



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

Subwatershed: Green Branch

Location of Catchment Centroid on ADC Map: Year: 2001 Page: 15 Grid: G4

State Plane Coordinates of Outfall Location: X: 1391560 Y: 467173

Closest Road Intersection to Outfall: Mitchellville Road and Harbour Way

Outfall SDI ID or Outfall Description: outfalls to stream southwest of property

Objective: Demonstration / Impairment(s) (Sheet 1) \_\_\_\_\_

Drainage Area (ac): 26.6 Impervious Area (ac): 23.2

Percent Impervious: 87% Soil Recharge Factor (S): 0.18

WQ<sub>v</sub> (required): 1.85 Re<sub>v</sub> (required): 0.33

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

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

### Storm Drainage System Within Catchment

Piped: 100% Open Channels: 0%

Area Drained by System: 100%

Location in Catchment:  Headwaters  Middle  Lower  All

Open Channel Lining- Vegetation: 0% 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<sub>v</sub> Provided:  YES  NO Re<sub>v</sub> Provided:  YES  NO C<sub>p</sub> 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<sub>v</sub> Provided:  YES  NO Re<sub>v</sub> Provided:  YES  NO C<sub>p</sub> 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<sub>v</sub> Provided:  YES  NO Re<sub>v</sub> Provided:  YES  NO C<sub>p</sub> Provided:  YES  NO

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

**CATCHMENT SUMMARY**

WQ<sub>v</sub> (provided): \_\_\_\_\_

Re<sub>v</sub> (provided) : \_\_\_\_\_

Area Treated (ac): \_\_\_\_\_

Impervious Area Treated (ac): \_\_\_\_\_

Area Treated (%): \_\_\_\_\_

Impervious Area Treated (%): \_\_\_\_\_

**Comments**

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

Site Name: Borders Address: 4420 Mitchellville Rd., Bowie MD, 20716

Site Owner: BB Bowie Assoc. LLC

State Plane Coordinates of Site Centroid: X: 1391586 Y: 467593 Date: 4/15/03

Personnel: PM Weather: sunny, 80F deg

Area (ac): 2.1 Impervious Area (ac): 1.8

Percent Impervious: 86% Soil Recharge Factor (S): 0.11

WQ<sub>v</sub> (required): 0.14 Re<sub>v</sub> (required): 0.02

Property Area (ac): 2.1 Property Area Included in Site: 98 %

Amount of Catchment Occupied by Site: 8 %

**Storm Drainage System Within Site**

Piped: 100% Open Channels: 0% Area Drained by System: 100%

Open Channel Lining - Vegetation: 0% 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: 100%

SITE SUMMARY	
WQ <sub>v</sub> (provided) :	Re <sub>v</sub> (provided):
Area Treated (ac) :	Impervious Area Treated (ac):
Area Treated (%) :	Impervious Area Treated (%):

**Photographs**

- No. 615 Description: looking west to north end of complex
- No. 616 Description: looking east across north side of complex
- No. 617 Description: looking south across west side of complex
- No. 618 Description: looking southeast along west side of complex
- No. 619 Description: looking north at south side of complex
- No. 620 Description: looking northwest along stream (upstream)
- No. 621 Description: looking northwest at east side of complex
- No. 622 Description: looking southwest at east side of complex across parking lot
- No. 54 Description: Front of building
- No. 65 Description: Rear of building

**Comments**

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



615



616



617



618



619



620

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



621



622



54



65