage from commercial park before it enters the stream, drainage area approx 40 acres		2475 CENTREVILLE RD
48	Subwatershed Improvement	1	New constructed wetland to intercept flow from drainage behind Coppermine Crossing Condominiums before it reaches the stream, drainage area approx 6 acres		13512 DAVINCI LA
49	Subwatershed Improvement	1	New constructed wetland to intercept flow from drainage behind Coppermine Crossing Condominiums before it reaches the stream, drainage area approx 8 acres		13644 SALK ST
50	Subwatershed Improvement	9	LID retrofits for urban commercial development (infiltration, bioretention, underground systems) for all commercial properties within Dulles Technology Drive	looks like newer development, may already be in place, but not visible	13600 DULLES TECHNOLOGY DR
51	Preservation		Conservation easement to preserve floodplain and riparian buffer area and Riparian Buffer restoration		2346 CENTREVILLE RD
52	Stream Restoration	2	Stream restoration - provide more buffer to road (this portion will flood in 100 yr storm event), possibly widen floodplain, natural channel design	would require homeowner consent	2346 CENTREVILLE RD

Subwatershed HC-MR-0003 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Merrybrook

Description Primarily LIC & HDR, some OS slated for LIC/HDR/IND, includes portion of Dulles Toll Rd, 3 WP in series, much of upper portion untreated **Impairments** High impervious

Restoration Selection Criteria **Preservation Qualities** At risk for future development of OS including riparian buffer

Preservation Selection Criteria SW Ranking, STEPL **Improvement Goals** Capture impervious runoff (especially important for downstream subbasin), preserve key OS areas

Percent Impervious 45.13%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
53	Subwatershed Improvement	9	Infiltration basin(s) on baseball diamond outfield. Additional LID retrofits throughout office complex (infiltration trenches, bioretention, underground systems)		2291 WOOD OAK DR
54	Preservation		Preserve and enhance buffer around series of wet ponds through conservation easement and buffer restoration projects		13200 WOODLAND PARK RD
55	Subwatershed Improvement	9	Infiltration basin(s) on baseball diamond outfield. Additional LID retrofits throughout office complex (infiltration trenches, bioretention, underground systems)		2121 COOPERATIVE WY
56	Subwatershed Improvement	9	Infiltration basin on large parking lot island, drainage area approx 10 acres. Additional LID retrofits throughout office complex (infiltration trenches, bioretention, underground systems)		13221 WOODLAND PARK RD

Subwatershed **HC-MR-0004** *Watershed:* **Horsepen Creek** *Management Area:* **Horsepen - Merrybrook**

Description Primarily LIC & HDR, no SWM, 1 non-SW wetland/pond *Impairments*

Restoration Selection Criteria Non-Priority *Preservation Qualities*

Preservation Selection Criteria Non-Priority *Improvement Goals* Capture impervious runoff (especially important for downstream subbasin)

Percent Impervious

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
57	Subwatershed Improvement	9	Infiltration basins and other LID on open space areas throughout Courts of Chandon subdv - 15+ locations available including athletic fields, total drainage area approx 75 acres		410 MAGNOLIA CT
58	Subwatershed Improvement	1	New SWM facility, naturalized dry pond or constructed wetland in common area of Courts of Chandon subdv, drainage area approx 15 acres		1249 ELDEN ST

Subwatershed HC-HC-0023 *Watershed:* Horsepen Creek *Management Area:* Horsepen - Middle

Description Bordering Loudoun, primarily undeveloped woodlands between Sully Rd and Horsepen Creek - part of Dulles Int'l Airport property *Impairments* Poor habitat diversity and stream water quality

Restoration Selection Criteria SW Ranking *Preservation Qualities* Undeveloped woodlands on bulk of Fairfax Co. portion of subwatershed

Preservation Selection Criteria IMP *Improvement Goals* Most likely upstream effects, address water quality upstream, preserve undeveloped woodlands

Percent Impervious 5.44%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed HC-HC-0024 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Middle

Description Bordering Loudoun, no buildings, primarily short grass land cover - part of Dulles Int'l Airport property **Impairments** No stream buffer, poor water quality, poor habitat, high stormwater flows

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Restore riparian buffers to the extent possible, improve water quality, drainage improvements, reduce stormwater flows

Percent Impervious 11.35%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
30	Subwatershed Improvement	1	Retrofit existing marsh area to high quality wetland		2550 DULLES VIEW DR
31	Non-Structural		Riparian buffer restoration to the extent possible on the airport property		2551 DULLES VIEW DR
32	Subwatershed Improvement	1	Drainage improvement project to add meander to straightened stream channel		2551 DULLES VIEW DR

Subwatershed HC-HC-0025 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Middle

Description Tank farm & power substation for Dulles Int'l Airport, and undeveloped woodlands to north, no SWM **Impairments** Deficient riparian buffer, poor water quality, high stormwater flows

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Restore riparian buffers, improve water quality, reduce stormwater flows

Percent Impervious 17.33%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
33	Subwatershed Improvement	1	Retrofit sediment basin into SWM facility and intercept drainage from ditch along Dulles Toll Road.		13801 FRYING PAN RD
34	Non-Structural		Riparian buffer restoration		2551 DULLES VIEW DR

Subwatershed HC-HC-0026 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Middle

Description Primarily LIC & HDR, all developed LU is treated by WP, LIC ds of WP is under development in 2007 aerial - burying stream, OS is slated for IND **Impairments** Poor habitat and water quality, high imperviousness, deficient buffers, and very high stormwater flows

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria STEPL **Improvement Goals** Improve stream habitat and water quality including riparian buffers, capture impervious runoff and reduce stormwater flows

Percent Impervious 44.72%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
35	Stream Restoration	2	Daylight stream and return to natural channel		2551 DULLES VIEW DR
36	Non-Structural		Riparian buffer restoration		2551 DULLES VIEW DR
37	Subwatershed Improvement	1	Retrofit existing dry pond to provide quality treatment for Wellesley HOA		13680 SAINT JOHNS WOOD PL
38	Subwatershed Improvement	1	New naturalized basin in existing drainage swale	in a very new development, may or may not have un-identified SWM facilities already	13648 LEGACY CI

Subwatershed HC-HC-0027 **Watershed:** Horsepen Creek **Management Area:** Horsepen - Middle

Description	Primarily ESR & OS, slated for HIC & IND, 1 WP	Impairments	Poor habitat and deficient buffer (SPS sampling station for fish & benthic)
Restoration Selection Criteria	SW Ranking	Preservation Qualities	At risk for future development of ESR & OS including riparian buffer
Preservation Selection Criteria	% Increase IMP (9.51%), STEPL	Improvement Goals	Preserve & enhance riparian buffer & habitat
Percent Impervious	10.50%		

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
59	Preservation		Conservation easement to preserve riparian buffer area and Riparian Buffer restoration		13801 FRYING PAN RD

Subwatershed **HC-HC-0013** *Watershed:* **Horsepen Creek** *Management Area:* **Horsepen -Lower Middle**

Description Very small land area entirely within Dulles Int'l Airport *Impairments*

Restoration Selection Criteria SW Ranking *Preservation Qualities*

Preservation Selection Criteria *Improvement Goals* No improvement opportunities

Percent Impervious 33.97%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed **HC-HC-0015** **Watershed:** **Horsepen Creek** **Management Area:** **Horsepen -Lower Middle**

Description Very small land area (approx 8 acres) within Fairfax County, wooded with 1 LIC facility

Impairments

Restoration Selection Criteria SW Ranking

Preservation Qualities

Preservation Selection Criteria

Improvement Goals No improvement opportunities

Percent Impervious 18.03%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed HC-HC-0017 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Lower Middle

Description Bordering Loudoun, primarily MDR, 1 WP, 1 DP **Impairments** low water quality, higher impervious

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Provide water quality treatment, capture impervious runoff

Percent Impervious 33.55%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
1	Subwatershed Improvement	9	Retrofit dry pond to naturalized infiltration basin	if soils support infiltration, if not use project 2, Town of Herndon	914 SPRING KNOLL DR
2	Subwatershed Improvement	1	Retrofit dry pond to naturalized dry basin	if project 1 unsuitable, Town of Herndon	1540 SUMMERSET PL
3	Subwatershed Improvement	1	New stormwater facility - naturalized dry pond, drainage area approx. 30 ac.	Town of Herndon	1491 OAK TRAIL CT

Subwatershed HC-HC-0018 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Lower Middle

Description Bordering Loudoun, primarily HDR & MDR, 1 DP **Impairments** Culvert bottoms rusted out, channel eroding beneath and around culvert

Restoration Selection Criteria Field Recon/ ProRata **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Replace culvert, capture impervious runoff if possible

Percent Impervious 23.93%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
4	Subwatershed Improvement	7	Culvert retrofit upstream of Rock Hill Rd crossing (Pro Rata Project No. OAK-1)	if project 4 unsuitable, try project 5	2169 ASTORIA CI
5	Road Crossing Improvement	4	Raise road and replace culvert at Rock Hill Rd crossing (Pro Rata Project No. OAK-1)	if project 5 unsuitable, try project 4	2169 ASTORIA CI
6	Non-Structural		Rain Barrel Program Reflection Lake HOA & Four Season HOA (Herndon)		2021 MALEADY DR

Subwatershed HC-HC-0019 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Lower Middle

Description Bordering Loudoun, primarily HDR & MDR, some open space along stream, Dulles Toll Rd, 1 non-SW pond/marsh, no SWM **Impairments** Flooding (2yr)/ineffective control at road crossing, at risk for future development, poor water quality, high flows per acre

Restoration Selection Criteria Field Recon/ ProRata, SW Ranking, Flooding **Preservation Qualities**

Preservation Selection Criteria STEPL **Improvement Goals** Fix road crossing at Rock Hill Rd, improve water quality, capture impervious runoff. Address flows upstream.

Percent Impervious 29.95%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
7	Subwatershed Improvement	7	Culvert retrofit upstream of Rock Hill Rd crossing (Pro Rata Project No. OAK-2)		2152 ROCK HILL RD
8	Preservation		Preserve existing wetland/marsh/non-stormwater pond area from future development		2280 ASTORIA CI
9	Non-Structural		Rain Barrel Program Reflection Lake HOA		13417 POCONO CT

Subwatershed HC-HC-0020 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Lower Middle

Description Good riparian corridor, Primarily HDR, **Impairments** Flooding (Public inv & based on FEMA), Stream erosion & ditch impacts from uncontrolled runoff, high SW outfalls, high impervious, poor water quality
 some LIC/HIC, and an Elem School, DP & BMP at school, 1 DP for LIC/HIC, 2 UG for HIC, in-line pond, bulk of HDR has no SWM

Restoration Selection Criteria SPA Data, SW Ranking, Flooding, Public Involvement **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff, stabilize/repair stream impacts, improve water quality

Percent Impervious 42.22%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
10	Subwatershed Improvement	9	Two infiltration basins on athletic fields in Four Seasons HOA park area, drainage area approx. 10 acres each. Additional LID around parking lot/rec. center - rain gardens, infiltration trenches, cisterns		1201 HERNDON PW
11	Subwatershed Improvement	9	New infiltration basin in HOA open corner, total drainage area approx 18 ac. Additional LID around parking lots, between buildings, along roadway - rain gardens, infiltration trenches	if infiltration not possible try project 12	2201 CHAMBLEE PL
12	Subwatershed Improvement	1	New dry pond in HOA open corner, total drainage area approx 18 ac.	if project 11 is unsuitable	2201 CHAMBLEE PL
13	Subwatershed Improvement	7	Culvert retrofit upstream of Parcher Ave to replace WP0219 (no outlet structure)		2102 MONAGHAN DR
14	Subwatershed Improvement	1	New SWM pond, intercept storm drains from Reflection Lake/Reflection Lake Sect. 10 , drainage area approx 18 ac.		13351 PARCHER AV
15	Subwatershed Improvement	8	Improve drainage channels & outfalls from Reflection Lake Sect. 7 to stream		13352 FONES PL
16	Subwatershed Improvement	8	Improve drainage channels & outfalls from Reflection Lake Sect. 7 to stream		13353 FELDMAN PL
17	Subwatershed Improvement	8	Improve drainage channels & outfalls from Reflection Lake Sect. 7 to stream		13359 HUNGERFORD PL
18	Subwatershed Improvement	8	Improve drainage channels & outfalls from Reflection Lake Sect. 7 to stream		13357 SHEA PL
19	Subwatershed Improvement	8	Improve drainage channels & outfalls from Reflection Lake Sect. 7 to stream	If project 21 not possible	13349 APGAR PL

20	Subwatershed Improvement	8	Improve drainage channels & outfalls from Reflection Lake Sect. 7 to stream		13317 AIKEN PL
21	Subwatershed Improvement	1	New SWM pond, intercept storm drains from eastern half of Reflection Lake Sect. 7, drainage area approx 10 acres	If new SWM pond possible, project 19 not necessary	13349 APGAR PL
22	Subwatershed Improvement	8	Improve drainage channels & outfalls from Reflection Lake to stream		2123 MALEADY DR
23	Subwatershed Improvement	8	Improve drainage channels & outfalls from Reflection Lake to stream		2117 MALEADY DR
24	Subwatershed Improvement	8	Improve drainage channels & outfalls from Reflection Lake to stream		13351 PARCHER AV
25	Stream Restoration	3	Repair eroding banks at SPA erosion points HCUT6-6-E4 & E5		13351 PARCHER AV
26	Non-Structural		Riparian buffer restoration upstream of Parcher Ave.		2138 MONAGHAN DR

Subwatershed HC-HC-0021 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Lower Middle

Description Headwaters, Primarily MDR & HDR, no SWM **Impairments** Poor habitat, high impervious, poor water quality

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff, improve water quality

Percent Impervious 44.12%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
27	Subwatershed Improvement	9	New infiltration basins/trenches on lawn in Four Seasons HOA, intercept drainage from development on N side of Herndon Pwy, drainage area approx. 35 acres total.	Infiltration is ideal, if not possible, try project 28	1338 SPRINGTIDE PL
28	Subwatershed Improvement	1	New dry pond on lawn in Four Seasons HOA, intercept drainage from development on N side of Herndon Pwy, drainage area approx. 35 acres total.	If project 27 not possible	1334 SPRINGTIDE PL
29	Subwatershed Improvement	9	New infiltration basin in park area of Four Seasons Regime HOA, drainage area approx 5 acres		624 CLEARWATER CT

Subwatershed HC-HC-0028 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Middle

Description Primarily LDR, HDR, IND, HIC with some OS riparian buffers, 1 WP, 7 DP, 1 group of BMPs **Impairments** Poor habitat, numerous SPA impacts (erosion and tree obstructions), minor flooding

Restoration Selection Criteria Field Recon/ ProRata, SPA Data, SW Ranking, Flooding **Preservation Qualities** At risk for future development of OS to IND

Preservation Selection Criteria IMP, % Increase IMP (19.80%), STEPL **Improvement Goals** Restore stream impacts, preserve riparian buffers, improve water quality, reduce stormwater flows upstream

Percent Impervious 28.61%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
100	Non-Structural		Investigate and remove obstructions (possibly 4 moderate-severe obstructions)		13617 MOUNTAIN VIEW CT
101	Subwatershed Improvement	8	Improve outfall to dissipate more energy		13617 MOUNTAIN VIEW CT
102	Non-Structural		Investigate and remove obstructions (possibly 2 moderate-severe obstructions)		13616 MOUNTAIN VIEW CT
103	Stream Restoration	3	Repair eroding streambanks (erosion leading to fallen tree obstructions, creating more erosion)		13611 FLORIS ST
104	Stream Restoration	3	Repair eroding streambanks (erosion leading to fallen tree obstructions, creating more erosion)		13652 CEDAR RUN LA
105	Stream Restoration	3	Repair eroding streambanks (erosion leading to fallen tree obstructions, creating more erosion)		2748 COPPER CREEK RD
106	Subwatershed Improvement	9	New infiltration basin in empty field, drainage area approx 9 acres		13508 FLORIS ST
107	Preservation		Conservation easement to preserve riparian buffer		13611 FLORIS ST
92	Subwatershed Improvement	1	Retrofit dry pond 0495DP to naturalized basin		2816 MUSTANG DR
93	Subwatershed Improvement	1	Retrofit dry pond 0671DP to naturalized basin		2760 COPPER CREEK RD
94	Subwatershed Improvement	9	Retrofit dry pond 0426DP to infiltration basin, drainage area approx 9 acres	Possible alternative to project 95	2742 COPPER CREEK RD
95	Subwatershed Improvement	1	Retrofit dry pond 0426DP to naturalized basin	If project 94 (infiltration) not possible	2740 COPPER CREEK RD

96	Non-Structural		Riparian buffer restoration	2744 COPPER CREEK RD
97	Non-Structural		Investigate and remove obstructions (possibly three moderate-severe obstructions)	2818 MUSTANG DR
98	Non-Structural		Investigate and remove obstructions (possibly 2 moderate-severe obstructions)	13611 FLORIS ST
99	Subwatershed Improvement	8	Improve outfall to dissipate more energy	13611 FLORIS ST

Subwatershed HC-HC-0029 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Middle

Description Headwaters, primarily LIC & INT, large area of OS slated for IND, 1 WP treats most LIC/INT, Carson Middle Sch treated by DP (not in StormNet) **Impairments** Fair habitat, few obstruction/erosion impacts, high stormwater flows, 1 VPDES discharger (Boeing)

Restoration Selection Criteria Regional Pond **Preservation Qualities** At risk for future development of OS including riparian buffer

Preservation Selection Criteria % Increase IMP (95.15%), STEPL **Improvement Goals** Preserve stream buffer, reduce stormwater flows, improve water quality, restore stream impacts

Percent Impervious 29.37%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
108	Preservation		Conservation easement to preserve riparian buffer		13641 CEDAR RUN LA
109a	Regional Pond Alternatives	0	Retrofit existing dry pond to naturalized basin (dry pond not in StormNet)		13635 CEDAR RUN LA
109b	Regional Pond Alternatives	0	LID retrofits including bioretention, infiltration, green roofs around Boeing facility to infiltrate SW runoff		13651 MCLEAREN RD
110	Stream Restoration	3	Repair eroding streambanks, including investigation and removal of upstream obstruction		13618 MCLEAREN RD

Subwatershed HC-HC-0030 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Upper

Description	Headwaters, primarily MDR, some INT, ESR, LDR, 7 DP, 1 lg nonSWM pond	Impairments	Minor flooding at Centreville Rd, erosion below nonSWM pond, high channelized streams, poor riparian buffers and water quality
Restoration Selection Criteria	SW Ranking, Flooding	Preservation Qualities	At risk for future development of ESR & LDR to MDR
Preservation Selection Criteria	STEPL	Improvement Goals	Reduce stormwater flows, identify and address source of erosion below nonSWM pond, improve stream and water quality
Percent Impervious	26.22%		

