

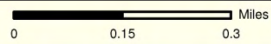


ROCK CREEK UPPER/LOWER

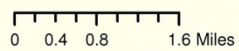


Legend

-  Stormwater LID Retrofit Sites
-  Rock Creek boundary
-  Combined Sewer System
-  Waterbodies
-  DC Parks & Recreation
-  National Park Service
-  Federal Government



Scale: 1:104,670



Source:

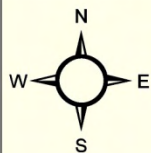
District Department of the Environment

Prepared by: DDOE WPD

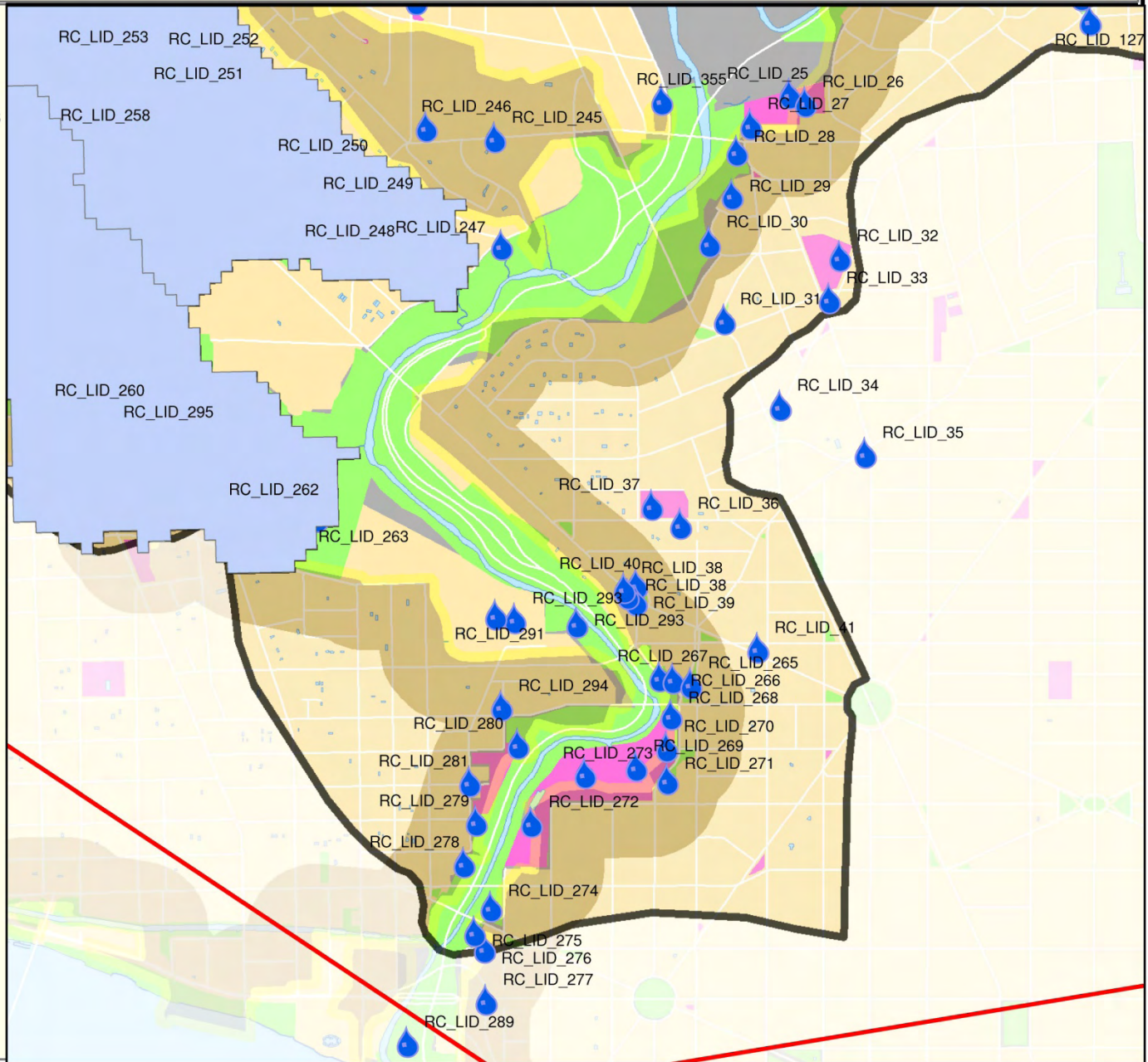
Date: July 31, 2010

Coordinate System:

NAD 1983 StatePlane Maryland FIPS 1900



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PROJECT_NUMBER RC_LID_024
SITE_LOCATION Walter Pierce Park NW - Adams Mill Road and Ontario Place, NW

ADC_MAP_LOCATION 5528_C3
DRAINAGE_AREA_SIZE_(ACRES) 1.3
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District
DESCRIPTION_OF_EXISTING_CONDTIONS Playing field mostly exposed soil, channeling is evident, some grass

PROJECT_DESCRIPTION Regrade field. Install cistern to irrigate grass field or Astroturf field with rain garden for treatment.

ESTIMATED_COST \$110,500.00
PROJECT_RANKING_EDUCATION high
PROJECT_RANKING_ENVIRONMENT high
PROJECT_RANKING_INSTALLATION High



PROJECT_NUMBER RC_LID_025
SITE_LOCATION Walter Pierce Park - Adams Mill Road and Ontario Place, NW

ADC_MAP_LOCATION 5528_C3
DRAINAGE_AREA_SIZE_(ACRES) 0.499669
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District
DESCRIPTION_OF_EXISTING_CONDITIONS Steep slope covered in invasive plants and some grass.

