



Samuel Ogle Elementary
School (SOE2)



**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 1 -- Catchment Information**

Subwatershed: Tributary 1

Location of Catchment Centroid on ADC Map: Year: 2001 Page: 10 Grid: D10

State Plane Coordinates of Outfall Location: X: 1386653 Y: 982574

Closest Road Intersection to Outfall: Old Chapel Road and Chelmont Lane

Outfall SDI ID or Outfall Description: No SDI ID - not sure where stormdrain system outfalls

Objective: Demonstration / Impairment(s) (Sheet 1) _____

Drainage Area (ac): 8.8 Impervious Area (ac): 3.1

Percent Impervious: 35% Soil Recharge Factor (S): 0.35

WQ_v (required): 0.27 Re_v (required): 0.09

Predominant Land Use: school Mean Depth to Ground Water: >=5ft

Sanitary System: Septic Municipal Sewer Water Supply: On Site Well Public Water

Storm Drainage System Within Catchment

Piped: 70% Open Channels: 30%

Area Drained by System: 100%

Location in Catchment: Headwaters Middle Lower All

Open Channel Lining- Vegetation: 100% Riprap: 0% Concrete: 0% Other: 0%

Existing IMP(s) / BMP(s)

SDI ID: _____ Type (number from Sheets 4 & 5): _____ Age: _____

Closest Road Intersection to IMP / BMP: _____

Catchment Area Treated (ac) : _____ Percentage Catchment Treated: _____

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

SDI ID: _____ Type (number from Sheets 4 & 5): _____ Age: _____

Closest Road Intersection to IMP / BMP: _____

Catchment Area Treated (ac) : _____ Percentage Catchment Treated: _____

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

SDI ID: _____ Type (number from Sheets 4 & 5): _____ Age: _____

Closest Road Intersection to IMP / BMP: _____

Catchment Area Treated (ac) : _____ Percentage Catchment Treated: _____

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 1 -- Catchment Information (concluded)

CATCHMENT SUMMARY

WQ_v (provided): _____

Re_v (provided) : _____

Area Treated (ac): _____

Impervious Area Treated (ac): _____

Area Treated (%): _____

Impervious Area Treated (%): _____

Comments

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information

Site Name: Samuel Ogle Elementary School Address: 4111 Chelmont Lane, Bowie MD, 20715
 Site Owner: Board of Education
 State Plane Coordinates of Site Centroid: X: 1385720 Y: 483326 Date: 3/25/03
 Personnel: PM Weather: sunny, 70F deg
 Area (ac): 5.1 Impervious Area (ac): 2.4
 Percent Impervious: 47% Soil Recharge Factor (S): 0.38
 WQ_v (required): 0.2 Re_v (required): 0.08
 Property Area (ac): 7.9 Property Area Included in Site: 65 %
 Amount of Catchment Occupied by Site: 58 %

Storm Drainage System Within Site

Piped: 70% Open Channels: 30% Area Drained by System: 100%
 Open Channel Lining - Vegetation: 100% Riprap: 0% Concrete: 0% Other: 0%

Existing IMP(s) / BMP(s) (Identified on Page 1, FORM 1, Catchment Information)

SDI ID: _____ Condition: Excellent Good Average Fair Poor
 SDI ID: _____ Condition: Excellent Good Average Fair Poor
 SDI ID: _____ Condition: Excellent Good Average Fair Poor

Site Information

Type of Pavement: Bituminous Concrete Gravel Grid Pavers Other _____
 Pavement Condition: Excellent Good Average Fair Poor
 Underdrains can be easily directed to existing storm drains or daylighted: YES NO
 Gutter/Exterior Downspouts Present: YES NO
 Roof Connected Directly to Storm Drain: YES NO
 Roof Drains onto Impervious Surface: YES NO
 Obvious Existing Drainage Problems: Extensive Moderate Average Limited None
 Steep Slopes Present: Extensive Moderate Average Limited None
 Existing Landscaping: Extensive Moderate Average Limited None
 Mature / Specimen Trees: Extensive Moderate Average Limited None
 Area Available for Aboveground BMPs: Extensive Moderate Average Limited None
 Existing Cover of Potential Aboveground BMP Locations: Grass Landscaped Gravel Other Pervious
 Pavement Other Impervious

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (concluded)**

Commercial / Institutional

Islands Present: YES NO

Curb Present Around Island: YES NO

Ground Level of Island Relative to Pavement: Above Equal Below

Island Landscaping: Impervious Bare Earth Gravel Grass Mulch Herbaceous Plants Shrubs
 Trees (<2 in. DBH) Trees (2 - 6 in. DBH) Trees (>6 in. DBH)

Trees have sufficient spacing to allow IMPs YES NO

Parking area that can be directed to potential treatment area with little grading: 95%

SITE SUMMARY	
WQ _v (provided) :	Re _v (provided):
Area Treated (ac) :	Impervious Area Treated (ac):
Area Treated (%) :	Impervious Area Treated (%):

Photographs

- No. 450 Description: looking northeast at northwest (front) side of building
- No. 451 Description: looking southeast (note curb cuts)
- No. 452 Description: looking southwest at northwest (front) of building
- No. 453 Description: looking east at northeast side of building
- No. 454 Description: looking south between buildings
- No. 455 Description: looking northeast at bioretention
- No. 456 Description: looking north at southeast side of building
- No. 457 Description: looking northeast between buildings
- No. _____ Description: _____
- No. _____ Description: _____

Comments Downspouts may drain to ground (overflowing the roof) and then to storm drain system.

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information**



450



451



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**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (concluded)**



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