



EAST OF HUDSON WATERSHED CORPORATION

2014 ANNUAL REPORT



Retrofit at Laguna Road, Lake Carmel, Carmel, New York
Photo provided by Insite Engineering, Surveying, & Landscape Architecture, P.C.

Date: May 12, 2015

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EAST OF HUDSON WATERSHED CORPORATION

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1. INTRODUCTION

This Annual Report has been prepared to provide a summary of the completed, current, and upcoming activities; and financial status; of the East of Hudson Watershed Corporation (EOHWC). This Annual Report also includes limited information about the stormwater retrofit projects (SRPs) completed by the members prior to the formation of EOHWC. It is submitted in fulfillment of the requirements of Part IX.A.5.b of the May 1, 2010, SPDES General Permit for Stormwater Discharges from MS4's (MS4 Permit).

The EOHWC was formed on October 19, 2011 under Section 1411 of the New York State Not-For-Profit Corporation Law. The EOHWC is operated for charitable purposes, has received federal tax exemption as a 501(c)(3), and was established to administer, coordinate, and implement the East of Hudson (EOH) regional stormwater retrofit plans. The regional stormwater retrofit plans were developed as a response to the heightened phosphorus removal requirements of the New York State Department of Environmental Conservation (NYSDEC) General Permit GP-0-08-002 Municipal Separate Storm Sewer Systems Permit (MS4 General Permit).

The MS4 General Permit became effective on May 1, 2008; and was replaced by GP-0-10-002 which became effective on May 1, 2010 and expired on April 30, 2015. The GP-0-15-003 permit was issued in April 2015 and became effective on May 1, 2015. GP-0-15-003 is a two (2) year interim permit intended to cover discharges of stormwater to surface waters of the State from small MS4s.

As issued, GP-0-15-003 contains only conforming changes, such as a new general permit identification number, a two (2) year term, and updated references to the SPDES General Permit for Stormwater Discharges from Construction Activity (GP-0-15-002) and Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (GP-0-12-001).

The regional stormwater retrofit plans are a five year plan, beginning in 2010 and ending in 2014, with projects identified for each year. The NYSDEC and NYCDEP have granted EOHWC authority to continue design and construction projects into the 2015 calendar year to complete the program pollutant removal goals. Throughout this Annual Report, reference is made to Year 1 (2010), Year 2 (2011), Year 3 (2012), Year 4 (2013), and Year 5 (2014-2015).

The EOHWC is a Regional Stormwater Entity (RSE) with 19 members (18 municipalities and one County), operating in 18 municipalities and three Counties in the EOH watershed. The EOHWC is governed by a Board of Directors, composed of the chief elected official of each member. The chief elected official may delegate authority to another municipal employee. Each member has passed resolutions to join the EOHWC and authorize implementation of the regional stormwater retrofit plans by the EOHWC on behalf of each member.

2. ORGANIZATION

Daily operations of the EOHWC are completed by the supporting staff.

The staff employees for the calendar year 2014 were:

1. Executive Director: Rahul Verma, P.E. LEED AP (End Date: August 8, 2014)
2. Project Manager: Kevin Fitzpatrick, P.E. (Start Date: March 4, 2013)
3. Controller: Joanne Tavino (Start date: August 12, 2014)
4. Office Manager: Sharon Dirac (End date: March 9, 2015)
5. Records Management Coordinator: Linda Matera (Start Date: September 29, 2014)
6. Accounts Payable Coordinator: Yvette Rivera (Start Date: September 29, 2014)
7. Staff Attorney: Danielle Harris, Esq. (End Date November 14, 2014)

Current Project Engineer, John Belyea, P.E., M.S. EnvE., joined the staff on April 13, 2015.

The current Board Members are:

1. Town of Bedford: Chris Burdick
2. Village of Brewster: James Schoenig
3. Town of Carmel: Kenneth Schmitt
4. Town of Cortlandt: Linda Puglisi
5. Town of Kent: Maureen Fleming
6. Town of Lewisboro: Peter Parsons (Vice President)
7. Village of Mount Kisco: J. Michael Cindrich
8. Town of New Castle: Robert Greenstein
9. Town of North Castle: Michael Schiliro
10. Town of North Salem: Warren Lucas (Treasurer)
11. Town of Patterson: Michael Griffin (President)
12. Town of Pawling: David Kelly (Secretary)
13. Village of Pawling: Robert Liffland
14. Putnam County- Mary Ellen O'Dell
15. Town of Putnam Valley- Robert Tendy
16. Town of Pound Ridge: Richard Lyman
17. Town of Somers: Rick Morrissey
18. Town of Southeast- Tony Hay
19. Town of Yorktown: Michael Grace

3. PURPOSE

The EOHWC was established as a regional stormwater entity under Part IV.B of the MS4 Permit to administer, coordinate and implement the East of Hudson regional stormwater retrofit projects (SRPs) with funding made available by the NYCDEP, Westchester County, and Putnam County. Through the EOHWC, the member municipalities are collectively achieving compliance with their SRP requirements (a.k.a. “bubble compliance”), regardless of the physical location of each retrofit.



Plunge Pools- NS-MU-08/09

The Year 5 SRPs for each member municipality were identified by stormwater technical committees in Dutchess, Putnam, and Westchester counties and by Town personnel (e.g. town engineer, highway superintendent). The stormwater technical committees

include: the Croton-Kensico Watershed Intermunicipal Coalition

(CKWIC), the Putnam County MS4 Coordinating Committee (PCMS4CC) Stormwater Technical Advisory Committee (STAC), and the Dutchess County MS4 Coordination Committee.



Porous Asphalt Installation: S-MU-09A

The Year 5 work plan was submitted to and approved by the New York State Department of Environmental Conservation (NYSDEC). The SRPs are phosphorus reducing stormwater retrofit projects designed to attain the five-year phosphorus removal requirement established by the NYSDEC. Construction contracts for those projects currently in

design were executed in either 2014 or are projected for execution in 2015, depending on several factors including design progress, municipal review and acceptance, and easement negotiations. Construction of all Year 5 SRPs is expected to be completed in 2015.

The individual municipalities began stormwater retrofit projects in Year 1, and continued as individual municipalities in Year 2. EOHWC began to manage, administer, and fund stormwater retrofit projects in Year 3; and will continued this role through Year 5.

4. STORMWATER RETROFIT PLAN SUMMARY

In a letter dated January 29, 2015 the NYSDEC has confirmed and approved the completion of projects totaling 251.4 kg/yr of phosphorus removal. EOHWC has submitted documentation for the final approval of projects totaling an additional 70 kg/yr on May 8, 2015 and expects the approval of these projects in the near future. Table



Cell 1 Construction: SE-POT-1

1 provides an overall summary of the EOHWC Stormwater Retrofit Program. The Actual Phosphorus Reduction for Years 1 and 2 is based on documentation provided by the individual municipalities to EOHWC, and submitted to the NYSDEC by EOHWC, for SRPs completed by each member municipality prior to the formation of the EOHWC. The Year 1 and 2 submittal has been updated as Year 2 projects are completed by the member municipality and/or EOHWC. The Year 2 Phosphorus Reduction value is calculated from Year 2 SRPs that had been started by a member municipality, and were either completed by the member municipality or transferred to EOHWC to complete design and construction. For the Year 2 SRPs completed by the member municipalities, certification documents have been obtained from the member municipality and submitted to the NYSDEC. All projects which EOHWC has received credit for or is pursuing credit for from Years 1 and 2 are reflected on Table 3. All projects from Year 3 and Year 4 which EOHWC has received credit for or is pursuing credit for from the NYSDEC is listed on Table 4.

The projects included on the NYSDEC approved Year 5 Work Plan can be found in Table 5. Execution of the design contracts on all projects (excluding L-CR-30) did not occur until 2015.

Table 1: Stormwater Retrofit Program Summary

MS4	Five Year Phosphorus Reduction Requirement (kg/yr)	Actual Phosphorus Reduction (kg/yr)				Estimated Phosphorus Reduction (kg/yr)				Estimated Totals (kg/yr) (1)	
		Year 1	Year 2	Year 3	Year 4	Year 2 (1)	Year 3 (1)	Year 4 (1)	Year 5 (1)	Total Reduction	Remaining Reduction Requirement
Bedford	32.2	9.1	7.3	5.3	3.7	-	-	-	7.2	32.6	0.0
Brewster	9.2	-	-	83.6	-	-	-	-	-	83.6	0.0
Carmel	72.0	3.7	7.5	7.7	-	-	9.6	5.3	-	33.8	38.2
Cortlandt	11.6	-	-	-	-	-	3.2	-	1.9	5.1	6.5
Kent	33.6	9.6	4.7	10.0	-	-	1.1	6.9	-	32.2	1.4
Lewisboro	35.5	4.0	-	-	-	-	-	23.4	6.3	33.7	1.8
Mount Kisco	18.7	0.8	-	-	-	-	-	27.4	-	28.2	0.0
New Castle	25.1	-	-	-	-	-	-	-	6.8	6.8	18.3
North Castle	1.0	-	-	-	-	-	-	-	-	0.0	1.0
North Salem	19.1	-	7.1	-	9.8	-	8.4	-	12.5	37.8	0.0
Patterson	17.2	3.3	1.6	10.4	-	-	-	3.2	5.3	23.8	0.0
Pound Ridge	9.5	-	-	-	-	-	-	-	-	0.0	9.5
Putnam Valley	1.0	-	-	-	-	7.5	-	-	-	7.5	0.0
Town of Pawling	3.5	-	1.7	-	-	-	-	-	3.9	5.7	0.0
Village of Pawling	4.3	-	0.03	-	-	-	-	-	-	0.0	4.3
Somers	50.0	10.4	1.5	9.8	-	-	5.9	24.2	2.6	54.4	0.0
Southeast	31.1	8.8	0.9	21.3	-	29.1	-	-	-	60.2	0.0
Yorktown	54.0	0.1	-	6.1	-	-	8.1	-	14.9	29.1	24.9
Putnam County	30.9	1.9	-	10.7	-	-	-	5.5	4.4	22.4	8.5
Total	459.5	51.7	32.4	165.0	13.5	36.6	36.3	95.8	65.6	496.8	0.0

(1) Based on conceptual estimates. May be revised up or down.

Table Notes:

- (1) The above table reflects an accepted phosphorus reduction of 262.5 kg/yr. Additional Year 1 and Year 2 projects which were previously approved as part of this program were identified since the last submission to NYSDEC. These values were reflected in the EOHWC submittal to NYSDEC on May 8, 2015.
- (2) Sources: "Stormwater Retrofit Program" by Putnam County MS4 Coordinating Committee, dated December 31, 2009; and "Regional Stormwater Implementation Plan", by CKWIC, August 2010.

- (3) Sources: “Summary of Completed Retrofit Projects: Project Years 1 & 2” and “Summary of Completed Retrofit Projects: Project Years 3 & 4” by EOHWC and dated 10/31/2014; email from Robert Capowski on 12/9 and 12/11/2014.
- (4) Estimated values are from information provided by engineering consultants providing professional services under EOHWC contracts; from some municipalities with NYSDEC grants for stormwater retrofit projects; and conceptual design from EOHWC. The actual phosphorus removal will be determined based on the submission of Record Documents stamped by a Professional Engineer to the NYSDEC.
- (5) Total Reduction value shown is expected to decrease as SRP evaluation and design progresses.

Table 2:

Summary of Completed Retrofit Projects: Project Years 1 & 2

Municipality	PJT YR	Project ID	Common Name	Retrofit	Phosphorus Removal (kg/yr)	Drainage Area (acres)	NYSDEC Acceptance Received Date
Bedford	1 (2010)	B-MU-23	North Street	Pavers/Underdrain	0.91	6.7	7/23/2013
		B-MU-24	School Street	Pavers/Underdrain	1.52	11	7/23/2013
		B-MU-25	Guard Hill Rd	Channel Stabilization	4.64	67.5	7/23/2013
		B-NCR-27	South Beach Rd	Channel Stabilization	0.97	12.9	7/23/2013
		B-MU-28	High St/Ridge St	Channel Stabilization	0.57	5.7	7/23/2013
		B-CR-29	Mount Holly Road	Channel Stabilization	0.5	8.8	7/23/2013
	2 (2011)	B-MU-21	Beaver Dam Road	New Forebay, HDS, and Infiltration	4.9	19.1	12/12/2014
		B-MU-22	Narrows	Hydrodynamic Separator and Infiltration	1.16	11.31	12/12/2014
		B-MU-30	South Church Street	Infiltration Trench	1.23	6.89	11/16/2012
Carmel	1 (2010)	Carmel-AM-129	Hitchcock Hill Rd	Hydrodynamic Separator	0.23	42	7/23/2013
		Carmel-PRE-02	Lakeview Court	Outfall Stabilization	0.26	3	7/23/2013
		Carmel-PRE-03	Silvergate Road	Outfall Stabilization	0.95	11	7/23/2013
		Carmel-PRE-04	Red Mills Road	Outfall Stabilization	0.77	9	7/23/2013
		Carmel-PRE-06	Belden Road	Linear Channel Stabilization	1.09	3	7/23/2013
		Carmel-PRE-07	Colier Drive	Linear Channel Stabilization	0.38	1.9	7/23/2013
	2 (2011)	Carmel-CF-119B	Kelly Ridge & St. Michael's Terrace	Channel Stabilization	7.1	40	12/12/2014
		Carmel-CF-123	Garret Place	Outfall Channel Stabilization	0.42	3.1	11/16/2012
Kent	1 (2010)	Kent-Pre-03	Barrett Hill/Route 52	Hydrodynamic Separator	4.31	138.8	7/23/2013
		Kent-Pre-06A	202 Boyds Corner Rd.	Deep Sump CB/Level Spreader	0.31	17.9	4/17/2012
		Kent-Pre-06B	236 Boyds Corner Rd.	Deep Sump CB/Level Spreader	1.33	49.4	4/17/2012
		Kent-Pre-06C	322 Boyds Corner Rd.	Deep Sump CB/Level Spreader	0.93	30.6	4/17/2012
		Kent-Pre-06D	326 Boyds Corner Rd.	Deep Sump CB/Level Spreader	0.24	8.8	4/17/2012
		Kent-Pre-06E	Farmers Mills Rd.	Channel Stabilization	0.8	6	4/17/2012
		Kent-Pre-06F	Meadow Brook Ct.	Deep Sump Catch Basins	1.64	19.8	4/17/2012
	2 (2011)	Kent-MB-NLC	North Lake Carmel SW Improvements	Multiple Retrofits	4.67	92.3	11/16/2012
Lewisboro	1 (2010)	L-CR-15	Twin Lakes Rd Drainage Improvements	Plunge Pool	0.09	0.7	7/23/2013
		L-CR-21	Lake Kitchawan Stream	HDS (Vortech Unit)	0.66	13.9	7/23/2013
		L-CR-26	Truesdale Lake Drive	HDS/Forebay	3.28	34.71	7/23/2013
Mount Kisco	1 (2010)	MK-NC-31		Subsurface Infiltration	0.12	0	7/23/2013
		MK-NC-15		Road Stabilization	0.21	1	7/23/2013
		MK-NC-18		Road Stabilization	0.11	0.05	7/23/2013
		MK-NC-19		Rooftop Disconnect	0.05	0.2	7/23/2013
		MK-NC-23		Road Stabilization	0.09	0.4	7/23/2013
		MK-NC-24		Road Stabilization	0.11	0.2	7/23/2013
		MK-NC-32		Road Stabilization	0.12	0.23	7/23/2013
North Salem	2 (2011)	NS-MU-08/09	Sunset Dr and Westview Cross Rd	Channel Stabilization/Infiltration	7.12	26.1	12/11/2014

