

Municipality/Organization: Town of Upton

EPA NPDES Permit Number: MAR041165

MaDEP Transmittal Number: W-041350

Annual Report Number

& Reporting Period:

No. 3: March 05-March 06

MAY - 5 2006

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Ms. Joan Shanahan

Title: Interim Director, DPW


Telephone #: (508) 529-3067

Email:

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:



Printed Name:

JOAN E SHANAHAN

Title:

Chair, Board of Selectmen

Date:

04/27/06

Part II. Self-Assessment

The Town of Upton has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, except for the following provisions:

Part II.F Failed to submit year one annual report on or before 05-01-04.

Failed to complete all of year one and year two goals as specified in the notice of intent (NOI) submitted in July 2003 due to budgetary constraints. In 2004 a budget was proposed for the services of a consultant and approved. It is anticipated that progress on the remaining goals specified in the July 2003 NOI will be on schedule by the submission of the year four annual report.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
1 Revised	Develop & distribute brochures to residents	Upton DPW	Distribution of brochures.	Town has reviewed and approved updated brochure for distribution. (Pending distribution list by others)	Distribute brochures.
2 Revised	Develop & distribute brochures to businesses	Upton DPW	Distribution of brochures.	Town has reviewed and approved brochure for distribution. (Pending distribution list by others)	Distribute brochures.
3 Revised	Install watershed signage	Upton DPW	Installation of watershed signs.	Consultant is under contract to design sample signs for review by Town.	Design, produce and install watershed signs. (Production and installation by others)
4 Revised	Develop collection program for household hazardous waste	Upton DPW / Board of Health	Conduct collection program.	Conducted household hazardous waste collection day.	Conduct similar collection days.

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
6	Public meeting to discuss Stormwater management plan	Upton DPW/Board of Selectmen	Conduct a public meeting to discuss goals of the Stormwater management plan	Conducted meetings with Town Depts. regarding content and materials for public meeting.	Schedule a public meeting, advertise meeting, encourage participation, and conduct.
Revised					
7	Public Hearing to discuss water quality data of beach	Board of Health/Board of Selectmen	Conduct a public discussion of goals and results of water testing.	No public hearings have been held.	Schedule a public hearing, advertise hearing, encourage participation, and conduct.
Revised					
8	Develop and implement composting program	Board of Health	Implementation of composting program	Composting program was not implemented.	Design composting program, advertise program and distribute informational pamphlets.
Revised					
9	Coordinate & implement beach clean-up program	Board of Health / Board of Selectmen	Conduct a beach clean-up		Schedule a beach clean-up, advertise clean-up, encourage participation and conduct.
Revised					
Revised					
Revised					

2a. Additions

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
11 Revised	Develop Stormwater system map	Upton Highway Department	Creation of system map	Finalized system map after review by Town	
12 Revised	Identify illicit discharges	Upton Highway Department	Create a list of illicit discharges	Completed analysis of system map and began process of illicit discharge elimination (if necessary).	Complete process of illicit discharge identification.
13 Revised	Commence with elimination of identified illicit discharges	Upton Highway Department	Removal of all identified illicit discharges	Began process of illicit discharge elimination (as necessary).	Complete process of removing all identified illicit discharges.
14 Revised	Review & implement ordinances	Board of Selectmen	Adoption of additional bylaws & regulations		Review existing bylaws and develop new regulations to prohibit illicit discharges.
Revised					
Revised					

3a. Additions

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
16	Develop procedures to inform public of upcoming projects	Planning Board/ Conservation Commission	Advertise to the public of upcoming activities. Develop and implement review process.	The Planning Board and Conservation Commission currently developing review process – implementation pending.	Continue review of projects as required.
Revised					
17	Develop & implement site plan review process for sites.	Planning Board/ Conservation Commission	Develop and implement review process.	The Planning Board and Conservation Commission are currently developing site plan review process – implementation pending	Continue review of site plans as required.
Revised					
18	Develop & implement erosion & sediment control ordinances	Planning Board/ Conservation Commission	Develop and implement control ordinances	The Planning Board and Conservation Commission are currently developing site plan review process – implementation pending	Continue review of site plans as required.
Revised					
19	Develop construction inspection program	Planning Board/ Conservation Commission	Implementation of inspection program		Develop construction inspection checklist & procedures and implement inspection program.
Revised					
Revised					
Revised					