PROJECT_DESCRIPTION Remove invasive plants and reforest slope, slope stabilization using silt socks

ESTIMATED_COST \$17,488.00
PROJECT_RANKING_EDUCATION medium
PROJECT_RANKING_ENVIRONMENT high
PROJECT_RANKING_INSTALLATION high



PROJECT_NUMBER RC_LID_026
SITE_LOCATION Walter Pierce Park - Adams Mill Road and Ontario Place, NW

ADC_MAP_LOCATION 5528_C3
DRAINAGE_AREA_SIZE_(ACRES) 1.568772
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District
DESCRIPTION_OF_EXISTING_CONDITIONS Playground area: Some trees, paved pathways, playground and seating

PROJECT_DESCRIPTION Reduce paved areas and replace pavement with porous surface, and bioretention at corner near basketball court

ESTIMATED_COST \$54,907.00
PROJECT_RANKING_EDUCATION high
PROJECT_RANKING_ENVIRONMENT high
PROJECT_RANKING_INSTALLATION high

PROJECT_NUMBER RC_LID_027
SITE_LOCATION Walter Pierce Park, Calvert Street entrance

ADC_MAP_LOCATION 5528_C3
DRAINAGE_AREA_SIZE_(ACRES) 1.0334
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District
DESCRIPTION_OF_EXISTING_CONDITIONS Sheet flow from WASA bus area and paved entrance causing slope erosion near entrance to the park.

PROJECT_DESCRIPTION Regenerative stormwater conveyance to repair existing erosion problem and bioretention to treat sheet flow from pathway and bus turnaround. Pervious paving for bus area.

ESTIMATED_COST \$36,169.00
PROJECT_RANKING_EDUCATION medium
PROJECT_RANKING_ENVIRONMENT high
PROJECT_RANKING_INSTALLATION low



PROJECT_NUMBER RC_LID_028
SITE_LOCATION NPS land South side of Calvert Street East of Duke Ellington Bridge

ADC_MAP_LOCATION 5528_C3
DRAINAGE_AREA_SIZE_(ACRES) 0.4553517
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District/NPS
DESCRIPTION_OF_EXISTING_CONDITIONS Grass and tree park space

PROJECT_DESCRIPTION Bioretention to treat stormwater off of Biltmore Street in park area.
Additional tree planting.

ESTIMATED_COST \$38,705.00
PROJECT_RANKING_EDUCATION high
PROJECT_RANKING_ENVIRONMENT high
PROJECT_RANKING_INSTALLATION low



PROJECT_NUMBER RC_LID_029
SITE_LOCATION DDOT Alley off of Biltmore Street and private parking for Rockledge apartments

ADC_MAP_LOCATION 5528_C3
DRAINAGE_AREA_SIZE_(ACRES) 0.1996061
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District
DESCRIPTION_OF_EXISTING_CONDITIONS Concrete paved alley that drains toward park

PROJECT_DESCRIPTION Remove the last 5 feet of the alley and replace with bioretention cell.

ESTIMATED_COST \$16,967.00
PROJECT_RANKING_EDUCATION low
PROJECT_RANKING_ENVIRONMENT medium
PROJECT_RANKING_INSTALLATION high



PROJECT_NUMBER RC_LID_030
SITE_LOCATION Park at corner of Allen Place and Waterside Drive NW

ADC_MAP_LOCATION 5528_C3
DRAINAGE_AREA_SIZE_(ACRES) 1.469128
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District/NPS
DESCRIPTION_OF_EXISTING_CONDITIONS Grass park area with some trees.

PROJECT_DESCRIPTION Bioretention to treat stormwater runoff from Allen Place and Waterside Drive

ESTIMATED_COST \$51,419.00
PROJECT_RANKING_EDUCATION medium
PROJECT_RANKING_ENVIRONMENT high
PROJECT_RANKING_INSTALLATION low



PROJECT_NUMBER RC_LID_031
SITE_LOCATION The Carthage - 2301 Connecticut Avenue NW

ADC_MAP_LOCATION 5528_C3
DRAINAGE_AREA_SIZE_(ACRES) 0.3638607
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District/NPS
DESCRIPTION_OF_EXISTING_CONDITIONS Mowed grass area owned by NPS off Connecticut

PROJECT_DESCRIPTION Bioretention to treat stormwater runoff from Connecticut Avenue

ESTIMATED_COST \$12,735.00
PROJECT_RANKING_EDUCATION medium
PROJECT_RANKING_ENVIRONMENT high
PROJECT_RANKING_INSTALLATION low



PROJECT_NUMBER
SITE_LOCATION

RC_LID_032
Kalorama Park - 1875 Kalorama Rd NW

ADC_MAP_LOCATION
DRAINAGE_AREA_SIZE_(ACRES)
APPROXIMATE_IMPVIOUSNESS
OWNERSHIP
DESCRIPTION_OF_EXISTING_CONDITONS

5528_C3
0.7609002
0.00%
District
Concrete sitting area with some landscaped areas and small shade trees

PROJECT_DESCRIPTION

Reduction in impervious surface, replace paved areas with pervious surfaces, plant large shade trees and bayscaping.

ESTIMATED_COST
PROJECT_RANKING_EDUCATION
PROJECT_RANKING_ENVIRONMENT
PROJECT_RANKING_INSTALLATION

\$64,677.00
medium
high
high



PROJECT_NUMBER RC_LID_033
SITE_LOCATION Triangle Park - Kalorama Road NW and 19th Street NW

ADC_MAP_LOCATION 5528_C3
DRAINAGE_AREA_SIZE_(ACRES) 0.2782172
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District/NPS
DESCRIPTION_OF_EXISTING_CONDITIONS Paved sitting area with landscaped edges.

PROJECT_DESCRIPTION Install bioretention cell to treat water off of Columbia Road and in triangle, reduce impervious surfaces, and plant shade trees.