Patterson	1 (2010)	PAT-PRE-02	T&T Associates	Install Grass Swale	0.05	0.5	3/2/2011
		PAT-PRE-03	Brewster Plastics	Install Detention Pond	0.54	5.9	3/2/2011
		PAT-PRE-04	White Birch Realty	Install Sand Filter	0.3	0.7	3/2/2011
		PAT-PRE-05	Old Road Highway Improvement	Install Grass Swale	0.26	2.2	3/2/2011
		PAT-PRE-06a	Putnam Lake Retrofit Project - Site 1	Install Detention Pond	0.01	2.5	3/2/2011
		PAT-PRE-06b	Putnam Lake Retrofit Project - Site 2a	Install Detention Pond	0.04	63	3/2/2011
		PAT-PRE-06c	Putnam Lake Retrofit Project - Site 2b	Hydrodynamic Separator	0.29	5.5	3/2/2011
		PAT-PRE-06d	Putnam Lake Retrofit Project - Site 3a	Hydrodynamic Separator	0.48	9	3/2/2011
		PAT-PRE-06e	Putnam Lake Retrofit Project - Site 3b	Hydrodynamic Separator	0.27	5	3/2/2011
		PAT-PRE-06f	Putnam Lake Retrofit Project - Site 3c	Hydrodynamic Separator	0.11	2	3/2/2011
		PAT-PRE-06g	Putnam Lake Retrofit Project - Site 3d	Hydrodynamic Separator	0.48	9	3/2/2011
		PAT-PRE-06h	Putnam Lake Retrofit Project - Site 5	Detention Pond	0.18	12	3/2/2011
		PAT-PRE-06i	Putnam Lake Retrofit Project - Site 6	Hydrodynamic Separator	0.21	4	3/2/2011
		PAT-PRE-06j	Putnam Lake Retrofit Project - Site 7	Hydrodynamic Separator	0.09	1.7	3/2/2011
	2 (2011)	Pat-EB-09-04a/04b/04c	Old Rt 22	Grass Swales	1.39	0	3/2/2011
		Patterson-PA-10	Patterson Town Hall	Infiltration	0.23	0.5	3/2/2011
Pawling (Town)	2 (2011)	PW-120	138 South Harmony Rd	Outfall Protection, New Pipe, Channel Stabilization	0.13	6.5	7/23/2013
		PW-82	39 Sans Souci Dr	Outfall Protection, Ditch Stabilization, Sediment Removal	1.14	13.08	7/23/2013
		PW-83	47 Sans Souci Dr	Ditch Stabilization, Sediment/Debris Removal	0.48	2.44	7/23/2013
Pawling (Village)	2 (2011)	VPW-3		Channel Stabilization	0.02	1.26	7/23/2013
		VPW-4		Channel Stabilization	0.01	11.01	7/23/2013
Putnam County	1 (2010)	PC-4	North Brewster Rd	Road Resurfacing	1.5	4	4/17/2012
		PC-6	Teakettle Spout Lake	Pervious Pavement	0.34	0.5	4/17/2012
		PC-9	Veterans Memorial Park	Sand Filter	0.02	0.1	4/17/2012
Putnam Valley	2 (2011)	PutVal-PA-02	Greenway Terrace	Detention Pond/Stormfilter	7.9	41.9	TBD
Somers	1 (2010)	S-MU-12	Plumbrook Pond Ditch Stabilization	Repair Eroded Drainage Ditch	1.12	41.2	7/23/2013
		S-MU-13	Plumbrook Pond Ditch Stabilization-2	Repair Eroded Drainage Ditch	3.09	31.8	7/23/2013
		S-MU-27a	Somers School District Ditch Stabilization	Stabilization	1.25	27	7/23/2013
		S-MU-27b		Stabilization	0.36	27	7/23/2013
		S-MU-29	Plum Brook Rd Retrofit	Stabilization	3.33	25.5	7/23/2013
		S-NC-31	Moseman Ave Water Quality Improvement	Micropool Extended Detention	0.81	8.5	7/23/2013
		S-MU-32	Erosion Control Near Muscote River	Stabilization	0.45	7.2	7/23/2013
	2 (2011)	S-MU-30	Jan Ridge Road Brook Stabilization	Channel Stabilization	1.45	22.6	11/16/2012
Southeast	1 (2010)	SE-PRE-01	Lower Mine Road	Plunge Pool	0.19	14.4	1/0/1900
		SE-PRE-02	Seven Oaks Lane	Check Dams/Plunge Pool	1.51	11.7	1/0/1900
		SE-PRE-03	Maple Road	Road Stabilization/Deep Sump	1.03	24.1	1/0/1900
		SE-PRE-04	Joe's Hill Road	Plunge Pool/Level Spreader	0.01	1	1/0/1900
		SE-PRE-05	Nichols Rd	Swale Stabilization	0.34	13.6	1/0/1900
		SE-PRE-07	Starlea Road	Plunge Pool/Deep Sump	0.44	17.1	4/17/2012
		SE-PRE-08	Ives Farm	Plunge Pool	0.78	9.1	4/17/2012
		SE-PRE-09	Panorama	Check Dams/Plunge Pool	0.51	5.9	4/17/2012
		SE-PRE-10	Carlson Lake	Deep Sump/Plunge pool	1.2	14.7	4/17/2012
		SE-PRE-11	Shore Drive, Lake Tonetta	Infiltration/HDS	2.82	26.3	4/17/2012
	2 (2011)	SE-POT-02	Brewster Heights	HDS, Channel Stabilization	22.5	58.9	TBD
		Southeast-EB-05	Rockledge Drive	Outfall Stabilization	0.81	12	TBD
		Southeast-PA-05	Brewster Hill	Linear Channel Stabilization	6.64	35	TBD
		Southeast-PA-24	Lower Mine Road/Rt 22	Grass Swales	0.12	-	TBD
	1 (2010)	SE-DI-03	Lincoln Rd	Outfall Stabilization	1.3	10.3	TBD
		Y-MU-11D	Junior Lake Parking Lot		0.07	0.1	7/23/2013
Yorktown	1 (2010)	Y-MU-11D	Junior Lake Parking Lot		0.07	0.1	7/23/2013

Table 3:

Summary of Completed Retrofit Projects: Project Years 3 & 4

Municipality	PJT YR	Project ID	Common Name	Retrofit	Phosphorus Removal (kg/yr)	Drainage Area (acres)	NYSDEC Program Credit Received Date
Bedford	3 (2012)	B-MU-07	Bedford Hills Memorial Park	Extended Detention Pond (P-3)	5.34	30.80	12/9/2014
	4 (2013)	B-MU-32	Babbitt Road	Linear Channel Stabilization	3.65	0.00	12/11/2014
Brewster	3 (2012)	VB-DI-31	Tonetta Brook Retrofit	Extended Detention Pond	15.80	28.50	12/11/2014
		VB-DI-32	Wells Brook Retrofit	Extended Detention Pond	67.80	176.10	12/11/2014
Carmel	3 (2012)	Carmel-AM-112	Austin Rd Elementary School	Wet Extended Detention Pond (P-3)	5.12	7.50	12/11/2014
		Carmel-AM-116	Mahopac Middle School	Infiltration & Sand Filter	2.60	2.71	12/11/2014
		Carmel-CF-102A	Guide Post Seminary	Channel Stabilization	4.00	2.31	TBD
		Carmel-CF-102B	Guide Post Seminary	Channel Stabilization	2.70	2.50	TBD
	4 (2013)	Carmel-AM-111A	Falls Elementary School	Infiltration	3.02	2.10	TBD
		Carmel-AM-111B	Falls Elementary School	Infiltration	2.27	2.26	TBD
Cortlandt	3 (2012)	C-NC-01B	Quarry Acres Subdivision	Micropool Extended Detention	3.20	16.58	TBD
Kent	3 (2012)	Kent-MB-ADD-2	Lake Shore Dr & Cottage Rd	Extended Detention Pond	4.70	38.10	12/9/2014
		Kent-MB-ADD-3	Lake Shore Dr & Valhalla Rd	Extended Detention Pond	1.40	7.80	12/9/2014
		Kent-MB-ADD-4	Ryan Park	Hydrodynamic Separator	0.20	1.50	12/9/2014
		Kent-MB-ADD-5	Kent Recreation Building	Dry Swale	1.40	4.50	12/9/2014
		Kent-MB-ADD-19	Ryan Park	Surface Sand Filter	2.30	29.20	12/9/2014
		Kent-PA-31	Putnam Stone & Mason Supply	Wet Swale	1.10	3.40	TBD
	4 (2013)	Kent-MB-311B	NYS Rt 311 & I-84	Channel Stabilization/Pond	3.60	36.40	TBD
Lewisboro	4 (2013)	L-CR-11A	John Jay Middle and High School	Micropool Extended Detention	4.80	7.50	TBD
		L-CR-11B	John Jay Middle and High School	Extended Detention	2.20	3.40	TBD
		L-CR-11C	John Jay Middle and High School	Linear Channel Stabilization	11.30	18.70	TBD
		L-CR-28	Schoolhouse Rd	Micropool Extended Detention/Wet Extended Detention	5.10	103.90	TBD
Mount Kisco	4 (2013)	MK-NC-20	CVS/South Bedford Road	Channel Stabilization	6.30	3.51	TBD
		MK-NC-21	MKMG Satellite Offices	Pocket Wetland	1.80	3.54	TBD
		MK-NC-22	Leonard Park	Bioretention/Sand Filter	8.50	30.42	TBD
		MK-NC-29	Mt. Kisco DPW Yard	Wet Pond	4.90	10.00	TBD
North Salem	3 (2012)	NS-MU-01B	Back St & W.Cross St	Surface Sand Filter	2.60	2.20	TBD
		NS-MU-11	Route 22 & Route 116	Extended Detention	5.80	43.00	TBD
	4 (2013)	NS-MU-05	North Salem Highway Garage	Infiltration and Micropool ED	9.80	22.20	12/11/2014
Patterson	3 (2012)	Pat-EB-09-01	Big Elm Rd	Detention Pond	3.47	7.40	12/9/2014
		Pat-MB-06	Fields Corner Rd	Rip-Rap Swale	0.78	4.00	12/9/2014
		Patterson-PA-11	Patterson Highway Garage	Install Sand Filter	6.11	5.43	12/9/2014
	4 (2013)	Pat-EB-09-03A	Veterans Memorial Park	Subsurface Infiltration	1.40	3.50	TBD
		Pat-EB-09-03B	Veterans Memorial Park	Organic Filter	1.80	9.40	TBD
Putnam County	3 (2012)	PC-1	Putnam National Golf Course	Subsurface Infiltration	4.40	2.70	12/11/2014
		PC-1A	Putnam National Golf Course	Extended Detention	6.30	63.60	12/11/2014
	4 (2013)	PC-5N, 5S	PCDH&F	Wet Extended Detention Pond (P-3)	5.80	18.20	TBD

Somers	3 (2012)	S-MU-01	Somers Town Hall	Permeable Pavers	1.29	0.66	12/11/2014
		S-MU-09A	Reis Park - Library Roof Disconnect	Hydrodynamic Separator/Infiltration	0.79	0.51	12/11/2014
		S-MU-09B	Reis Park - Maintenance Bldg and Parking Area	Hydrodynamic Separator/Infiltration	0.90	0.42	12/11/2014
		S-MU-09C	Reis Park - Main Parking Lot and Tennis Court	Permeable Pavers	3.35	2.28	12/11/2014
		S-MU-09D	Reis Park - Main Driveway and Rear Parking	Bioretention	0.92	2.53	12/11/2014
		S-MU-09E	Reis Park and Town Hall Porous Pavement	Stormfilter/Dry Swale	1.20	2.27	12/11/2014
		S-MU-09F	Reis Park - Athletic Fields	Bioretention	1.65	5.19	12/11/2014
		S-MU-16/17	Somers Town Highway Garage and Material Yard	Multiple Pond System	5.90	6.56	TBD
	4 (2013)	S-MU-03	Boces	Linear Channel Stabilization	24.20	13.26	TBD
Southeast	3 (2012)	SE-POT-01	Lake Tonetta	Subsurface Gravel Wetland	14.40	57.50	12/11/2014
		Southeast-PA-23	CV Star Intermediate School	Micropool Extended Detention	6.93	17.40	12/9/2014
Yorktown	3 (2012)	Y-MU-10	Railroad Ave Park	Pocket Pond	4.30	6.10	TBD
		Y-MU-14	Police Station and Court	Wet Extended Detention Pond (P-3)	8.10	24.30	TBD
		Y-MU-17A	Sparkle Lake	Infiltration Trench	1.80	1.24	12/11/2014
		Y-MU-17B	Sparkle Lake	Stormfilter	4.30	14.60	12/11/2014



Subsurface Gravel Wetland: SE-POT-01

The following nomenclature is used in this Annual Report to describe project status:

1. **Cancelled:** SRP was cancelled by EOHWC prior to or during design. Typical reasons for cancelling a SRP include: low phosphorus removal, located on private property, site constraints preventing proper design, permitting complexity, and/or cost.
2. **Postponed:** The SRP was submitted to and evaluated by EOHWC. Based on the current program parameters and progress, these projects will be evaluated for inclusion as part of Years 6-10.
3. **Complete:** SRP has been constructed however the project has not been completely removed from our tracking system. This occurs when a project still requires stabilizing or outstanding payments remain.
4. **Closed:** The SRP is no longer being tracked by EOHWC for project closeout.

Table 4 lists the Year 3 stormwater retrofit projects and the current status. Additional data describing the Year 3 stormwater retrofit projects is provided in Appendix A and Appendix C.