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
111	Subwatershed Improvement	1	Retrofit dry pond 0196DP to naturalized basin	Possible alternative to project 112	13348 POINT RIDER LA
112	Subwatershed Improvement	9	Integrate infiltration basins into dry pond 0196DP, drainage area approx 25 acres	Possible alternative to project 111	13346 POINT RIDER LA
113	Preservation		Conservation easement to preserve riparian buffer and SWM facility		2733 CENTREVILLE RD
114	Subwatershed Improvement	1	Retrofit dry pond 0803DP to naturalized basin	will compliment project 115	2707 MERRICOURT LA
115	Subwatershed Improvement	9	Integrate infiltration basin into existing dry pond (no StormNet ID), total drainage area approx 18 acres	will compliment project 114	2714 FLORIS LA
116	Subwatershed Improvement	9	Integrate infiltration basin into dry pond DP0382, total drainage area approx 3 acres, or replace with a combination of LID retrofits (bioretention in existing landscaping, infiltration trenches)		2727 CENTREVILLE RD
117	Subwatershed Improvement	9	Combination of LID retrofits including retrofitting dry pond DP0493 into bioretention or infiltration, land available for infiltration or other LID retrofits, total drainage area approx 2 acres.		2745 CENTREVILLE RD
118	Subwatershed Improvement	9	Integrate infiltration basin into dry pond DP0015, total drainage area approx 3 acres, or replace with a combination of LID retrofits (bioretention in existing landscaping, infiltration trenches)		2800 CENTREVILLE RD
119	Subwatershed Improvement	1	Retrofit dry pond VDOT29068 to naturalized basin		13574 CEDAR RUN LA

120	Subwatershed Improvement	1	Retrofit nonSWM pond FM0014 to wet pond		13492 LAKE SHORE DR
121	Subwatershed Improvement	8	Improve outfall to dissipate more energy	will compliment, but should not replace project 120	13496 LAKE SHORE DR

Subwatershed HC-HC-0031 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Upper

Description Primarily MDR & LIC, OS along streams, 4 DP, 2 groups of BMPs, some res dev untreated **Impairments** Numerous erosion and obstruction impacts, poor water quality

Restoration Selection Criteria SPA Data, SW Ranking **Preservation Qualities** Future development in non-riparian areas

Preservation Selection Criteria STEPL **Improvement Goals** Reduce stormwater flows, remove obstructions and repair eroding streambanks, improve water quality

Percent Impervious 28.73%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
122	Non-Structural		Investigate and remove obstructions at SPA reach 9-1 (may be up to 5 moderate-severe obstructions)		13592 COBRA DR
123	Stream Restoration	3	Stream restoration - repair erosion/headcuts on SPA reach 9-1 (5 moderate stream erosion areas)		13365 HORSEPEN WOODS LA
124	Subwatershed Improvement	1	New SWM facility, naturalized dry pond/constructed wetland, drainage area approx 8 acres	Possible alternative to project 125	2870 SPRING CHAPEL CT
125	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 8 acres	Possible alternative to project 124	2870 SPRING CHAPEL CT
126	Subwatershed Improvement	9	Bioretention or other LID retrofits in OS behind homes on both sides of Spring Chapel Ct to capture runoff before it discharges to stream		2863 SPRING CHAPEL CT
127	Stream Restoration	2	Daylight stream and return to natural channel		13446 LAKE SHORE DR
128	Non-Structural		Investigate and remove obstruction/repair outlet structure for dry pond DP0151 - outlet is clogged or damaged and not draining		2921H CENTREVILLE RD
129	Subwatershed Improvement	1	Retrofit existing dry pond to naturalized basin (dry pond not in StormNet)		3001 CENTREVILLE RD
159	Subwatershed Improvement	1	Retrofit dry pond 1349DP to naturalized basin		2882 HORSEPEN WOODS CT

Subwatershed HC-HC-0032 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Upper

Description Primarily MDR, HDR, HIC, 2DP, MDR is mostly untreated **Impairments** Stream erosion upstream of McLearn Rd, impacts from SW outfalls, poor water quality

Restoration Selection Criteria Field Recon/ ProRata, SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Reduce stormwater flows, improve stormwater drainage and water quality, repair eroded streambanks

Percent Impervious 37.76%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
130	Subwatershed Improvement	1	New constructed wetland/naturalized basin to intercept drainage before it reaches stream, drainage area approx 8 acres		13421 ELLIOTT AN CT
131	Subwatershed Improvement	9	Bioretention or other LID retrofits in OS behind homes to capture runoff before it discharges to stream, drainage area approx 2.5 acres		13415 GLEN TAYLOR LA
132	Subwatershed Improvement	1	New constructed wetland/naturalized basin to intercept drainage before it reaches stream, drainage area approx 10 acres		3138 KINROSS CI
133	Subwatershed Improvement	1	New constructed wetland/naturalized basin to intercept drainage before it reaches stream, drainage area approx 7 acres	Possible alternative to project 134	3142 KINROSS CI
134	Subwatershed Improvement	9	New infiltration basin to intercept drainage before it reaches stream, drainage area approx 7 acres	Possible alternative to project 133	13411 GLEN TAYLOR LA
135	Subwatershed Improvement	1	Retrofit dry pond 1055DP to naturalized basin		3029 MCMASTER CT
136	Subwatershed Improvement	1	Replace concrete channel with naturalized dry basin, drainage area approx 7 acres	Possible alternative to project 137	3003 TAYLOR MAKENZYE CT
137	Subwatershed Improvement	9	Replace concrete channel with infiltration basin, drainage area approx 7 acres	Possible alternative to project 136	3011 TAYLOR MAKENZYE CT
138	Stream Restoration	3	Repair stream erosion upstream of McLearn Rd		13591 COBRA DR

Subwatershed HC-HC-0033 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Upper

Description Primarily MDR, some HDR, INT, HIC, 5 DP **Impairments** Several crossing, obstruction, and erosion impacts, deficient riparian buffers

Restoration Selection Criteria Field Recon/ SPA Data **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Reduce stormwater flows, remove obstructions and repair eroding streambanks, improve riparian buffers

Percent Impervious 32.24%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
139	Subwatershed Improvement	9	Integrate infiltration basins into regional dry pond H-19 (0747DP)		3151 KIRKWELL PL
140	Subwatershed Improvement	1	New constructed wetland/naturalized basin to intercept drainage before it reaches stream, drainage area approx 13 acres		3161 KIRKWELL PL
141	Non-Structural		Targeted rain barrel program for portion of Chantilly Highlands		13636 DORNOCK CT
142	Subwatershed Improvement	9	Infiltration basin to receive flow from two drainage channels, drainage area approx 7 acres	May compliment or replace project 143	13449 MUIRKIRK LA
143	Subwatershed Improvement	1	New naturalized basin to receive flow from two drainage channels and extend floodplain, drainage area approx 8 acres	May compliment or replace project 142	13459 MUIRKIRK LA
144	Subwatershed Improvement	9	Infiltration basin to intercept flow before it reaches stream, drainage area approx 3 acres	Possible alternative to project 145	13365 SCOTSMORE WY
145	Subwatershed Improvement	1	New constructed wetland/naturalized basin to intercept flow before it reaches stream, drainage area approx 3 acres	Possible alternative to project 144	13365 SCOTSMORE WY
146	Subwatershed Improvement	9	New Infiltration basin to intercept flow from two drain pipes before it reaches stream, drainage area approx 9 acres	Possible alternative to project 147	13226 CAROLINE CT
147	Subwatershed Improvement	1	New naturalized basin/constructed wetland to intercept flow from two drain pipes before it reaches stream, drainage area approx 9 acres	Possible alternative to project 146	13226 CAROLINE CT
148	Non-Structural		Targeted rain barrel program for portion of Chantilly Highlands		13344 SCOTSMORE WY
149	Non-Structural		Riparian buffer restoration (deficient buffer approx 2,500 ft in length)		3231 KINROSS CI

150	Subwatershed Improvement	9	Variety of LID retrofits around parking lots and athletic fields - rain gardens/bioretenion, infiltration trenches/basins, cisterns	3210 KINROSS CI
151	Subwatershed Improvement	1	Retrofit dry pond 0606DP to naturalized basin	3254 TAYLOE CT

Subwatershed HC-HC-0034 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Upper

Description Primarily MDR, some OS along riparian zone, 1 WP, 2 DP, most MDR is treated **Impairments** Moderate to severe erosion, poor water quality,

Restoration Selection Criteria Field Recon/ SPA Data, SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Reduce stormwater flows, improve water quality, repair eroded streams

Percent Impervious 37.33%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
152	Stream Restoration	3	Repair stream erosion	Will compliment, but should not replace project 153	13132 BRADLEY FARM DR
153	Subwatershed Improvement	8	Improve outfall to dissipate more energy - SPA ID HCHC011.P003	May compliment or replace project 152	13130 BRADLEY FARM DR
154	Subwatershed Improvement	1	New naturalized dry basin or wetland, drainage area approx 7 acres (not including area upstream of 0562DP)		2780 MIDDLETON FARM CT
155	Preservation		Riparian buffer restoration		13231 MIDDLETON FARM LA
156	Non-Structural		Targeted rain barrel program for portion of Middleton Farm sbdv		13301 HORSEPEN WOODS LA
157	Subwatershed Improvement	1	Retrofit dry pond 0568DP to naturalized basin		2659 COCKERILL FARM LA
158	Subwatershed Improvement	1	Integrate infiltration basin into existing dry pond 0562DP, total drainage area approx 10 acres		13074 MONTEREY ESTATES DR

Subwatershed HC-HC-0035 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Upper

Description Primarily MDR, OS along riparian zone, 3 DP, **Impairments** Flood complaints, poor water quality

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Reduce stormwater flows, improve water quality, repair eroded streams

Percent Impervious 26.12%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
160	Subwatershed Improvement	9	Replace paved ditch with vegetated swale or infiltration trench and add bioretention at outlet, drainage area approx 3 acres		13158 LAZY GLEN LA
161	Subwatershed Improvement	9	Integrate infiltration basin into existing dry pond 0440DP and improve low flow channel with vegetated swale		2975 EMERALD CHASE DR
162	Subwatershed Improvement	1	Retrofit dry pond 1349DP to naturalized basin		13100 BRADLEY FARM DR

Subwatershed HC-HC-0036 *Watershed:* Horsepen Creek *Management Area:* Horsepen -Upper

Description Primarily MDR, 2 DP (including regional - West Ox Pond), 1 UG BMP *Impairments*

Restoration Selection Criteria Non-Priority *Preservation Qualities*

Preservation Selection Criteria Non-Priority *Improvement Goals* Reduce stormwater flows, improve water quality

Percent Impervious

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
163	Subwatershed Improvement	9	Integrate infiltration basin into existing dry pond 0440DP and improve low flow channel with vegetated swale		2665 NEW ASPEN CT
164	Subwatershed Improvement	9	Integrate infiltration basin into existing dry pond (no StormNet ID) and improve low flow channel with vegetated swale		2875 FRANKLIN OAKS DR
165	Subwatershed Improvement	1	Retrofit dry pond (no StormNet ID) to naturalized basin		2802 GIBSON OAKS DR

Subwatershed HC-HC-0037 *Watershed:* Horsepen Creek *Management Area:* Horsepen -Upper

Description Primarily MDR, 2 DP

Impairments

Restoration Selection Criteria Non-Priority

Preservation Qualities

Preservation Selection Criteria Non-Priority

Improvement Goals Reduce stormwater flows, improve water quality

Percent Impervious

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
166	Stream Restoration	3	Repair streambank erosion		12724 BRADWELL RD
167	Subwatershed Improvement	9	Replace ditch with infiltration basin to intercept flow from pipe before it reaches stream, may include low flow vegetated swale total drainage area approx 18 acres	Possible alternative to project 168	12617 PINECREST RD
168	Subwatershed Improvement	1	New naturalized basin in place of existing swale	Possible alternative to project 167	12617 PINECREST RD
169	Subwatershed Improvement	7	Culvert retrofit		2587 VIKING DR
170	Subwatershed Improvement	9	Integrate infiltration basins into existing dry pond 0243DP, drainage area approx 120 acres	May compliment or replace project 171	2560 HUNTINGTON DR
171	Subwatershed Improvement	1	Retrofit dry pond 0243DP to naturalized basin, drainage area approx 120 acres	May compliment or replace project 170	2554 HUNTINGTON DR

Subwatershed HC-HC-0039 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Upper

Description Primarily MDR, 2 DP **Impairments** Fair habitat, numerous erosion impacts, flooding complaints, poor water quality

Restoration Selection Criteria Public Involvement, SPA Data, SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Reduce stormwater flows, improve water quality and habitat, repair eroded streams

Percent Impervious 21.82%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
172	Subwatershed Improvement	9	Vegetated swale with an infiltration trench, drainage area approx 5 acres	May compliment project 173	12810 KETTERING DR
173	Subwatershed Improvement	1	New naturalized basin to intercept drainage from pipe discharge and proposed vegetated swale (project 173), drainage area approx 24 acres including proposed vegetated swale (project 173)	May compliment project 172	12830 KETTERING DR
174	Subwatershed Improvement	1	New wetland or naturalized dry pond to intercepted piped drainage before it reaches stream, drainage area approx 20 acres		2632 VIKING DR
175	Subwatershed Improvement	1	Retrofit existing dry pond(s) to naturalized basins - outlet structure may be damaged/malfunctioning		2907 TIMBER WOOD WY
176	Stream Restoration	2	Repair erosion impacts on SPA reach 10-4, may be as many as 5 moderate to severe erosion areas		12827 KETTERING DR
177	Stream Restoration	2	Repair erosion impacts on SPA reach 10-3, may be as many as 5 moderate to severe erosion areas		12854 TEWKSBURY DR

Subwatershed HC-HC-0040 **Watershed:** Horsepen Creek **Management Area:** Horsepen -Upper

Description Primarily MDR, 2DP, 2 groups of BMPs, 1 nonSWM pond **Impairments** Poor habitat, numerous erosion impacts, flooding complaints, high channelized drainage

Restoration Selection Criteria Public Involvement, SPA Data, SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Reduce stormwater flows, improve habitat and water quality, repair eroded streams

Percent Impervious 28.92%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
178	Stream Restoration	2	Repair erosion impacts on SPA reach 10-5, may be as many as 7 moderate to severe erosion areas	Must control stormwater prior to stream restoration (projects 179, 180, 181, 182)	2779 PRINCE HAROLD CT
179	Subwatershed Improvement	1	New naturalized basin to provide treatment to Fox Mill Estates stormwater before it reaches stream, drainage area approx 35 acres	Should be completed prior to project 178 (stream restoration)	12562 QUINCY ADAMS CT
180	Subwatershed Improvement	9	Replace paved ditch with vegetated swale or infiltration trench	Should be completed prior to project 178 (stream restoration)	12524 CHASBARB TE
181	Subwatershed Improvement	1	Expand existing dry pond into field, possibly reduce size of low flow orifice to hold back smaller storm events	Should be completed prior to project 178 (stream restoration)	2627 QUINCY ADAMS DR
182	Subwatershed Improvement	1	New naturalized basin/wetland to control stormwater before it reaches major erosion points, drainage area approx 97 acres	Should be completed prior to project 178 (stream restoration)	2785 PRINCE HAROLD CT

Subwatershed SU-FL-0001 **Watershed:** Sugarland **Management Area:** Sugarland - Folly Lick

Description Primarily MDR, OS along stream corridor, 4 DP, much of MDR has SWM control **Impairments** SPA Obstruction impacts, poor water quality, high channelized streams

Restoration Selection Criteria SPA Data, SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Remove obstructions, improve water quality, naturalize streams if possible

Percent Impervious 26.86%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
M44	Non-Structural		Investigate and remove obstruction at SPA obstruction point SUFL3-2-O7		12300 VALLEY HIGH RD
M45	Non-Structural		Investigate and remove obstruction at SPA obstruction point SUFL3-2-O10		1425 VALLEY MILL CT
M46	Subwatershed Improvement	1	Retrofit dry pond 0573DP to naturalized basin	Will compliment projec M47	12346 CLIVEDEN ST
M47	Subwatershed Improvement	9	Replace paved low flow channel with vegetated swale/infiltration trench	Will compliment project M46	12348 CLIVEDEN ST
M48	Subwatershed Improvement	1	Retrofit dry pond 0785DP to naturalized basin	Will compliment projec M49	12302 CLIVEDEN ST
M49	Subwatershed Improvement	9	Replace paved low flow channel with vegetated swale/infiltration trench	Will compliment project M48	12302 CLIVEDEN ST
M50	Subwatershed Improvement	1	Retrofit dry pond 0227DP to naturalized basin	Will compliment projec M51	12308 VALLEY HIGH RD
M51	Subwatershed Improvement	9	Replace paved low flow channel with vegetated swale/infiltration trench	Will compliment project M50	12308 VALLEY HIGH RD
M52	Subwatershed Improvement	9	Replace paved low flow channel with vegetated swale/infiltration trench		1302 CASSIA ST
M53	Stream Restoration	3	Replace paved ditch with naturalized channel	Will compliment project M52	1306 CASSIA ST
M54	Stream Restoration	3	Replace paved ditch with naturalized channel	Will compliment projects M48 & M49	12302 CLIVEDEN ST
M55	Subwatershed Improvement	1	New constructed wetland/naturalized dry pond to intercept drainage before it reaches stream, drainage area approx 6 acres, *project located along trail, also has a public education component		1423 VALLEY MILL CT

M56

Subwatershed Improvement

9

Suite of LID BMPs, vegetated swales, bioretention/infiltration, drainage area approx 3.5 acres, *project located along trail, also has public education component

1431 VALLEY MILL CT

Subwatershed SU-FL-0002 **Watershed:** Sugarland **Management Area:** Sugarland - Folly Lick

Description Primarily MDR, OS along stream corridor, 5 DP, much of MDR has SWM control **Impairments** Poor water quality, high channelized streams

Restoration Selection Criteria SPA Data, Public Involvement **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Improve water quality, naturalize streams if possible