ESTIMATED_COST \$9,738.00
PROJECT_RANKING_EDUCATION high
PROJECT_RANKING_ENVIRONMENT medium
PROJECT_RANKING_INSTALLATION low



PROJECT_NUMBER
SITE_LOCATION

RC_LID_034
Traffic Triangle - Columbia Road, NW & California St, NW

ADC_MAP_LOCATION
DRAINAGE_AREA_SIZE_(ACRES)
APPROXIMATE_IMPERVIOUSNESS
OWNERSHIP
DESCRIPTION_OF_EXISTING_CONDITIONS

5528-C4
5.408942E-02
0.00%
District
Triangle with brick pavers for pedestrian crossing. Painted expansion of triangle at road level.

PROJECT_DESCRIPTION

Green bump out to treat water coming from slope from California St. NW. Expand size of island by reducing impervious surface in roadway.

ESTIMATED_COST
PROJECT_RANKING_EDUCATION
PROJECT_RANKING_ENVIRONMENT
PROJECT_RANKING_INSTALLATION

\$1,893.00
high
medium
medium



PROJECT_NUMBER RC_LID_035
SITE_LOCATION Triangle park - Florida Ave, NW, T St. NW. and 19th St, NW.

ADC_MAP_LOCATION 5528-C4
DRAINAGE_AREA_SIZE_(ACRES) 0.133694
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District
DESCRIPTION_OF_EXISTING_CONDITIONS Young trees planted in traffic triangle.

PROJECT_DESCRIPTION Bioretention to treat water coming from Florida Ave and 19th St, NW

ESTIMATED_COST \$4,679.00
PROJECT_RANKING_EDUCATION medium
PROJECT_RANKING_ENVIRONMENT high
PROJECT_RANKING_INSTALLATION medium



PROJECT_NUMBER RC_LID_036
SITE_LOCATION Spanish Steps Park - 22nd Street NW & S Street NW

ADC_MAP_LOCATION 5528-B4
DRAINAGE_AREA_SIZE_(ACRES) 0.3816372
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District/NPS
DESCRIPTION_OF_EXISTING_CONDITIONS Impervious pavers and fountain below.

PROJECT_DESCRIPTION Replace concrete with porous pavers and/or install cistern to fill fountains at "Spanish Steps" in order to treat runoff from S Street, NW. Remove invasive English Ivy and replace with native ground cover crops.

ESTIMATED_COST \$13,357.00
PROJECT_RANKING_EDUCATION low
PROJECT_RANKING_ENVIRONMENT medium
PROJECT_RANKING_INSTALLATION medium



PROJECT_NUMBER
SITE_LOCATION

RC_LID_037
Mitchell Park - 1801 23rd St NW

ADC_MAP_LOCATION
DRAINAGE_AREA_SIZE_(ACRES)
APPROXIMATE_IMPERVIOUSNESS
OWNERSHIP

5528_B4
1.171623
0.00%
District

DESCRIPTION_OF_EXISTING_CONDITONS

DPR Recreation center with ball fields, recreation building, basketball courts, gardens, pathways and impervious play area. DPR has ongoing improvement projects on park.

PROJECT_DESCRIPTION

Cistern installation at recreation center to water surrounding gardens. Pervious pavement for walkways & ball courts. Bioretention around drain points.

ESTIMATED_COST

\$41,007.00

PROJECT_RANKING_EDUCATION

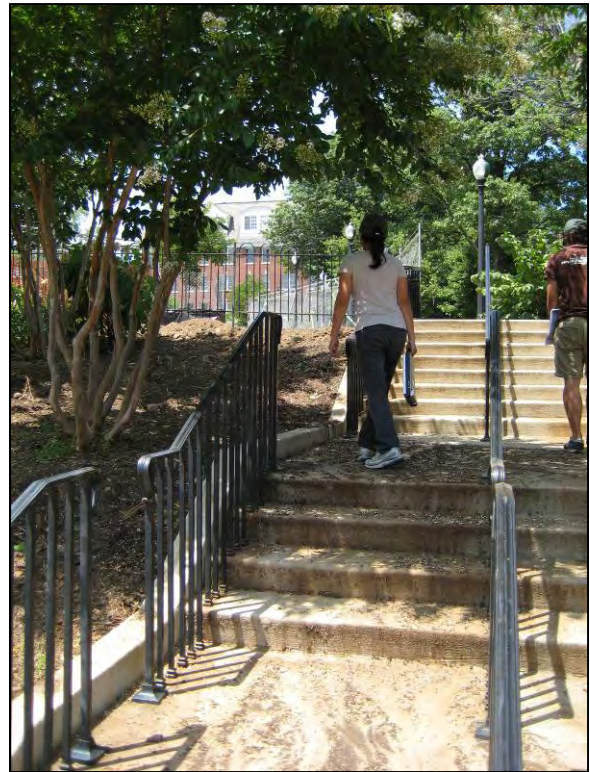
medium

PROJECT_RANKING_ENVIRONMENT

low

PROJECT_RANKING_INSTALLATION

medium



PROJECT_NUMBER	RC_LID_038
SITE_LOCATION	Triangle park - Sheridan Circle, Massachusetts Ave, NW
ADC_MAP_LOCATION	5528_B5
DRAINAGE_AREA_SIZE_(ACRES)	8.878136E-02
APPROXIMATE_IMPERVIOUSNESS	0.00%
OWNERSHIP	District
DESCRIPTION_OF_EXISTING_CONDNTIONS	Grass triangle on the west side of Sheridan Circle with a concrete walkway. Painted extension of triangle at road level.
PROJECT_DESCRIPTION	Bioretention cell to treat water runoff from west end of circle to Mass. Ave, NW. Removal of impervious surface to expand size of island.
ESTIMATED_COST	\$3,107.00
PROJECT_RANKING_EDUCATION	medium
PROJECT_RANKING_ENVIRONMENT	high
PROJECT_RANKING_INSTALLATION	high



PROJECT_NUMBER RC_LID_039
SITE_LOCATION Sheridan Circle Park - Sheridan Circle and Massachusetts Ave, NW

ADC_MAP_LOCATION 5528_B5
DRAINAGE_AREA_SIZE_(ACRES) 0.5066563
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District/NPS
DESCRIPTION_OF_EXISTING_CONDITIONS Grass and few trees in circle.