Table 4: Year 3 Stormwater Retrofit Projects

Project ID	Municipality	Revised Retrofit	Status
B-MU-07	Bedford	Extended Detention Pond (P-3)	Closed
Carmel-AM-112	Carmel	Wet Extended Detention Pond (P-3)	Closed
Carmel-AM-116	Carmel	Infiltration & Sand Filter	Closed
Carmel-CF-102A	Carmel	Channel Stabilization	Construction
Carmel-CF-102B	Carmel	Channel Stabilization	Construction
Carmel-CF-113A	Carmel	Subsurface Infiltration	Design
Carmel-CF-113B	Carmel	Bioretention	Cancelled
Carmel-CF-113C	Carmel	Bioretention	Cancelled
Carmel-PA-01	Carmel	Existing Pond Improvements	Cancelled
C-NC-01	Cortlandt	Convert existing swale into Bioretention Swale	Cancelled
C-NC-01A	Cortlandt	Micropool ED + Channel Stabilization	Cancelled
C-NC-01B	Cortlandt	Micropool Extended Detention and Channel Stabilization	Construction
Kent-MB-Add-19	Kent	Sand Filter (F-1) and Eliminated Eroded Channel	Closed
Kent-MB-Add-2	Kent	Wet Extended Detention Pond (P-3)	Closed
Kent-MB-Add-3	Kent	Micropool Extended Detention Pond (P-1)	Closed
Kent-MB-Add-4	Kent	Hydrodynamic Separator	Closed
Kent-MB-Add-5	Kent	Dry Swale (O-1)	Closed
Kent-PA-31	Kent	Wet Swale (O-2)	Construction
L-CR-14	Lewisboro	Subsurface Sand Filter	Cancelled
L-CR-16	Lewisboro	P-5 Pocket Pond	Cancelled
L-CR-17	Lewisboro	Channel Stabilization	Cancelled
L-CR-25	Lewisboro	Hydrodynamic Separator	Cancelled
MK-NC-09	Mt. Kisco	Culvert Replacement	Cancelled
NS-MU-01A	North Salem	Extended Detention Pond	Cancelled
NS-MU-01B	North Salem	Surface Sand Filter	Design
NS-MU-01C	North Salem	Bioretention	Cancelled
NS-MU-10	North Salem	Extended Detention Pond	Cancelled
NS-MU-11	North Salem	Extended Detention Pond	Design

Project ID	Municipality	Revised Retrofit	Status
Pat-EB-09-01	Patterson	Pocket Pond (P-5)	Complete
Pat-EB-09-02	Patterson	Pocket Pond (P-5)	Cancelled
Pat-MB-05	Patterson	Pocket Pond (P-5)	Cancelled
Pat-MB-06	Patterson	Dry Swale (O-1)	Complete
Patterson-PA-11	Patterson	Two Pocket Ponds; Bioretention Basin	Complete
PC-1	Putnam County	Subsurface Infiltration	Closed
PC-10	Putnam County	Grass Swale	Cancelled
PC-12	Putnam County	Convert existing dry basin to wet pond	Closed
PC-1A	Putnam County	Wet Extended Detention Pond (P-3)	Closed
SE-POT-01	Southeast	Subsurface Gravel Wetland	Closed
SE-POT-06	Southeast	Channel Stabilization	Cancelled
Southeast-PA-23	Southeast	Micropool Extended Detention Pond (P-1)	Complete
S-MU-01	Somers	Permeable Pavement	Complete
S-MU-09A	Somers	Hydrodynamic Separator and Infiltration	Complete
S-MU-09B	Somers	Hydrodynamic Separator and Infiltration	Complete
S-MU-09C	Somers	Permeable Pavement	Complete
S-MU-09D	Somers	Bioretention	Complete
S-MU-09E	Somers	Middle Drive: UG Detention/Stormfilter; Upper Lot: Dry Swale	Complete
S-MU-09F	Somers	Bioretention	Complete
S-MU-09G	Somers	Infiltration Trench	Cancelled
S-MU-16/17	Somers	16: Infiltration (I-2)/Bioretention (F-5); 17: Bioretention (F-5)	Construction
S-MU-NP3	Somers	South: Multiple Pond System; North: Stormfilter System	Cancelled
S-NC-NP4	Somers	Curbing, shallow swales, wet ponds	Cancelled
VB-DI-31	Brewster	Extended Detention Pond (P-3)	Closed
VB-DI-32	Brewster	Extended Detention Pond (P-3)	Closed
Y-MU-10	Yorktown	Pocket Pond (P-5)	Design
Y-MU-14	Yorktown	Wet Extended Detention Pond (P-3)	Construction
Y-MU-17A	Yorktown	HDS and Infiltration Trench	Complete
Y-MU-17B	Yorktown	Stormfilter	Complete



Micropool: Southeast-PA-23

Table 5 lists the Year 4 stormwater retrofit projects and the current status. Additional data describing the Year 4 stormwater retrofit projects is provided in Appendix A and Appendix C.

Table 5: Year 4 Stormwater Retrofit Projects

Project ID	Municipality	Revised Retrofit	Project Status
B-MU-32	Bedford	Channel Stabilization	Closed
Carmel-AM-111A	Carmel	Infiltration	Design
Carmel-AM-111B	Carmel	Infiltration	Design
Carmel-CF-103	Carmel	Wet ED Pond	Design
Carmel-PA-03	Carmel	Bioretention	Cancelled
Kent-MB-2	Kent	Hydrodynamic Separator	Cancelled
Kent-MB-3	Kent	Hydrodynamic Separator	Cancelled
Kent-MB-311B	Kent	Channel Stabilization, P-1 Pond,	Design
L-CR-10A	Lewisboro	Micropool ED	Cancelled
L-CR-10B	Lewisboro	Micropool ED	Cancelled
L-CR-11A	Lewisboro	Micropool ED Pond	Construction
L-CR-11B	Lewisboro	Wet ED Pond	Construction
L-CR-11C	Lewisboro	Channel Stabilization	Construction
L-CR-11D	Lewisboro	Porous Pavement & Infiltration	Cancelled
L-CR-11E	Lewisboro	Pocket Pond	Cancelled

Project ID	Municipality	Revised Retrofit	Project Status
L-CR-13	Lewisboro	Pocket Pond	Cancelled
L-CR-28	Lewisboro	Micropool ED/Wet ED	Design
MK-NC-06	Mt. Kisco	Subsurface Infiltration	Cancelled
MK-NC-07	Mt. Kisco	Subsurface Infiltration	Cancelled
MK-NC-14	Mt. Kisco	Bioretention	Cancelled
MK-NC-20	Mt. Kisco	Channel Stabilization	Design
MK-NC-21	Mt. Kisco	Pocket Wetland	Design
MK-NC-22	Mt. Kisco	Bioretention/Surface Sand Filter	Design
MK-NC-25	Mt. Kisco	Wet Swale	Cancelled
MK-NC-28	Mt. Kisco	Road Stabilization	Cancelled
MK-NC-29	Mt. Kisco	Wet Pond	Design
MK-NC-30	Mt. Kisco	Cancelled	Remove Impervious
MK-NC-33	Mt. Kisco	Channel Stabilization	Cancelled
MK-NC-34	Mt. Kisco	Riparian Buffer	Cancelled
NewC-NCR-04A	New Castle	Wet Pond	Cancelled
NewC-NCR-04B	New Castle	Extended Detention Pond	Cancelled
NewC-NCR-07	New Castle	Extended Detention Pond	Cancelled
NewC-NCR-08	New Castle	Forebay	Cancelled
NewC-NCR-12A	New Castle	Bioretention	Cancelled
NewC-NCR-12B	New Castle	Bioretention	Cancelled
NewC-NCR-12C	New Castle	Subsurface Infiltration	Cancelled
NewC-NCR-12D	New Castle		Cancelled
NewC-NCR-13	New Castle	Dry Swale	Cancelled
NewC-NCR-19A	New Castle	Wet Pond	Cancelled
NewC-NCR-32-2A	New Castle	Bioretention	Cancelled
NewC-NCR-32-2B	New Castle	Pocket Pond	Cancelled
NewC-NCR-32-3	New Castle	Pocket Pond	Cancelled
NewC-NCR-32-4	New Castle	Pocket Pond	Cancelled
NS-MU-05	North Salem	filtration and micropool extended detention bas	Complete
Pat-EB-09-03A	Patterson	Infiltration	Design
Pat-EB-09-03B	Patterson	Organic Filter (F-4)	Design
PC-11-B(1-4)	Putnam County		Cancelled
PC-11-C(1-3)	Putnam County		Cancelled
PC-3	Putnam County	Channel Stabilization	Cancelled

Project ID	Municipality	Revised Retrofit	Project Status
PC-5N, 5S	Putnam County	Wet Extended Detention Pond	Construction
SE-POT-07	Southeast	Plunge Pool	Cancelled
SE-POT-08	Southeast	Subsurface Infiltration	Cancelled
S-MU-03	Somers	Channel Stabilization	Complete
S-MU-34	Somers	Stormfilter	Cancelled
S-MU-35	Somers	Multiple practices	Cancelled
S-NC-36	Somers	Channel Stabilization	Design
Y-MU-41	Yorktown	Hydrodynamic Separator	Cancelled
Y-MU-42	Yorktown	Hydrodynamic Separator	Cancelled
Y-MU-43	Yorktown	Hydrodynamic Separator	Cancelled
Y-MU-44	Yorktown	Hydrodynamic Separator	Cancelled
Y-MU-45	Yorktown	Hydrodynamic Separator	Cancelled



Bioretention Cell In Construction: Patterson-PA-11

Table 6 lists the stormwater retrofit projects accepted by NYSDEC in 2014 (Year 5). Year 5 of the retrofit program will encompass 2015 as well.

Table 6: Year 5 Stormwater Retrofit Projects

Project ID	Municipality	Revised Retrofit	Project Status
B-MU-33A	Bedford	Channel Stabilization	Design
B-MU-33B	Bedford	Wet ED Pond	Concept
B-MU-34	Bedford	Channel Stabilization	Concept
B-MU-35	Bedford	Infiltration	Design
B-MU-36	Bedford		Cancelled
B-MU-38A	Bedford	Wet ED Pond	Concept
B-MU-41	Bedford	Subsurface Infiltration	Design
Carmel-CF-124	Carmel	Wet ED Pond	Concept
C-NC-05A	Cortlandt		Concept
L-CR-29	Lewisboro	Wet ED Pond	Design
L-CR-30	Lewisboro	ED Shallow Wetland	Construction
NewC-NCR-05A	New Castle	Subsurface Infiltration	Design
NewC-NCR-05B	New Castle	Dry Swale	Design
NewC-NCR-33A	New Castle	Wet ED Pond/Channel Stabilization	Design
NewC-NCR-33B	New Castle	Wet ED Pond/Channel Stabilization	Design
NS-EB-01	North Salem	Stormfilter	Design
Patterson-PA-15A	Patterson	Dry Swale	Design
Patterson-PA-15B	Patterson	Bioretention	Design
PC-22	Putnam County	Wet Pond	Design
PW-342A	Pawling (T)	Pocket Pond	Design
PW-342B	Pawling (T)	Grass Swale	Design
PW-343	Pawling (T)	Subsurface Infiltration	Design
SE-POT-09A	Southeast		Postponed
SE-POT-09B	Southeast		Postponed
S-MU-33	Somers	Pavers/Subsurface Infiltration	Design
Y-MU-40	Yorktown	Wet ED Pond	Design

Not all of the projects presented in Table 6 will proceed to design and construction as presented, thus the actual Year 5 project list and total phosphorus removal will vary from those presented in Table 6.

5. FUNDING SOURCES AND FINANCIAL SUMMARY

The EOHWC funding has been and will be provided directly or indirectly by the New York City Department of Environmental Protection (NYCDEP). The legal structure of the EOHWC allows transfer of funds from the NYCDEP, Westchester County, and Putnam County to the EOHWC for implementing the SRPs. There are four primary funding sources for the design, permitting, and construction of SRPs:

1. NYCDEP from 2010 Water Supply Permit (WSP): \$15.5 million
2. NYCDEP from 2007 Filtration Avoidance Determination (FAD): \$4.5 million
3. Westchester County from 1997 Memorandum of Agreement (MOA): \$10 million
4. Putnam County from 1997 Memorandum of Agreement (MOA): \$8.2 million

The Westchester County MOA funds were transferred to the EOHWC on June 20, 2012. An initial transfer of \$250,000 of the Putnam County MOA funds to the EOHWC was completed in April 2012. A partial transfer (\$7,447,815.35) of the Putnam County MOA funds to the EOHWC was completed on June 15, 2012. The final transfer (\$75,981.11) of the Putnam County MOA funds was transferred to the EOHWC on October 22, 2012. The remainders of the Putnam County MOA funds were used by Putnam County to provide funding for Year 2 stormwater retrofit projects. The transfers were authorized by Intermunicipal Agreements between the County and the municipalities located in each County.

The NYCDEP Funding Agreement was registered on July 18, 2013. From the Funding Agreement, an initial disbursement of \$10,000,000 was transferred to EOHWC on September 23, 2013 from the Water Supply Permit (WSP) allocation. The FAD funding in the amount of \$4,500,000 was transferred to the EOHWC on March 21, 2014. The remaining WSP (\$5,500,000) funds have not been transferred to the EOHWC, and will be invoiced in accordance with the requirements of the Funding Agreement.

The WSP and FAD funds are principal funds, bonded by the NYCDEP for capital expenditures. Thus, projects completed using these funds must, at minimum, have a 5-year life span, minimum total project cost of \$35,000, and have begun after January 1, 2011. The MOA funds are interest on funds previously provided by NYCDEP to Putnam and Westchester counties, and are only restricted to stormwater retrofit projects in the original County.

In addition, each municipality may seek grants from other sources (e.g. NYSDEC Water Quality Investment Program, Environmental Facilities Corporation, etc.). Grants for stormwater retrofits were awarded to the Town of Bedford, Town of Kent, Town of North Salem, Town of Somers, and Village of Pawling. NYSDEC grants include a match requirement by the recipient. EOHWC will reimburse the municipalities for the match component, if requested.

The following tables provide various data describing the EOHWC financial status. The Total Expenditures, based on the four primary expense categories, are shown in Tables 7A and 7B. The expense categories can be generally described as follows:

1. **General Administration:** Expenses internal to EOHWC operations, including non-project expenses (salaries, benefits, travel, office equipment/supplies, computer hardware and software, advertising, utilities, insurance, rent, etc.).
2. **Project Administration:** Expenses internal to EOHWC operations for project expenses (e.g. reviewing design submittals, project designs, coordinating with consultants and/or contractors, project meetings, etc.).
3. **Design:** Fees paid by EOHWC to engineering consultants, in accordance with Professional Service Contracts, Task Orders, and/or Change Orders. This may also include reimbursement to municipalities for design fees paid by the municipality, and/or reimbursement to municipalities for the match component of a grant for the design of an acceptable SRP.
4. **Construction:** Fees paid by EOHWC to construction contractors, in accordance with an executed Agreement included within the Contract/ Bid Documents, and/or Change Orders. This may also include reimbursement to municipalities for construction costs paid by the municipality.