4a. Additions

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
21 Revised	Review existing non-structural BMPs	Planning Board/ Conservation Commission	Development and addition of any necessary amendments and/or bylaws.	Review process completed – commenced with developing amendments and/or inserts to the bylaws and ordinances.	Finish developing amendments and/or inserts to the bylaws and ordinances.
22 Revised	Review of existing structural BMPs	Conservation Commission	Development and addition of any necessary amendments and/or bylaws.	Review process completed – commenced with developing amendments and/or inserts to the bylaws and ordinances.	Finish with developing amendments and/or inserts to the bylaws and ordinances.
23 Revised	Require O&M manuals for newly installed BMPs	Conservation Commission/ DPW	Catalogue and review of all new structural BMPs.	Town consultant under contract. Review process initiated – cataloguing pending.	Commence cataloguing and complete review of BMP O&M manuals.
24 Revised	Develop inspection program of newly installed BMPs	Conservation Commission/ DPW	Implement new BMP inspection program.		Develop and commence BMP inspection program to evaluate conformance with O&M manuals.
Revised					
Revised					
Revised					

5a. Additions

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
26 Revised	Inspection of Town owned and/salt storage areas	Upton Highway Department	Conduct inspections, make recommendations, and review procedures.	Ongoing inspections and maintenance protocol implemented for Town storage.	Formalize inspection process and recommendation protocol for private concerns.
27 Revised	Review snow removal & street sweeping procedures.	Upton Highway Department	Review procedures and make recommendations.	Review of procedures has commenced.	Finish review and submit recommendations.
28 Revised	Develop & implement maintenance schedules – BMPs	Upton Highway Department	Implement annual BMP maintenance program	Development of BMP maintenance program began.	Complete BMP maintenance schedule.
29 Revised	Develop & implement employee training program	Upton Highway Department	Implement training program.		Develop training program that will increase employee awareness and aid in identification prevention methodologies.
Revised					
Revised					

6a. Additions

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) << if applicable >>

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
Revised	Incomplete	To Be Determined	To Be Determined	Incomplete	Pending
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Incomplete

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	N
Annual program budget/expenditures	(\$)	42,036.44

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	0%
Stormwater management committee established	(y/n)	N
Stream teams established or supported	(# or y/n)	N
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	Y
Household Hazardous Waste Collection Days		
▪ days sponsored	(#) 2	Town (BOH)
▪ community participation	(%) 20%	Town
▪ material collected	(tons or gal)	1,485 gallons
School curricula implemented	(y/n)	N

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination		X		
▪ Erosion & Sediment Control		X	X	
▪ Post-Development Stormwater Management		X	X	
Accompanying Regulation Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination		X		
▪ Erosion & Sediment Control		X	X	
▪ Post-Development Stormwater Management		X	X	

Mapping and Illicit Discharges

Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	50 est.
System-Wide mapping complete	(%)	100%
Mapping method(s)		
▪ Paper/Mylar	(%)	0%
▪ CADD	(%)	50%
▪ GIS	(%)	50%
Outfalls inspected/screened	(# or %)	TBD
Illicit discharges identified	(#)	TBD
Illicit connections removed	(#)	TBD
% of population on sewer	(est. gpd)	
% of population on septic systems	(%) 30%	
	(%) 70%	

Construction

Number of construction starts (> 1-acre)	(#)	TBD
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	TBD
Site inspections completed	(# or %)	TBD
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and \$)	0
Complaints/concerns received from public	(#)	TBD

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	TBD
Site inspections completed	(# or %)	TBD
Estimated volume of stormwater recharged	(gpy)	TBD

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1
Total number of structures cleaned	(#)	541
Storm drain cleaned	(LF or mi.)	5 Mi
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	155.51 T
Disposal or use of screenings (landfill, POTW, compost, <i>recycle for sand, beneficial use, etc.</i>)	Recycle, fill	
Cost of screenings disposal	(\$)	1154.98