PROJECT_DESCRIPTION Reforestation of large shade trees. Add bioretention to treat circle park.

ESTIMATED_COST \$17,733.00
PROJECT_RANKING_EDUCATION low
PROJECT_RANKING_ENVIRONMENT low
PROJECT_RANKING_INSTALLATION medium



PROJECT_NUMBER
SITE_LOCATION

RC_LID_040
Street parking strip north side of Sheridan Circle, NW

ADC_MAP_LOCATION
DRAINAGE_AREA_SIZE_(ACRES)
APPROXIMATE_IMPERVIOUSNESS
OWNERSHIP

5528_B5
0.1425023
0.00%
District

DESCRIPTION_OF_EXISTING_CONDITONS Weedy strip of curb and grass on the north side of Sheridan Circle

PROJECT_DESCRIPTION

Bioretention to treat runoff from Sheridan Circle traffic.

ESTIMATED_COST

\$4,988.00

PROJECT_RANKING_EDUCATION

medium

PROJECT_RANKING_ENVIRONMENT

high

PROJECT_RANKING_INSTALLATION

high



PROJECT_NUMBER	RC_LID_041
SITE_LOCATION	Triangle park - 21st Street, NW, Massachusetts Ave, NW, and Q Street, NW
ADC_MAP_LOCATION	5528_C5
DRAINAGE_AREA_SIZE_(ACRES)	0.1514539
APPROXIMATE_IMPERVIOUSNESS	0.00%
OWNERSHIP	NPS
DESCRIPTION_OF_EXISTING_CONDITIONS	Gandhi statue with grass field and few young trees.
PROJECT_DESCRIPTION	Bayscaping for attracting native wildlife to the park.
ESTIMATED_COST	\$12,874.00
PROJECT_RANKING_EDUCATION	medium
PROJECT_RANKING_ENVIRONMENT	low
PROJECT_RANKING_INSTALLATION	low

PROJECT_NUMBER RC_LID_245
SITE_LOCATION Calvert Street NW between 29th Street NW and Connecticut Avenue NW

ADC_MAP_LOCATION 5528_A3
DRAINAGE_AREA_SIZE_(ACRES) 0.4616146
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District
DESCRIPTION_OF_EXISTING_CONDITIONS Brick paved island in center of Calvert Street NW between 29th Street NW and Connecticut Avenue NW

PROJECT_DESCRIPTION Remove brick from island and replace with trees and grass. Install bioretention to capture runoff from Calvert Street NW

ESTIMATED_COST \$39,237.00
PROJECT_RANKING_EDUCATION High
PROJECT_RANKING_ENVIRONMENT High
PROJECT_RANKING_INSTALLATION High



PROJECT_NUMBER
SITE_LOCATION

RC_LID_246
Oyster Bilingual Elementary - 2801 Calvert St NW

ADC_MAP_LOCATION
DRAINAGE_AREA_SIZE_(ACRES)
APPROXIMATE_IMPERVIOUSNESS
OWNERSHIP
DESCRIPTION_OF_EXISTING_CONDITIONS

5528_A3
0.9435085
0.00%
District
School is flat roofed with internal downspouts. Playground and exterior is 100 percent paved. Drains to area drain. A couple of small tree boxes are present.

PROJECT_DESCRIPTION

Install bioretention near area drain. Remove impervious surfaces and replace with pervious ones. Green roof. Tree planting.

ESTIMATED_COST
PROJECT_RANKING_EDUCATION
PROJECT_RANKING_ENVIRONMENT
PROJECT_RANKING_INSTALLATION

\$80,198.00
High
Medium
High



PROJECT_NUMBER	RC_LID_265
SITE_LOCATION	Triangle park - P Street NW 23rd Street NW, 22nd Street, NW
ADC_MAP_LOCATION	5528_B5
DRAINAGE_AREA_SIZE_(ACRES)	0.8879248
APPROXIMATE_IMPERVIOUSNESS	0.00%
OWNERSHIP	District
DESCRIPTION_OF_EXISTING_CONDITIONS	Small triangle park with concrete walkways and concrete bench area. Some grass and trees.
PROJECT_DESCRIPTION	Reduce impervious walkways, replace with pervious pavers. Bioretention cell taking runoff from 23rd Street and 22nd Street NW. Tree planting.
ESTIMATED_COST	\$75,474.00
PROJECT_RANKING_EDUCATION	High
PROJECT_RANKING_ENVIRONMENT	High
PROJECT_RANKING_INSTALLATION	Low



PROJECT_NUMBER RC_LID_266
SITE_LOCATION Traffic triangle south of the Church of the Pilgrim - 2201 P Street NW

ADC_MAP_LOCATION 5528_B5
DRAINAGE_AREA_SIZE_(ACRES) 0.5691581
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District
DESCRIPTION_OF_EXISTING_CONDITIONS Grass triangle with curb and gutter roadways around it. Church has sloped roofs with external downspouts.

PROJECT_DESCRIPTION Close small road between triangle and church. Remove impervious surfaces and install bioretention to infiltrate water from roof of church. Tree planting.