Percent Impervious 31.41%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M57	Subwatershed Improvement	9	Replace paved low flow channel and incoming pipes with naturalized vegetated swales/infiltration trenches (existing dry pond 0934DP)		12537 ROCK RIDGE RD
M58	Subwatershed Improvement	9	Enlarge existing dry pond 0637DP and retrofit with infiltration basin, replaced paved low flow channel with vegetated swale/infiltration trench		12537 MISTY WATER DR
M59	Subwatershed Improvement	9	Integrate infiltration basin into existing dry pond VDOT29049	May compliment or replace project M60	1401 DRANESVILLE RD
M60	Subwatershed Improvement	1	Retrofit existing dry pond VDOT29049 into naturalized basin	May compliment or replace project M59	1401 DRANESVILLE RD
M61	Subwatershed Improvement	9	Integrate infiltration basin into existing dry pond VDOT29048	May compliment or replace project M62	12333 EXBURY ST
M62	Subwatershed Improvement	1	Retrofit existing dry pond VDOT29048 into naturalized basin	May compliment or replace project M61	1502 THURBER ST
M63	Stream Restoration	3	Replace paved ditch with naturalized channel	Will compliment projects M61 & M62	12333 EXBURY ST
M64	Subwatershed Improvement	9	New infiltration basins, total drainage area approx 35 acres		12571 ROCK RIDGE RD
M65	Subwatershed Improvement	9	Replace paved low flow channel with vegetated swale/infiltration trench and integrate infiltration basin into existing dry pond 0827DP	May compliment or replace project M66	12579 ROCK RIDGE RD
M66	Subwatershed Improvement	1	Retrofit existing dry pond 0827DP into naturalized basin	May compliment or replace project M65	12573 ROCK RIDGE RD
M67	Subwatershed Improvement	1	New naturalized dry basin or wetland to intercept drainage before it reaches stream, *along trail, also public education component		1501 HIDDENBROOK DR

M68	Subwatershed Improvement	1	New naturalized dry basin or wetland to intercept drainage before it reaches stream, drainage area approx 10 acres, *along trail, also public education component	12600 WESTLODGE CT
M69	Subwatershed Improvement	9	Replace paved low flow channel with vegetated swale/infiltration trench and integrate infiltration basin into existing dry pond 0260DP	12603 MILLBANK WY
M70	Subwatershed Improvement	9	Replace paved low flow channel with vegetated swale/infiltration trench and integrate infiltration basin into existing dry pond 0283DP	1551 COOMBER CT
M71	Subwatershed Improvement	9	Replace paved low flow channel with vegetated swale/infiltration trench and integrate infiltration basin into existing dry pond 1343DP	1540 COOMBER CT
M72	Subwatershed Improvement	9	Replace paved low flow channel with vegetated swale/infiltration trench and integrate infiltration basin into existing dry pond 1441DP	12520 PHILMONT DR

Subwatershed SU-FL-0003 **Watershed:** Sugarland **Management Area:** Sugarland - Folly Lick

Description Headwaters, primarily INT, mix of MDR, LDR, ESR - LDR & ESR slated for re-dev at higher densities, 1 (regional) dry pond **Impairments**

Restoration Selection Criteria SPA Data, Public Involvement **Preservation Qualities**

Preservation Selection Criteria SW Ranking, STEPL **Improvement Goals**

Percent Impervious 30.36%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M73	Subwatershed Improvement	1	New naturalized dry basin, drainage area approx 18 acres		1545 DRANESVILLE RD
M74	Preservation		Conservation easement to protect riparian zone and riparian buffer restoration		1546 DRANESVILLE RD
M75	Subwatershed Improvement	1	Retrofit existing regional dry pond 1440DP (Regional ID S-04) to naturalized basin		1503 JUDD CT

Subwatershed SU-FL-0004 **Watershed:** Sugarland **Management Area:** Sugarland - Folly Lick

Description Primarily MDR, some INT, 1 DP, 1 BMP, 1 nonSWM pond, most of subwatershed has no SWM control **Impairments** Poor water quality, deficient riparian buffer, high channelized streams

Restoration Selection Criteria SPA Data, Public Involvement, Flooding **Preservation Qualities**

Preservation Selection Criteria % Increase IMP (3.42%) **Improvement Goals** Improve water quality and riparian buffer, naturalize streams if possible

Percent Impervious 25.86%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M76	Subwatershed Improvement	8	Improve outfall at SPA point SUFL3-1-P5		12630 FANTASIA DR
M77	Stream Restoration	3	Repair erosion at SPA points SUFL3-1-E10 and SUFL3-1-E12		1291 MONROE ST
M78	Stream Restoration	3	Repair erosion at SPA points SUFL3-1-E9, SUFL3-1-E8 including removing obstruction at SPA point SUFL3-1-O5		1315 MONROE ST
M79	Subwatershed Improvement	1	New naturalized dry basin, drainage area approx 11 acres		12628 FANTASIA DR
M80	Subwatershed Improvement	9	Integrate infiltration basin and vegetated swale into existing dry pond	Possible alternative to project M81	1300 MONROE ST
M81	Subwatershed Improvement	1	Retrofit existing dry pond to naturalized basin	Possible alternative to project M80	1300 MONROE ST
M82	Subwatershed Improvement	9	Integrate infiltration basin and vegetated swale into existing dry pond (not in StormNet)	Possible alternative to project M83	1310 MONROE ST
M83	Subwatershed Improvement	1	Retrofit existing dry pond to naturalized basin (dry pond not in StormNet)	Possible alternative to project M82	1310 MONROE ST
M84	Subwatershed Improvement	1	New naturalized dry basin, drainage area approx 11 acres		12614 BUILDERS RD

Subwatershed SU-FL-0005 **Watershed:** Sugarland **Management Area:** Sugarland - Folly Lick

Description Bordering Loudoun, primarily MDR, 1 WP - treats most of subwatershed **Impairments** Deficient riparian buffer, high channelized streams

Restoration Selection Criteria Non-Priority **Preservation Qualities**

Preservation Selection Criteria Non-Priority **Improvement Goals** Improve riparian buffer, naturalize streams if possible

Percent Impervious

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M85	Subwatershed Improvement	9	New infiltration basin, drainage area approx 11 acres within Fairfax County	Possible alternative to project M86	1608 NATHAN LA
M86	Subwatershed Improvement	1	New naturalized dry basin, drainage area approx 11 acres within Fairfax County	Possible alternative to project M85	1608 NATHAN LA
M87	Stream Restoration	2	Restore grass channels to natural stream channels and improve riparian buffers		12707 NUREYEV LA

Subwatershed SU-FL-0006 **Watershed:** Sugarland **Management Area:** Sugarland - Folly Lick

Description Primarily Golf Course & HDR, 1 nonSWM pond, no SWM control **Impairments** High stormwater flows, poor habitat diversity & water quality

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff, improve habitat and water quality

Percent Impervious 24.71%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M88	Stream Restoration	2	Restore grass channels to natural stream channels and improve riparian buffers to the extent possible on Golf Course		1270 OLD HEIGHTS RD
M89	Stream Restoration	2	Restore grass channels to natural stream channels and improve riparian buffers to the extent possible on Golf Course		1721 SADLERS WELLS DR
M90	Subwatershed Improvement	9	New infiltration basin to intercept drainage before it reaches stream, drainage area approx 6 acres	Possible alternative to project M91	1100 WATERFORD PL
M91	Subwatershed Improvement	1	New naturalized basin/constructed wetland to intercept drainage before it reaches stream, drainage area approx 6 acres	Possible alternative to project M90	1149 LISA CT
M92	Subwatershed Improvement	9	New infiltration basin to intercept drainage before it reaches stream, drainage area approx 6 acres	Possible alternative to project M93	1427 BLUEMONT CT
M93	Subwatershed Improvement	1	New naturalized basin/constructed wetland to intercept drainage before it reaches stream, drainage area approx 6 acres	Possible alternative to project M92	1427 BLUEMONT CT
M94	Subwatershed Improvement	9	Variety of LID retrofits (bioretention, infiltration, rain barrels, etc) throughout Tralee subdv	Will compliment, but should not replace projects M90/91 and M92/93	1131 WATERFORD PL
M95	Subwatershed Improvement	9	Replace pipe with vegetated swale/infiltration trench, also variety of LID retrofits (bioretention, infiltration) between buildings and throughout landscaping of Cavalier subdv		1027 QUEENS CT
M96	Subwatershed Improvement	9	New infiltration basin at point location and variety of LID retrofits (bioretention, infiltration) between buildings and throughout landscaping of Potomac Fairways Sect 1 and Sect 2		1109 LOPEZ LA

M97	Stream Restoration	2	Daylight stream and restore to natural channel, including buffer restoration	1106 TWAY LA
M98	Subwatershed Improvement	9	New infiltration basin in athletic field, replace paved ditch with vegetated swale/infiltration trench	1719 SADLERS WELLS DR

Subwatershed SU-FL-0007 **Watershed:** Sugarland **Management Area:** Sugarland - Folly Lick

Description Headwaters, primarily Golf Course & MDR, 1 non-SWM pond, no SWM control **Impairments** High stormwater flows, poor habitat health & diversity, poor water quality

Restoration Selection Criteria SW Ranking, Flooding **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff, improve habitat and water quality

Percent Impervious 29.33%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M100	Subwatershed Improvement	1	New naturalized basin/constructed wetland, drainage area approx 20 acres	Possible alternative to project M99	1200 MAGNOLIA LA
M101	Subwatershed Improvement	9	Variety of LID retrofits (bioretention/rain gardens, infiltration basins/trenches, vegetated swales, etc) throughout sports complex		661 DULLES PARK CT
M102	Subwatershed Improvement	1	New naturalized dry pond or constructed wetland		800 MOSBY HOLLOW DR
M103	Stream Restoration	2	Restore grass channels to natural stream channels and improve riparian buffers to the extent possible on Golf Course		1090 STERLING RD
M104	Subwatershed Improvement	9	Retrofit grass channel to vegetated swale/infiltration trench and restore riparian buffer to the extent possible on Golf Course		816 MOSBY HOLLOW DR
M105	Subwatershed Improvement	1	Replace pipe/concrete channel with new constructed wetland and restore riparian buffer downstream		810 MOSBY HOLLOW DR
M106	Subwatershed Improvement	1	New naturalized dry pond or constructed wetland with naturalized/vegetated swales at outlet		995 CRESTVIEW DR
M107	Subwatershed Improvement	1	New naturalized dry pond or constructed wetland with naturalized/vegetated swales at outlet		1301 BAYSHIRE LA
M108	Non-Structural		Targeted rain barrel program at Westfield subdv		1357 ICY BROOK DR
M99	Subwatershed Improvement	9	New infiltration basins, drainage area approx 20 acres	Possible alternative to project M100	751 BARBARALYNN PL

Subwatershed SU-FL-0008 **Watershed:** Sugarland **Management Area:** Sugarland - Folly Lick

Description Mix of LDR, MDR, HDR, LIC, HIC and INT, no SWM control **Impairments** Poor habitat health, poor water quality, deficient riparian buffer

Restoration Selection Criteria Flooding **Preservation Qualities**

Preservation Selection Criteria % Increase IMP (4.24%), STEPL **Improvement Goals** Improve riparian buffer, habitat and water quality

Percent Impervious 31.53%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
M109	Subwatershed Improvement	1	New SWM pond/constructed wetland, drainage area approx 3 acres		1001 STANTON PARK CT
M110	Non-Structural		Targeted rain barrel program at Haloyon of Herndon Sect 5, Van Vlecks subdv, Ballou subdv, Saubers subdv, Herndon Station, & Herndon Park Station		1001 MONROE ST
M111	Subwatershed Improvement	9	New infiltration basin/LID suite, drainage area approx 2 acres	Possible alternative (along with project M112) to project M113	1021 KINGS CT
M112	Subwatershed Improvement	9	Disconnect upstream outfall from Cavalier Park subdv and re-route through new vegetated swale/infiltration trench into new infiltration basin/bioretenion	Possible alternative (along with project M111) to project M113	1056 KNIGHT LA
M113	Subwatershed Improvement	1	New SWM pond/constructed wetland to intercept flow from 3 drainage pipes from Cavalier Park subdv - use vegetated swale to re-route flow from pipes to pond	Possible alternative to projects M111 & M112	1037 KINGS CT
M114	Subwatershed Improvement	9	Daylight stream between property boundaries and replace pipe with vegetated swale/infiltration trench		913 MCDANIEL CT
M115	Subwatershed Improvement	9	New infiltration basin, drainage area approx 11 acres	Possible alternative to project M116	937 BRANCH DR
M116	Subwatershed Improvement	1	New naturalized basin/constructed wetland, drainage area approx 11 acres	Possible alternative to project M115	930 PARK AV
M117	Subwatershed Improvement	9	Variety of LID retrofits (bioretention/rain gardens, infiltration basins/trenches, vegetated swales, etc) throughout Fortnightly Square		121 FORTNIGHTLY BV
M118	Subwatershed Improvement	1	New naturalized dry pond in existing depression, drainage area approx 34 acres		800 VINE ST

M119	Subwatershed Improvement	9	Integrate infiltration basin/bioretention into existing dry pond (not in StormNet)	Possible alternative to projects M120 & M121	769 GRACE ST
M120	Subwatershed Improvement	1	Retrofit existing dry pond (not in StormNet) to naturalized dry pond	Possible alternative to project M119, will compliment project M121	769 GRACE ST
M121	Subwatershed Improvement	9	New infiltration basin in athletic field	Will compliment project M120 or M119	763 GRACE ST
M122	Subwatershed Improvement	9	New infiltration basin and/or LID suite in field/lawn, drainage area approx 25 acres	Possible alternative to project M123	782 ELDEN ST
M123	Subwatershed Improvement	1	New naturalized dry pond in field/lawn, drainage area approx 25 acres	Possible alternative to project M122	782 ELDEN ST
M124	Subwatershed Improvement	9	Replace grass channel with vegetated channel/infiltration trench	Will require homeowner consent	879 STATION ST

Subwatershed SU-FL-0009 **Watershed:** Sugarland **Management Area:** Sugarland - Folly Lick

Description Headwaters, primarily MDR & HDR, with mix of INT, OS & HIC, 1 DP, most dev has no SWM control **Impairments** Poor habitat health, poor water quality

Restoration Selection Criteria **Preservation Qualities**

Preservation Selection Criteria % Increase IMP (2.80%) **Improvement Goals** Improve habitat and water quality

Percent Impervious 37.29%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M125	Subwatershed Improvement	9	Daylight drainage channel and replace with vegetated channel/infiltration trench, also, disconnect drainage from dry pond and re-route to new vegetated channel with a second vegetated channel along rear of HDR	OS containing drainage channel is slated for HDR, moving the stream pre-emptively will ensure the stream is preserved in a natural condition and not paved over	559 LEGACY PRIDE DR
M126	Subwatershed Improvement	9	Daylight drainage channel and replace with vegetated channel/infiltration trench along edge of parking lot and between buildings		615 CENTER ST
M127	Subwatershed Improvement	9	Replace paved ditch with vegetated swale/infiltration trench		541 FLORIDA AV
M128	Subwatershed Improvement	9	New infiltration basin, re-route additional drainage to new basin, total drainage area potentially 12 acres		901 LOCUST ST
M129	Subwatershed Improvement	1	New naturalized dry pond or constructed wetland, re-route additional drainage to new basin, total drainage area potentially 12 acres		901 LOCUST ST
M130	Subwatershed Improvement	9	Integrate various LID retrofits into landscaping areas, bioretention, infiltration, rain barrels, etc.		523 FLORIDA AV
M131	Subwatershed Improvement	1	Retrofit existing dry pond (no StormNet ID) into naturalized basin	Possible alternative to project M132	627 LEGACY PRIDE DR
M132	Subwatershed Improvement	9	Integrate infiltration basin into existing dry pond (no StormNet ID), and replace paved low flow channel with vegetated swale/infiltration trench	Possible alternative to project M131	627 LEGACY PRIDE DR

M133	Subwatershed Improvement	1	New naturalized dry pond or constructed wetland, re-route additional drainage to new basin, total drainage area potentially 37 acres	484 VIRGINIA AV
M134	Non-Structural		Targeted rain barrel program at Chandon subdv	712 ARCHER CT

Subwatershed SU-SU-0006 **Watershed:** Sugarland **Management Area:** Sugarland - Lower

Description Bordering Loudoun, 1 LDR & ESR

Impairments

Restoration Selection Criteria

Preservation Qualities

Headwaters subwatershed, large low density lots and estates, low development potential

Preservation Selection Criteria SW Ranking

Improvement Goals

Implement general watershed-wide preservations strategies (i.e. public education & outreach, street sweeping, etc.)

Percent Impervious 19.59%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
1	Subwatershed Improvement	8	Remove concrete channel & replace with veg. swales at cul-de-sac on Woolington Road		11443 WOOLINGTON RD

Subwatershed SU-SU-0007 *Watershed:* Sugarland *Management Area:* Sugarland - Lower

Description Mostly in Loudoun, one building w/in Fairfax *Impairments*

Restoration Selection Criteria *Preservation Qualities*

Preservation Selection Criteria SW Ranking *Improvement Goals*

Percent Impervious 18.30%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed SU-SU-0008 **Watershed:** Sugarland **Management Area:** Sugarland - Lower

Description Bordering Loudoun, primarily LDR & ESR, **Impairments** Channelized drainage
 some OS, 1 DP

Restoration Selection Criteria Non-Priority **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Drainage Improvements

Percent Impervious

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
2	Subwatershed Improvement	8	Remove concrete channel & replace with veg. swales @ Seneca Green Way		515 SENECA GREEN WY
3	Subwatershed Improvement	9	LID Retrofit dry pond 1445DP to naturalized infiltration basin	if soils support infiltration, if not use project 5	501 JACKSON TAVERN WY
4	Subwatershed Improvement	1	Retrofit dry pond 1445DP to naturalized dry basin	if project 4 unsuitable	511 JACKSON TAVERN WY

Subwatershed SU-SU-0011 *Watershed:* Sugarland *Management Area:* Sugarland - Lower

Description Mostly in Loudoun, LDR *Impairments* Flooding (in Loudoun), higher impervious area

Restoration Selection Criteria Flooding *Preservation Qualities*

Preservation Selection Criteria IMP, SW Ranking *Improvement Goals*

Percent Impervious 5.07%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed SU-SU-0012 **Watershed:** Sugarland **Management Area:** Sugarland - Lower

Description Bordering Loudoun, primarily LDR & ESR, with some pastures & horse farms, 2 DP **Impairments** Poor habitat downstream of 2 dry ponds

Restoration Selection Criteria Non-Priority **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Restore stream buffers, improve water quality

Percent Impervious

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
5	Non-Structural		Riparian buffer restoration upstream and downstream of Brockman Court.	Stream runs through 2 properties, one upstream and one downstream of Brockman Court	603 BROCKMAN CT
6	Subwatershed Improvement	9	LID Retrofit dry pond 1447DP to naturalized infiltration basin	if soils support infiltration, if not use project 7	11655 GREAT FALLS WY
7	Subwatershed Improvement	1	Retrofit dry pond 1447DP to naturalized dry basin	if project 6 unsuitable	11655 GREAT FALLS WY
8	Subwatershed Improvement	9	LID Retrofit dry pond 1446DP to naturalized infiltration basin	if soils support infiltration, if not use project 8	604 NALLS FARM WY
9	Subwatershed Improvement	1	Retrofit dry pond 1446DP to naturalized dry basin	if project 7 unsuitable	604 NALLS FARM WY

Subwatershed SU-SU-0013 **Watershed:** Sugarland **Management Area:** Sugarland - Lower

Description Bordering Loudoun, primarily ESR & LDR with some OS, 3 farm ponds, no SWM **Impairments** At risk for future development, damaged and undersized culvert, CEM Type 3 - Widening