Table 7A: Total Expenditures (2014)

Expense Type	Amount
General Administration	\$ 488,909 (5.9%)
Project Administration	\$ 170,459 (2.1%)
Design	\$ 1,355,681 (16.3%)
Construction	\$ 6,299,001 (75.7%)
TOTAL	\$ 8,314,050

Table 7B: Total Expenditures (2012 thru 2014)

Expense Type	Amount
General Administration	\$ 1,118,190 (5.3%)
Project Administration	\$ 469,410 (2.3%)
Design	\$ 3,687,850 (17.3%)
Construction	\$ 15,949,061 (75.1%)
TOTAL	\$ 21,224,511

Table 8 includes a summary of the various source funds available to EOHWC for stormwater retrofit projects, and lists the total expenses against each source fund. Putnam County funds in the amount of \$4.7 million were used to fund WSP projects above the initial \$10 million received and will be replenished upon receipt of the additional \$5.5 million WSP funding.

Table 8: Fund Summary (2012-2014)

Source Fund	Initial Funds Received	Earnings/(Expenses)	Remaining
Putnam County MOA	\$ 7,773,796	(\$ 5,515,001)	\$ 2,258,795
Westchester County MOA	\$ 10,000,000	(\$ 1,132,808)	\$ 8,867,192
DEP Funding Agreement (WSP)	\$ 10,000,000	(\$ 10,000,000)	\$ 0
DEP Funding Agreement (FAD)	\$ 4,500,000	(\$ 4,500,000)	\$ 0
Bedford (Non-SRP)	\$ 70,000	(\$ 70,000)	\$ 0
Interest Earnings	\$ 72,042	(\$ 6,701)	\$ 65,341
Adjust for prepaid and Accruals			\$ 109,186
Totals	\$ 32,415,838	(\$ 21,224,511)	\$11,300,514

The target SRP efficiency, based on available funding of \$38.2 million and a phosphorus removal requirement of 459.5 kg, is approximately \$83,000/kg. Based on the project and financial data to date, the approximate average SRP efficiency for SRPs in progress, completed, and/or cancelled as part of the EOHWC program, is

\$70,000/kg. Not counting projects which were completed prior to the formation of the EOHWC, the current projected efficiency of the EOHWC program is \$85,000/kg.

As the Funding Agreement source funds were not available to EOHWC until September 2013, project and administration costs were charged against the Putnam and/or Westchester MOA source funds. Upon receipt of the initial disbursement from the Funding Agreement, funds previously spent from the Putnam and/or Westchester MOA source funds on eligible expenses were reclassified from the Funding Agreement to the Putnam and/or Westchester MOA source funds.

6. FUTURE WORK

6.1 Completion of the 5-Year Stormwater Retrofit Program

The EOHWC is advancing towards the completion of the 5-Year Stormwater Retrofit Program on December 31, 2015. All projects which are scheduled to count towards the required 459.5 kg/yr removal total will be completed through construction this calendar year.

6.2 Operation and Maintenance Policy

To comply with the MS4 General Permit, the member municipalities must complete routine O&M on the SRPs. The EOHWC is developing an O&M policy to describe: the O&M requirement; who will be responsible for O&M; and how O&M will be funded if EOHWC has funds for O&M, and if EOHWC does not have funds for O&M.

6.3 Program Requirements and Funding for Years 6-10

The East of Hudson Watershed Coalition will begin negotiation of the Years 6-10 stormwater retrofit program requirements and funding requirements. This task cannot be supported or executed by EOHWC under the current requirements of the Funding Agreement and IMA's.

6.4 Additional MS4 responsibilities for EOHWC

The Board of Directors has discussed assigning additional responsibilities to EOHWC for compliance with the MS4 General Permit. Some of these responsibilities may include education and mapping. Additional funding sources will have to be identified and secured, as the current funding sources are limited to phosphorus- reducing stormwater retrofit projects. This will require an increase in staffing levels, dependent on the additional responsibilities assigned to EOHWC and funding.




EAST OF HUDSON WATERSHED CORPORATION

Appendix A: ABO Budget

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EAST OF HUDSON WATERSHED CORPORATION
Revised Budget as of 4-30-15



	Actual			Est	Total Since Inception
	2012	2013	2014	2015	
FINANCIAL SOURCES					
Interest	\$ 23,555	\$ 32,757	\$ 15,730	\$ 10,000	\$ 82,042
Putnam/Westchester Funds	17,773,796	-	-	357,850 (1)	18,131,646
Bedford Funds	-	70,000	-	-	70,000
NYC DEP	-	10,000,000	4,500,000	5,500,000 (2)	20,000,000
TOTAL FINANCIAL SOURCES	\$ 17,797,351	\$ 10,102,757	\$ 4,515,730	\$ 5,867,850	\$ 38,283,688
EXPENDITURES					
Compensation (Salaries plus Health Insurance and PR Tax expense)					
Project Manager		\$ 73,481	91,709	102,000	\$ 267,190
Project Engineer			-	92,000	92,000
Controller			30,686	97,000	127,686
Accounts Payable Coordinator			3,648	20,000	23,648
Records Management coordinator			3,648	25,000	28,648
Office Manager		18,396	60,000	18,000	96,396
In-house Attorney			67,457	-	67,457
Executive Director	105,907	166,043	118,000	-	389,950
Prior (other staff)	50,260	71,463	-	-	121,723
Total Compensation	\$ 156,167	\$ 329,383	\$ 375,148	\$ 354,000	\$ 1,214,699
Project costs	\$ 1,801,195	\$ 10,479,985	\$ 7,825,141	\$ 10,900,000	\$ 31,006,321
Other Expenditures	\$ 93,060	\$ 25,838	\$ 113,761	\$ 219,460 (3)	\$ 452,118
TOTAL EXPENDITURES	\$ 2,050,422	\$ 10,835,206	\$ 8,314,050	\$ 11,473,460	\$ 32,673,138
Cumulative excess (deficiency) of financial sources over expenditures				(4) (5)	\$ 5,610,550

(1) Includes \$91,000 received plus additional \$266,850 due from Putnam County.

(2) Remaining WSP funding to be invoiced in 2015.

(3) Other expenditures for 2015 include \$110,000 Legal/Audit, \$45,000 rent and \$30,000 Insurance.

(4) Remaining funds balance is before estimates for EOHWC share of O&M.

(5) All remaining funds are County funds (WQIP) due to WSP and FAD having been spent in full.

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EAST OF HUDSON WATERSHED CORPORATION

Appendix B: NYSDEC Year 5 Stormwater Retrofit Program Progress Report

As submitted February 4, 2015

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EAST OF HUDSON WATERSHED CORPORATION

NYSDEC Year 5 Stormwater Retrofit Program Progress Report



Photo provided by Insite Engineering, Surveying, & Landscape Architecture, P.C.

Prepared By: Kevin Fitzpatrick, P.E.
Date: January 31, 2015

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EAST OF HUDSON WATERSHED CORPORATION

This Year 5 Stormwater Retrofit Progress Report (Y5 SRPR) has been prepared by the East of Hudson Watershed Corporation (EOHWC) to document the progress of the stormwater retrofit program in the East of Hudson New York City Watershed through 2014 (Year 5). It is submitted in fulfillment of the requirements of Part IX.A.5.b of the May 1, 2010, SPDES General Permit for Stormwater Discharges from MS4's (MS4 Permit)

The EOHWC was established as a regional stormwater entity under Part IV.B of the MS4 Permit to administer, coordinate and implement the East of Hudson regional stormwater retrofit projects (SRPs) with funding made available by the NYCDEP, Westchester County, and Putnam County. Through the EOHWC, the member municipalities are collectively achieving compliance with their SRP requirements, regardless of the physical location of each retrofit.

The Year 5 SRPs for each member municipality were identified by stormwater technical committees in Dutchess, Putnam, and Westchester counties and by Town personnel (e.g. town engineer, highway superintendent). The stormwater technical committees include: the Croton-Kensico Watershed Intermunicipal Coalition (CKWIC), the Putnam County MS4 Coordinating Committee (PCMS4CC) Stormwater Technical Advisory Committee (STAC), and the Dutchess County MS4 Coordination Committee.

The Year 5 work plan was submitted to and approved by the New York State Department of Environmental Conservation (NYSDEC). The SRPs are phosphorus reducing stormwater retrofit projects designed to attain the five-year phosphorus removal requirement established by the NYSDEC. Construction contracts for those projects currently in design will be executed in either 2015 or 2016, depending on several factors including design progress, municipal review and acceptance, and easement negotiations. Construction of all Year 5 SRPs is expected to be completed in 2015/2016.



EAST OF HUDSON WATERSHED CORPORATION

Based on the information collected by EOHWC, the current status of the SRP program is summarized in Table 1. The individual municipalities began stormwater retrofit projects in Year 1 and continued through Year 2. In Year 3, EOHWC began to manage, administer, and fund stormwater retrofit projects and has continued serving in this function for Years 4 and 5. To date, the EOHWC has been credited with 251.4 kg/yr of phosphorus removal by the NYSDEC. EOHWC has completed projects totaling 261.8 kg/yr of phosphorus removal at the time of this report and will be submitting additional project credit in early 2015 at the completion of all open construction contracts.

EOHWC is currently on track to exceed their 5-Year phosphorus removal requirement should all estimated project totals receive final removal credit by the NYSDEC.



EAST OF HUDSON WATERSHED CORPORATION

Table 1: Stormwater Retrofit Program Summary

MS4	Five Year Phosphorus Reduction Requirement(1) (kg/yr)	Actual Phosphorus Reduction (kg/yr)				Estimated Phosphorus Reduction (kg/yr)				Estimated Totals (kg/yr)	
		Year 1 (2)	Year 2 (2)	Year 3 (2)	Year 4 (2)	Year 2 (3)	Year 3 (3)	Year 4 (3)	Year 5 (3)	Total Reduction (4)	Remaining Reduction Requirement
Bedford	32.2	9.1	7.3	5.4	3.7	-	-	-	24.7	50.2	0.0
Brewster	9.2	-	-	83.6	-	-	-	-	-	83.6	0.0
Carmel	72.0	3.7	7.5	7.7	-	-	6.7	-	12.2	37.8	34.2
Cortlandt	11.6	-	-	-	-	-	3.2	-	5.1	8.3	3.3
Kent	33.6	9.6	4.7	10.0	-	-	1.1	3.6	-	28.9	4.7
Lewisboro	35.5	4.0	-	-	-	-	-	23.3	6.3	33.6	1.9
Mount Kisco	18.7	0.8	-	-	-	-	-	21.5	-	22.3	0.0
New Castle	25.1	-	-	-	-	-	-	-	6.8	6.8	18.3
North Castle	1.0	-	-	-	-	-	-	-	-	0.0	1.0
North Salem	19.1	-	7.1	-	9.8	-	8.4	-	-	25.3	0.0
Patterson	17.2	3.3	1.6	10.4	-	-	-	3.8	5.3	24.4	0.0
Pound Ridge	9.5	-	-	-	-	-	-	-	-	0.0	9.5
Putnam Valley	1.0	-	-	-	-	7.5	-	-	-	7.5	0.0
Town of Pawling	3.5	-	1.7	-	-	-	-	-	2.5	4.2	0.0
Village of Pawling	4.3	-	0.03	-	-	-	-	-	-	0.0	4.3
Somers	50.0	10.4	1.5	10.1	-	-	5.9	24.2	2.6	54.6	0.0
Southeast	31.1	8.8	-	21.3	-	31.2	-	-	-	61.4	0.0
Yorktown	54.0	0.1	-	6.1	-	-	8.1	-	14.9	29.2	24.8
Putnam County	30.9	1.9	-	10.7	-	-	-	5.8	4.4	22.8	8.1
Total	459.5	51.7	31.4	165.3	13.5	38.7	33.4	82.1	84.7	500.8	0.0

(1) Sources: "Stormwater Retrofit Program" by Putnam County MS4 Coordinating Committee, dated December 31, 2009; and "Regional Stormwater Implementation Plan", by CKWIC, August 2010.

(2) Sources: "Summary of Completed Retrofit Projects: Project Years 1 & 2" and "Summary of Completed Retrofit Projects: Project Years 3 & 4" by EOHWC and dated 10/31/2014; email from Robert Capowski on December 9 and December 11, 2014

(3) Estimated from information provided by engineering consultants providing professional services under contract from Solicitations 2012-01, 2012-02, 2013-03, 2013-04, 2013-05, 2013-06, 2013-07, 2013-09, 2013-10, 2013-11, 2013-12; from some municipalities with NYSDEC grants for stormwater retrofit projects; and conceptual design from EOHWC. The actual phosphorus removal will be



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determined based on the submission of Record Documents stamped by a Professional Engineer to the NYSDEC.

(4) Value shown is expected to decrease as SRP evaluation and design progresses.



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EOHWC Project Summaries

B-CR-29 (Mount Holly Road – Year 1) – Located in the Town of Bedford, this retrofit project included a channel stabilization along Mount Holly Road. This project was completed by the municipality and funded by Westchester County. This project has been approved by the NYSDEC.

B-MU-07 (Bedford Hills Memorial Park – Year 3) – Located in the Town of Bedford's Memorial Park, this retrofit project included the installation of a new Wet Extended Detention Pond. The project also included modifications to the existing stormwater conveyance system in order to direct runoff to the retrofit prior to being discharged to Lake Marie. This project has been approved for final credit by the NYSDEC.

B-MU-21 (Beaver Dam Road – Year 2) – Located in the Town of Bedford, this retrofit was originally part of the Year 2 plan. Intended to be completed in Year 3, this project was included in the Solicitation #2 project list and subsequently removed to be completed by the municipality. The retrofit project originally included channel stabilization of an existing drainage course and installation of a Micropool extended Detention Pond and Pocket Pond. The retrofit was revised to subsurface infiltration. Construction was completed in 2013 and this project has been approved for final credit by the NYSDEC.

B-MU-22 (The Narrows – Year 2) – Located in the Town of Bedford, this retrofit project includes the installation of a Hydrodynamic Separator and infiltration practices on Town property. Construction was completed in 2013 and this project has been approved for final credit by the NYSDEC.

B-MU-23 (North Street– Year 1) – Located in the Town of Bedford, this retrofit project included the installation of brick pavers and perforated pipe underdrain to replace existing concrete gutter along North Street. This project was completed by the municipality, funded by Westchester County, and approved by the NYSDEC.

B-MU-24 (School Street – Year 1) – Located in the Town of Bedford, this retrofit project included the installation of brick pavers and perforated pipe underdrain to replace existing concrete gutter along School Street. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

B-MU-25 (Guard Hill Road – Year 1) – Located in the Town of Bedford, this retrofit project included the stabilization of an existing dirt channel along Guard Hill Road. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.



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B-MU-28 (High Street/Ridge Street – Year 1) – Located in the Town of Bedford, this retrofit project included stabilization of an existing earthen channel along High and Ridge Street. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

B-MU-30 (South Church Street – Year 2) – Located in the Town of Bedford, this retrofit project included installation of a new infiltration basin to treat drainage from South Church Street. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

B-MU-32 (Babitt Road – Year 4) – Located in the Town of Bedford, this retrofit project included stabilization of an existing earthen channel along Babitt Road. This project was constructed by the municipality in 2013 and has been approved for final credit by the NYSDEC.