ESTIMATED_COST \$48,378.00
PROJECT_RANKING_EDUCATION High
PROJECT_RANKING_ENVIRONMENT High
PROJECT_RANKING_INSTALLATION High



PROJECT_NUMBER	RC_LID_267
SITE_LOCATION	NPS parkland - 23rd Street NW and P Street, NW
ADC_MAP_LOCATION	5528_B5
DRAINAGE_AREA_SIZE_(ACRES)	0.6788789
APPROXIMATE_IMPERVIOUSNESS	0.00%
OWNERSHIP	District/NPS
DESCRIPTION_OF_EXISTING_CONDITIONS	Grass area with steep slope towards Beach Drive entrance ramp. Curb and gutter roadway.
PROJECT_DESCRIPTION	Install bioretention to take runoff from 23rd Street, NW. Reforestation.
ESTIMATED_COST	\$23,761.00
PROJECT_RANKING_EDUCATION	High
PROJECT_RANKING_ENVIRONMENT	High
PROJECT_RANKING_INSTALLATION	High



PROJECT_NUMBER RC_LID_268
SITE_LOCATION NPS Parkland - 23rd Street NW and P Street NW

ADC_MAP_LOCATION 5528_B5
DRAINAGE_AREA_SIZE_(ACRES) 0.6057256
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District/NPS
DESCRIPTION_OF_EXISTING_CONDITONS Slope erosion along stairs at 23rd Street NW.

PROJECT_DESCRIPTION Potential geo-grid to stabilize eroded slope and replanting.

ESTIMATED_COST \$21,200.00
PROJECT_RANKING_EDUCATION high
PROJECT_RANKING_ENVIRONMENT high
PROJECT_RANKING_INSTALLATION high



PROJECT_NUMBER
SITE_LOCATION

RC_LID_269
NPS Parkland - between 23rd Street NW P Street NW and N Street NW

ADC_MAP_LOCATION
DRAINAGE_AREA_SIZE_(ACRES)
APPROXIMATE_IMPERVIOUSNESS
OWNERSHIP

5528_B5
3.395287
0.00%
District/NPS

DESCRIPTION_OF_EXISTING_CONDITIONS

Large open parkland predominantly maintained as grass. Trees border park area along Rock Creek and lining 23rd Street NW. Tennis courts at top of slope near N Street NW

PROJECT_DESCRIPTION

Install bioretention at top of hill adjacent to tennis courts either in grass triangle or between path and tennis courts.

ESTIMATED_COST
PROJECT_RANKING_EDUCATION
PROJECT_RANKING_ENVIRONMENT
PROJECT_RANKING_INSTALLATION

\$118,835.00
High
Medium
High



PROJECT_NUMBER RC_LID_270
SITE_LOCATION NPS Parkland - between 23rd Street NW P Street NW and N Street NW

ADC_MAP_LOCATION 5528_B5
DRAINAGE_AREA_SIZE_(ACRES) 1.609304
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District/NPS
DESCRIPTION_OF_EXISTING_CONDITONS Large open parkland predominantly maintained as grass. Trees border park area along Rock Creek and lining 23rd Street NW. Tennis courts at top of slope near N Street NW. Bare soil along 23rd street.

PROJECT_DESCRIPTION Slope stabilization for slopes from 23rd Street NW and N Street NW. Removal of impervious pathways and roadway. Replacement with pervious paving. Bioretention along 23rd Street NW to treat stormwater from roadway. Reforestation.

ESTIMATED_COST \$80,465.00
PROJECT_RANKING_EDUCATION High
PROJECT_RANKING_ENVIRONMENT High
PROJECT_RANKING_INSTALLATION High



PROJECT_NUMBER	RC_LID_271
SITE_LOCATION	O Street and 23rd Street, NW. at Westbrooke Place apartment homes
ADC_MAP_LOCATION	5528_B5
DRAINAGE_AREA_SIZE_(ACRES)	0.3971789
APPROXIMATE_IMPERVIOUSNESS	0.00%
OWNERSHIP	District/Private
DESCRIPTION_OF_EXISTING_CONDITIONS	Small grass area adjacent to 23rd Street NW. Curb and gutter present.
PROJECT_DESCRIPTION	Install bioretention to take runoff from 23rd Street, NW. Tree planting.
ESTIMATED_COST	\$13,901.00
PROJECT_RANKING_EDUCATION	Low
PROJECT_RANKING_ENVIRONMENT	High
PROJECT_RANKING_INSTALLATION	High



PROJECT_NUMBER RC_LID_272
SITE_LOCATION Francis Pool - 2435 N St, NW

ADC_MAP_LOCATION 5528_B5
DRAINAGE_AREA_SIZE_(ACRES) 6.671858
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District
DESCRIPTION_OF_EXISTING_CONDITONS Pool facility with non-functioning external downspouts. Large impervious area around pool. Large open field adjacent to pool and athletic fields south of the pool. Community garden with orphaned impervious area.

PROJECT_DESCRIPTION Bioretention at south and north ends of pool to capture rooftop runoff. Remove unnecessary imperviousness by pool and adjacent to community garden space. Bioswale adjacent to 25th Street NW athletic fields. Reforest open space.

ESTIMATED_COST \$233,515.00
PROJECT_RANKING_EDUCATION High
PROJECT_RANKING_ENVIRONMENT High
PROJECT_RANKING_INSTALLATION High



PROJECT_NUMBER
SITE_LOCATION

RC_LID_273
Francis Junior High School - 2425 N St NW

ADC_MAP_LOCATION
DRAINAGE_AREA_SIZE_(ACRES)
APPROXIMATE_IMPVIOUSNESS
OWNERSHIP

5528_B5
5.645485
0.00%
District

DESCRIPTION_OF_EXISTING_CONDITONS

Large flat roof building with internal downspouts. Parking area behind that slopes to open grass field. Playground between school and recreation center.

PROJECT_DESCRIPTION

Install bioretention to capture runoff from parking lot. Bioretention by the basketball court corner to capture runoff from parking lot. Impervious reduction on concrete slope. Green roof. Tree Planting.