Restoration Selection Criteria Field Recon/ ProRata **Preservation Qualities**

Preservation Selection Criteria IMP, % Increase IMP (6.50%), SW Ranking **Improvement Goals** Repair culvert, capture impervious runoff if possible

Percent Impervious 6.19%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
10	Road Crossing Improvement	4	Repair and replace culvert @ Kentland Drive	may not be needed if upstream projects reduce flow volume/velocities	619 KENTLAND DR
11	Stream Restoration	2	Place j-hooks/cross vanes to reduce erosive flows to culvert at Kentland Drive		619 KENTLAND DR
12	Subwatershed Improvement	9	New infiltration basin in open space lot on Keithley Drive, drainage area approx 5 ac.	if infiltration not possible try project 13	770 KEITHLEY DR
13	Subwatershed Improvement	1	New dry pond in open space lot on Keithley Drive, total drainage area approx 5 ac.	if project 12 is unsuitable	770 KEITHLEY DR
14	Road Crossing Improvement	4	repair and replace culvert @ driveway off Plantation Drive	2003 SPA shows high bank erosion upstream and downstream of culvert, culvert may be undersized, new home and driveway shown on 2007 aerial, need to field verify to see if problem still exists	11820 PLANTATION DR
15	Subwatershed Improvement	1	Retrofit existing farm pond to wet pond or constructed wetland	land-locked parcel to south (currently undeveloped) of farm pond could be purchased and used to expand size of SWM pond.	11601 AIR VIEW LA

Subwatershed SU-SU-0018 **Watershed:** Sugarland **Management Area:** Sugarland - Lower

Description Bordering Loudoun, primarily ESR & LDR with some parcels being dev. or planned for dev. **Impairments** Flooding in Loudoun County, at risk for future development

Restoration Selection Criteria Flooding **Preservation Qualities**

Preservation Selection Criteria % Increase IMP (9.14%), STEPL **Improvement Goals**

Percent Impervious 11.68%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
16	Stream Restoration	2	Remove concrete channel and restore stream channel		804 THOMAS RUN DR
17	Subwatershed Improvement	1	Retrofit existing farm pond to wet pond or constructed wetland	will require homeowners consent	11901 PLANTATION DR

Subwatershed SU-SU-0019 **Watershed:** Sugarland **Management Area:** Sugarland - Lower

Description Bordering Loudoun, primarily LDR & MDR w/ some ESR, OS adjacent to streams, **Impairments** 1 res bldg in Loudoun at risk of flooding,
Restoration Selection Criteria Flooding **Preservation Qualities** forested riparian buffers, low density lots and estates
Preservation Selection Criteria SW Ranking **Improvement Goals**
Percent Impervious 14.19%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
18	Preservation		Conservation easement to preserve riparian buffer		12001 THOMAS AV
19	Preservation		Conservation easement to preserve riparian buffer		12031 THOMAS AV

Subwatershed SU-SU-0028 **Watershed:** Sugarland **Management Area:** Sugarland - Lower

Description Bordering Loudoun, primarily LDR w/ some LIC & OS, 4 dp, 1 farm pond, Leesburg Pike (Rte 7) & Dranesville Rd (Rte 228) **Impairments** Severe erosion (5-6') on Sugarland Run along Dranesville Rd. - 15' headcut and undercut banks, high SW outfalls, multiple obstructions and ditch impacts

Restoration Selection Criteria SPA Data **Preservation Qualities** large forested riparian buffers, at risk for increased impervious and increased nutrient loading

Preservation Selection Criteria % Increase IMP (26.19%), STEPL **Improvement Goals** Capture impervious runoff and reduce erosive flows, stabilize and restore erosion impacts, preserve open space & riparian buffers

Percent Impervious 19.86%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
44	Stream Restoration	2	Repair eroded banks at SPA erosion point SUSU1-2-E4		1021 DRANESVILLE RD
45	Subwatershed Improvement	9	LID retrofit dry pond 0570DP to infiltration basin. Additional LID around building & parking lot - bioretention, infiltration trenches, filter strips, swales, cisterns	if infiltration not possible try project 46	1100 DRANESVILLE RD
46	Subwatershed Improvement	1	SW Retrofit dry pond 0570DP to naturalized dry pond	if project 45 is unsuitable	1100 DRANESVILLE RD
47	Subwatershed Improvement	9	LID retrofit potential dry pond to infiltration basin or bioretention. Additional LID around building & parking lot - infiltration trenches, filter strips, swales, cisterns, rain gardens.	if infiltration not possible try project 48	1108 DRANESVILLE RD
48	Subwatershed Improvement	9	SW Retrofit potential dry pond to naturalized dry pond	if project 47 is unsuitable	1108 DRANESVILLE RD
49	Subwatershed Improvement	9	New infiltration basin to capture runoff from Grand Hamptons II HOA, drainage area approx 6 ac.	if infiltration not possible try project 50	12213 WINDSOR HALL WY
50	Subwatershed Improvement	1	New dry pond to capture runoff from Grand Hamptons II HOA, total drainage area approx 6 ac.	if project 49 is unsuitable	12211 WINDSOR HALL WY
51	Subwatershed Improvement	9	SW retrofit dry pond 1034DP to constructed wetland or wet pond		12125 WINDSOR HALL WY
52	Subwatershed Improvement	8	Improve drainage channel and outfall at SPA ditch SUSU1-2-D9 and clear obstructions upstream and downstream of ditch		1048 PLATO LA

53	Subwatershed Improvement	9	Install veg. swale w/ check dams or bioretention to capture runoff from outfall		12150 WINDSOR HALL WY
54	Subwatershed Improvement	9	New infiltration basin to capture runoff from Laing at Sugarland HOA, drainage area approx 7.2 ac.	if infiltration not possible try project 55	1062 METHVEN CT
55	Subwatershed Improvement	1	New dry pond to capture runoff from Grand Laing at Sugarland HOA, total drainage area approx 7.2 ac.	if project 54 is unsuitable	1062 METHVEN CT
56	Subwatershed Improvement	9	Install veg. swale w/ check dams or bioretention to capture runoff from outfall		12146 WINDSOR HALL WY
57	Subwatershed Improvement	8	Improve drainage channel & outfall		12154 WINDSOR HALL WY
58	Subwatershed Improvement	8	Improve drainage channel and outfall at SPA ditch SUSU1-2-D10 and clear obstructions upstream and downstream of ditch		12282 MILLWOOD POND CT
59	Subwatershed Improvement	9	LID retrofit dry pond DP0501 to infiltration basin. Additional LID around building & parking lot - bioretention, infiltration trenches, filter strips, swales, cisterns	if infiltration not possible try project 60	1013 DRANESVILLE RD
60	Subwatershed Improvement	1	SW Retrofit dry pond DP0501 to naturalized dry pond	if project 59 is unsuitable	1013 DRANESVILLE RD
61	Non-Structural		Rain barrel program Grand Hamptons II HOA		12206 WINDSOR HALL WY
62	Non-Structural		Rain barrel program Laing at Sugarland		1066 METHVEN CT

Subwatershed SU-SU-0029 **Watershed:** Sugarland **Management Area:** Sugarland - Lower

Description Mostly in Loudoun drains to Fairfax, primarily MDR & LDR, Dranesville Rd, 1 DP, 1 farm pond **Impairments** high impervious in Loudoun

Restoration Selection Criteria **Preservation Qualities** Artificial wetlands created from Dranesville Rd relocation

Preservation Selection Criteria SW Ranking **Improvement Goals** Capture impervious runoff, preserve & enhance wetlands

Percent Impervious 17.84%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
65	Subwatershed Improvement	9	LID retrofit dry pond 1257DP to infiltration basin.	if infiltration not possible try project 66	1111 LANDERSET DR
66	Subwatershed Improvement	1	SW Retrofit dry pond 1257DP to naturalized dry pond	if project 65 is unsuitable	1109 LANDERSET DR
67	Subwatershed Improvement	1	SW retrofit artificial wetlands adjacent to Dranesville road to high quality constructed wetlands w/ sediment forebays		1103 LANDERSET DR
68	Non-Structural		Rain barrel program Colvin Hunt HOA		12418 WILLOW FALLS DR

Subwatershed SU-FF-0001 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Primarily highly developed LDR & MDR, good forested riparian buffer, 1 DP **Impairments** potential hot spot @ Metro Ready Mix Inc., multiple ditches and outfalls w/ moderate erosion impacts

Restoration Selection Criteria Regional Pond **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** provide alternatives to regional pond, capture impervious runoff, stabilize/repair stream impacts, improve water quality

Percent Impervious 12.94%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
96a	Regional Pond Alternatives	0	LID: new infiltration basin to intercept storm drains from Sugar Creek Sec. 1, drainage area approx 4.2 acres	use project 96b if soils do not promote infiltration	12105 SNOW SHOE CT
96b	Regional Pond Alternatives	0	New SW: new swm pond to intercept storm drains from Sugar Creek Sec. 1, drainage area approx 4.2 acres	if project 96a is unsuitable	12105 SNOW SHOE CT
96c	Regional Pond Alternatives	0	LID: Add bioretention or filter strip to provide some water quality treatment to outfalls		12110 HEATHER WY
96d	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond VDOT29052 to naturalized dry basin	coordinate w/ VDOT	1120 SUGAR MAPLE LA
96e	Regional Pond Alternatives	0	LID: Add bioretention or filter strip to provide some water quality treatment to outfalls		1203 ROWLAND DR
96f	Regional Pond Alternatives	0	Drainage Improvement: improve drainage channel and outfalls from Rowland Dr		1200 ROWLAND DR
97	Non-Structural		Rain barrel program Shaker Woods HOA		1214 ROWLAND DR
98	Non-Structural		Rain barrel program Sugar Creek Sec. 1 HOA		12111 SNOW SHOE CT

Subwatershed SU-FF-0002 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Primarily LDR with some ESR & MDR, portions of WWTP, good forested buffer along stream channels. 2 WP, 2 DP **Impairments** CEM Type 3 (widening), moderate erosion problems where obstructions were before, portions of Corbalis Treatment Plant with outfalls into stream

Restoration Selection Criteria Regional Pond, SPA Data **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** provide alternatives to regional pond, capture impervious runoff, stabilize/repair stream impacts, improve water quality

Percent Impervious 14.65%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
100	Stream Restoration	2	Repair eroding banks at SPA erosion points SUSU2-2-E6, E7 & E8		1202 CRAYTON RD
101	Non-Structural		Conservation easement to preserve riparian buffer and forested open space		1165 SILVER BEECH RD
102	Non-Structural		Rain Barrel Program Sugar Creek 1st Addn, Sec. 2 HOA		11909 CRAYTON CT
103	Non-Structural		Rain Barrel Program Timber Knoll HOA		11862 TIMBER KNOLL CT
104	Non-Structural		Rain Barrel Program Stoney Creek Woods HOA		1177 TAJI CT
99a	Regional Pond Alternatives	0	LID: replace riprap outfall protection at end of driveway culvert with swale & bioretention		1202 CRAYTON RD
99b	Regional Pond Alternatives	0	New SW: new swm pond to intercept storm drains from southern part of Stoney Creek Woods, drainage area approx 27 acres	2 wet ponds in series located upstream on WWTP property	1207 CRAYTON RD
99c	Regional Pond Alternatives	0	LID: retrofit dry pond 0727DP to naturalized infiltration basin	if soils support infiltration, if not use project 99d	1176 SILVER BEECH RD
99d	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond 0727DP to naturalized dry basin	if project 99c suitable	1176 SILVER BEECH RD
99e	Regional Pond Alternatives	0	Culvert retrofit: construct control structure w/ wetland or wet pond to intercept outfalls fr. Sugar Creek HOA		1176 SILVER BEECH RD

Subwatershed SU-FF-0003 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description LDR w/ large tracts of forested OS adjacent to streams, 1 DP **Impairments** undersized culverts w/ road flooding and minor erosion, poor habitat, moderate erosion downstream

Restoration Selection Criteria Drains to Regional Pond in SU-FF-0002, Field Recon/ProRata **Preservation Qualities** preserve open space to protect forested riparian buffers

Preservation Selection Criteria % Increase IMP (2.29%) **Improvement Goals** provide alternatives to regional pond, capture impervious runoff, stabilize/repair stream impacts, improve road crossings, improve water quality

Percent Impervious 10.87%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
105	Non-Structural		Rain Barrel Program Shaker Woods HOA		11666 GILMAN LA
106	Non-Structural		Rain Barrel Program Caris Glenne HOA & Blackstone at Shaker Woods HOA		1104 ARBOROAK PL
107	Non-Structural		Riparian buffer restoration downstream of Suart Hills Way crossing		1126 STUART HILLS WY
99f	Regional Pond Alternatives	0	Road crossing improvement: Raise road and replace culvert at Shaker Woods Rd crossing (Pro Rata Project No. DR-6)		1225 SHAKER WOODS RD
99g	Regional Pond Alternatives	0	Road crossing improvement: Replace culvert at Shaker Woods Rd crossing and stabilize stream banks (Pro Rata Project DR-5)		1214 SHAKER WOODS RD
99h	Regional Pond Alternatives	0	LID: New infiltration basins to intercept storm drains from Shaker Woods HOA & Corbalis Water Treatment Plant, drainage area approx. 24 acres	if soils support infiltration otherwise use project 99i	1225 SHAKER WOODS RD
99i	Regional Pond Alternatives	0	New SW: new swm pond to intercept storm drains from southern part of Shaker Woods HOA & Corbalis Water Treatment Plant, drainage area approx. 24 acres	if project 99h is unsuitable	1225 SHAKER WOODS RD
99j	Regional Pond Alternatives	0	LID: retrofit dry pond 01064DP to naturalized infiltration basin	if soils support infiltration, if not use project 99k	1207 DANLEA CT
99k	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond 1064DP to naturalized dry basin	if project 99j is unsuitable	1207 DANLEA CT

Subwatershed SU-FF-0004 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Primarily LDR and MDR w/ some ESR, portions of WWTP, good forested buffer along streams, 2 farm ponds, 2DP **Impairments** undersized culverts w/ road flooding and minor erosion, poor habitat, poor water quality, moderate downstream erosion

Restoration Selection Criteria Drains to Regional Pond in SU-FF-0002, Field Recon/ProRata **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** provide alternatives to regional pond, capture impervious runoff, stabilize/repair stream impacts, improve road crossings, improve water quality

Percent Impervious 15.29%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
108	Stream Restoration	2	Repair eroding banks at SPA erosion points SUSU2-2-E10		1209 CRAYTON RD
109	Non-Structural		Rain Barrel Program Caris Glenne, Stuart Estates, & Stuart Hills HOA		1134 STUART HILLS WY
110	Non-Structural		Rain Barrel Program Forest Heights Estates & Stoney Creek Woods HOA		11808 FOREST HEIGHTS CT
111	Non-Structural		Rain Barrel Program Cedar Chase, Oak Creek Estates, Great Falls Woods, & D. J. Smithers HOAs		1074 CEDAR CHASE CT
99aa	Regional Pond Alternatives	0	LID: New infiltration basin to intercept storm drains from western part of Cedar Chase, drainage area approx. 6.5 acres	if soils support infiltration otherwise use project 99ab	11605 CEDAR CHASE RD
99ab	Regional Pond Alternatives	0	New SW: new swm pond to intercept storm drains western part of Cedar Chase, drainage area approx. 6.5 acres	if project 99aa is unsuitable	1080 CEDAR CHASE CT
99l	Regional Pond Alternatives	0	LID: retrofit dry pond south of Forest Heights Ct to naturalized infiltration basin	if soils support infiltration, if not use project 99m	11811 FOREST HEIGHTS CT
99m	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond south of Forest Heights Ct to naturalized dry basin	if project 99l is unsuitable	11811 FOREST HEIGHTS CT
99n	Regional Pond Alternatives	0	SW Retrofit: Retrofit farm pond to constructed wetland or wet pond		1224 ADMIRAL ZUMWALT LA
99o	Regional Pond Alternatives	0	SW Retrofit: Retrofit farm pond to constructed wetland or wet pond		1121 CLINCH RD
99p	Regional Pond Alternatives	0	SW Retrofit: Retrofit farm pond to constructed wetland or wet pond		1108 SHAKER WOODS RD

99q	Regional Pond Alternatives	0	LID: retrofit dry pond DP0563 to naturalized infiltration basin	if soils support infiltration, if not use project 99k	1096 LIBERTY MEETING CT
99r	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond DP0564 to naturalized dry basin	if project 99j is unsuitable	1096 LIBERTY MEETING CT
99s	Regional Pond Alternatives	0	Road crossing improvement: Replace culvert at Shaker Woods Rd crossing and stabilize stream banks (Pro Rata Project DR-8)		1111 SHAKER WOODS RD
99t	Regional Pond Alternatives	0	Road crossing improvement: Replace culvert at Shaker Woods Rd crossing and stabilize stream banks (Pro Rata Project DR-7)		1134 STUART HILLS WY
99u	Regional Pond Alternatives	0	LID: New infiltration basin to intercept storm drains from Caris Glenne HOA, drainage area approx. 7 acres	if soils support infiltration otherwise use project 99v	11715 CARIS GLENNE DR
99v	Regional Pond Alternatives	0	New SW: new swm pond to intercept storm drains from Caris Glenne HOA, drainage area approx. 7 acres	if project 99u is unsuitable	11715 CARIS GLENNE DR
99w	Regional Pond Alternatives	0	LID: New infiltration basin to intercept storm drains from Oak Crest Estates, drainage area approx. 5.5 acres	if soils support infiltration otherwise use project 99x	11696 CARSON OVERLOOK CT
99x	Regional Pond Alternatives	0	New SW: new swm pond to intercept storm drains from Oak Crest Estates, drainage area approx. 5.5 acres	if project 99w is unsuitable	11696 CARSON OVERLOOK CT
99y	Regional Pond Alternatives	0	LID: New infiltration basin to intercept storm drains from eastern part of Cedar Chase, drainage area approx. 6 acres	if soils support infiltration otherwise use project 99z	11589 CEDAR CHASE RD
99z	Regional Pond Alternatives	0	New SW: new swm pond to intercept storm drains eastern part of Cedar Chase, drainage area approx. 6 acres	if project 99y is unsuitable	11589 CEDAR CHASE RD

Subwatershed SU-HB-0001 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Mostly in Loudoun, drains to Fairfax, headwaters subwatershed, primarily LDR & MDR, HIC along Leesburg Pike corridor, RT SW treatment at HIC **Impairments** high impervious in Loudoun, poor habitat, high flows per acre

Restoration Selection Criteria **Preservation Qualities**

Preservation Selection Criteria SW Ranking **Improvement Goals** capture impervious runoff, improve water quality