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	1
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Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	1
Qty. of sand/debris collected by sweeping	(lbs. or tons)	30 T
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(roadway fill)	
Cost of sweepings disposal	(\$)	5,518.00
Vacuum street sweepers purchased/leased	(#)	1
Vacuum street sweepers specified in contracts	(y/n)	Y

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	TBD
▪ Herbicides	(lbs. or %)	TBD
▪ Pesticides	(lbs. or %)	TBD

Anti-/De-Icing products and ratios	% NaCl	175,000 gal
	% CaCl ₂	975 gal
	% MgCl ₂	
	% CMA	
	% Kac	
	% KCl	
	% Sand	105 Tons
Pre-wetting techniques utilized	(y/n)	N
Manual control spreaders used	(y/n)	N
Automatic or Zero-velocity spreaders used	(y/n)	Y
Estimated net reduction in typical year salt application	(lbs. or %)	60-75 (tons)
Salt pile(s) covered in storage shed(s)	(y/n)	Y
Storage shed(s) in design or under construction	(y/n)	N



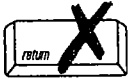
Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Watershed Management
BRP WM 08A NPDES Stormwater General Permit
Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

W041350
 Transmittal Number

 Facility ID (if known)

A. Instructions

Important:
 When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Submission of this Notice of Intent constitutes notice that the entity named at item B1. of this form intends to be authorized by the DEP General Permit issued jointly with EPA for stormwater discharges from the small municipal separate storm sewer system (MS4), in the location identified at item B2. of this form. Submission of the Notice of Intent also constitutes notice that the party identified at item B1. has read, understands and meets the eligibility conditions of Part I.B. of the NPDES Small MS4 General Permit, agrees to comply with all applicable terms and conditions of the NPDES Small MS4 General Permit, and understands that continued authorization to discharge is contingent on maintaining eligibility for coverage. **In order to be granted coverage, all information required on BRP WM 08A, including the Stormwater Management Program Summary and Time Frames form, must be completed. Please read the permit and make sure you comply with all requirements, including the requirement to develop and implement a stormwater management program.**

B. Applicant Information

1. Small MS4 Operator/Owner Information:

Ms. Joan E. Shanahan, Chairperson, Board of Selectmen
 Name
 One Main Street
 Mailing Address
 Upton MA
 City/Town State
 (508) 529-6901
 Telephone Number Email (if available)

2. Municipality Name

Town of Upton
 City/Town

3. Legal Status:

Federal City/Town State Tribal Private

Other public entity: _____
 Specify Public Entity

4. Other regulated MS4(s) within municipal boundaries:

Massachusetts Highway Department (Route 140)

5. Based on the instructions provided in Part I of the NPDES Small MS4 General Permit, have the eligibility criteria for "listed species" and critical habitat been met?

yes pending no



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B. Applicant Information (cont.)

6. Based on the instructions provided in Part I of the NPDES Small MS4 General Permit, have the eligibility criteria for protection of historic properties been met?
- yes pending no

Note:
 Section C may be duplicated to accommodate a larger list of receiving waters

C. Names of (Presently Known) Receiving Waters

Receiving Water:	No. of Outfalls	Listed as Impaired?	Impairment
West River Name	Unknown Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	pH, metals, nutrients, low DO, pathogens, TDS, etc.
Center Brook Name	Unknown Number	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Specify
Mill Pond Name	Unknown Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Exotic Species Specify
Pratt Pond Name	Unknown Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Exotic Species Specify
Warren Brook Name	Unknown Number	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Specify
Baker Pond Name	Unknown Number	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Specify
Lake Wildwood Name	Unknown Number	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Exotic Species Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify
_____ Name	_____ Number	<input type="checkbox"/> Yes <input type="checkbox"/> No	Specify



Massachusetts Department of Environmental Protection
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Notice of Intent for Discharges from Small Municipal Separate
Storm Sewer Systems (MS4s)

W041350
 Transmittal Number

Facility ID (if known)