B-MU-33A (Guard Hill East – Year 5) – Originally part of the Year 4 Plan postponed to Year 5, this SRP is located in the Town of Bedford and includes channel stabilization and construction of a new forebay along Guard Hill and Clark Road. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

B-MU-33B (Sunnyfield Farm – Year 5) – Located in the Town of Bedford, the proposed SRP is a wet detention pond on private property. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

B-MU-34 (Wood Road – Year 5) – Originally part of the Year 4 Plan postponed to Year 5, this SRP is located in the Town of Bedford and includes channel stabilization along Wood Road. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

B-MU-35 (Broad Brook Road – Year 5) – Originally part of the Year 4 Plan postponed to Year 5, this SRP is located in the Town of Bedford and includes channel stabilization and infiltration along Broad Brook Road. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

B-MU-38A (314 Mount Holly Road – Year 5) – Located in the Town of Bedford, this retrofit project includes construction of a wet extended detention pond on private and public property on Mount Holly Road. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

B-MU-41 (Succabone and Bisbee Road) – Located in the Town of Bedford, this retrofit project includes subsurface infiltration on public property on Mount Holly Road. This



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project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

B-NCR-27 (South Beach Road – Year 1) – Located in the Town of Bedford, this retrofit project included stabilization of an existing dirt channel along South Beach Road. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

Carmel-AM-111 (Mahopac Falls Elementary School – Year 4) – Located in the Town of Carmel, the proposed SRP originally called for construction of a subsurface sand filter to capture runoff from the existing parking lots and school grounds. The project has since split into two separate SRP's following further evaluation of the project site. Descriptions of Carmel-AM-111A and B are provided below.

Carmel-AM-111A (Mahopac Falls Elementary School – Year 4) – Located in the Town of Carmel, the proposed SRP includes construction of a new subsurface infiltration system to capture runoff associated with existing and new parking areas and roof runoff from the elementary school buildings. Detailed design of this project is complete and construction is anticipated to commence in 2015.

Carmel-AM-111B (Mahopac Falls Elementary School – Year 4) – Located in the Town of Carmel, the proposed SRP includes construction of a new subsurface infiltration system to capture runoff associated with existing parking areas and roof runoff from the high school buildings. Detailed design of the retrofit is in progress and construction is expected to start in 2015, pending acceptance by the owner.

Carmel-AM-112 (Austin Road Elementary School – Year 3) – Located in the Town of Carmel, this retrofit project originally called for the installation of a new detention pond upon the initial field evaluation of the site. The proposed practice has since been revised to subsurface infiltration following concerns expressed by the Mahopac Central School District regarding open water hazards directly adjacent to a school building. Construction was completed in 2013 and this project has been approved for final credit by the NYSDEC.

Carmel-AM-116 (Mahopac Middle School – Year 3) - Located in the Town of Carmel, this retrofit project originally called for the installation of a new detention pond upon the initial field evaluation of the site. The proposed practice has since been revised to subsurface infiltration. Construction was completed in 2013 and this project has been approved for final credit by the NYSDEC.

Carmel-AM-125 (Year 2) - Located in the Town of Carmel, this retrofit project included construction of a detention pond. This project was completed by the municipality and funded by Putnam County. This project has been approved by the NYSDEC.



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Carmel-AM-127 (Year 2) - Located in the Town of Carmel, this retrofit project included installation of a hydrodynamic separator. This project was cancelled.

Carmel-AM-129 (Hitchcock Hill Road – Year 1) – Located in the Town of Carmel, this retrofit project included the installation of a hydrodynamic separator in an existing drainage system along Hitchcock Hill Road. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Carmel-CF-102 (Guide Post Seminary – Year 3) – Located on private property in the Town of Carmel, this retrofit project originally called for the installation of a new detention pond upon initial field evaluation of the site. The project has since split into two separate SRP's following further evaluation of the project site. Descriptions of Carmel-CF-102A and B are provided below.

Carmel-CF-102A (Guide Post Seminary – Year 3) – Located in the Town of Carmel, this proposed retrofit project called for channel stabilization on private property on Guide Post Seminary property off of Hill Road. Construction began in late 2014 and is expected to conclude in early 2015.

Carmel-CF-102B (Guide Post Seminary – Year 3) – Located in the Town of Carmel, this proposed retrofit project called for channel stabilization on private property on Guide Post Seminary property off of Hill Road. Construction began in late 2014 and is expected to conclude in early 2015.

Carmel-CF-103 (Putnam Hospital Center – Year 4) – Located on private property in the Town of Carmel, the proposed SRP is for an extended detention wet pond. The SRP will treat the runoff from a portion of the parking lot and hospital buildings. This project is currently in the design phase and is on hold due to coordination difficulties with the site owner.

Carmel-CF-113 (Fulmar Road Elementary School – Year 3) – Located in the Town of Carmel, the proposed SRP originally called for construction of a new detention pond. The project has since split into three separate SRP's following further evaluation of the project site. Descriptions of Carmel-CF-113A through C are provided below.

Carmel-CF-113A (Fulmar Road Elementary School – Year 3) – Located in the Town of Carmel, this SRP includes the construction of a new subsurface infiltration system. Detailed design of the retrofit is complete, however construction has been postponed due to the estimated cost of the project.

Carmel-CF-113B (Fulmar Road Elementary School – Year 3) – Located in the Town of Carmel, this SRP includes the construction of a new bioretention basin. Detailed design of the retrofit is complete, however construction has been postponed due to the estimated cost of the project.



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Carmel-CF-113C (Fulmar Road Elementary School – Year 3) – Located in the Town of Carmel, this SRP includes the construction of a new subsurface infiltration system. Detailed design of the retrofit is complete, however construction has been postponed due to the estimated cost of the project.

Carmel-CF-119B (Kelly Ridge & St. Michael's Terrace – Year 2) – Located in the Town of Carmel, this retrofit project included the installation of a new detention pond in a residential area by St. Michael's Terrace. Construction was completed in 2014 and this project has been approved for final credit by the NYSDEC.

Carmel-CF-123 (Garret Place – Year 2) – Located in the Town of Carmel, this retrofit project included the stabilization of an existing earthen channel along Garret Place. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Carmel-CF-124 (Kennicut Hill Road – Year 5) – Located in the Town of Carmel, the proposed SRP includes the construction of a new Wet Extended Detention Pond. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

Carmel-PA-01 (Shop Rite – Year 3) – Located in the Town of Carmel, this retrofit project which has been cancelled as an agreement could not be reached with the private property owner.

Carmel-PA-03 (The Meadows Plaza – Year 4) – Located in the Town of Carmel, this retrofit project which has been cancelled as an agreement could not be reached with the private property owner.

Carmel-PA-08 (Carmel HS - Year 4) – Located in the Town of Carmel, the proposed SRP is for a cistern installation. The project has been cancelled as this is not an accepted SRP.

Carmel-PRE-02 (Lakeview Court – Year 1) – Located in the Town of Carmel, this retrofit project included the stabilization of an existing outfall at Lakeview Court. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Carmel-PRE-03 (Silvergate Road – Year 1) – Located in the Town of Carmel, this retrofit project included the stabilization of an existing outfall at Silvergate Road. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.



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Carmel-PRE-04 (Red Mills Road – Year 1) – Located in the Town of Carmel, this retrofit project included the stabilization of an existing outfall at Red Mills Road. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Carmel-PRE-06 (Belden Road – Year 1) – Located in the Town of Carmel, this retrofit project included the stabilization of an existing roadside channel along Belden Road. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Carmel-PRE-07 (Colier Drive – Year 1) – Located in the Town of Carmel, this retrofit project included the stabilization of an existing roadside channel along Belden Road. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

C-NC-01 (Quarry Acres Subdivision – Year 3) – Located in the Town of Cortlandt, this project has been cancelled and replaced with C-NC-01B.

C-NC-01A (Quarry Acres Subdivision – Year 3) – Located in the Town of Cortlandt, this retrofit originally called for channel stabilization upon initial field evaluation of the site. The proposed practice has since been revised to also include the construction of a Micropool Extended Detention Pond in addition to channel stabilization. Detailed design of the project is complete however construction has been postponed due to the estimated cost of the project.

C-NC-01B (Quarry Acres Subdivision – Year 3) – Located in the Town of Cortlandt, this retrofit project replaced C-NC-01. The retrofit includes channel stabilization and the installation of a Micropool Extended Detention Pond. Detailed design of the project is complete and construction is expected to begin in 2015.

C-NC-05A (Correia Building Site – Year 5) – Located in the Town of Cortlandt, this retrofit project includes the construction of a wet pond on private property. Detailed design of the project is complete and construction is expected to begin in 2015.

Kent-MB-Add 2 (Lake Shore Drive & Cottage Road – Year 3) – Located in the Town of Kent, this retrofit includes the installation of Wet Extended Detention Pond (P-3). Construction was completed in 2013 and this project has been approved for final credit by the NYSDEC.

Kent-MB-Add-3 (Lake Shore Drive and Valhalla Road – Year 3) – Located in the Town of Kent, this retrofit project includes the installation of a new Micropool Extended Detention Pond on Town property. Construction was completed in 2013 and this project has been approved for final credit by the NYSDEC.



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Kent-MB-Add-4 (Ryan Park – Year 3) – Located in the Town of Kent's Ryan Park, this retrofit includes the installation of a Hydrodynamic Separator. Construction was completed in 2013 and this project has been approved for final credit by the NYSDEC.

Kent-MB-Add 5 (Kent Recreation Building – Year 3) – Located in the Town of Kent, this retrofit includes the installation of a Dry Swale on Town property. Construction was completed in 2013 and this project has been approved for final credit by the NYSDEC.

Kent-MB-Add-19 (Ryan Park – Year 3) – Located in the Town of Kent's Ryan Park, this retrofit project includes the removal of an existing eroded channel and installation of a new sand filter. Construction was completed in 2013 and this project has been approved for final credit by the NYSDEC.

Kent-MB-2 (Putnam Drive – Year 4) – Located in the Town of Kent, the proposed SRP is for the installation of a hydrodynamic separator. This project has been cancelled due to site constraints.

Kent-MB-3 (Sebago Drive – Year 4) – Located in the Village of Kent, the proposed SRP is for a wet swale near the intersection of Sebago Road and State Route 311 in Kent, NY. This project has been cancelled due to site constraints.

Kent-MB-311B (State Route 311 and I-84 – Year 4) – Located in the Village of Kent, the proposed SRP has 3 major components; a new wet detention pond, channel stabilization, and pond enlargement. Drainage from an existing residential area has created an erosion channel which is to be repaired and runoff redirected to an engineered channel. This channel will lead to a newly constructed stormwater pond for treatment. The existing stormwater pond at the intersection of Route 311 and Interstate 84 will also be expanded to treat runoff from developed areas which currently bypass the existing pond. This project is currently in the design phase.

Kent-MB-NLC (North Lake Carmel Stormwater Improvements – Year 2) – Located in the Town of Kent, this retrofit project included multiple improvements to the North Lake Carmel Stormwater system. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Kent-PA-31 (Putnam Stone & Mason Supply – Year 3) – Located in the Town of Kent, the proposed retrofit originally included a Dry Swale (O-1). The project has been revised to a Wet Swale (O-2). Detailed design of the revised practice is complete and construction is expected to start in 2015.

Kent-PRE-06a (202 Boyds Corner Road – Year 1) – Located in the Town of Kent, this retrofit project included outfall stabilization. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.



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Kent-PRE-06b (236 Boyds Corner Road – Year 1) – Located in the Town of Kent, this retrofit project included outfall stabilization. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Kent-PRE-06c (322 Boyds Corner Road – Year 1) – Located in the Town of Kent, this retrofit project included outfall stabilization. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Kent-PRE-06d (326 Boyds Corner Road – Year 1) – Located in the Town of Kent, this retrofit project included outfall stabilization. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Kent-PRE-06e (Farmers Mills Road – Year 1) – Located in the Town of Kent, this retrofit project included channel stabilization. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Kent-PRE-06f (Meadow Brook Court – Year 1) – Located in the Town of Kent, this retrofit project included outfall stabilization. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Kent-PRE-03 (Barrett Hill/Route 52 – Year 1) – Located in the Town of Kent, this retrofit project included the installation of a hydrodynamic separator. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

L-CR-10A (The Meadows Subdivision – Year 4) – Located in the Town of Lewisboro, the proposed SRP is a micropool extended detention pond located south of Winterberry Court in The Meadows Subdivision in Lewisboro, NY. This has been cancelled.

L-CR-10B (The Meadows Subdivision – Year 4) – Located in the Town of Lewisboro, the proposed SRP is a micropool extended detention pond located north of Winterberry Court in The Meadows Subdivision in Lewisboro, NY. This project has been cancelled.

L-CR-11A (John Jay High and Middle School – Year 4) – Located in the Town of Lewisboro, the proposed SRP is for the expansion of an existing micropool extended detention pond. Construction was completed in 2014.

L-CR-11B (John Jay High and Middle School – Year 4) – Located in the Town of Lewisboro, The proposed SRP originally called for bioretention. The project has since been revised to include the construction of a new Wet Extended Detention Pond. Construction was completed in 2014.



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L-CR-11C (John Jay High and Middle School – Year 4) – Located in the Town of Lewisboro, the proposed SRP includes stabilization of approximately 330 linear feet of an existing eroded drainage channel. Construction was completed in 2014.

L-CR-11D (John Jay High and Middle School – Year 4) – Located in the Town of Lewisboro, the proposed SRP is a subsurface infiltration system. This project has subsequently been cancelled during the design phase due to unsuitable soil conditions.

L-CR-11E (John Jay High and Middle School – Year 4) – Located in the Town of Lewisboro, the proposed SRP is a pocket pond. The project site is adjacent to North Salem Road. This project has subsequently been cancelled during the design phase due to existing site constraints.

L-CR-13 (Tator Dodge – Year 4) – Located in the Town of Lewisboro, this project has been cancelled following an initial evaluation.

L-CR-14 (Lewisboro Highway Garage – Year 3) – Located in the Town of Lewisboro, this retrofit originally included an infiltration practice. The project has been revised to a Sub-surface Sand Filter. This project has subsequently been cancelled during the design phase following a cost analysis evaluating the efficiency of the proposed retrofit.

L-CR-15 (Twin Lakes Road – Year 1) – Located in the Town of Lewisboro, this retrofit project included the installation of riprap and grass swales along Twin Lakes Road to direct runoff to a new plunge pool and level spreader. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

L-CR-16 (Old Pond Road – Year 3) – Located in the Town of Lewisboro, this retrofit originally included channel stabilization. The project has been revised to a Pocket Pond (P-5) on private property. This project has subsequently been cancelled during the design phase following a cost analysis evaluating the efficiency of the proposed retrofit.

L-CR-17 (Tarry-A-Bit Drive – Year 3) – Located in the Town of Lewisboro, this retrofit includes channel stabilization. This SRP was cancelled by EOHWC due to site constraints and impact to private property.