ESTIMATED_COST

\$479,866.00

PROJECT_RANKING_EDUCATION

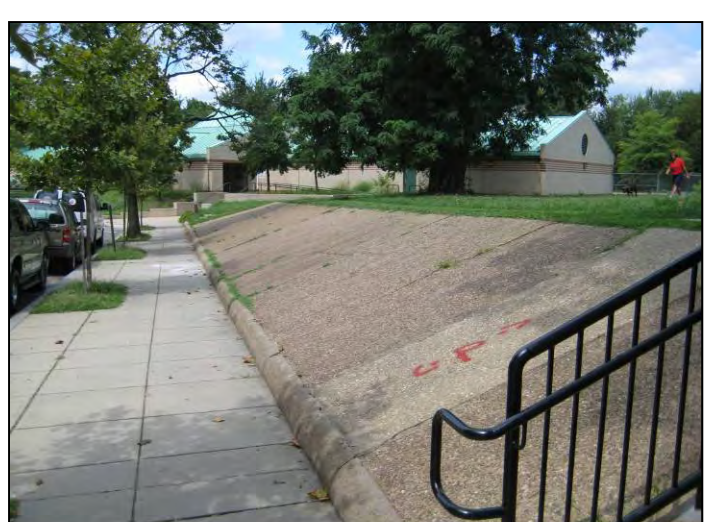
High

PROJECT_RANKING_ENVIRONMENT

High

PROJECT_RANKING_INSTALLATION

High



PROJECT_NUMBER RC_LID_274
SITE_LOCATION NPS Parkland - Pennsylvania Avenue NW, 26th Street NW and M Street NW

ADC_MAP_LOCATION 5528_B6
DRAINAGE_AREA_SIZE_(ACRES) 1.777357
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP NPS
DESCRIPTION_OF_EXISTING_CONDITIONS NPS parkland sloping towards rock creek. Street trees but only grass in park area.

PROJECT_DESCRIPTION Install bioretention to treat runoff coming from Pennsylvania Ave NW and 26th Street, NW. Reforestation.

ESTIMATED_COST \$62,207.00
PROJECT_RANKING_EDUCATION High
PROJECT_RANKING_ENVIRONMENT High
PROJECT_RANKING_INSTALLATION High



PROJECT_NUMBER	RC_LID_275
SITE_LOCATION	NPS Parkland - Pennsylvania Avenue NW by the Salvation Army building - 2626 Pennsylvania Ave NW
ADC_MAP_LOCATION	5528_B6
DRAINAGE_AREA_SIZE_(ACRES)	1.111809
APPROXIMATE_IMPERVIOUSNESS	0.00%
OWNERSHIP	NPS
DESCRIPTION_OF_EXISTING_CONDITIONS	NPS parkland sloping towards rock creek. Street trees but only grass in park area.
PROJECT_DESCRIPTION	Bioretention to capture runoff from Pennsylvania Ave. Reforestation.
ESTIMATED_COST	\$38,913.00
PROJECT_RANKING_EDUCATION	Medium
PROJECT_RANKING_ENVIRONMENT	High
PROJECT_RANKING_INSTALLATION	High

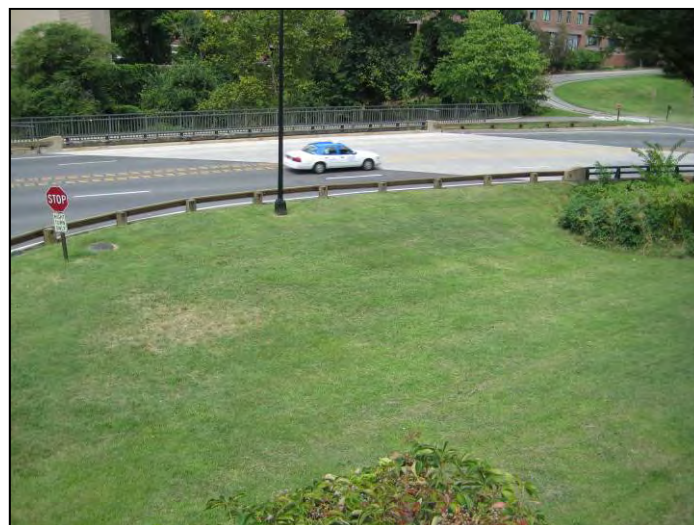


PROJECT_NUMBER RC_LID_276
SITE_LOCATION Dead end at - 2600 L St, NW

ADC_MAP_LOCATION 5528_B6
DRAINAGE_AREA_SIZE_(ACRES) 0.6444147
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP NPS/Private
DESCRIPTION_OF_EXISTING_CONDITIONS Roadway dead end with a storm drain. Open space maintained as grass behind dead end and Rock Creek Parkway.

PROJECT_DESCRIPTION Bioretention at dead end of L Street, NW to treat stormwater from L Street and Rock Creek Parkway. Tree planting.

ESTIMATED_COST \$22,555.00
PROJECT_RANKING_EDUCATION Low
PROJECT_RANKING_ENVIRONMENT High
PROJECT_RANKING_INSTALLATION Medium



PROJECT_NUMBER
SITE_LOCATION

RC_LID_277
Bioswale - off ramp from Route 66 to L Street NW

ADC_MAP_LOCATION
DRAINAGE_AREA_SIZE_(ACRES)
APPROXIMATE_IMPVIOUSNESS
OWNERSHIP

5528_B6
0.9967245
0.00%
NPS
DESCRIPTION_OF_EXISTING_CONDITIONS Moderately steep sloped roadway with some curb and gutter and some swale.

PROJECT_DESCRIPTION

Install bioswales on both sides of exit ramp from Route 66.
Bioretention at bottom of hill near storm drain.

ESTIMATED_COST
PROJECT_RANKING_EDUCATION
PROJECT_RANKING_ENVIRONMENT
PROJECT_RANKING_INSTALLATION

\$34,885.00
Low
High
High



PROJECT_NUMBER RC_LID_278
SITE_LOCATION NPS Parkland - Olive Street NW and 27th Street, NW

ADC_MAP_LOCATION 5528_B5
DRAINAGE_AREA_SIZE_(ACRES) 1.123666
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP NPS
DESCRIPTION_OF_EXISTING_CONDITIONS Depressed area adjacent to roadway and apartment complex with external downspouts. Maintained as grass.