Percent Impervious 10.69%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
63	Subwatershed Improvement	9	New LID treatments (bioretention, infiltration trenches, filter strips, swales, cisterns) around HIC corner of Dranesville Rd & Leesburg Pike		21800 TOWNCENTER PZ
64	Subwatershed Improvement	9	New LID treatments (bioretention, infiltration trenches, filter strips, swales, cisterns) around HIC along Dranesville Rd		1015 DRANESVILLE RD

Subwatershed SU-MB-0001 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Partially in Loudoun Co, highly developed w/ LDR & MDR w/ extensive SW pipe network, some OS, 2 DP **Impairments**

Restoration Selection Criteria **Preservation Qualities**

Preservation Selection Criteria % Increase IMP (4.74%), SW Ranking **Improvement Goals**

Percent Impervious 20.47%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
69	Preservation		Conservation easement or lot purchase to preserve riparian buffer and forested open space		1369 ROCK CHAPEL RD
70	Preservation		Conservation easement or lot purchase to preserve riparian buffer and forested open space		1379 ROCK CHAPEL RD
71	Subwatershed Improvement	9	New infiltration basin to capture runoff from Hastings Hunt Sec. 6 HOA, drainage area approx 12 ac.	if infiltration not possible try project 72	1290 BROWNS MILL CT
72	Subwatershed Improvement	1	New dry pond to capture runoff from Hastings Hunt Sec. 6 HOA, total drainage area approx 12 ac.	if project 71 is unsuitable	1258 MASON MILL CT
73	Subwatershed Improvement	9	Retrofit dry pond 0828DP I209	if infiltration not possible, try project 74	12596 CROSS HOLLOW CT

Subwatershed SU-MB-0003 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Headwaters, Subwatershed completely w/in Loudoun, drains to Fairfax Co. **Impairments**

Restoration Selection Criteria **Preservation Qualities** Headwaters subwatershed

Preservation Selection Criteria IMP, SW Ranking **Improvement Goals** Completely w/in Loudoun Co. - no projects proposed

Percent Impervious 3.62%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
75	Subwatershed Improvement	9	Retrofit dry pond 0308DP w/ infiltration trench in basin bottom for added infiltration benefit, 22 ac. total drainage area		12500 CLIFF EDGE DR
76	Non-Structural		Rain barrel program Hastings Hunt HOA		1462 POWELLS TAVERN PL

Subwatershed SU-MB-0004 *Watershed:* Sugarland *Management Area:* Sugarland - Lower Middle

Description Headwaters, Subwatershed completely w/in Loudoun, drains to Fairfax Co. *Impairments*

Restoration Selection Criteria *Preservation Qualities* Headwaters subwatershed

Preservation Selection Criteria IMP, SW Ranking *Improvement Goals* Completely w/in Loudoun Co. - no projects proposed

Percent Impervious 6.85%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
77	Non-Structural		Rain barrel program Crestbrook HoA & Jenkins Ridge HOA		1318 BROWNS MILL CT

Subwatershed SU-MB-0005 *Watershed:* Sugarland *Management Area:* Sugarland - Lower Middle

Description Headwaters, Subwatershed completely w/in Loudoun, drains to Fairfax Co. *Impairments*

Restoration Selection Criteria *Preservation Qualities* Headwaters subwatershed

Preservation Selection Criteria IMP, SW Ranking *Improvement Goals* Completely w/in Loudoun Co. - no projects proposed

Percent Impervious 7.67%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed SU-SU-0020 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Headwaters, primarily ESR & LDR w/ some MDR, 1 DP, 3 farm ponds **Impairments** At risk for some future development

Restoration Selection Criteria **Preservation Qualities** Headwaters subwatershed, large low density lots and estates

Preservation Selection Criteria IMP, % Increase IMP (8.13%), SW Ranking **Improvement Goals** Implement general watershed-wide preservations strategies (i.e. public education & outreach, street sweeping, etc.), preserve undeveloped lots to protect stream buffers

Percent Impervious 8.37%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
20	Preservation		Conservation easement or lot purchase to preserve riparian buffer and forested open space in headwaters		748 KENTLAND DR
21	Preservation		Conservation easement to preserve riparian buffer		11639 BLUE RIDGE LA
22	Preservation		Conservation easement or lot purchase to preserve riparian buffer and forested open space in headwaters		11819 THOMAS AV
23	Preservation		Conservation easement or lot purchase to preserve riparian buffer and forested open space in headwaters		11925 THOMAS AV

Subwatershed SU-SU-0021 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Headwaters, primarily LDR w/ some MDR & ESR, 2 DP **Impairments**

Restoration Selection Criteria **Preservation Qualities** Headwaters with good riparian buffers, good IBI ratings and fair habitat scores

Preservation Selection Criteria SW Ranking **Improvement Goals** Implement general watershed-wide preservations strategies (i.e. public education & outreach, street sweeping, etc.)

Percent Impervious 11.36%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
24	Preservation		Conservation easement from homes along Tralee Dr & Rolling Meadow Dr to preserve riparian buffer		11550 TRALEE DR
25	Subwatershed Improvement	9	LID: retrofit dry pond 1454DP to naturalized infiltration basin	if soils support infiltration, if not use project 26	11538 TRALEE DR
26	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 1454DP to naturalized dry basin	if project 25 unsuitable	11528 TRALEE DR
27	Subwatershed Improvement	9	LID: retrofit dry pond 1382DP to naturalized infiltration basin	if soils support infiltration, if not use project 28	11558 TRALEE DR
28	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 1382DP to naturalized dry basin	if project 27 unsuitable	11558 TRALEE DR

Subwatershed SU-SU-0024 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Primarily LDR & MDR, adjacent to Leesburg Pike (Rte 7), some large areas of OS, 1 VDOT SWM facility **Impairments**

Restoration Selection Criteria Public Involvement **Preservation Qualities**

Preservation Selection Criteria IMP **Improvement Goals**

Percent Impervious 8.99%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
32	Subwatershed Improvement	8	Improve drainage channels & outfalls		12188 HOLLY KNOLL CI
33	Non-Structural		Remove construction debris, cut/fill spoils, reforest or restore riparian buffer	coordinate w/ VDOT	12200 LEESBURG PI
34	Subwatershed Improvement	9	LID: retrofit dry pond 1382DP to naturalized infiltration basin	if soils support infiltration, if not use project 35, coordinate w/ VDOT	12201 LEESBURG PI
35	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 1382DP to naturalized dry basin	if project 34 unsuitable, coordinate w/ VDOT	12201 LEESBURG PI

Subwatershed SU-SU-0026 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Primarily LDR & some ESR, large OS areas-parks & recreation facilities, some INT & HIC, pot. hotspot , 3 DP, 2 non-SWM ponds, Leesburg Pike (Rte. 7) **Impairments** Deficient riparian buffers, CEM Type 4 (stabilizing), potential hotspot (Dranesville Auto Service), channelized drainage

Restoration Selection Criteria Regional Pond and Field Recon/ Regional Ponds **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Provide alternatives to regional pond, Preserve open space areas, address potential water quality issues fr hotspot, improve drainage channels

Percent Impervious 21.12%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
36g	Regional Pond Alternatives	0	Drainage Improvement: Remove concrete channels & replace w/ veg. swales along Hollyview Dr.		11786 HOLLYVIEW DR
36h	Regional Pond Alternatives	0	LID: Provide water quality pretreatment for runoff from Dranesville Auto Service - LID treatments such as sand filters, water quality inlets, rain gardens etc.	adjacent open space lot could be used to create bioretention/infiltration trench to provide water quality treatment.	11800 LEESBURG PI
36i	Regional Pond Alternatives	0	LID: retrofit dry pond DP0562 to naturalized infiltration basin	if soils support infiltration, if not use project 36j	1090 LIBERTY MEETING CT
36j	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond DP0562 to naturalized dry basin	if project 36i unsuitable	1090 LIBERTY MEETING CT
36k	Regional Pond Alternatives	0	New LID treatments (bioretention, infiltration trenches, filter strips, swales, cisterns) around school at Sugarland Rd & Liberty Meeting Ct	Implement project 37 together with this project	1090 LIBERTY MEETING CT
36l	Regional Pond Alternatives	0	SW Retrofit: Retrofit farm pond into a high quality constructed wetland with appropriate wetland plantings		11800 LEESBURG PI
36m	Regional Pond Alternatives	0	LID: New LID treatments around parking lot and along driveway - infiltration trenches, bioretention, filter strips, swales.	Implement project 39 together with this project	11801 LEESBURG PI
36n	Regional Pond Alternatives	0	LID: Add bioretention or filter strip to provide some water quality treatment to outfalls		11903 LEESBURG PI
36o	Regional Pond Alternatives	0	New infiltration basin in athletic field in Grand Hamptons Sec. 1 off Safa St. drainage area approx 6 ac.		1081 SAFA ST

36p	Regional Pond Alternatives	0	New SW: new swm pond to intercept storm drains from eastern half of Holly Knoll Development, drainage area approx 19 acres		11903 LEESBURG PI
36q	Regional Pond Alternatives	0	LID: retrofit dry pond 0656DP to naturalized infiltration basin	if soils support infiltration, if not use project 36r	1085 SAFA ST
36r	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond 0656DP to naturalized dry basin	if project 36qunsuitable	1085 SAFA ST
36s	Regional Pond Alternatives	0	Drainage Improvement: Remove concrete channels & replace w/ veg. swales in median of Leesburg Pike		11714 LEESBURG PI
37	Non-Structural		Non-structural: provide informational signs at LID treatments and create educational program for students, parents and community	Implement project 36ktogether with this project	1090 LIBERTY MEETING CT
38	Non-Structural		Non-structural - riparian buffer restoration along Leesburg Pike @ driving range, will also provide highway screening		11800 LEESBURG PI
39	Non-Structural		Non-structural - provide informational signs at LID treatments.	Implement project 36mtogether with this project	11801 LEESBURG PI

Subwatershed SU-SU-0027 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Headwaters, primarily LDR w/ some ESR & OS protecting rip. buffers, 2 DP, 1 farm pond **Impairments** some deficient riparian buffers ds end, channelized drainage

Restoration Selection Criteria Drains to Regional Pond in SU-SU-0026 **Preservation Qualities** Headwaters subwatershed, highly developed w/ low future dev. potential, fair to good riparian buffers

Preservation Selection Criteria SW Ranking **Improvement Goals** Provide alternatives to regional pond, restore stream buffers, protect riparian buffers, capture impervious runoff

Percent Impervious 13.72%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
36a	Regional Pond Alternatives	0	Drainage Improvement: Remove concrete channels & replace w/ veg. swales along Saunders Haven Ct.		11503 SAUNDERS HAVEN CT
36b	Regional Pond Alternatives	0	LID: retrofit dry pond 0570DP to naturalized infiltration basin	if soils support infiltration, if not use project 36c	11697 HOLLYVIEW DR
36c	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond 0570DP to naturalized dry basin	if project 36b unsuitable	11695 HOLLYVIEW DR
36d	Regional Pond Alternatives	0	LID: retrofit dry pond 1332DP to naturalized infiltration basin	if soils support infiltration, if not use project 36e	11562 SENECA HILL CT
36e	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond 1332DP to naturalized dry basin	if project 36d unsuitable	11525 SENECA WOODS CT
36f	Regional Pond Alternatives	0	SW Retrofit: Retrofit farm pond to constructed wetland or wet pond		11700 LEESBURG PI
40	Non-Structural		Riparian buffer restoration downstream of farm pond		11706 LEESBURG PI
41	Non-Structural		Rain barrel program Holly Knoll HOA		11697 HOLLYVIEW DR
42	Non-Structural		Rain barrel program Saunders Haven & D. J. Smithers HOAs		11509 SAUNDERS HAVEN CT
43	Non-Structural		Rain barrel program Great Falls Woods HOA		1004 PRESERVE CT

Subwatershed SU-SU-0030 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Primarily MDR & LDR, extensive forested riparian buffers, large SW pipe networks - most areas routed to SW facilities, 3 DP, 1 WP, 1 farm pond **Impairments** CEM Type 3 & Type 4, some large obstructions and multiple outfalls and ditches may be causing moderate erosion on outer bends

Restoration Selection Criteria SPA Data **Preservation Qualities** extensive forested riparian buffers

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff and reduce erosive flows, stabilize and restore erosion impacts

Percent Impervious 21.04%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
78	Subwatershed Improvement	1	Retrofit dry pond 0074DP to naturalized dry pond, add sediment forebays or wq pretreatment, splitting into multiple naturalized dry ponds		1345 BUTTER CHURN DR
79	Subwatershed Improvement	8	Improve drainage channels & outfalls from dry pond 0074DP		1345 BUTTER CHURN DR
80	Subwatershed Improvement	8	Improve drainage channels & outfalls from dry pond 0074DP		1353 BUTTER CHURN DR
81	Non-Structural		Remove fallen tree and debris blocking flow of stream channel		12220 HEATHER WY
82	Subwatershed Improvement	8	Repair and improve drainage channel, provide additional flow dissipation		12214 HEATHER WY
83	Subwatershed Improvement	8	Improve drainage channels & outfalls from dry pond 0508DP		12217 SUGAR MAPLE DR
84	Subwatershed Improvement	9	LID: retrofit dry pond 0508DP to naturalized infiltration basin	if soils support infiltration, if not use project 85	12217 SUGAR MAPLE DR
85	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0508DP to naturalized dry basin	if project 84 unsuitable	12213 SUGAR MAPLE DR
86	Subwatershed Improvement	1	SW Retrofit: Retrofit farm pond to constructed wetland or wet pond		12214 SUGAR CREEK CT
87	Subwatershed Improvement	9	LID: retrofit dry pond 0508DP to naturalized infiltration basin	if soils support infiltration, if not use project 88	1141 BANDY RUN RD
88	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0508DP to naturalized dry basin	if project 87 unsuitable	1137 BANDY RUN RD
89	Subwatershed Improvement	9	LID: remove concrete channels and create naturalized infiltration basin	if soils support infiltration, if not use project 90	1072 METHVEN CT

90	Subwatershed Improvement	1	New SWM: remove concrete channels and install naturalized dry basin	if project 89unsuitable	1070 METHVEN CT
91	Non-Structural		Rain Barrel Program	Sugar Creek HOA	1150 BANDY RUN RD
92	Non-Structural		Rain Barrel Program	Crestwood HOA	1323 ROCK CHAPEL RD
93	Non-Structural		Rain Barrel Program	Millwood Pond HOA & Grand Hamptons II HOA	1159 MILLWOOD POND DR
94	Stream Restoration	2	Repair eroding banks at SPA erosion points	SUFF-2-1-E1	12218 HEATHER WY
95	Stream Restoration	2	Repair eroding banks at SPA erosion points	SUSU1-3-E5	1164 MILLWOOD POND DR

Subwatershed SU-SU-0031 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Primarily highly developed MDR w/ OS around riparian buffer, no SWM **Impairments** Stream erosion from uncontrolled runoff and large obstruction, high SW outfalls, high impervious, poor water quality

Restoration Selection Criteria SPA Data **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff and reduce erosive flows, stabilize and restore erosion impacts

Percent Impervious 28.55%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
112	Subwatershed Improvement	9	LID: New infiltration basins to intercept storm drains from Crestbrook subdivision, drainage area approx. 24 acres	will need at least 2 basins, if soils support infiltration otherwise use project 113	1405 BAKERS CREEK CT
113	Subwatershed Improvement	1	New SW: new swm pond to intercept storm drains from Crestbrook subdivision, drainage area approx. 24 acres	if project 112 is unsuitable	12400 SHALLOW FORD CT
114	Subwatershed Improvement	9	LID: New infiltration basins to intercept storm drains from Crestbrook subdivision, drainage area approx. 2.5 acres	will need at least 2 basins, if soils support infiltration otherwise use project 115	1312 YELLOW TAVERN CT
115	Subwatershed Improvement	1	New SW: new swm pond to intercept storm drains from Crestbrook subdivision, drainage area approx. 2.5 acres	if project 114 is unsuitable	1375 BUTTER CHURN DR
116	Stream Restoration	2	Stabilize and repair eroded bank at SPA erosion point SUSU1-3-E6		1375 BUTTER CHURN DR
117	Non-Structural		Rain Barrel Program Crestbrook HOA		1334 SHALLOW FORD RD
118	Non-Structural		Remove obstruction at SPA obstruction point SUSU1-3-O8		12222 HEATHER WY

Subwatershed SU-SU-0032 **Watershed:** Sugarland **Management Area:** Sugarland - Lower Middle

Description Mostly MDR w/ some LDR, INT in the southeast part of subwatershed, OS along riparian corridor, extensive SW piping network, 9 DP, 1 WP **Impairments** Stream erosion and ditch impact from uncontrolled runoff, high SW outfalls, high impervious, poor water quality

Restoration Selection Criteria SPA Data, Public Involvement **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff and reduce erosive flows, stabilize and restore erosion impacts, improve water quality

Percent Impervious 22.23%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
119	Subwatershed Improvement	9	LID: retrofit dry pond 0901DP to naturalized infiltration basin	if soils support infiltration, if not use project 120	12108 COURTNEY CT
120	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0901DP to naturalized dry basin	if project 119 unsuitable	12108 COURTNEY CT
121	Subwatershed Improvement	9	LID: retrofit dry pond 0899DP to naturalized infiltration basin	if soils support infiltration, if not use project 122	12109 COURTNEY CT
122	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0899DP to naturalized dry basin	if project 121 unsuitable	12118 SANDY CT
123	Subwatershed Improvement	9	LID: New infiltration basins to intercept storm drains from portion of Shaker Woods HOA, drainage area approx. 5 acres	if soils support infiltration otherwise use project 124	12111 SANDY CT
124	Subwatershed Improvement	1	New SW: new swm pond to intercept storm drains from Shaker Woods HOA, drainage area approx. 5 acres	if project 123 is unsuitable	12109 SANDY CT
125	Subwatershed Improvement	9	LID: retrofit dry pond DP0345 to naturalized infiltration basin	if soils support infiltration, if not use project 126	12024 MEADOWVILLE CT
126	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond DP0345 to naturalized dry basin	if project 125 unsuitable	12024 MEADOWVILLE CT
127	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29054 to naturalized infiltration basin	if soils support infiltration, if not use project 128, coordinate w/ VDOT	12058 SUGARLAND VALLEY DR
128	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29054 to naturalized dry basin	if project 127 unsuitable, coordinate w/ VDOT	12054 SUGARLAND VALLEY DR
129	Subwatershed Improvement	9	LID: retrofit dry pond 0575DP to naturalized infiltration basin	if soils support infiltration, if not use project 130	12250 EXBURY ST

130	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0575DP to naturalized dry basin	if project 129 unsuitable	12250 EXBURY ST
131	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29053 to naturalized infiltration basin	if soils support infiltration, if not use project 132, coordinate w/ VDOT	12262 STREAMVALE CI
132	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29053 to naturalized dry basin	if project 131 unsuitable, coordinate w/ VDOT	12256 STREAMVALE CI
133	Non-Structural		Informational signage along trails for outreach	complements project 131 or 132	12256 STREAMVALE CI
134	Stream Restoration	2	Repair eroding banks at SPA erosion points SUSU1-1-E1		1404 VALEBROOK LA
135	Stream Restoration	2	Repair eroding banks at SPA erosion points SUSU1-1-E2		12035 SUGARLAND VALLEY DR
136	Subwatershed Improvement	9	LID: retrofit dry pond 0313DP to naturalized infiltration basin	if soils support infiltration, if not use project 137	12227 PARKSTREAM TE
137	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0313DP to naturalized dry basin	if project 136 unsuitable	1449 KINGSTREAM DR
138	Subwatershed Improvement	9	LID: retrofit dry pond 0434DP to naturalized infiltration basin	if soils support infiltration, if not use project 138	12122 EDDYSPARK DR
139	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0434DP to naturalized dry basin	if project 137 unsuitable	1407 VALEBROOK LA
140	Subwatershed Improvement	9	LID: retrofit dry pond 0845DP to naturalized infiltration basin	if soils support infiltration, if not use project 141	12149 EDDYSPARK DR
141	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0845DP to naturalized dry basin	if project 140 unsuitable	1570 KINGSTREAM CI
142	Subwatershed Improvement	9	New infiltration basin on athletic fields at school, drainage area approx. 2 acres each.	if soils support infiltration	12235 PARKSTREAM TE
143	Subwatershed Improvement	9	LID: New LID treatments around parking lot and along driveway - infiltration trenches, bioretention, filter strips, swales.	Implement project 144 together with this project	1464 KINGVALE CI
144	Non-Structural		Provide informational signs at LID treatments.	Implement project 143 together with this project	1470 KINGVALE CI
145	Non-Structural		Rain barrel program Shaker Woods HOA		12168 EDDYSPARK DR
146	Non-Structural		Rain barrel program Kingstream HOA		1236 ROWLAND DR

Subwatershed SU-SU-022 *Watershed:* Sugarland *Management Area:* Sugarland - Lower Middle

Description Bordering Loudoun, primarily LDR & MDR, large OS areas - conservation easements?, no SWM *Impairments* SPA SUSU1-2-D7 ditch moderate impacts w/moderate erosion

Restoration Selection Criteria SPA Data, Flooding *Preservation Qualities*

Preservation Selection Criteria SW Ranking *Improvement Goals*

Percent Impervious 10.60%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed SU-PO-0001 *Watershed:* Sugarland *Management Area:* Sugarland - Potomac

Description Bordering Loudoun, primarily LDR & OS, some ESR, no SWM

Impairments

Restoration Selection Criteria

Preservation Qualities

Headwaters subwatershed, large lot sizes and large forested and undeveloped open space areas, not planned for development

Preservation Selection Criteria IMP, SW Ranking

Improvement Goals

Preserve open space areas and implement general watershed-wide preservation strategies.