L-CR-21 (Lake Kitchawan Stream – Year 1) – Located in the Town of Lewisboro, this retrofit project included a Vortec Hydrodynamic Separator and basin, discharging to the lake. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.



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L-CR-25 (Truesdale Lake and Lakeshore Drive –Year 3) – Located in the Town of Lewisboro, this retrofit includes a Hydrodynamic Separator. This SRP was cancelled by EOHWC due to site constraints.

L-CR-26 (Truesdale Lake Drive – Year 1) – Located in the Town of Lewisboro, this retrofit project included the stabilization of an existing eroded channel and installation of a new hydrodynamic separator along Truesdale Lake Drive. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

L-CR-28 (Schoolhouse Road – Year 4) – Located on private property in the Town of Lewisboro, the proposed SRPs originally included two pocket wetland systems. The project has since been revised to include the construction of a new Wet Extended Detention Pond and Micropool Extended Detention Pond. This project is currently in the design phase with construction expected to take place in 2015.

L-CR-29 (Salem Hill Road – Year 5) – Located on private property in the Town of Lewisboro, the proposed SRP includes the construction of a new Wet Extended Detention Pond. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

L-CR-30 (Mead Street – Year 5) – Located on private property in the Town of Lewisboro, the proposed SRP includes the construction of a new Extended Detention Shallow Wetland. Detailed design was completed by the municipality and construction is expected to be completed in 2015.

MK-NC-06 (The Park – Year 4) – Located in the Town of Mount Kisco, the proposed SRP is for subsurface infiltration. The project has been cancelled due to its location on private property.

MK-NC-07 (The Commons – Year 4) – Located in the Town of Mount Kisco, the proposed SRP is for subsurface infiltration. The project has been cancelled due to its location on private property.

MK-NC-09 (American Legion Building – Year 3) - Located in the Village of Mount Kisco, this project has been cancelled as it is located within a classified stream, and an alternative project location could not be identified.

MK-NC-14 (Sunny Ridge Road – Year 4) – Located in the Town of Mount Kisco, the proposed SRP is for two bioretention areas. This project has been cancelled due to its location on private property.



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MK-NC-15 (Village Sewer Pump Station Driveway Stabilization – Year 1) – Located in the Village of Mount Kisco, this retrofit project included the stabilization of an existing dirt driveway at the Village sewer pump station with asphalt millings. This project was completed by the municipality, funded by Westchester County, and approved by the NYSDEC.

MK-NC-18 (Hillside Water Tower Access Driveway Stabilization – Year 1) – Located in the Village of Mount Kisco, this retrofit project included the stabilization of an existing earthen access driveway to the Hillside Water Tower with asphalt millings. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

MK-NC-19 (Village Sewer Pump Station Rooftop Disconnect – Year 1) – Located in the Village of Mount Kisco, this retrofit project included disconnecting a roof drain that previously discharged to a wetland. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

MK-NC-20 (CVS, South Bedford Road – Year 4) – Located in the Village of Mount Kisco, the proposed SRP is for channel stabilization on an existing drainage channel located on private property. This project is currently in the design phase.

MK-NC-21 (Mt. Kisco Medical Group Satellite Office – Year 4) – Located in the Village of Mount Kisco, the proposed SRP is a pocket wetland. The engineered wetland will replace an unclassified manmade wetland. The project is currently in the design phase.

MK-NC-22 (Leonard Park – Year 4) – Located in the Village of Mount Kisco, the proposed SRPs are one dry swale, six surface sand filters, and eight bioretention areas. This project is currently in the design phase.

MK-NC-23 (Leonard Park Driveway Stabilization – Year 1) – Located in the Village of Mount Kisco, this retrofit project included the stabilization of an existing dirt driveway in Leonard Park with asphalt millings. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

MK-NC-24 (Leonard Park Pavement Removal – Year 1) – Located in the Village of Mount Kisco, this retrofit project included the removal of an asphalt path in Leonard Park, restoring the area to grass lawn area. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

MK-NC-25 (Mount Kisco Medical Group – Year 4) – Located in the Village of Mount Kisco, the proposed SRP is for the design of two hydrodynamic separators to be located on private property. This project has been cancelled.



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MK-NC-28 (Chase Subdivision – Year 4) – Located in the Village of Mount Kisco, the proposed SRP calls for the water quality treatment of a paved access road which has been installed on private property. This project has been cancelled due to site constraints.

MK-NC-29 (Mount Kisco DPW Yard – Year 4) – Located in the Village of Mount Kisco, the proposed SRP is a wet pond. The Village began design in 2013 and construction is expected to begin in 2015.

MK-NC-30 (71 Maple Ave – Year 4) – Located in the Village of Mount Kisco, the proposed SRP called for the removal of existing impervious area. This is not an eligible SRP and therefore has been removed from our list of potential projects.

MK-NC-31 (Perforated Drain Pipe Installation – Year 1) – Located in the Village of Mount Kisco, this retrofit project included the installation of perforated drain pipe whenever the Village replaced existing pipes to provide infiltration. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

MK-NC-32 (Infiltration for House Additions – Year 1) – The Village of Mount Kisco now requires any house addition to infiltrate runoff from any increase in impervious surfaces.

MK-NC-33 (Brook Street – Year 4) – Located in the Village of Mount Kisco, the proposed SRP is channel stabilization to take place on municipal and private property. The Village began design in 2013 and construction is expected to begin in 2015.

MK-NC-34 (Leonard Park Riparian Buffer – Year 4) – Located in the Village of Mount Kisco, the proposed SRP was the installation of a riparian buffer around an existing pond in Leonard Park. This is not an eligible SRP and therefore has been removed from our list of potential projects.

NewC-NCR-04A (Millwood Business Center – Year 4) – Located in the Town of New Castle, the proposed SRP is a pocket pond. This project has been cancelled due to its location on private property.

NewC-NCR-04B (Millwood Business Center – Year 4) – Located in the Town of New Castle, the proposed SRP is a wet detention pond. This project has been cancelled due to its location on private property.

NewC-NCR-05A (Westorchard School – Year 5) – Located in the Town of New Castle, the proposed SRP includes the construction of a new subsurface infiltration



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system. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

NewC-NCR-05B (Westorchard School – Year 5) – Located in the Town of New Castle, the proposed SRP includes the construction of a new dry swale. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

NewC-NCR-07 (Seven Bridges School – Year 4) – Located in the Town of New Castle, the proposed SRP is for an increase in storage capacity of an existing pond system. This project has been cancelled due to site constraints.

NewC-NCR-08 (Random Farms – Year 4) – Located in the Town of New Castle, the proposed SRP is for the construction of a forebay to an existing pond system. Based upon the feasibility and location of the project, it has been cancelled.

NewC-NCR-12A (Horace Greeley High School – Year 4) – Located in the Town of New Castle, the SRP originally called for the installation of a Wet Detention Pond. The project has since been revised to bioretention. Detailed design of the project has been completed, however the project was cancelled due to high construction costs.

NewC-NCR-12B (Horace Greeley High School – Year 4) – Located in the Town of New Castle, the original SRP is for a subsurface sand filter which has been revised to bioretention and underground infiltration. This project was subsequently cancelled during the design phase as it was deemed to not be viable upon further evaluation.

NewC-NCR-12C (Horace Greeley High School – Year 4) – Located in the Town of New Castle, the proposed SRP is for subsurface infiltration. Detailed design of the project has been completed, however the project was cancelled due to high construction costs.

NewC-NCR-13 (New Castle DPW – Year 4) – Located in the Town of New Castle, the proposed SRP is for the construction of a dry swale on the grounds of the DPW yard. This project has been cancelled.

NewC-NCR-19A (Fox Den Road – Year 4) – Located in the Town of New Castle, the proposed SRP is a wet extended detention pond. This project has been cancelled due to its location on private property.

NewC-NCR-32-2A (Old Roaring Brook Road – Year 4) – Located in the Town of New Castle, the proposed SRP is a bioretention area. This project has subsequently been cancelled during the design phase following a cost analysis evaluating the efficiency of the proposed project.



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NewC-NCR-32-2B (Old Roaring Brook Road – Year 4) – Located in the Town of New Castle, the proposed SRP is a pocket pond installed on private property. This project has subsequently been cancelled during the design phase following a cost analysis evaluating the efficiency of the proposed project.

NewC-NCR-32-3 (Old Roaring Brook Road – Year 4) – Located in the Town of New Castle, the proposed SRP is a pocket pond installed on private property. This project has subsequently been cancelled during the design phase following a cost analysis evaluating the efficiency of the proposed project.

NewC-NCR-32-4 (Old Roaring Brook Road – Year 4) – Located in the Town of New Castle, the proposed SRP is a pocket pond installed on private property. This project has subsequently been cancelled during the design phase following a cost analysis evaluating the efficiency of the proposed project.

NewC-NCR-33A (Burden Preserve – Year 5) – Located in the Town of New Castle, the proposed SRP includes channel stabilization on public property. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

NewC-NCR-33B (Burden Preserve – Year 5) – Located in the Town of New Castle, the proposed SRP includes channel stabilization on public property. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

NS-MU-01A (Back Street & West Cross Street – Year 3) – Located in the Town of North Salem, this retrofit project includes the installation of a new Extended Detention Pond on NYCDEP property. This project has subsequently been cancelled during the design phase following a cost analysis evaluating the efficiency of the proposed project.

NS-MU-01B (Back Street & West Cross Street – Year 3) – Located in the Town of North Salem, this retrofit originally included the installation of an infiltration practice on NYCDEP property. The project has been revised to a Surface Sand Filter. Detailed design of the revised practice is in progress and construction is expected to start in 2015.

NS-MU-01C (Front Street – Year 3) – Located in the Town of North Salem, this retrofit project includes the installation of a Bioretention practice on NYCDEP property. This project has subsequently been cancelled during the design phase following a cost analysis evaluating the efficiency of the proposed project.



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NS-MU-05 (North Salem DPW – Year 4) – Located in the Town of North Salem, the proposed SRP included subsurface infiltration and a micropool extended detention basin. This project has been executed by the Town of North Salem as part of a greater construction effort at their DPW yard and was constructed in 2014. This project has been approved for final credit by the NYSDEC.

NS-MU-08/09 (Sunset Drive and Westview Cross Road – Year 2) - Located in the Town of North Salem, this retrofit project included rehabilitation of existing eroded drainage channels. This project was completed by the municipality and approved for final credit by NYSDEC.

NS-MU-10 (Ridgeway Ave Culvert – Year 3) – Located in the Town of North Salem, this retrofit has been cancelled as it was located in a classified stream.

NS-MU-11 (Hand Scrabble Road Park – Year 3) – Located in the Town of North Salem's Hand Scrabble Road Park, this retrofit includes the installation of a new Extended Detention Pond. Detailed design of the practice is in progress and construction is expected to start in 2015.

Pat-EB-09-01 (Big Elm Road –Year 3) – Located in the Town of Patterson, this retrofit includes the installation of a new Pocket Pond (P-5) on Town property. Construction for this project was completed in 2014. This project has been approved for final credit by the NYSDEC.

Pat-EB-09-02 (Patterson Fire Department – Year 3) – Located in the Town of Patterson, this retrofit includes the installation of a new Pocket Pond on private property. This project has been cancelled due to issues obtaining the needed easements.

Pat-EB-09-03 (Veteran's Memorial Park – Year 4) – Located in the Town of Patterson, the proposed SRP originally called for construction of a pocket pond to treat runoff from the existing parking lots and park grounds. The project has since split into two separate SRP's following further evaluation of the project site. Descriptions of Pat-EB-09-03A and B are provided below.

Pat-EB-09-03A (Veteran's Memorial Park – Year 4) – Located in the Town of Patterson, the proposed SRP is for a subsurface infiltration system. Detailed design for this project has been completed and construction is anticipated to commence in 2015.

Pat-EB-09-03B (Veteran's Memorial Park – Year 4) – Located in the Town of Patterson, the proposed SRP is for a bioretention area. Detailed design for this project has been completed and construction is anticipated to commence in 2015.

Pat-EB-09-04a/04b/04c (Old Route 222 Modified Grass Swale – Year 2) Located in the Town of Patterson this retrofit project included several modified grass swales along



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Old Route 22 to replace existing eroded swales. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Pat-MB-05 (Gottwald Property –Year 3) – Located in the Town of Patterson, this retrofit project includes the installation of a new Pocket Pond on private property. Project has been cancelled due to issues obtaining the needed easements.

Pat-MB-06 (Fields Corner Road –Year 3) – Located in the Town of Patterson, this retrofit project includes the installation of a Dry Swale on Town property. Construction for this project was completed in 2014. This project has been approved for final credit by the NYSDEC.

PATTERSON-PA-03D (465 Lake Shore Drive – Year 4) Located in the Town of Patterson, this SRP calls for the installation of a plunge pool. This is no longer an approved SRP and has been cancelled. The site may be re-evaluated for a different SRP.

Patterson-PA-10 (Patterson Town Hall – Year 2) – Located in the Town of Patterson, this retrofit includes the installation of an infiltration practice. The project was completed by the Patterson Highway Department in 2013 and approved for final credit by the NYSDEC.

Patterson-PA-11 (Patterson Highway Garage – Year 3) – Located in the Town of Patterson, this retrofit includes the installation of two pocket ponds and bioretention. Construction was completed in 2013 and approved for final credit by the NYSDEC.

Patterson-PA-15A (Matthew Patterson Elementary School – Year 5) – Originally part of the Year 4 Plan postponed to Year 5, this SRP is located in the Town of Patterson and includes construction of a grass swale. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

Patterson-PA-15B (Matthew Patterson Elementary School – Year 5) – Originally part of the Year 4 Plan postponed to Year 5, this SRP is located in the Town of Patterson and includes construction of a bioretention basin. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

Pat-PRE-02 (T&T Associates – Year 1) – Located in the Town of Patterson, this retrofit project included the installation of grass swale. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

Pat-PRE-03 (Brewster Plastics – Year 1) – Located in the Town of Patterson, this retrofit project included the installation of new detention pond. This project was



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completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC..

Pat-PRE-04 (White Birch Realty – Year 1) – Located in the Town of Patterson, this retrofit project included the installation of sand filter. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC..

Pat-PRE-05 (T&T Associates – Year 1) – Located in the Town of Patterson, this retrofit project included the installation of grass swale. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC..

Pat-PRE-06a-j (Putnam Lake – Year 1) – Located in the Town of Patterson, this retrofit project included the installation of multiple detention ponds and hydrodynamic separators at various sites around Putnam Lake. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC..

PC-1 (Putnam National Golf Course – Year 3) – Located in the Town of Carmel, this retrofit project originally called for the conversion of approximately two acres of gravel parking lot to porous asphalt. The project was revised to subsurface infiltration. Construction of this project was completed in 2014. This project has been approved for final credit by the NYSDEC.