PROJECT_DESCRIPTION Install bioretention to treat stormwater from 27th Street NW, Olive Street NW and apartment complex.

ESTIMATED_COST \$39,328.00
PROJECT_RANKING_EDUCATION high
PROJECT_RANKING_ENVIRONMENT high
PROJECT_RANKING_INSTALLATION high



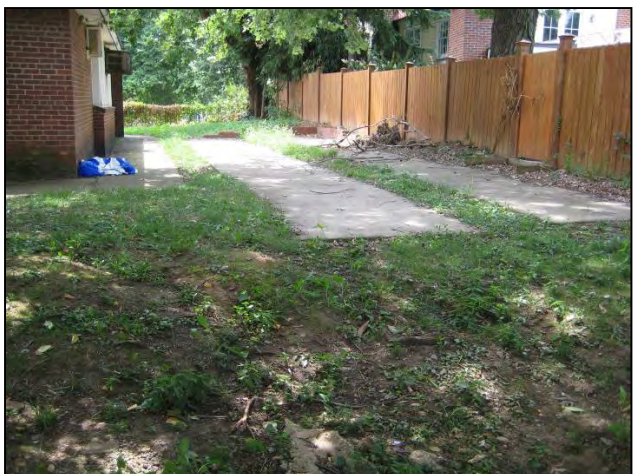
PROJECT_NUMBER	RC_LID_279
SITE_LOCATION	DPR Parkland - N Street NW and 27th Street NW
ADC_MAP_LOCATION	5528_B5
DRAINAGE_AREA_SIZE_(ACRES)	2.209818
APPROXIMATE_IMPERVIOUSNESS	0.00%
OWNERSHIP	District
DESCRIPTION_OF_EXISTING_CONDITIONS	Recreation center with tennis courts, basketball courts, playground, ball fields, and open space. Erosion by the recreation building and near corner of 26th and O Streets. Some large trees with ivy on slopes going to Rock Creek Parkway.
PROJECT_DESCRIPTION	Install bioretention to capture runoff from N Street NW and 27th Street NW. Reforestation in park and on slopes down to Rock Creek Parkway.
ESTIMATED_COST	\$77,344.00
PROJECT_RANKING_EDUCATION	High
PROJECT_RANKING_ENVIRONMENT	High
PROJECT_RANKING_INSTALLATION	High

PROJECT_NUMBER RC_LID_280
SITE_LOCATION Rose Park Recreation Center - 26th Street NW and O Street NW

ADC_MAP_LOCATION 5528_B5
DRAINAGE_AREA_SIZE_(ACRES) 5.911364
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP District
DESCRIPTION_OF_EXISTING_CONDITIONS Recreation center with tennis courts, basketball courts, playground, ball fields, and open space. Erosion by the recreation building and near corner of 26th and O Streets. Some large trees with ivy on slopes going to Rock Creek Parkway.

PROJECT_DESCRIPTION Rain garden and bayscaping to fix the erosion by the building; bioswale by basketball court; impervious reduction; install bioretention to capture runoff from P Street NW. Reforestation of grass areas.

ESTIMATED_COST \$295,568.00
PROJECT_RANKING_EDUCATION High
PROJECT_RANKING_ENVIRONMENT High
PROJECT_RANKING_INSTALLATION High



PROJECT_NUMBER	RC_LID_281
SITE_LOCATION	Bioretention - Dumbarton Street, NW and 27th Street NW
ADC_MAP_LOCATION	5528_B5
DRAINAGE_AREA_SIZE_(ACRES)	0.6627338
APPROXIMATE_IMPERVIOUSNESS	0.00%
OWNERSHIP	NPS/District
DESCRIPTION_OF_EXISTING_CONDITIONS	Dead end of Dumbarton Street NW ends next to DPR parkland - Rose Park. Open grass space near dead end. Curb and gutter present.
PROJECT_DESCRIPTION	Install bioretention in Rose Park to capture stormwater runoff from Dumbarton Street NW
ESTIMATED_COST	\$23,196.00
PROJECT_RANKING_EDUCATION	High
PROJECT_RANKING_ENVIRONMENT	High
PROJECT_RANKING_INSTALLATION	High



PROJECT_NUMBER RC_LID_289
SITE_LOCATION Thompson Boat House - 2900 Virginia Avenue NW

ADC_MAP_LOCATION 5528_A6
DRAINAGE_AREA_SIZE_(ACRES) 2.151113
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP Federal
DESCRIPTION_OF_EXISTING_CONDITIONS Parking lot with curb and gutter surrounded by grass areas.
Stormwater drains directly to Rock Creek.

PROJECT_DESCRIPTION Install bioretention to treat/infiltrate stormwater from parking area before it flows into Rock Creek.

ESTIMATED_COST \$75,289.00
PROJECT_RANKING_EDUCATION High
PROJECT_RANKING_ENVIRONMENT High
PROJECT_RANKING_INSTALLATION Medium



PROJECT_NUMBER
SITE_LOCATION

RC_LID_291
Oak Hill Cemetery - 3001 R Street NW

ADC_MAP_LOCATION
DRAINAGE_AREA_SIZE_(ACRES)
APPROXIMATE_IMPERVIOUSNESS
OWNERSHIP

5528_B5
3.241183
0.00%
NPS/Private

DESCRIPTION_OF_EXISTING_CONDITONS

Gullies eroding adjacent to NPS pathway from Mill Road NW to Rock Creek and along road in Oak Hill Cemetery.

PROJECT_DESCRIPTION

Install regenerative stormwater conveyances along path & roadways to reduce erosion. Redesign pathway to better hold sediment on site.