Percent Impervious 2.91%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed SU-PO-0002 **Watershed:** Sugarland **Management Area:** Sugarland - Potomac

Description Bordering Loudoun, primarily LDR & ESR, 1 DP **Impairments**

Restoration Selection Criteria **Preservation Qualities** Headwaters subwatershed, large low density lots, fully developed-no further proposed development

Preservation Selection Criteria IMP, SW Ranking **Improvement Goals** Implement general watershed-wide preservations strategies (i.e. public education & outreach, street sweeping, etc.)

Percent Impervious 8.56%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed SU-SU-0041 **Watershed:** Sugarland **Management Area:** Sugarland - Upper

Description Mostly LIC, HIC & HDR along Elden St, MDR & INT in southwest part of subwatershed, OS areas at risk for development, 2 DP **Impairments** Very high impervious, poor water quality, poor habitat

Restoration Selection Criteria SW Ranking **Preservation Qualities** OS areas at risk for future development, potential for increase in pollutant loading

Preservation Selection Criteria % Increase IMP (3.17%), STEPL **Improvement Goals** preserve open space, capture impervious runoff, improve water quality

Percent Impervious 49.64%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
281	Subwatershed Improvement	8	Improve drainage channel and outfalls off of Laurel Way from Stuart Woods development		124 LAUREL WY
282	Subwatershed Improvement	9	LID: New infiltration basin in OS lot south of Elden St, drainage area approx. 7 acres	if soils support infiltration otherwise use 283	381 ELDEN ST
283	Subwatershed Improvement	1	New SW: new swm pond in OS lot south of Elden St, drainage area approx. 7 acres	if project 282 is unsuitable	381 ELDEN ST
284	Subwatershed Improvement	9	LID: retrofit dry pond @ northern end of IND lot off Spring St. to naturalized infiltration basin	if soils support infiltration, if not use project 285	347 ELDEN ST
285	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond @ northern end of IND lot off Spring St. to naturalized dry basin	if project 284 unsuitable	347 ELDEN ST
286	Subwatershed Improvement	9	LID: retrofit dry pond off Grove St. to naturalized infiltration basin	if soils support infiltration, if not use project 287	270 SPRING ST
287	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond off Grove St to naturalized dry basin	if project 286 unsuitable	270 SPRING ST
288	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		381 ELDEN ST
289	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		413 ELDEN ST

290	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		632 GRANT ST
291	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		501 ELDEN ST
292	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		460 ELDEN ST
293	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		652 ELDEN ST
294	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		605 ELDEN ST
295	Preservation		Conservation easement or lot purchase to preserve OS adjacent to IND along Van Buren St	OS area could be used for SWM implementation	101 PEARL ST
296	Subwatershed Improvement	9	LID: New infiltration basin in OS lot south of Elden St, drainage area approx. 5 acres	implement if project 295 proceeds and soils support infiltration otherwise use 297	601 NASH ST
297	Subwatershed Improvement	1	New SW: new swm pond in OS lot south of Elden St, drainage area approx. 5 acres	if project 296 is unsuitable and project 295 is implemented	601 NASH ST
298	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		585 GROVE ST
299	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		499 GROVE ST

300	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		601 NASH ST
301	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		505 HUNTMAR PARK DR
302	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		530 HUNTMAR PARK DR
303	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		475 SPRINGPARK PL
304	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, sand filters, filter strips, swales, green roofs, cisterns etc.		470 SPRINGPARK PL
305	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	Implement project 306 together with this project	432 VAN BUREN ST
306	Non-Structural		Non-structural: provide informational signs at LID treatments and create education & outreach program	Implement project 305 together with this project	432 VAN BUREN ST
307	Subwatershed Improvement	9	LID: New infiltration basin in OS lot @ corner of Spring St & Van Buren St drainage area approx. 10 acres	if soils support infiltration otherwise use 308	550 VAN BUREN ST
308	Subwatershed Improvement	1	New SW: new swm pond in OS lot @ corner of Spring St & Van Buren St, drainage area approx. 10 acres	if project 307 is unsuitable	550 VAN BUREN ST
309	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		347 ELDEN ST
310	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		500 CARLISLE DR

311	Subwatershed Improvement	9	LID: retrofit dry pond adjacent to Fairfax Co. Pkwy to naturalized infiltration basin	if soils support infiltration, if not use project 312	101 ELDEN ST
312	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond adjacent to Fairfax Co. Pkwy to naturalized dry basin	if project 311 unsuitable	101 ELDEN ST
313	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		1813 TOWN CENTER DR
314	Subwatershed Improvement	9	LID: retrofit dry pond DP0564 to naturalized infiltration basin	if soils support infiltration, if not use project 315	1800 TOWN CENTER DR
315	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond DP0564 to naturalized dry basin	if project 314 unsuitable	12036 EDGEMERE CI
316	Subwatershed Improvement	9	LID: New infiltration basin in OS adjacent to IND & LIC along Fairfax Co. Pkwy, drainage area approx. 1 acres	if soils support infiltration otherwise use 317	491 CARLISLE DR
317	Subwatershed Improvement	1	New SW: new swm pond in OS adjacent to IND & LIC along Fairfax Co. Pkwy, drainage area approx. 8 acres	if project 282 is unsuitable	491 CARLISLE DR
318	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29038 to naturalized infiltration basin	if soils support infiltration, if not use project 319	12195 ABINGTON HALL PL
319	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29038 to naturalized dry basin	if project 318 unsuitable	461 CARLISLE DR
320	Stream Restoration	3	Stabilize eroded banks at SPA erosion point SUSU024.E001		453 CARLISLE DR
321	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		399 GROVE ST
322	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		380 HERNDON PW
323	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		360 HERNDON PW
324	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		365 HERNDON PW

325

Subwatershed Improvement

9

LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.

397 HERNDON PW

Subwatershed SU-SU-0042 **Watershed:** Sugarland **Management Area:** Sugarland - Upper

Description Primarily LIC w/ IND & HIC areas, some HDR & INT on eastern part of subwatershed, OS along riparian corridor - good forested riparian buffer, 3 DP, 2 UG **Impairments** Very high impervious, poor water quality, poor habitat, flooding - non-residential bldg in 100yr floodplain

Restoration Selection Criteria SW Ranking, Public Involvement, Flooding **Preservation Qualities**

Preservation Selection Criteria STEPL **Improvement Goals** Capture impervious runoff, improve drainage and improve water quality, remove culvert obstructions

Percent Impervious 51.93%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
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Subwatershed SU-SU-0043 **Watershed:** Sugarland **Management Area:** Sugarland - Upper

Description Highly developed w/ IND, HIC, MDR, some LIC & HDR, adjacent to Dulles Access Road, 2 DP, poor riparian buffers **Impairments** Very high impervious, at risk for increased impervious, poor water quality, deficient riparian buffers, poor habitat

Restoration Selection Criteria SW Ranking, Public Involvement **Preservation Qualities**

Preservation Selection Criteria % Increase IMP (3.76%), STEPL **Improvement Goals** Capture impervious runoff, stabilize/repair stream impacts, improve water quality

Percent Impervious 48.05%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
326	Preservation		Conservation easement or lot purchase to preserve OS adjacent to IND along Spring St & Fairfax Co. Pkwy	OS area could be used for SWM implementation	244 SUNSET PARK DR
327	Preservation		Conservation easement or lot purchase to preserve OS adjacent to HIC/HDR along Dulles Access Rd & Fairfax Co. Pkwy	OS area could be used for SWM implementation	230 FAIRBROOK DR
328	Subwatershed Improvement	9	LID: New infiltration basin in OS lot adjacent to HDR & IND lots off Sunset Park Dr drainage area approx. 7 acres	implement if project 326 proceeds and soils support infiltration otherwise use 329	230 FAIRBROOK DR
329	Subwatershed Improvement	1	New SW: new swm pond in OS lot adjacent to HDR & IND lots off Sunset Park Dr drainage area approx. 7 acres	implemint if project 326 proceeds and project 328 is unsuitable	230 FAIRBROOK DR
330	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29076 to naturalized infiltration basin	if soils support infiltration, if not use project 331	533 HERNDON PW
331	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29076 to naturalized dry basin	if project 330 unsuitable	533 HERNDON PW
332	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		200 FAIRBROOK DR
333	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		467 HERNDON PW
334	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		151 SPRING ST

335	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		241 SPRING ST
336	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		220 SPRING ST
337	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond off Sugarland Meadow Dr to naturalized dry basin		352 SUGARLAND MEADOW DR
338	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		560 HERNDON PW
339	Subwatershed Improvement	9	LID: New infiltration basin in athletic field off Van Buren St w/ add'l LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, cisterns etc.	Implement project 340 together with this project	324 VAN BUREN ST
340	Non-Structural		Non-structural: provide informational signs at LID treatments and create education & outreach program	Implement project 339 together with this project	320 VAN BUREN ST
341	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		290 MISSOURI AV
342	Subwatershed Improvement	9	LID: LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	Implement project 343 together with this project	320 SENATE CT
343	Non-Structural		Non-structural: provide informational signs at LID treatments and create education & outreach program	Implement project 342 together with this project	621 ALABAMA DR
344	Subwatershed Improvement	9	LID: New veg/grass swale w/ check dams & infiltration trench to bioretention	omit infiltration trench & bioretention if soils do not infiltrate	411 SUGARLAND MEADOW DR
345	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		575 HERNDON PW
346	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		607 HERNDON PW

Subwatershed SU-SU-0044 **Watershed:** Sugarland **Management Area:** Sugarland - Upper

Description Highly developed headwaters, Primarily HDR & HIC, some OS & LIC, no riparian buffers, 3 DP, 1 WP **Impairments** Very high impervious, at risk for increased impervious, poor water quality, deficient riparian buffers, poor habitat

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria % Increase IMP (6.48%) **Improvement Goals** Capture impervious runoff, stabilize/repair stream impacts, improve water quality

Percent Impervious 38.32%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
347	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29036 to naturalized infiltration basin	if soils support infiltration, if not use project 348	429 CARLISLE DR
348	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29036 to naturalized dry basin	if project 347 unsuitable	427 CARLISLE DR
349	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29037 to naturalized infiltration basin	if soils support infiltration, if not use project 350	441 CARLISLE DR
350	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29037 to naturalized dry basin	if project 349 unsuitable	12195 ABINGTON HALL PL
351	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12199 CHANCERY STATION CI
352	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12157 TRYTON WY
353	Subwatershed Improvement	9	LID: New infiltration basin in wooded area between HDR buildings at corner of Crescent Park Dr & Town Center Pkwy, drainage area approx. 6 acres	if soils support infiltration otherwise use 354	12070 KINSLEY PL
354	Subwatershed Improvement	1	New SW: new swm pond in wooded area between HDR buildings at corner of Crescent Park Dr & Town Center Pkwy, drainage area approx. 6 acres	if project 353 is unsuitable	12070 KINSLEY PL
355	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12000 MARKET ST

356	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	12061 BLUEMONT WY
357	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	11955 DEMOCRACY DR

Subwatershed SU-SU-0045 **Watershed:** Sugarland **Management Area:** Sugarland - Upper

Description Highly developed headwaters w/ mostly LIC and HIC, some OS & IND, include Dulles Access Road (Rte 267),extensive SW pipe network, 1 bioretention, 2 UG, 5 dP, 2 WP **Impairments** Flooding - non residential bldg in 100 yr floodplain with stream impairments, poor water quality, deficient riparian buffers and poor habitat

Restoration Selection Criteria SW Ranking, Public Involvement, Flooding **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff, improve drainage and improve water quality, remove culvert obstructions

Percent Impervious 52.24%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
358	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12250 SUNSET HILLS RD
359	Subwatershed Improvement	9	LID: retrofit dry pond DP0421 to naturalized infiltration basin	if soils support infiltration, if not use project 360	12200 SUNSET HILLS RD
360	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond DP0421 to naturalized dry basin	if project 359 unsuitable	12200 SUNSET HILLS RD
361	Subwatershed Improvement	9	LID: retrofit dry pond DP0350 to naturalized infiltration basin	if soils support infiltration, if not use project 362	12197 SUNSET HILLS RD
362	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond DP0350 to naturalized dry basin	if project 361 unsuitable	12197 SUNSET HILLS RD
363	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12197 SUNSET HILLS RD
364	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12190 SUNSET HILLS RD
365	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12110 SUNSET HILLS RD
366	Subwatershed Improvement	9	LID: retrofit dry pond DP0289 to naturalized infiltration basin	if soils support infiltration, if not use project 367	12020 SUNSET HILLS RD
367	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond DP0289 to naturalized dry basin	if project 366 unsuitable	12020 SUNSET HILLS RD

368	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12020 SUNSET HILLS RD
369	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12050 SUNSET HILLS RD
370	Subwatershed Improvement	9	LID: retrofit dry pond DP0440 to naturalized infiltration basin	if soils support infiltration, if not use project 371	12021 SUNSET HILLS RD
371	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond DP0440 to naturalized dry basin	if project 370 unsuitable	12021 SUNSET HILLS RD
372	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12021 SUNSET HILLS RD
373	Subwatershed Improvement	9	LID: retrofit dry pond DP0547 to naturalized infiltration basin	if soils support infiltration, if not use project 374	12012 SUNSET HILLS RD
374	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond DP0647 to naturalized dry basin	if project 373 unsuitable	12012 SUNSET HILLS RD
375	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		12011 SUNSET HILLS RD

Subwatershed SU-RI-0001 **Watershed:** Sugarland **Management Area:** Sugarland - Upper Middle

Description Mostly LDR & MDR, OS along riparian corridor, Fairfax County Parkway (Rte 7100), drains some of Corbalis Water Treatment Plant, 4 DP **Impairments** high impervious, poor water quality, upstream watershed impacts

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff, improve water quality

Percent Impervious 20.31%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
147	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29046 to naturalized infiltration basin, direct outfall fr. Shaker Woods/Corbalis to basin, increase size if necessary	if soils support infiltration, if not use project 148, coordinate w/ VDOT	12024 SUGARLAND VALLEY DR
148	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29046 to naturalized dry basin, direct outfall fr. Shaker Woods/Corbalis to basin, increase size if necessary	if project 147 unsuitable, coordinate w/ VDOT	12022 SUGARLAND VALLEY DR
149	Subwatershed Improvement	9	LID: retrofit dry pond 1032DP to naturalized infiltration basin	if soils support infiltration, if not use project 150	12014 ROSIERS BRANCH DR
150	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 1032DP to naturalized dry basin	if project 149 unsuitable	12012 ROSIERS BRANCH DR
151	Subwatershed Improvement	9	LID: retrofit dry pond 0898DP to naturalized infiltration basin	if soils support infiltration, if not use project 152	12003 MEADOWVILLE CT
152	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0898DP to naturalized dry basin	if project 151 unsuitable	1314 SHAKER WOODS RD
153	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29046 to naturalized infiltration basin	if soils support infiltration, if not use project 154, coordinate w/ VDOT	12002 HEATHER DOWN DR
154	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29046 to naturalized dry basin	if project 153 unsuitable, coordinate w/ VDOT	1409 NORTHPOINT GLEN CT
155	Subwatershed Improvement	7	Retrofit culvert at Fairfax County Pkwy, install control structure w/ micro-pool/wetland for increased runoff storage	coordinate w/ VDOT	1403 NORTHPOINT GLEN CT
156	Non-Structural		Rain barrel program Union Mill, North Point Glen, Stuart Ridge HOAs		11999 HEATHER DOWN DR
157	Non-Structural		Rain barrel program Shaker Woods, Shaker Grove & Kingstream HOAs		1306 SHAKER WOODS RD

Subwatershed SU-RI-0002 **Watershed:** Sugarland **Management Area:** Sugarland - Upper Middle

Description Headwaters, primarily LDR & MDR, with HIC & HDR adjacent to Reston Parkway, extensive SW pipe system, 2 DP, 1 WP **Impairments** moderate erosion fr crossing impacts, high impervious

Restoration Selection Criteria Non-Priority **Preservation Qualities** OS along riparian buffer at risk for future development, headwaters subwatershed

Preservation Selection Criteria **Improvement Goals** repair culvert impacts, capture impervious runoff