PC-1A (Putnam National Golf Course – Year 3) – Located in the Town of Carmel, this retrofit project includes the installation of a Wet Extended Detention Pond on the golf course. Construction of this project was completed in 2014. This project has been approved for final credit by the NYSDEC.

PC-3 (Milltown Road – Year 4) – Located in the Town of Southeast, the proposed SRP was a channel stabilization and dry swale. This SRP has been cancelled due to site constraints.

PC-4 (T&T Associates – Year 1) – Located in the Town of Southeast, this retrofit project included channel stabilization. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

PC-5N,5S (Putnam County Highway Department – Year 4) – Located in the Town of Patterson, the proposed SRPs are for two wet extended detention ponds. This project has completed design by the County and is scheduled for construction in 2015.

PC-6 (T&T Associates – Year 1) – Located in the Town of Carmel, this retrofit project included the removal of existing impervious area. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.



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PC-9 (T&T Associates – Year 1) – Located in the Town of Kent, this retrofit project included the installation of a sand filter. This project was completed by the municipality, funded by Putnam County, and approved for final credit by the NYSDEC.

PC-10 (Donald Smith Campus – Year 3) – Located in the Town of Carmel, this retrofit includes the installation of a new grass swale on County property. The project has been cancelled by EOHWC due to site constraints.

PC-12 (Putnam County EOC – Year 3) – Located in the Town of Carmel, this retrofit includes the conversion of an existing dry basin to wet detention pond on County property. The project has been cancelled by EOHWC due to site constraints.

PC-11B (Multiple Roads – Year 4) – Located in the Town of Kent, the proposed SRP was for the stabilization of 2 earthen channels and outfall stabilization. The projects have been cancelled due to site constraints.

PC-11C-1 (Ninham Field HQ – Year 4) - Located in the Town of Kent, the proposed SRP is for the stabilization of an existing outfall. This project has been cancelled due to site constraints.

PC-11C-2 (Crane Road/Pennebrook Lane – Year 4) - Located in the Town of Kent, the proposed SRP is for the stabilization of an existing outfall. This project has been cancelled due to site constraints.

PC-11C-3 (Long Pond Road – Year 4) - Located in the Town of Carmel, the proposed SRP is for the stabilization of an existing outfall. This project has been cancelled due to site constraints.

PC-17 (Fair Street/Fields Corner – Year 4) – Located in the Town of Patterson, the proposed SRP is for the stabilization of an existing outfall. This SRP has been cancelled because there is currently a Year 3 practice at this location.

PC-22 (Peaceable Hill Road – Year 5) – Located in the Town of Southeast, the proposed SRP includes the construction of a new wet pond. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

PutVal-PA-02 (Greenway Terrace – Year 2) – Located in the Town of Putnam Valley, this retrofit practice included the installation of a Stormfilter unit to treat runoff from Greenway Terrace. Detailed design has been complete, however construction has been postponed after a cost analysis of the project.



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PW-82 (39 Sans Souci Drive – Year 2) – Located in the Town of Pawling, this retrofit project included channel stabilization and outfall protection. This project was completed by the municipality, funded by Dutchess County, and approved for final credit by the NYSDEC.

PW-83 (47 Sans Souci Drive – Year 2) – Located in the Town of Pawling, this retrofit project included channel stabilization and outfall protection. This project was completed by the municipality, funded by Dutchess County, and approved for final credit by the NYSDEC.

PW-120 (138 South Harmony Road – Year 2) – Located in the Town of Pawling, this retrofit project included outfall protection and new pipe installation, as well as channel stabilization. This project was completed by the municipality, funded by Dutchess County, and approved for final credit by the NYSDEC.

PW-342A (Pawling Fire District – Year 5) – Located in the Town of Pawling, the proposed SRP includes the construction of a new pocket pond. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

PW-342B (Pawling Fire District – Year 5) – Located in the Town of Pawling, the proposed SRP includes the construction of a new dry swale. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

PW-343 (Holmes Whaley Lake Civic Association – Year 5) – Located in the Town of Pawling, the proposed SRP includes the construction of a new stormwater infiltration system. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

S-MU-01 (Somers Town Hall – Year 3) – Located in the Town of Somers, originally the retrofit project was Bioretention. The project was revised to permeable pavement. Construction was completed in 2013. This project has been approved for final credit by the NYSDEC.

S-MU-03 (BOCES – Year 4) – Located in the Town of Somers, this retrofit project originally called for the installation of several porous pavement parking lots. Due to site constraints and concerns from the owner, the retrofit was revised to channel stabilization. Construction of this project was completed in 2014.

S-MU-09A (Reis Park – Library Roof Disconnect – Year 3) – Located at the Town of Somers' Reis Park, the original retrofit project was subsurface infiltration. Construction was completed in 2013. This project has been approved for final credit by the NYSDEC.



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S-MU-09B (Reis Park – Maintenance Building and Parking Area – Year 3) – Located at the Town of Somers' Reis Park, the retrofit project was subsurface infiltration. Construction was completed in 2013. This project has been approved for final credit by the NYSDEC.

S-MU-09C (Reis Park – Main Parking Lot and Tennis Court – Year 3) – Located at the Town of Somers' Reis Park, originally the retrofit project included Bioretention. The proposed practice was revised to permeable pavement with infiltration. Construction completed in 2013. This project has been approved for final credit by the NYSDEC.

S-MU-09D (Reis Park – Main Driveway and Rear Parking Lot – Year 3) – Located at the Town of Somers' Reis Park, this retrofit project includes the installation of a Bioretention practice. Construction was completed in 2013. This project has been approved for final credit by the NYSDEC.

S-MU-09E (Reis Park and Town Hall Porous Pavement – Year 3) – Located at the Town of Somers' Reis Park, this retrofit has been renamed "**Reis Park – Middle Driveway**" and originally included Bioretention and infiltration practices. The proposed practice has since been revised to Bioretention only. Construction was completed in 2013. This project has been approved for final credit by the NYSDEC.

S-MU-09F (Reis Park – Athletic Fields – Year 3) – Located at the Town of Somers' Reis Park, original the retrofit project was for Bioretention and infiltration practice. The proposed practice has since been revised to only include the installation of Bioretention practices due to site constraints. Construction completed in 2013. This project has been approved for final credit by the NYSDEC.

S-MU-09G (Reis Park – Pony Fields – Year 3) – Located at the Town of Somers' Reis Park, this retrofit called for the installation of a infiltration trench. This project has been cancelled.

S-MU-12 (Plumbrook Pond Ditch Stabilization 1 – Year 1) – Located in the Town of Somers, this retrofit project was for channel stabilization. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

S-MU-13 (Plumbrook Pond Ditch Stabilization 2 – Year 1) – Located in the Town of Somers, the retrofit project was for the stabilization of existing eroded drainage channels with riprap near the Somers School District Bus Garage. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.



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S-MU-16/17 (Somers Town Highway garage and Material Yard –Year 3) – Located in the Town of Somers, originally the retrofit project was for installation of both infiltration and Bioretention practices. The proposed practices were revised to a Multiple Pond System. Construction of this project was completed in 2014.

S-MU-27a (Somers School District Ditch Stabilization – Year 1) – Located in the Town of Somers, the retrofit project was for the stabilization of existing earthen drainage channels at the Somers School Campus. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

S-MU-27b (Somers School District Ditch Stabilization – Year 1) – Located in the Town of Somers, the retrofit project was for stabilization of existing earthen drainage channels at the Somers School Campus. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

S-MU-29 (Plum Brook Road Retrofit – Year 1) – Located in the Town of Somers, this retrofit project was for stabilization of existing earthen drainage channels along Plum Brook Road. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

S-MU-30 (Jan Ridge Road Brook Stabilization – Year 2) – Located in the Town of Somers, this retrofit project was for stabilization of existing earthen brook near Jan Ridge Road. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

S-MU-32 (Erosion Control Near Muscoot River – Year 1) – Located in the Town of Somers, the retrofit project was for stabilization of existing earthen drainage channels near Wood Street. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

S-MU-33 (Van Tassell Memorial Park – Year 5) – Originally part of the Year 4 Plan postponed to Year 5, this SRP is located in the Town of Somers and includes construction of a new porous pavement area and associated subsurface infiltration system. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

S-MU-34 (Veronica Drive – Year 4) – Located in the Town of Somers, the proposed SRP is for subsurface infiltration. This project has been cancelled due to its location on private property.

S-MU-35 (Lake Lincolndale – Year 4) – Located in the Town of Somers, the proposed SRP included multiple bioretention cells and pocket ponds along Tulip Road, west of



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Lake Lincolndale. The SRP was modified to upgrading the existing channel/ditch conveyance system to divert runoff to the desired locations. The project has been cancelled due to site constraints.

S-MU-36 (Lower Moseman – Year 4) – Located in the Town of Somers, the proposed SRP is for channel stabilization at multiple areas along Moseman Avenue. This project is currently in the design phase.

S-MU-NP3 (North and South Hill Drainage Basin –Year 3) – Located in the Town of Somers, originally the retrofit project was a Multiple Pond System for both North and South sites. The project has been cancelled.

S-NC-31 (Moseman Avenue Water Quality Improvement – Year 1) – Located in the Town of Somers, this retrofit project included the installation of a new micro pool prior to an existing pond near Moseman Ave. This project was completed by the municipality, funded by Westchester County, and approved for final credit by the NYSDEC.

S-NC-NP4 (North Lane – Year 3) – Located in the Town of Somers, this retrofit includes the installation of swales and detention ponds on Town property. The project has been cancelled.

SE-DI-03 (Lincoln Road – Year 2) – Located in the Town of Southeast, this retrofit project was originally part of the Year 2 plan and includes the installation of Hydrodynamic Separator and channel stabilization. This project was completed by the municipality, funded by Westchester County, and approved by the NYSDEC.

SE-POT-01 (Lake Tonetta – Year 3) – Located in the Town of Southeast, this retrofit project includes a subsurface gravel wetland stormwater treatment system. Construction of this project was completed in 2014 and approved for final credit by the NYSDEC.

SE-POT-02 (Brewster Heights – Year 2) – Located in the Town of Southeast, this retrofit project was originally part of the Year 2 plan and includes the installation of Hydrodynamic Separator and channel stabilization on both Town and private property. This project is currently in the design phase.

SE-POT-06 (Nichols Road – Year 3) – This project was removed from Solicitation #1 project list under the original Year 3 Plan by the PCMS4CC-STAC, and has not been replaced.

SE-POT-07 (Allview Avenue – Year 4) – Located in the Town of Southeast, the proposed SRP is for a plunge pool. This is no longer an accepted SRP design and the project has been cancelled.



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SE-POT-08 (Cobb Road – Year 4) – Located in the Town of Southeast, the proposed SRP is for a wetland system or a pocket pond to be installed on private property. This project has been cancelled.

SE-POT-09A (Ice Pond Road – Year 4) – Located in the Town of Southeast, the proposed SRP is for outfall stabilization. This project has been cancelled due to site constraints.

SE-POT-09B (Ice Pond Road – Year 4) – Located in the Town of Southeast, the proposed SRP is for outfall stabilization. This project has been cancelled due to site constraints.

SE-PRE-01 (Lower Mine Road – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.

SE-PRE-02 (Seven Oaks Lane – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization and installation of deep sump catch basins. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.

SE-PRE-03 (Maple Road – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization and installation of deep sump catch basins. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.

SE-PRE-04 (Joe's Hill Road – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.

SE-PRE-05 (Nichols Road – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.

SE-PRE-06 (Cobb Road – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.

SE-PRE-07 (Starlea Road – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization and installation of deep sump catch basins. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.



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SE-PRE-08 (Ives Farm – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.

SE-PRE-09 (Panorama Road – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.

SE-PRE-10 (Carlson Lake – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization and installation of deep sump catch basins. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.

SE-PRE-11 (Shore Drive – Year 1) – Located in the Town of Southeast, this retrofit project included outfall stabilization and installation of a hydrodynamic separator. This project was completed by the municipality and funded by County. This project has been approved for final credit by the NYSDEC.

Southeast-EB-05 (Rockledge Drive – Year 2) – Located in the Town of Southeast, this retrofit was originally part of the Year 2 plan and includes outfall stabilization. This project was completed by the municipality and funded in part by the County. This project has been approved for final credit by the NYSDEC.

Southeast-PA-05 (Brewster Hill – Year 2) – Located in the Town of Southeast, this retrofit was originally part of the Year 2 plan and includes outfall channel stabilization on Town property. Construction was completed in 2013.

Southeast-PA-06B (Seven Oaks Lane – Year 2) – Located in the Town of Southeast, this retrofit project replaced Southeast-PA-24 and included installation of a new detention pond. This project was completed by the municipality and funded by the County.

Southeast-PA-21 (Suburban Propane – Year 4) – Located in the Town of Southeast, the proposed SRP is for installation of a deep sump catch basin. This is not an approved NYSDEC practice for phosphorus reduction and therefore the project has been cancelled.

Southeast-PA-23 (CV Star Intermediate School – Year 3) – Located in the Town of Southeast, the retrofit includes the installation of a new Micropool Extended Detention Pond. Construction of this retrofit was completed in 2013 and approved for final credit by the NYSDEC.



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VB-DI-31 (Brewster-Tonetta Brook – Year 3) – Located in the Village of Brewster and Town of Southeast, this retrofit project includes rehabilitation of an existing stormwater collection and conveyance system and installation of a new Wet Extended Detention Pond. Construction of this project was completed in 2014 and approved for final credit by the NYSDEC.

VB-DI-32 (Brewster-Wells Brook – Year 3) – Located in the Village of Brewster and Town of Southeast, this retrofit project includes the installation of a new Wet Extended Detention Pond to treat runoff collected in an existing collection and conveyance system prior to discharging to Wells Brook. Construction of this project was completed in 2014 and approved for final credit by the NYSDEC.

VPW-3 (Year 2) – Located in the Village of Pawling, this retrofit project included channel stabilization. This project was completed by the municipality, funded by Dutchess County, and approved for final credit by the NYSDEC.

VPW-4 (Year 2) – Located in the Village of Pawling, this retrofit project included channel stabilization. This project was completed by the municipality, funded by Dutchess County, and approved for final credit by the NYSDEC.

Y-MU-10 (Railroad Park – Year 3) – Located in the Town of Yorktown, the original retrofit was for the installation of dry swales. The proposed practice was revised to a Pocket Pond. Detailed design of the revised retrofit is complete and easements must be obtained from NYSDOT and Westchester County DOT before construction can begin.

Y-MU-11D (Junior Lake Driveway – Year 1) – Located in the Town of Yorktown, this retrofit project included the permeable pavers at the Junior Lake access driveway. This project was completed by the municipality and funded by Westchester County.

Y-MU-14 (Police Station and Court – Year 3) – Located in the Town of Yorktown, this retrofit includes the installation of a Wet Extended Detention Pond at the Yorktown Police Station. Detailed design of the retrofit is complete construction is expected to start in 2015.