D. Stormwater Management Program Summary

1. Public Education:

<u>1</u> BMP ID # Develop & distribute brochures to residents	<u>Upton DPW</u> Responsible Dept./Person Name	<u>1st Year</u> Specify Measurable Goal
<u>2</u> BMP ID # Develop & distribute brochures to businesses	<u>Upton DPW</u> Responsible Dept./Person Name	<u>2nd Year</u> Specify Measurable Goal
<u>3</u> BMP ID # Install watershed signage Specify Best Management Practice	<u>Upton DPW</u> Responsible Dept./Person Name	<u>3rd Year</u> Specify Measurable Goal
<u>4</u> BMP ID # Develop collection program for household hazardous waste	<u>Upton DPW/Board of Health</u> Responsible Dept./Person Name	<u>4th and 5th Year</u> Specify Measurable Goal
<u>5</u> BMP ID # Develop school curricula & distribute to schools	<u>Upton DPW/Board of Health</u> Responsible Dept./Person Name	<u>5th Year</u> Specify Measurable Goal

2. Public Participation:

<u>6</u> BMP ID # Public meeting to discuss Stormwater management plan	<u>Upton DPW/Board of Selectmen</u>	<u>1st Year</u> Specify Measurable Goal
<u>7</u> BMP ID # Public Hearing to discuss water quality data of beach	<u>Board of Health/Board of Selectmen</u>	<u>2nd Year</u> Specify Measurable Goal
<u>8</u> BMP ID # Develop and implement composting program	<u>Board of Health</u> Responsible Dept./Person Name	<u>3rd Year</u> Specify Measurable Goal
<u>9</u> BMP ID # Coordinate & implement town beach clean-up program	<u>Board of Health/Board of Selectmen</u>	<u>4th Year</u> Specify Measurable Goal
<u>10</u> BMP ID # Form citizen watch groups to identify polluters to waterways	<u>Board of Health/Board of Selectmen</u>	<u>5th Year</u> Specify Measurable Goal



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Facility ID (if known)

D. Stormwater Management Program Summary (Cont.)

3. Illicit Discharge Detection and Elimination:

<u>11</u> BMP ID #	<u>Develop stormwater system map</u>	<u>Upton Highway Dept.</u> Responsible Dept./Person Name	<u>1st Year</u> Specify Measurable Goal
<u>12</u> BMP ID #	<u>Identify illicit discharges</u> Specify Best Management Practice	<u>Upton Highway Dept.</u> Responsible Dept./Person Name	<u>2nd Year</u> Specify Measurable Goal
<u>13</u> BMP ID #	<u>Commence with elimination of identified illicit discharges</u>	<u>Upton Highway Dept.</u> Responsible Dept./Person Name	<u>3rd & 4th Year</u> Specify Measurable Goal
<u>14</u> BMP ID #	<u>Review & implement ordinances</u>	<u>Board of Selectmen</u> Responsible Dept./Person Name	<u>4th Year</u> Specify Measurable Goal
<u>15</u> BMP ID #	<u>Develop employee training program to identify discharges</u>	<u>Upton Highway Dept.</u> Responsible Dept./Person Name	<u>5th Year</u> Specify Measurable Goal

4. Construction Site Runoff Control:

<u>16</u> BMP ID #	<u>Develop procedures to inform public of upcoming projects</u>	<u>Planning Board/Conservation Commission</u>	<u>1st Year</u> Specify Measurable Goal
<u>17</u> BMP ID #	<u>Develop & implement site plan review process for sites</u>	<u>Planning Board/Conservation Commission</u>	<u>2nd Year</u> Specify Measurable Goal
<u>18</u> BMP ID #	<u>Develop & implement erosion & sediment control ordinances</u>	<u>Planning Board/Conservation Commission</u>	<u>3rd Year</u> Specify Measurable Goal
<u>19</u> BMP ID #	<u>Develop construction inspection program</u>	<u>Planning Board/Conservation Commission</u>	<u>4th Year</u> Specify Measurable Goal
<u>20</u> BMP ID #	<u>Implement construction inspection program with fines</u>	<u>Planning Board/Conservation Commission</u>	<u>5th Year</u> Specify Measurable Goal



BRP WM 08A NPDES Stormwater General Permit

Notice of Intent for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)