Percent Impervious

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
158	Subwatershed Improvement	9	LID: retrofit dry pond 0887DP to naturalized infiltration basin	if soils support infiltration, if not use project 159	11922 FAWN RIDGE LA
159	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0887DP to naturalized dry basin	if project 158 unsuitable	11870 FAWN RIDGE LA
160	Streambank Stabilization	3	Clear outlets at dry pond 0336DP, stabilize downstream impacts		11600 QUAIL RIDGE CT
161	Stream Restoration	2	Remove concrete channel and restore natural stream channel		11603 QUAIL RIDGE CT
162	Preservation		Conservation easement or lot purchase to preserve riparian buffer and forested open space in headwaters		11879 FAWN RIDGE LA
163	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		11723 GREAT OWL CI
164	Subwatershed Improvement	9	LID: New LID treatments around parking lots, driveways & between buildings @ North Point Villas & Summer Ridge - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		11719 SUMMERCHASE CI
165	Subwatershed Improvement	9	LID: New LID treatments around parking lots, driveways and between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs cisterns, porous paving, sand filters etc.		1456 NORTH POINT VILLAGE CE

Subwatershed SU-RI-0003 **Watershed:** Sugarland **Management Area:** Sugarland - Upper Middle

Description Headwaters, primarily LDR & MDR, OS along riparian corridor, 3 DP **Impairments** Drainage impacts in residential areas, ineffective SW controls, increased flow per acre, poor water quality

Restoration Selection Criteria Regional Pond and Field Recon/DC, Public Involvement **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Provide alternatives to regional pond, capture impervious runoff, improve drainage, improve water quality

Percent Impervious 13.83%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
166a	Regional Pond Alternatives	0	Drainage improvement: remove concrete channel along Pellow Circle Ct, replace w/ grass or veg swale, improve outfall structures		11672 PELLOW CIRCLE CT
166b	Regional Pond Alternatives	0	Drainage improvement: improve drainage channel and outfall structures off Deer Forest Rd		11642 DEER FOREST RD
166c	Regional Pond Alternatives	0	LID: New infiltration basins to intercept storm drains from Shaker Woods HOA, drainage area approx. 20.5 acres	if soils support infiltration otherwise use project 166d, will need 2 infil. basins	11599 SOUTHINGTON LA
166d	Regional Pond Alternatives	0	New SW: new swm pond to intercept storm drains from Caris Glenne HOA, drainage area approx. 7 acres	if project 166c is unsuitable	11599 SOUTHINGTON LA
166e	Regional Pond Alternatives	0	LID: retrofit dry pond VDOT29050 to naturalized infiltration basin	if soils support infiltration, if not use project 166f, direct drainage from Southington Lane to basin, coordinate w/ VDOT	11597 SOUTHINGTON LA
166f	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond VDOT29050 to naturalized dry basin	if project 166e unsuitable, direct drainage from Southington Lane to basin, coordinate w/ VDOT	11597 SOUTHINGTON LA
166g	Regional Pond Alternatives	0	LID: retrofit dry pond 0353DP to naturalized infiltration basin	if soils support infiltration, if not use project 166h, direct drainage fr Deer Forest Rd to basin	11640 DEER FOREST RD
166h	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond 0353DP to naturalized dry basin	if project 166g unsuitable, direct drainage fr Deer Forest Rd to basin	11640 DEER FOREST RD

166i	Regional Pond Alternatives	0	LID: retrofit drainage swale w/ infiltration trench and check dams for add'l storage and infiltration benefits	omit infiltration trench if infiltration not possible	11622 DEER FOREST RD
166j	Regional Pond Alternatives	0	LID: New infiltration basin to intercept storm drains from Shaker Dr & Southington La, drainage area approx. 7.4 acres	if soils support infiltration otherwise use project 166k	1219 SHAKER DR
166k	Regional Pond Alternatives	0	New SW: new swm pond to intercept storm drains from Shaker Dr & Southington La, drainage area approx. 7.4 acres	if project 166j is unsuitable	11550 SOUTHINGTON LA
166l	Regional Pond Alternatives	0	LID: retrofit dry pond 0337DP to naturalized infiltration basin, remove concrete low flow channel, deepen basin, protect residences from basin overtopping	if soils support infiltration, if not use project 166m	11601 AUBURN GROVE CT
166m	Regional Pond Alternatives	0	SW Retrofit: Retrofit dry pond 0337DP to naturalized dry basin, remove concrete low flow channel, deepen basin, protect residences from basin overtopping	if project 166l unsuitable	11602 AUBURN GROVE CT
166n	Regional Pond Alternatives	0	Drainage improvement: remove concrete channel between Auburn Grove Ct & Golden Eagle Dr, replace w/ grass or veg swale, improve outfall structures		11607 AUBURN GROVE CT
167	Non-Structural		Rain barrel program Shaker Woods HOA		11584 SOUTHINGTON LA

Subwatershed SU-SU-0034 **Watershed:** Sugarland **Management Area:** Sugarland - Upper Middle

Description MDR w/ some LDR, OS along small riparian corridor, no SWM, all SW pipes outfall to stream **Impairments** At risk for future development, some erosion and ditch impacts from uncontrolled runoff, major debris jams, high SW outfalls, high impervious, poor water quality

Restoration Selection Criteria SPA Data **Preservation Qualities**

Preservation Selection Criteria % Increase IMP (5.99%), STEPL **Improvement Goals** clear debris jams, capture impervious runoff and reduce erosive flows, stabilize and restore erosion and ditch impacts, improve water quality

Percent Impervious 28.58%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
168	Subwatershed Improvement	9	LID: install vegetated swale with check dams & infiltration trench to promote detention and infiltration		714 JENNY ANN CT
169	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	Implement project 170 together with this project	840 DRANESVILLE RD
170	Non-Structural		Non-structural - provide informational signs at LID treatments.	Implement project 169 together with this project	840 DRANESVILLE RD
171	Subwatershed Improvement	9	LID: New infiltration basin in INT lot, drainage area approx. 12 acres	if soils support infiltration otherwise use project 172	844 DRANESVILLE RD
172	Subwatershed Improvement	1	New SW: new swm pond in INT lot, drainage area approx. 12 acres	if project 171 is unsuitable	844 DRANESVILLE RD
173	Preservation		Conservation easement or lot purchase to preserve riparian buffer and forested open space		700 JENNY ANN CT
174	Subwatershed Improvement	9	LID: New infiltration basins in undeveloped OS lot, drainage area approx. 28 acres	if project 173 is implemented, if soils support infiltration otherwise use 174	702 JENNY ANN CT
175	Subwatershed Improvement	1	New SW: new swm pond in undeveloped OS lot, drainage area approx. 28 acres	if project 174 is unsuitable	702 JENNY ANN CT
176	Stream Restoration	3	Stabilize eroded bank at SPA erosion point SUSU018.E001		722 HUNTSMAN PL
177	Non-Structural		Remove obstruction at SPA obstruction point SUUT4-1-O2 & O3, and stabilize erosion impacts		12201 WOODVALE CT

178	Non-Structural	Rain barrel program Van Vecks Subdivision, Barker Hill Sec. 1, Graymoor & Chestnut Grove HOAs	788 3RD ST
179	Non-Structural	Rain barrel program Iron Ridge Sec. 2, Potomac Fairways, & Jeneba Woods HOAs	620 3RD ST
180	Non-Structural	Rain barrel program Old Dranesville Hunt Club HOA	718 OLD HUNT WY

Subwatershed SU-SU-0035 **Watershed:** Sugarland **Management Area:** Sugarland - Upper Middle

Description Stream relocated by Fairfax Co. Pkwy, primarily HDR, w/ mixed LDR/MDR, HIC/LIC along Dulles Access Rd, some OS along riparian corridors, poor riparian buffer, 2 DP, 1 WP - regional pond

Impairments Straightened & relocated stream, immediately adjacent to Fairfax County Pkwy, potential for flooding, high impervious, deficient buffers, poor habitat, poor water quality

Restoration Selection Criteria Flooding

Preservation Qualities

Preservation Selection Criteria

Improvement Goals Improve crossings, restore naturalized stream condition, capture impervious runoff and reduce erosive flows, improve water quality

Percent Impervious 29.96%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
215	Subwatershed Improvement	8	Improve drainage channel and outfalls from Creekbend Dr		12016 CREEKBEND DR
216	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29041 to naturalized infiltration basin,	if soils support infiltration, if not use project 217, coordinate w/ VDOT	1606 POPLAR GROVE DR
217	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29041 to naturalized dry basin	if project 216 unsuitable, coordinate w/ VDOT	1610 POPLAR GROVE DR
218	Stream Restoration	2	Restore naturalized stream channel		11957 GREY SQUIRREL LA
219	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29040 to naturalized infiltration basin,	if soils support infiltration, if not use project 220, coordinate w/ VDOT	1707 SUNDANCE DR
220	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29040 to naturalized dry basin	if project 219 unsuitable, coordinate w/ VDOT	1707 SUNDANCE DR
221	Road Crossing Improvement	4	Remove/replace culvert, raise bed of access road off of Fairfax Co Pkwy, repair crossing impacts		1681 CEDAR HOLLOW WY
222	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		11951 KILLINGSWORTH AV
223	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		11790 BARON CAMERON AV

224	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		1651 RESTON PW
225	Subwatershed Improvement	9	New infiltration basin in athletic field off Reston Pkwy. drainage area approx 7 ac. Additional LID projects such as infiltration trenches, bioretention, filter strip, swales, green roofs etc. around parking lot and between buildings	Implement project 226 together with this project	1635 RESTON PW
226	Non-Structural		Non-structural: provide informational signs at LID treatments and create educational program for students, parents and community	Implement project 225 together with this project	1635 RESTON PW

Subwatershed SU-SU-0036 **Watershed:** Sugarland **Management Area:** Sugarland - Upper Middle

Description Headwaters, mostly HDR/MDR, OS along riparian corridors, INT slated for OS in future, extensive SW pipe networks, 3 DP, 1 WP **Impairments** Riprap undermining channel, moderate to high erosion, blocked/clogged dry pond outlets, high impervious, high SW outfalls, fair habitat

Restoration Selection Criteria Field Recon/DC, Public Involvement **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff and reduce erosive flows, remove riprap, stabilize and repair damaged channels

Percent Impervious 29.10%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
181	Subwatershed Improvement	9	LID: retrofit dry pond at Fairfax Co. Pkwy & Walnut Branch Rd to naturalized infiltration basin	if soils support infiltration, if not use project 182	12002 WALNUT BRANCH RD
182	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond at Fairfax Co Pkwy & Walnut Branch Rd to naturalized dry basin	if project 181 unsuitable	11967 GREY SQUIRREL LA
183	Subwatershed Improvement	9	LID: retrofit dry pond 0334DP to naturalized infiltration basin	if soils support infiltration, if not use project 184	1555 TRAILS EDGE LA
184	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0334DP to naturalized dry basin	if project 183 unsuitable	1557 TWISTED OAK DR
185	Subwatershed Improvement	9	LID: retrofit dry pond 0333DP to naturalized infiltration basin	if soils support infiltration, if not use project 185	11922 WINSTEAD LA
186	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 0333DP to naturalized dry basin	if project 184 unsuitable	11922 WINSTEAD LA
187	Subwatershed Improvement	9	LID: New infiltration basins in undeveloped OS lot, drainage area approx. 6 acres	if soils support infiltration otherwise use 188	1502 TWISTED OAK DR
188	Subwatershed Improvement	1	New SW: new swm pond in undeveloped OS lot, drainage area approx. 6 acres	if project 187 is unsuitable	1481 AUTUMN RIDGE CI
189	Stream Restoration	3	Remove riprap that is undermining channel, stabilize banks, restore riparian buffer		1550 RESTON PW
190	Subwatershed Improvement	9	LID: New infiltration basin in athletic field, intercept drainage fr western half of Reston Sec. 45, drainage area approx. 15 acres	if soils support infiltration	1550 RESTON PW
191	Subwatershed Improvement	9	LID: New infiltration basins in undeveloped OS lot, drainage area approx. 10 acres	if soils support infiltration otherwise use 192	1567 TRAILS EDGE LA

192	Subwatershed Improvement	1	New SW: new swm pond in undeveloped OS lot, drainage area approx. 10 acres	if project 191 is unsuitable	11723 OLD BAYBERRY LA
193	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		1668 HARVEST GREEN CT
194	Subwatershed Improvement	9	LID: new vegetated or grass swale w/ check dams and infiltration trench to promote detention storage & infiltration	omit infiltration trench if infiltration not possible	1560 TWISTED OAK DR
195	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	include signage & rain barrel program for education & outreach	11758 ARBOR GLEN WY
196	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	include signage & rain barrel program for education & outreach	1542 TWISTED OAK DR
197	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	include signage & rain barrel program for education & outreach	1541 WOODCREST DR
198	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	include signage & rain barrel program for education & outreach	1509 DEER POINT WY
199	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	include signage & rain barrel program for education & outreach	1543 POPLAR GROVE DR
200	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	include signage & rain barrel program for education & outreach	1508 AUTUMN RIDGE CI
201	Subwatershed Improvement	9	LID: New infiltration basins in INT lot, drainage area approx. 13.5 acres	intercept outfalls from adjacent HDR area, if soils support infiltration otherwise use 202	1500 POPLAR GROVE DR
202	Subwatershed Improvement	1	New SW: new swm pond in INT lot, drainage area approx. 13.5 acres	intercept outfalls from adjacent HDR area, if project 201 is unsuitable	11875 LAKE NEWPORT RD

Subwatershed SU-SU-0037 **Watershed:** Sugarland **Management Area:** Sugarland - Upper Middle

Description Headwaters, highly developed w/ HIC, HDR & LIC, some OS in parks & INT areas, extensive SW pipe networks 1 RT, 1 WP - regional pond **Impairments** Poor drainage at Library, high impervious, high SW outfalls, potential for future pollutant loading

Restoration Selection Criteria Field Recon/DC **Preservation Qualities**

Preservation Selection Criteria STEPL **Improvement Goals** Capture impervious runoff, and improve drainage

Percent Impervious 56.20%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
227	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		11999 EDGEMERE CI
228	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	Implement project 229 together with this project	1850 TOWN CENTER DR
229	Non-Structural		Non-structural: provide informational signs at LID treatments and create education & outreach program	Implement project 228 together with this project	12062 EDGEMERE CI
230	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		1842 BOWMAN TOWNE CT
231	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	Implement project 229 together with this project	11925 BOWMAN TOWNE DR
232	Non-Structural		Non-structural: provide informational signs at LID treatments and create education & outreach program	Implement project 228 together with this project	11925 BOWMAN TOWNE DR
233	Subwatershed Improvement	9	LID: New infiltration basins in LIC lot along Bowman Towne Dr., drainage area approx. 6 acres	if soils support infiltration otherwise use 234	11925 BOWMAN TOWNE DR
234	Subwatershed Improvement	1	New SW: new swm pond in LIC lot along Bowman Towne Dr., drainage area approx. 6 acres	if project 233 is unsuitable	1778 FOUNTAIN DR

235	Subwatershed Improvement	9	LID: New infiltration basins in OS/INT lot along Bowman Towne Dr., drainage area approx. 13 acres	if soils support infiltration otherwise use 236, intercept drainage from HIC area @ New Dominion PW & Fountain Dr	1815 FOUNTAIN DR
236	Subwatershed Improvement	1	New SW: new swm pond in OS/INT lot along Bowman Towne Dr., drainage area approx. 13 acres	if project 233 is unsuitable, intercept drainage from HIC area @ New Dominion PW & Fountain Dr	1815 FOUNTAIN DR
237	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		11810 FREEDOM DR
238	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		1857 FOUNTAIN DR
239	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		11870 SPECTRUM CE
240	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		11816 SPECTRUM CE
241	Subwatershed Improvement	9	LID: New infiltration basins in OS lot along Fountain Dr., drainage area approx. 13 acres	if soils support infiltration otherwise use 242, intercept drainage from HIC area across Fountain Dr	1778 FOUNTAIN DR
242	Subwatershed Improvement	1	New SW: new swm pond in OS lot along Fountain Dr., drainage area approx. 13 acres	if project 241 is unsuitable, intercept drainage from HIC area across Fountain Dr	1778 FOUNTAIN DR
243	Subwatershed Improvement	9	LID: New infiltration basins in INT lot along Cameron Glen Dr., drainage area approx. 6 acres	if soils support infiltration otherwise use 244, intercept drainage from INT area along Cameron Glen Dr	12000 BOWMAN TOWNE DR
244	Subwatershed Improvement	1	New SW: new swm pond in OS lot along Cameron Glen Dr., drainage area approx. 6 acres	if project 243 is unsuitable, intercept drainage from HIC area along Cameron Glen Dr	12000 BOWMAN TOWNE DR

Subwatershed SU-SU-0038 **Watershed:** Sugarland **Management Area:** Sugarland - Upper Middle

Description Primarily MDR w/ some LDR, large OS parcels protecting riparian corridor, extensive SW pipe network but no SWM treatment **Impairments** Public comments indicate flooding & inadequate SWM, uncontrolled runoff directed to streams, high impervious, poor water quality

Restoration Selection Criteria Public Involvement **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff and improve water quality

Percent Impervious 24.39%

Temporary Project ID	Strategy	Project Type	Description of Project	Comments	Nearest Address
203	Subwatershed Improvement	9	LID: New infiltration basins in OS lot, drainage area approx. 6 acres	intercept outfalls from adjacent MDR area, if soils support infiltration otherwise use 204	401 CAVENDISH ST
204	Subwatershed Improvement	1	New SW: new swm pond in OS lot, drainage area approx. 6 acres	intercept outfalls from adjacent MDR area, if project 203 is unsuitable	401 CAVENDISH ST
205	Subwatershed Improvement	1	New SW: new swm pond in OS lot, drainage area approx. 42 acres	intercept outfalls from adjacent MDR area	1108 CRITON ST
206	Subwatershed Improvement	9	LID: New infiltration basins in OS lot, drainage area approx. 6 acres	intercept outfalls from adjacent MDR area, if soils support infiltration otherwise use 208	400 QUEENS ROW ST
207	Subwatershed Improvement	1	New SW: new swm pond in OS lot, drainage area approx. 6 acres	intercept outfalls from adjacent MDR area, if project 207 is unsuitable	401 QUEENS ROW ST
208	Subwatershed Improvement	9	LID: New infiltration basins in OS lot, drainage area approx. 18 acres	intercept outfalls from adjacent MDR/LDR area, if soils support infiltration otherwise use 209, may need 2 basins	12024 CREEKBEND DR
209	Subwatershed Improvement	1	New SW: new swm pond in OS lot, drainage area approx. 18 acres	intercept outfalls from adjacent MDR area, if project 208 is unsuitable	12018 CREEKBEND DR
210	Subwatershed Improvement	9	LID: New infiltration basins in OS lot, drainage area approx. 18 acres	intercept outfalls from adjacent MDR/LDR area, if soils support infiltration otherwise use 209, may need 2 basins	12097 WALNUT BRANCH RD

