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

Subwatershed:  Bear Branch

Location of Catchment Centroid on ADC Map:  Year: 2001  Page: 4  Grid: C6

State Plane Coordinates of Outfall Location:  X: 1346486  Y: 517831

Closest Road Intersection to Outfall:  Van Dusen Road and Olive Branch Way

Outfall SDI ID or Outfall Description:  drains to natural channel on northeast side of property

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

Drainage Area (ac):  39.2  Impervious Area (ac):  15.0

Percent Impervious:  38%  Soil Recharge Factor (S):  0.12

WQ \_\_ (required):  1.29  Re\_\_ (required):  0.15

Predominant Land Use:  commercial  Mean Depth to Ground Water:  1-2 ft

Sanitary System:  Municipality Sewer  Water Supply:  Public Water

Storm Drainage System Within Catchment

Piped:  75%  Open Channels:  25%

Area Drained by System:  100%

Location in Catchment:  Headwaters Middle Lower All

Open Channel Lining- Vegetation:  75%  Riprap:  25%  Concrete:  0%  Other:  0%

Existing IMP(s) / BMP(s)

SDI ID:  Varies  Type (number from Sheets 4 & 5):  38 & 39  Age:  Varies

Closest Road Intersection to IMP / BMP:  Behinke Drive and Contee Road

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

WQ \_\_ (required):  NO  Re\_\_ (required):  NO  C\_\_ Provided:  NO

SDI ID:  85127A  Type (number from Sheets 4 & 5):  16  Age:  17

Closest Road Intersection to IMP / BMP:  Laurel Place and Cherry Lane

Catchment Area Treated (ac):  26.9  Percentage Catchment Treated:  100%

WQ \_\_ (required):  NO  Re\_\_ (required):  NO  C\_\_ Provided:  NO

SDI ID:  85128A  Type (number from Sheets 4 & 5):  16  Age:  17

Closest Road Intersection to IMP / BMP:  Oxford Drive and Chapel Cove Drive

Catchment Area Treated (ac):  26.9  Percentage Catchment Treated:  100%

WQ \_\_ (required):  NO  Re\_\_ (required):  NO  C\_\_ Provided:  NO
Comments

Eleven bioretention facilities were observed throughout the site. The design aspects are unknown. The facilities do not appear to be functioning as current designs.
Site ID: LRH        Catchment ID: BB02

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

Site Name: Laurel Regional Hospital                Address: Contee Road and Van Dusen Road
Site Owner: Prince Georges County

State Plane Coordinates of Site Centroid: X: 1346063 Y: 517021 Date: 3/21/03
Personnel: JA, PM                              Weather: overcast, 60F deg

Area (ac): 38.3                                Impervious Area (ac): 16.8
Percent Impervious: 35%                        Soil Recharge Factor (S): 0.12
WQv (required): 1.16                            Rev (required): 0.14

Property Area (ac): 48.1                      Property Area Included in Site: 80%
Amount of Catchment Occupied by Site: 98%

Storm Drainage System Within Site
Piped: 75% Open Channels: 25% Area Drained by System: 75%
Open Channel Lining - Vegetation: 75% Riprap: 25% Concrete: 0% Other: 0%

Existing IMP(s) / BMP(s) (Indentified on Page 1, FORM 1, Catchment Information)
SDI ID: Varies                     Condition:  ☑ Excellent  ☐ Good  ☐ Average  ☑ Fair  ☐ Poor
SDI ID: 85127A                      Condition:  ☐ Excellent  ☐ Good  ☑ Average  ☑ Fair  ☐ Poor
SDI ID: 85128A                      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

<table>
<thead>
<tr>
<th>Islands Present:</th>
<th>☑ YES</th>
<th>☐ NO</th>
<th>Curb Present Around Island:</th>
<th>☑ YES</th>
<th>☐ NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Level of Island Relative to Pavement:</td>
<td>☑ Above</td>
<td>☐ Equal</td>
<td>☐ Below</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Island Landscaping:</td>
<td>☐ Impervious</td>
<td>☐ Bare Earth</td>
<td>☐ Gravel</td>
<td>☑ Grass</td>
<td>☐ Mulch</td>
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<tr>
<td>Trees have sufficient spacing to allow IMPs</td>
<td>☑ YES</td>
<td>☐ NO</td>
<td></td>
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<tr>
<td>Parking area that can be directed to potential treatment area with little grading:</td>
<td>95%</td>
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</table>

### SITE SUMMARY

<table>
<thead>
<tr>
<th>WQ, ( (provided) ):</th>
<th>____________</th>
<th>Re, ( (provided) ):</th>
<th>____________</th>
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<tbody>
<tr>
<td>Area Treated (ac):</td>
<td>____________</td>
<td>Impervious Area Treated (ac):</td>
<td>____________</td>
</tr>
<tr>
<td>Area Treated (%):</td>
<td>____________</td>
<td>Impervious Area Treated (%):</td>
<td>____________</td>
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### Photographs

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>392</td>
<td>looking northwest at hospital entrance</td>
</tr>
<tr>
<td>393</td>
<td>looking west at south end of hospital</td>
</tr>
<tr>
<td>394</td>
<td>looking northwest at emergency entrance</td>
</tr>
<tr>
<td>395</td>
<td>BMP #1</td>
</tr>
<tr>
<td>396</td>
<td>BMP #2</td>
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<tr>
<td>397</td>
<td>BMP #3</td>
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<tr>
<td>398</td>
<td>BMP #4</td>
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<tr>
<td>399</td>
<td>looking west at east end of hospital</td>
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<tr>
<td>400</td>
<td>BMP #5</td>
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<tr>
<td>401</td>
<td>BMP #6</td>
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<td>406</td>
<td>BMP #11</td>
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<tr>
<td>407</td>
<td>looking southwest at north end of hospital</td>
</tr>
<tr>
<td>408</td>
<td>looking south at west end of hospital</td>
</tr>
<tr>
<td>409</td>
<td>looking west at medical building</td>
</tr>
</tbody>
</table>
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information
UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (continued)