ESTIMATED_COST

\$113,441.00

PROJECT_RANKING_EDUCATION

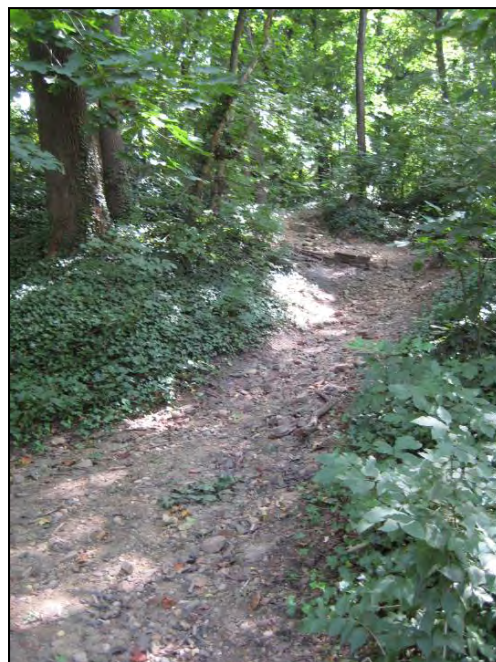
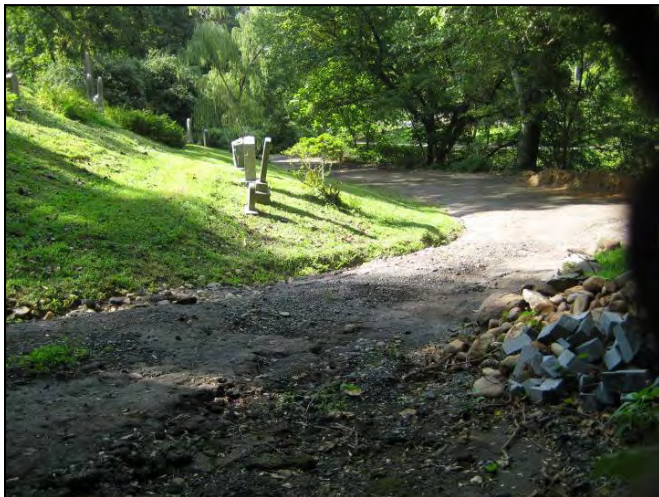
High

PROJECT_RANKING_ENVIRONMENT

High

PROJECT_RANKING_INSTALLATION

Medium



PROJECT_NUMBER RC_LID_292
SITE_LOCATION NPS Parkland - between 23rd Street NW P Street NW and N Street NW

ADC_MAP_LOCATION 5528_B5
DRAINAGE_AREA_SIZE_(ACRES) 0.6344862
APPROXIMATE_IMPERVIOUSNESS 0.00%
OWNERSHIP NPS
DESCRIPTION_OF_EXISTING_CONDITIONS Pathways in woods along Rock Creek. Soil from pathways eroding.

PROJECT_DESCRIPTION Remove and/or stabilize pathways along stream.

ESTIMATED_COST \$22,207.00
PROJECT_RANKING_EDUCATION High
PROJECT_RANKING_ENVIRONMENT Medium
PROJECT_RANKING_INSTALLATION Medium



PROJECT_NUMBER	RC_LID_293
SITE_LOCATION	Rock Creek Bike path - Between P Street NW Bridge and Oak Hill Cemetery
ADC_MAP_LOCATION	5528_B2
DRAINAGE_AREA_SIZE_(ACRES)	0.4560449
APPROXIMATE_IMPERVIOUSNESS	0.00%
OWNERSHIP	NPS
DESCRIPTION_OF_EXISTING_CONDITIONS	Point erosion from bike path adjacent to Rock Creek. Two locations next to path - one adjacent to bike path bridge that crosses Rock Creek at Oak Hill Cemetery.
PROJECT_DESCRIPTION	Install bioretention at two locations adjacent to path.
ESTIMATED_COST	\$15,962.00
PROJECT_RANKING_EDUCATION	High
PROJECT_RANKING_ENVIRONMENT	Medium
PROJECT_RANKING_INSTALLATION	Low



PROJECT_NUMBER	RC_LID_294
SITE_LOCATION	Rock Creek Parkway between Dumbarton Run and Virginia Avenue NW
ADC_MAP_LOCATION	5528_B5&A6
DRAINAGE_AREA_SIZE_(ACRES)	11.1222
APPROXIMATE_IMPERVIOUSNESS	0.00%
OWNERSHIP	NPS
DESCRIPTION_OF_EXISTING_CONDITIONS	Four lane parkway with grass areas adjacent to roadway. Stormwater from roadway is directed directly into Rock Creek.
PROJECT_DESCRIPTION	Remove one lane of Rock Creek Parkway. Use additional green space for bioretention and forest buffer. Install swales along length of parkway to treat stormwater.
ESTIMATED_COST	\$945,387.00
PROJECT_RANKING_EDUCATION	High
PROJECT_RANKING_ENVIRONMENT	High
PROJECT_RANKING_INSTALLATION	Low

PROJECT_NUMBER	RC_LID_355
SITE_LOCATION	Beach Drive NW - Klinge Run to Dumbarton
ADC_MAP_LOCATION	5528_C1toA4
DRAINAGE_AREA_SIZE_(ACRES)	23.99536
APPROXIMATE_IMPERVIOUSNESS	0.00%
DESCRIPTION_OF_EXISTING_CONDITIONS	Forested stream valley with 2-lane road that becomes 4 lane parkway adjacent to stream for length of stream segment. Road has curb and gutter with drainage culverts that drain directly into Rock Creek. Some parking pullouts along Beach Drive near Zoo.
PROJECT_DESCRIPTION	Install bioretention cells and/or bioswales for length of road to retain and detain stormwater from roadway. Bioretention at parking pullouts.
ESTIMATED_COST	\$839,838.00
PROJECT_RANKING_EDUCATION	High
PROJECT_RANKING_ENVIRONMENT	High
PROJECT_RANKING_INSTALLATION	High