D. Stormwater Management Program Summary (Cont.)

5. Post Construction Runoff Control:

<u>21</u> BMP ID #		
Review existing non-structural BMPs	Conservation Commission/Planning Board	1st Year Specify Measurable Goal
<u>22</u> BMP ID #		
Review existing structural BMPs	Conservation Commission Responsible Dept./Person Name	2nd Year Specify Measurable Goal
<u>23</u> BMP ID #		
Require O&M manuals for newly installed BMPs	Conservation Commission Responsible Dept./Person Name	3rd Year Specify Measurable Goal
<u>24</u> BMP ID #		
Develop inspection program of newly installed BMPs	Conservation Commission/DPW	4th Year Specify Measurable Goal
<u>25</u> BMP ID #		
Conduct inspections of BMPs within 1st year of operation	Conservation Commission/DPW	5th Year Specify Measurable Goal

6. Municipal Good Housekeeping:

<u>26</u> BMP ID #		
Inspection of town owned sand/salt storage areas	Upton Highway Dept. Responsible Dept./Person Name	1st Year Specify Measurable Goal
<u>27</u> BMP ID #		
Review snow removal & street sweeping procedures	Upton Highway Dept. Responsible Dept./Person Name	2nd Year Specify Measurable Goal
<u>28</u> BMP ID #		
Develop & implement maintenance schedules-BMPs	Upton Highway Dept. Responsible Dept./Person Name	3rd Year Specify Measurable Goal
<u>29</u> BMP ID #		
Develop & implement employee training program	Upton Highway Dept. Responsible Dept./Person Name	4th Year Specify Measurable Goal
<u>30</u> BMP ID #		
Review & update Town's recycling programs	DPW/Board of Health/Board of Selectmen	5th Year Specify Measurable Goal



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D. Stormwater Management Program Summary (cont.)

7. BMPs for Meeting TMDL:

BMP ID # See Narrative A	Responsible Dept./Person Name	Specify Measurable Goal
Specify Best Management Practice		
BMP ID #	Responsible Dept./Person Name	Specify Measurable Goal
Specify Best Management Practice		
BMP ID #	Responsible Dept./Person Name	Specify Measurable Goal
Specify Best Management Practice		
BMP ID #	Responsible Dept./Person Name	Specify Measurable Goal
Specify Best Management Practice		
BMP ID #	Responsible Dept./Person Name	Specify Measurable Goal
Specify Best Management Practice		

E. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Joan E. Shanahan
 Printed Name