211	Subwatershed Improvement	1	New SW: new swm pond in OS lot, drainage area approx. 18 acres	intercept outfalls from adjacent MDR area, if project 208 is unsuitable, potential for wet pond/wetland depending on base flow	12157 PURPLE SAGE CT
212	Non-Structural		Targeted rain barrel program @ Hunter's Creek Sec. 2		1104 CLARKE ST
213	Non-Structural		Targeted rain barrel program @ Reston Sec. 49		12039 CREEKBEND DR
214	Preservation		Conservation easement to preserve riparian buffer		12048 CREEKBEND DR

Subwatershed SU-SU-0039 **Watershed:** Sugarland **Management Area:** Sugarland - Upper Middle

Description Mostly MDR, some LDR, HIC & HDR along southern part of watershed, INT in northwest part, ESR adjacent to stream on east side, 2 DP **Impairments** high impervious, high SW outfalls, poor water quality

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff and improve water quality

Percent Impervious 31.93%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
245	Stream Restoration	2	Stabilize failing stream banks		409 QUEENS ROW ST
246	Subwatershed Improvement	9	LID: New infiltration basins in OS lot east of Herndon Pkwy, drainage area approx. 10 acres	if soils support infiltration otherwise use 247, intercept drainage from Hunters Creek HOA along Merlins Lane.	115 HERNDON PW
247	Subwatershed Improvement	1	New SW: new swm pond in OS lot east of Herndon Pkwy, drainage area approx. 10 acres	if project 246 is unsuitable, intercept drainage from Hunters Creek HOA along Merlins Lane.	115 HERNDON PW
248	Subwatershed Improvement	1	New SW: new swm pond in OS lot east of Herndon Pkwy, drainage area approx. 40 acres	depending on base flow, may be wet pond or constructed wetland	903 LEONA LA
249	Subwatershed Improvement	9	LID: retrofit dry pond adjacent to Leona Lane to naturalized infiltration basin	if soils support infiltration, if not use project 250	917 LEONA LA
250	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond adjacent to Leona Lane to naturalized dry basin	if project 249 unsuitable	917 LEONA LA
251	Subwatershed Improvement	8	Improve drainage channel and outfalls from Reneau Wy.		371 RENEAU WY
252	Subwatershed Improvement	9	LID: New infiltration basin in athletic field off Reston Pkwy. drainage area approx 6 ac.		504 WOODSHIRE LA
253	Subwatershed Improvement	9	LID: New infiltration basin in INT lot off Dranesville Rd, drainage area approx 13 ac.	if soils support infiltration, if not use project 254	529 MERLINS LA
254	Subwatershed Improvement	1	New SW: New SWM pond in INT lot off Dranesville Rd, drainage area approx 13 ac.	if project 253 unsuitable	529 MERLINS LA

255	Subwatershed Improvement	9	LID: retrofit dry pond in INT lot off Park Ave. to naturalized infiltration basin	if soils support infiltration, if not use project 256	902 GRANT ST
256	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond in INT lot off Park Ave. to naturalized dry basin	if project 255 unsuitable	603 DRANESVILLE RD
257	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	Implement project 258 together with this project	651 DRANESVILLE RD
258	Non-Structural		Non-structural: provide informational signs at LID treatments and create education & outreach program	Implement project 257 together with this project	651 DRANESVILLE RD
259	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.	Implement project 260 together with this project	670 DRANESVILLE RD
260	Non-Structural		Non-structural: provide informational signs at LID treatments and create education & outreach program	Implement project 259 together with this project	630 DRANESVILLE RD
261	Non-Structural		Targeted rain barrel program @ Treeside Sec. 1, Sugar Land Heights & Yount Subdivision		815 GRANT ST
262	Non-Structural		Targeted rain barrel program @ Potomac Fairways, Ashburn, The Villages, Chelmsford, & Chasa Goettling Subdivision		905 N GUNNELL CT
263	Non-Structural		Targeted rain barrel program @ Hunters Creek HOA		503 PEMBROOK CT

Subwatershed SU-SU-0040 **Watershed:** Sugarland **Management Area:** Sugarland - Upper Middle

Description Highly developed subwatershed w/ MDR, HDR, LIC, & HIC, ESR slated for OS, OS along riparian corridor, some IND in south, 2 DP, Elden St (Rte 606), Faifax County Pkwy. (Rte 7100) **Impairments** Flooding - non-residential bldg & road crossing, SW controls needed on VDOT property, blocked culverts fr field recon, high impervious, deficient stream buffers, poor water quality

Restoration Selection Criteria SW Ranking, Public Involvement, Flooding **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff, improve drainage and improve water quality, remove culvert obstructions

Percent Impervious 38.55%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
264	Subwatershed Improvement	9	LID: New infiltration basin in OS lot west of Herndon Pkwy, drainage area approx. 5 acres	if soils support infiltration otherwise use 265	200 HERNDON PW
265	Subwatershed Improvement	1	New SW: new swm pond in OS lot west of Herndon Pkwy, drainage area approx. 5 acres	if project 265 is unsuitable	200 HERNDON PW
266	Subwatershed Improvement	9	LID: New infiltration basin in OS lot off of Laurel Way, drainage area approx. 6.25 acres	if soils support infiltration otherwise use 267, intercept outfalls from Laurel Way	192 LAUREL WY
267	Subwatershed Improvement	1	New SW: new swm pond in OS lot off of Laurel Way, drainage area approx. 6.25 acres	if project 266 is unsuitable, intercept outfalls from Laurel Way	188 LAUREL WY
268	Subwatershed Improvement	9	LID: New infiltration basin in OS lot east of Herndon Pkwy, drainage area approx. 10 acres	if soils support infiltration otherwise use 269, intercept outfall from Crestview Sec. 1	702 TAMARACK WY
269	Subwatershed Improvement	1	New SW: new swm pond in OS lot east of Herndon Pkwy, drainage area approx. 10 acres	if project 268 is unsuitable, intercept outfall from Crestview Sec. 1	700 TAMARACK WY
270	Subwatershed Improvement	8	Improve drainage channel and outfalls from Crestview Sec. 1 development		700 TAMARACK WY
271	Stream Restoration	2	Stabilize and repair eroding banks at SPA erosion points SUSU023-E001		126 LAUREL WY
272	Subwatershed Improvement	9	LID: retrofit dry pond 1456DP to naturalized infiltration basin	if soils support infiltration, if not use project 273	1748 STUART POINTE LA
273	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond 1456DP to naturalized dry basin	if project 272 unsuitable	1748 STUART POINTE LA

274	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		150 ELDEN ST
275	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		108 ELDEN ST
276	Subwatershed Improvement	9	LID: New LID treatments around parking lot, driveways, between buildings - infiltration trenches, bioretention, filter strips, swales, green roofs, cisterns etc.		171 ELDEN ST
277	Subwatershed Improvement	9	LID: retrofit dry pond VDOT29039 to naturalized infiltration basin	if soils support infiltration, if not use project 279	1704 LAKE SHORE CREST DR
278	Subwatershed Improvement	1	SW Retrofit: Retrofit dry pond VDOT29039 to naturalized dry basin	if project 278 unsuitable	1704 LAKE SHORE CREST DR
279	Non-Structural		Targeted rain barrel program @ Crestview Sec. 1 & Runnymede Manor		762 CORDELL WY
280	Non-Structural		Targeted rain barrel program @ Stuart Woods, Reston Sec. 49 & Towns at Stuart Pointe		12113 WALNUT BRANCH RD

Subwatershed SU-SU-0046 **Watershed:** Sugarland **Management Area:** Sugarland-Headwaters

Description Primarily LIC with some IND, HDR, HIC and GC, includes Dulles Access Rd (Rte 267). SW piping in most dev areas, 5DP, multiple WP **Impairments** Flooding with stream impairments, poor water quality and poor habitat

Restoration Selection Criteria SW Ranking, Flooding **Preservation Qualities** Undeveloped wooded areas in LIC

Preservation Selection Criteria **Improvement Goals** Stabilize/repair stream impacts, improve water quality

Percent Impervious 54.18%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M35	Subwatershed Improvement	1	New infiltration basin, drainage area approx. 20 acres	If not suitable for infiltration, see project M36	12203 SUNRISE VALLEY DR
M36	Subwatershed Improvement	1	New naturalized dry pond, drainage area approx. 20 acres	Only if site is not suitable for infiltration project M35	12203 SUNRISE VALLEY DR
M37	Subwatershed Improvement	9	Retrofit dry pond DP0007 to naturalized dry pond		12018 SUNRISE VALLEY DR
M38	Subwatershed Improvement	9	Retrofit dry pond DP0202 to naturalized dry pond		11854 SUNRISE VALLEY DR
M39	Subwatershed Improvement	9	Retrofit dry pond DP0511 to naturalized dry pond		12010 SUNRISE VALLEY DR
M40	Subwatershed Improvement	9	Retrofit dry pond DP0372 to naturalized dry pond		2000 EDMUND HALLEY DR
M41	Subwatershed Improvement	9	Retrofit dry pond DP0389 to naturalized dry pond		2055 MERCATOR DR
M42	Subwatershed Improvement	1	New infiltration basin, drainage area approx. 20 acres	If not suitable for infiltration, see project M43	2055 MERCATOR DR
M43	Subwatershed Improvement	1	New naturalized dry pond, drainage area approx. 20 acres	Only if site is not suitable for infiltration project M42	2055 MERCATOR DR

Subwatershed SU-SU-0047 **Watershed:** Sugarland **Management Area:** Sugarland-Headwaters

Description Combination of MDR, LIC, IND and OS, includes Dulles Access Rd (Rte 267). Some SW piping, 1DP, 2WP, 1RT. **Impairments** Some flooding with stream impairments and poor habitat

Restoration Selection Criteria SW Ranking, Flooding **Preservation Qualities** Undeveloped wooded areas in LIC and IND

Preservation Selection Criteria **Improvement Goals** Stabilize/repair stream impacts, improve water quality

Percent Impervious 33.61%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M26	Non-Structural Measures		Rain barrel campaign for Polo Fields HOA		2326 CLUB POND LA
M27	Stream Restoration	2	Remove paved ditch and restore naturalized stream	Good educational opportunity, signs	2326 CLUB POND LA
M28A	Low Impact Development Retrofits	0	New infiltration basin, drainage area approx. 5 acres	If not suitable for infiltration, see project M28B	2328 CLUB POND LA
M28B	Low Impact Development Retrofits	0	New naturalized dry pond, drainage area approx. 5 acres	Only if site is not suitable for infiltration project M28A	2439 FOX MILL RD
M28C	Low Impact Development Retrofits	0	New infiltration basin, drainage area approx. 7 acres	If not suitable for infiltration, see project M28D	2439 FOX MILL RD
M28D	Low Impact Development Retrofits	0	New naturalized dry pond, drainage area approx. 7 acres	Only if site is not suitable for infiltration project M28C	12707 HITCHCOCK CT
M28E	Low Impact Development Retrofits	0	New infiltration basin, drainage area approx. 6 acres	If not suitable for infiltration, see project M28F	2323 DARIUS LA
M28F	Low Impact Development Retrofits	0	New naturalized dry pond, drainage area approx. 6 acres	Only if site is not suitable for infiltration project M28E	2325 DARIUS LA
M28G	Low Impact Development Retrofits	0	New infiltration basin, drainage area approx. 5 acres	If not suitable for infiltration, see project M28H	12701 THUNDER CHASE DR
M28H	Low Impact Development Retrofits	0	New naturalized dry pond, drainage area approx. 5 acres	Only if site is not suitable for infiltration project M28G	12701 THUNDER CHASE DR
M28I	Low Impact Development Retrofits	0	New infiltration basin, drainage area approx. 6 acres	If not suitable for infiltration, see project M28J	12617 BAYARD DR
M28J	Low Impact Development Retrofits	0	New naturalized dry pond, drainage area approx. 6 acres	Only if site is not suitable for infiltration project M28I	12617 BAYARD DR
M28K	Low Impact Development Retrofits	0	New infiltration basin, drainage area approx. 7 acres	If not suitable for infiltration, see project M28L	2214 STIRRUP IRON LA
M28L	Low Impact Development Retrofits	0	New naturalized dry pond, drainage area approx. 7 acres	Only if site is not suitable for infiltration project M28K	2202 STIRRUP IRON LA

M28M	Low Impact Development Retrofits	0	New infiltration basin, drainage area approx. 6 acres	If not suitable for infiltration, see project M28N	2202 STIRRUP IRON LA
M28N	Low Impact Development Retrofits	0	New naturalized dry pond, drainage area approx. 6 acres	Only if site is not suitable for infiltration project M28M	12524 SUNRISE VALLEY DR
M28O	Low Impact Development Retrofits	0	New infiltration basin, drainage area approx. 14 acres	If not suitable for infiltration, see project M28P	12707 HITCHCOCK CT
M28P	Low Impact Development Retrofits	0	New naturalized dry pond, drainage area approx. 14 acres	Only if site is not suitable for infiltration project M28O	12703 THUNDER CHASE DR
M28Q	Low Impact Development Retrofits	0	New infiltration basin, drainage area approx. 14 acres	If not suitable for infiltration, see project M28R	2206 MILBURN LA
M28R	Low Impact Development Retrofits	0	New naturalized dry pond, drainage area approx. 14 acres	Only if site is not suitable for infiltration project M28Q	12703 ROARK CT
M28S	Stormwater Facility Retrofits	0	Retrofit dry pond DP1219 to naturalized dry pond		2311 ARCHDALE RD
M29	Stream Restoration	2	Remove paved ditch and restore naturalized stream	Good educational opportunity, signs	12707 HITCHCOCK CT
M30	Stream Restoration	2	Remove paved ditch and restore naturalized stream		2206 MILBURN LA
M31	Stream Restoration	2	Remove paved ditch and restore naturalized stream		2206 MILBURN LA
M32	Stream Restoration	2	Remove paved ditch and restore naturalized stream		2214 STIRRUP IRON LA
M33	Stream Restoration	2	Remove paved ditch and restore naturalized stream		12617 BAYARD DR

Subwatershed SU-SU-0048 **Watershed:** Sugarland **Management Area:** Sugarland-Headwaters

Description Combination of MDR, LIC and IND with some HDR. Extensive SW piping, 2DP, 1WP, 1BMP. **Impairments** Flooding with stream impairments, poor water quality and poor habitat, High Imperv.

Restoration Selection Criteria SW Ranking, Flooding **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff, stabilize/repair stream impacts, improve water quality

Percent Impervious 57.66%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M20	Subwatershed Improvement	9	Porous pavers, infiltration and roof-top retrofit for Reston and Sunrise Professional Center		12502 SUNRISE VALLEY DR
M21	Subwatershed Improvement	9	Porous pavers, infiltration and roof-top retrofit		12502 SUNRISE VALLEY DR
M22	Subwatershed Improvement	9	Retrofit dry pond DP0164 to naturalized dry pond		12290 SUNRISE VALLEY DR
M23	Subwatershed Improvement	9	Retrofit dry pond DP0388 to naturalized dry pond, remove low-flow concrete channel		12307 TIGERS EYE CT
M25	Non-Structural Measures		Rain barrel campaign for Polo Fields HOA		12713 HITCHCOCK CT

Subwatershed SU-SU-0049 **Watershed:** Sugarland **Management Area:** Sugarland-Headwaters

Description Combination of MDR, HDR, LIC and OS. Dev areas have some SW piping. No SW management. **Impairments** Some flooding with stream impairments, poor water quality and poor habitat

Restoration Selection Criteria SW Ranking, Flooding **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Stabilize/repair stream impacts, improve water quality

Percent Impervious 33.22%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M14	Subwatershed Improvement	1	New infiltration trench or boi retention basin.		12263 LAUREL GLADE CT
M15	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 3 acres		2251 SANIBEL DR
M16	Subwatershed Improvement	1	New infiltration basin, drainage area approx 8 acres		12274 ANGEL WING CT
M17	Subwatershed Improvement	1	New infiltration basin, drainage area approx 3 acres		2293 ARCHDALE RD
M18	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 5 acres		2287 COCQUINA DR
M19	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 4 acres		12300 SUNRISE VALLEY DR
M24	Stream Restoration	2	Remove paved ditch and restore naturalized stream	Good educational opportunity, signs	12500 CROSS COUNTRY LA

Subwatershed SU-SU-0050 **Watershed:** Sugarland **Management Area:** Sugarland-Headwaters

Description Primarily LDR & MDR with some HDR, OS, INT & LIC. Some OS slated for MDR. Dev areas have some SW piping, 2DP, 1BMP **Impairments** Some flooding with stream impairments and poor water quality

Restoration Selection Criteria SW Ranking **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Capture impervious runoff, stabilize/repair stream impacts, improve water quality

Percent Impervious 25.38%

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M1	Subwatershed Improvement	9	Retrofit dry pond DP0160 to naturalized dry pond	will compliment project M2	2501 FOX MILL RD
M2	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 8 acres	will compliment project M1	12515 KINGS LAKE DR
M3	Subwatershed Improvement	9	Retrofit dry pond 1448DP to infiltration basin or naturalized dry pond		12394 BROWN FOX WY
M4	Stream Restoration	2	Drainage improvement - Replace existing concrete culvert with natural drainage channel		2351 BEDFORDSHIRE CI
M5	Subwatershed Improvement	1	New infiltration basin, drainage area approx 4 acres		2339 BEDFORDSHIRE CI
M6	Subwatershed Improvement	1	New infiltration basin, drainage area approx. 10 acres	If not suitable for infiltration, see project M28L	2311 ARCHDALE RD
M7	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 7 acres		12368 LIMA LA

Subwatershed SU-SU-0051 **Watershed:** Sugarland **Management Area:** Sugarland-Headwaters

Description Combination of LDR, MDR, HDR, LIC and OS. Dev areas have extensive SW piping. 1 DP, 1 WP. **Impairments** Poor habitat, poor water quality

Restoration Selection Criteria **Preservation Qualities**

Preservation Selection Criteria **Improvement Goals** Improve water quality

Percent Impervious

<i>Temporary Project ID</i>	<i>Strategy</i>	<i>Project Type</i>	<i>Description of Project</i>	<i>Comments</i>	<i>Nearest Address</i>
M10	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 3 acres		2401 ANDORRA PL
M11	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 3 acres		2226 LOFTY HEIGHTS PL
M12	Stream Restoration	2	Drainage improvement - Replace existing concrete culvert with natural drainage channel		12331 COLERAINE CT
M13	Subwatershed Improvement	1	New constructed wetland or wet pond, drainage area approx 12 acres		12262 LAUREL GLADE CT
M8	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 6 acres		2529 FREETOWN DR
M9	Subwatershed Improvement	1	New infiltration basin, may or may not include swale, drainage area approx 2 acres		2402 FREETOWN DR