**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, (required):** 1.85  
  **Re, (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)

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<thead>
<tr>
<th>SDI ID</th>
<th>Type (number from Sheets 4 &amp; 5)</th>
<th>Age</th>
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CATCHMENT SUMMARY

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Comments

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### UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)

**FORM 2 -- Site Information**

**Site Name:** Pier 1  
**Address:** 4410 Mitchellville Rd., Bowie MD, 20716

**Site Owner:** Merchants Fund, Inc.

**State Plane Coordinates of Site Centroid:** X: 1391678  Y: 467349  Date: 4/15/03

**Personnel:** PM  
**Weather:** sunny, 80F deg

**Area (ac):** 2  
**Impervious Area (ac):** 1.8

**Percent Impervious:** 90%  
**Soil Recharge Factor (S):** 0.2

**WQ \( v \) (required):** 0.14  
**Re \( v \) (required):** 0.03

**Property Area (ac):** 2  
**Property Area Included in Site:** 100%

**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)

<table>
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<tr>
<th>SDI ID</th>
<th>Condition</th>
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<th>Average</th>
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### 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
WQₜ (provided):  __________________________ Reₜ (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.  53   Description: Front of building
No.  66   Description: Rear of building

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