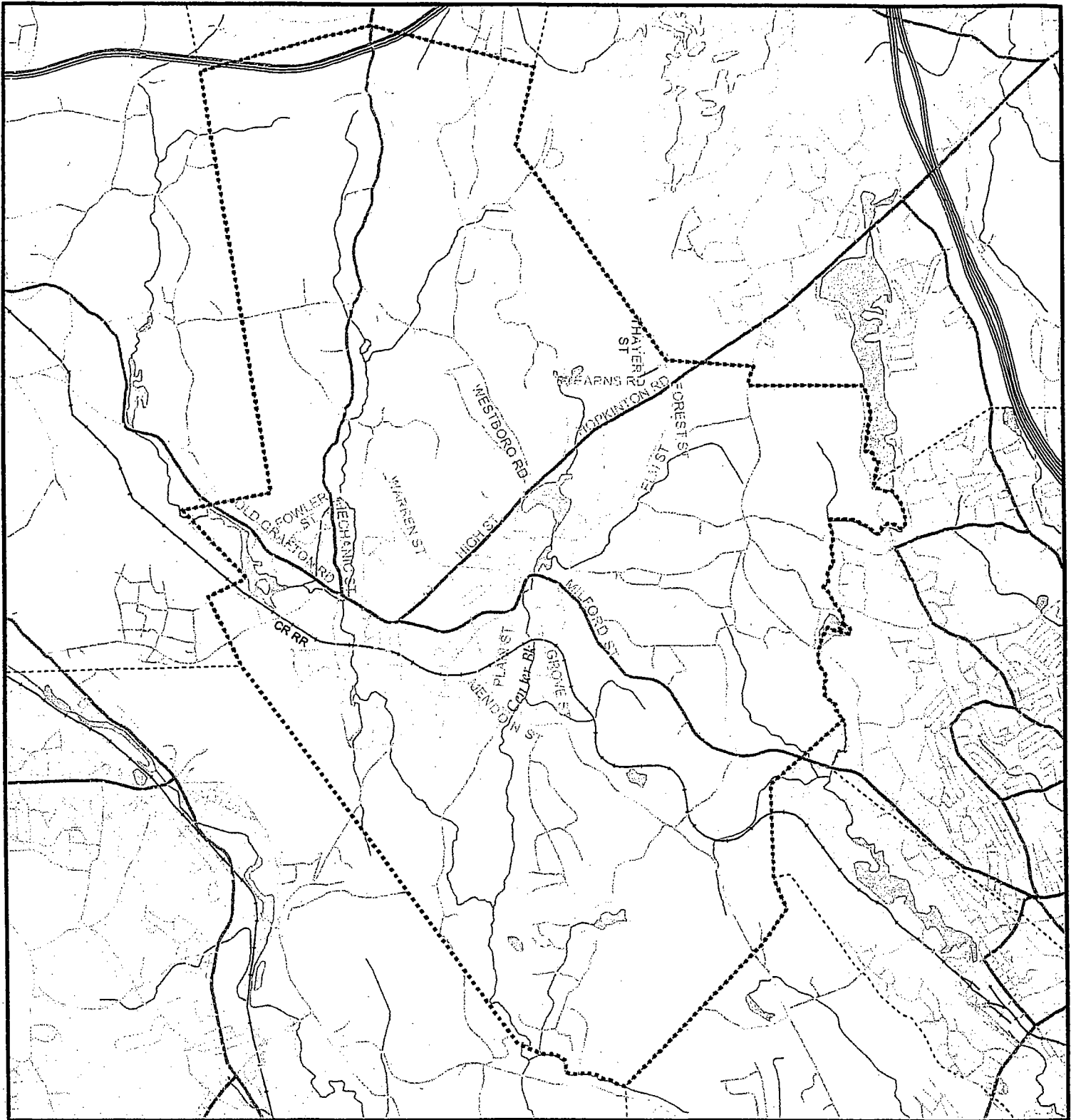
Joan E. Shanahan
 Signature

July 31, 2003
 Date

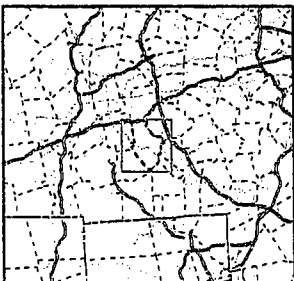
Attachment A

NPDES Phase II Stormwater Program


Automatically Designated MS4 Areas



Area of Focus:



**NPDES Phase II Stormwater Program
Automatically Designated MS4 Areas
*Upton, Massachusetts***

 Upton Town Boundary

 Regulated Area (2000 Urbanized Area)

Town Population: 5,642
Regulated Population: 2,623

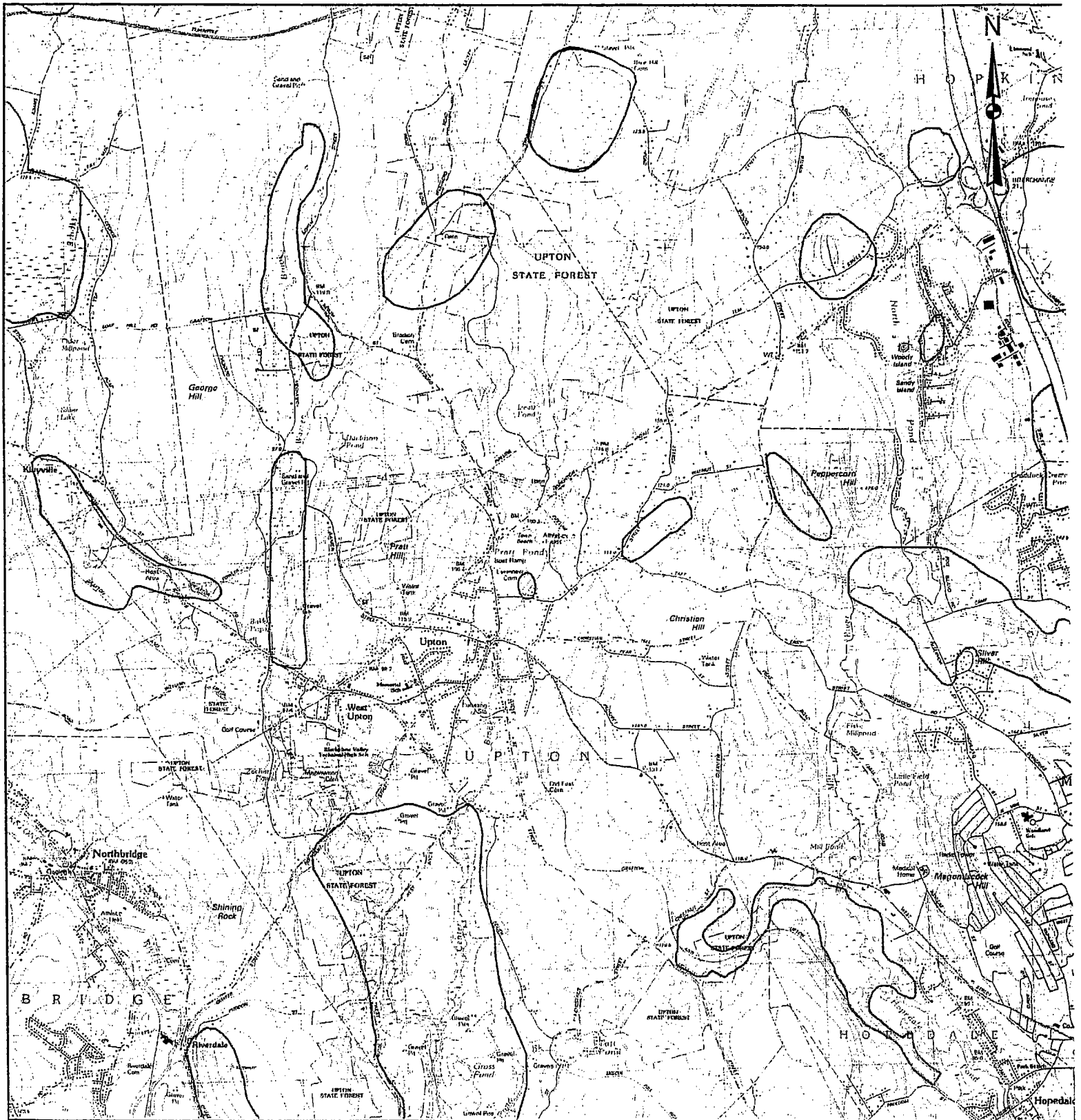


Data Sources: Urbanized Areas from US Census Bureau (2000). Political boundaries from MassGIS. Hydrography from NHD. Transportation data from GDT at 1:24,000. Map Created: 11/25/02; US EPA- New England GIS Center
L:\projects\stormwater\phase2\matowns/new

Attachment B

Figure No. 1

Endangered Species and Critical Habitat Areas



Tata & Howard, Inc.
Westborough, MA

Endangered Species and Critical Habitat Areas
Stormwater Management Plan
Town of Upton

Figure No.
1

Date: August 2003 Scale: 1 : 50,000

Attachment C

Time Frame Form



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Watershed Management

BRP WM 08A NPDES Stormwater General Permit Notice of Intent
 for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s)
F. Storm Water Management Program TIME FRAMES

BMP ID #	PERMIT YEAR ONE		PERMIT YEAR TWO		PERMIT YEAR THREE		PERMIT YEAR FOUR		PERMIT YEAR FIVE		Next Permit												
	Spring 03	Summer 03	Fall 03	Winter 03-04	Spring 04	Summer 04	Fall 04	Winter 04-05	Spring 05	Summer 05		Fall 05	Winter 05-06	Spring 06	Summer 06	Fall 06	Winter 06-07	Spring 07	Summer 07	Fall 07	Winter 07-08		
1																							
2					X																		
3																							
4																							
5																							
6				X																			
7				X																			
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