Y-MU-15 (Junior Lake Driveway – Year 2) – Located in the Town of Yorktown, this retrofit project included the excavation of an existing Stormwater pond to increase storage at Yorktown High School. This project was completed by the municipality and funded by County.

Y-MU-17A (Sparkle Lake – Year 3) – Located in the Town of Yorktown, this retrofit includes the installation of an infiltration practice as well as outfall stabilization on Town property. Construction of this retrofit was completed in 2013 and approved for final credit by the NYSDEC.



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Y-MU-17B (Sparkle Lake – Year 3) – Located in the Town of Yorktown, this retrofit originally included the installation of a Hydrodynamic Separator on Town property. The project has been modified to a Stormfilter System for greater pollutant removal efficiency. Construction of this retrofit was completed in 2013 and approved for final credit by the NYSDEC.

Y-MU-40 (Hallcocks Mill – Year 5) – Originally part of the Year 4 Plan postponed to Year 5, this SRP is located in the Town of Southeast and includes construction of a new wet pond. This project is currently in conceptual phase with detailed design and construction expected to be completed between 2015 and 2016.

Y-MU-41 (Highway Garage – Year 4) – Located in the Town of Yorktown, the proposed SRP is a Stormfilter system. The project has been cancelled due to site constraints.

Y-MU-42 (YCCC – Year 4) – Located in the Town of Yorktown, the proposed SRP is a Stormfilter system. The project has been cancelled due to site constraints.

Y-MU-43 (Heights – Year 4) – Located in the Town of Yorktown, the proposed SRP is a Stormfilter system. The project has been cancelled due to site constraints.

Y-MU-44 (Depot Plaza North – Year 4) – Located in the Town of Yorktown, the proposed SRP is a Stormfilter system. The project has been cancelled due to site constraints.

Y-MU-45 (Lexington Avenue – Year 4) – Located in the Town of Yorktown, the proposed SRP is a wet extended detention pond to be constructed on private property. This project has been cancelled due to its location.



EAST OF HUDSON WATERSHED CORPORATION

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Checked by: Kevin Fitzpatrick, PE

EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	B-CR-29	Project Status:	Closed
Common Name:	Mount Holly Road	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	Municipal Engineer
Site Address:	Mount Holly Rd		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Bedford	100% Submission Date:	By Town
Supervisor:	Chris Burdick	Record Document Rec'd Date:	4/29/2013
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	11/14/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.50 kg/yr	Proposed Drainage Area:	8.80 acres
Revised P Removal:	0.50 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.50 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	B-MU-07	Project Status:	Closed
Common Name:	Bedford Hills Memorial Park	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	Insite Engineering
Site Address:	60 Haines Rd		
County:	Westchester	60% Submission Date:	12/19/2012
Municipality:	Bedford	100% Submission Date:	7/26/2013
Supervisor:	Chris Burdick	Record Document Rec'd Date:	10/17/2014
Original Proposed Retrofit:	Micropool Extended Detention Pond (P-1)	Field Recon Date:	8/18/2009
Revised Retrofit:	Extended Detention Pond (P-3)	Associated Permits:	SPDES Construction GP
Original P Removal:	3.73 kg/yr	Proposed Drainage Area:	30.80 acres
Revised P Removal:	5.34 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	5.34 kg/yr		
Construction Start date:	9/16/2013		
Construction Completion date:	10/17/2014		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete?



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	B-MU-21	Project Status:	Closed
Common Name:	Beaver Dam Road	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Beaver Dam Sanctuary	Design Engineer:	Hahn Engineering
Site Address:	Route 22 and Beaver Dam Road		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Bedford	100% Submission Date:	By Town
Supervisor:	Chris Burdick	Record Document Rec'd Date:	6/21/2013
Original Proposed Retrofit:	Micropool Extended Detention Pond (P-1) and Pocket Pond (P-2)	Field Recon Date:	8/18/2009
Revised Retrofit:	New Forebay, HDS, and Infiltration	Associated Permits:	None
Original P Removal:	1.93 kg/yr	Proposed Drainage Area:	19.10 acres
Revised P Removal:	4.87 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	4.90 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	Yes	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	B-MU-22	Project Status:	Closed
Common Name:	Narrows	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	Hahn Engineering
Site Address:	Narrows Rd		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Bedford	100% Submission Date:	By Town
Supervisor:	Chris Burdick	Record Document Rec'd Date:	6/21/2013
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	10/12/2011
Revised Retrofit:	Hydrodynamic Separator and Infiltration	Associated Permits:	None
Original P Removal:	1.04 kg/yr	Proposed Drainage Area:	11.31 acres
Revised P Removal:	1.13 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.16 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? Yes Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	B-MU-23	Project Status:	Closed
Common Name:	North Street	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	Municipal Engineer
Site Address:	North Street		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Bedford	100% Submission Date:	By Town
Supervisor:	Chris Burdick	Record Document Rec'd Date:	11/20/2012
Original Proposed Retrofit:	Pavers/Underdrain	Field Recon Date:	10/26/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.91 kg/yr	Proposed Drainage Area:	6.70 acres
Revised P Removal:	0.91 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.91 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	B-MU-24	Project Status:	Closed
Common Name:	School Street	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	Municipal Engineer
Site Address:	School Street		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Bedford	100% Submission Date:	By Town
Supervisor:	Chris Burdick	Record Document Rec'd Date:	11/20/2012
Original Proposed Retrofit:	Pavers/Underdrain	Field Recon Date:	10/26/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	1.52 kg/yr	Proposed Drainage Area:	11.00 acres
Revised P Removal:	1.52 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.52 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	B-MU-25	Project Status:	Closed
Common Name:	Guard Hill Rd	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	Municipal Engineer
Site Address:	Guard Hill Rd		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Bedford	100% Submission Date:	By Town
Supervisor:	Chris Burdick	Record Document Rec'd Date:	11/20/2012
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	11/14/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	4.64 kg/yr	Proposed Drainage Area:	67.50 acres
Revised P Removal:	4.64 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	4.64 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	B-MU-28	Project Status:	Closed
Common Name:	High St/Ridge St	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	Municipal Engineer
Site Address:	High St/Ridge St		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Bedford	100% Submission Date:	By Town
Supervisor:	Chris Burdick	Record Document Rec'd Date:	11/20/2012
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	11/14/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.57 kg/yr	Proposed Drainage Area:	5.70 acres
Revised P Removal:	0.57 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.57 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	B-MU-30	Project Status:	Closed
Common Name:	South Church Street	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	Municipal Engineer
Site Address:	South Church Street		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Bedford	100% Submission Date:	By Town
Supervisor:	Chris Burdick	Record Document Rec'd Date:	5/14/2012
Original Proposed Retrofit:	Infiltration Trench	Field Recon Date:	2/23/2011
Revised Retrofit:	Infiltration Trench	Associated Permits:	None
Original P Removal:	1.23 kg/yr	Proposed Drainage Area:	6.89 acres
Revised P Removal:	1.23 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.23 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	B-MU-32	Project Status:	Closed
Common Name:	Babbitt Road	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	Municipal Engineer
Site Address:	Babbitt Road		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Bedford	100% Submission Date:	By Town
Supervisor:	Chris Burdick	Record Document Rec'd Date:	10/27/2014
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	10/1/2012
Revised Retrofit:		Associated Permits:	None
Original P Removal:	3.65	Proposed Drainage Area:	18.30 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	3.65 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	B-MU-33A	Project Status:	Concept	
Common Name:	Guard Hill East	Total Project Cost:	TBD	
Watershed:	Muscoot	Consulting Costs (actual):	TBD	
Site Owner:	Town of Bedford	Design Engineer:		
Site Address:	Guard Hill/Clark Rd			
County:	Westchester	60% Submission Date:		
Municipality:	Bedford	100% Submission Date:		
Supervisor:	Chris Burdick	Record Document Rec'd Date:	TBD	
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	10/1/2012	
Revised Retrofit:		Associated Permits:	None	
Original P Removal:	0.85	Proposed Drainage Area:	2.85	acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	TBD			kg/yr
Construction Start date:	TBD			
Construction Completion date:	TBD			
Agreements:				
Municipal Reimbursement Complete?	Municipal Installation Complete?		Private Installation Complete?	



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	B-MU-33B	Project Status:	Concept
Common Name:	Sunnyfield Farm	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Sunnyfield Farms	Design Engineer:	
Site Address:	787 S Bedford Road	60% Submission Date:	
County:	Westchester	100% Submission Date:	
Municipality:	Bedford	Record Document Rec'd Date:	TBD
Supervisor:	Chris Burdick	Field Recon Date:	10/1/2012
Original Proposed Retrofit:	Wet ED Pond	Associated Permits:	None
Revised Retrofit:		Proposed Drainage Area:	126.00 acres
Original P Removal:	3.63	P Removal Cost Efficiency:	TBD \$/kg
Revised P Removal:	N/A		
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	B-MU-34	Project Status:	Concept	
Common Name:	Wood Rd	Total Project Cost:	TBD	
Watershed:	Muscoot	Consulting Costs (actual):	TBD	
Site Owner:	Town of Bedford	Design Engineer:		
Site Address:	Wood Rd/Haines Rd			
County:	Westchester	60% Submission Date:		
Municipality:	Bedford	100% Submission Date:		
Supervisor:	Chris Burdick	Record Document Rec'd Date:	TBD	
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	10/1/2012	
Revised Retrofit:		Associated Permits:	None	
Original P Removal:	0.27	Proposed Drainage Area:	3.50	acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	TBD			kg/yr
Construction Start date:	TBD			
Construction Completion date:	TBD			
Agreements:				
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?		



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	B-MU-35	Project Status:	Concept
Common Name:	Broad Brook Rd	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	
Site Address:	Broad Brook Rd		
County:	Westchester	60% Submission Date:	
Municipality:	Bedford	100% Submission Date:	
Supervisor:	Chris Burdick	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Infiltration	Field Recon Date:	10/1/2012
Revised Retrofit:		Associated Permits:	None
Original P Removal:	3.42	Proposed Drainage Area:	26.30 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	B-MU-36	Project Status:	Cancelled	
Common Name:	Alice Road	Total Project Cost:	TBD	
Watershed:	Muscoot	Consulting Costs (actual):	TBD	
Site Owner:	Town of Bedford	Design Engineer:		
Site Address:	Alice Road			
County:	Westchester	60% Submission Date:		
Municipality:	Bedford	100% Submission Date:		
Supervisor:	Chris Burdick	Record Document Rec'd Date:	TBD	
Original Proposed Retrofit:		Field Recon Date:		
Revised Retrofit:		Associated Permits:	None	
Original P Removal:	1.77	Proposed Drainage Area:	N/A	acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	TBD			
Construction Start date:	TBD			
Construction Completion date:	TBD			
Agreements:				
Municipal Reimbursement Complete?	Municipal Installation Complete?		Private Installation Complete?	



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	B-MU-38A	Project Status:	Concept
Common Name:	314 Mount Holly Road	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Private/Public	Design Engineer:	
Site Address:	314 Mount Holly Rd		
County:	Westchester	60% Submission Date:	
Municipality:	Bedford	100% Submission Date:	
Supervisor:	Chris Burdick	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Wet ED Pond	Field Recon Date:	3/21/2014
Revised Retrofit:		Associated Permits:	None
Original P Removal:	2.40	Proposed Drainage Area:	28.70 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	B-MU-41	Project Status:	Concept
Common Name:	Succabone and Bisbee Rd	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	
Site Address:	103 Succabone Rd	60% Submission Date:	
County:	Westchester	100% Submission Date:	
Municipality:	Bedford	Record Document Rec'd Date:	TBD
Supervisor:	Chris Burdick	Field Recon Date:	3/21/2014
Original Proposed Retrofit:	Subsurface Infiltration	Associated Permits:	None
Revised Retrofit:		Proposed Drainage Area:	16.10 acres
Original P Removal:	2.90	P Removal Cost Efficiency:	TBD \$/kg
Revised P Removal:	N/A		
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	B-NCR-27	Project Status:	Closed
Common Name:	South Beach Rd	Total Project Cost:	TBD
Watershed:	New Croton Reservoir	Consulting Costs (actual):	TBD
Site Owner:	Town of Bedford	Design Engineer:	Municipal Engineer
Site Address:	South Beach Rd		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Bedford	100% Submission Date:	By Town
Supervisor:	Chris Burdick	Record Document Rec'd Date:	11/20/2012
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	11/14/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.97 kg/yr	Proposed Drainage Area:	12.90 acres
Revised P Removal:	0.97 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.97 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Carmel-AM-111A	Project Status:	Design
Common Name:	Falls Elementary School	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Mahopac Central School District	Design Engineer:	Lawrence J. Paggi
Site Address:	90-100 Myrtle Ave., Mahopac, NY		
County:	Putnam	60% Submission Date:	
Municipality:	Carmel	100% Submission Date:	7/1/2014
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Subsurface Sand Filter	Field Recon Date:	1/26/2010
Revised Retrofit:	Infiltration	Associated Permits:	None
Original P Removal:	3.75 kg/yr	Proposed Drainage Area:	2.10 acres
Revised P Removal:	3.00 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No Private Installation Complete? N/A



EAST OF HUDSON WATERSHED CORPORATION

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Print Date: February 3, 2015
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Checked by: Kevin Fitzpatrick, PE

EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Carmel-AM-111B	Project Status:	Postponed
Common Name:	Falls Elementary School	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Mahopac Central School District	Design Engineer:	Lawrence J. Paggi
Site Address:	90-100 Myrtle Ave., Mahopac, NY		
County:	Putnam	60% Submission Date:	
Municipality:	Carmel	100% Submission Date:	
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Subsurface Infiltration	Field Recon Date:	1/26/2010
Revised Retrofit:	Infiltration	Associated Permits:	None
Original P Removal:	2.30	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No Private Installation Complete? N/A



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Carmel-AM-112	Project Status:	Closed
Common Name:	Austin Rd Elementary School	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Mahopac Central School District	Design Engineer:	Weston & Sampson
Site Address:	390 Austin Rd		
County:	Putnam	60% Submission Date:	4/15/2013
Municipality:	Carmel	100% Submission Date:	4/25/2013
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	10/31/2014
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/15/2011
Revised Retrofit:	Wet Extended Detention Pond (P-3)	Associated Permits:	Construction SPDES
Original P Removal:	3.10 kg/yr	Proposed Drainage Area:	7.50 acres
Revised P Removal:	5.12 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	5.12 kg/yr		
Construction Start date:	7/8/2013		
Construction Completion date:	9/16/2013		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Yes	Private Installation Complete?



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Carmel-AM-116	Project Status:	Closed
Common Name:	Mahopac Middle School	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Mahopac Central School District	Design Engineer:	Weston & Sampson
Site Address:	425 Baldwin Pl		
County:	Putnam	60% Submission Date:	4/15/2013
Municipality:	Carmel	100% Submission Date:	5/1/2013
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	10/31/2014
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/15/2011
Revised Retrofit:	Infiltration & Sand Filter	Associated Permits:	Construction SPDES
Original P Removal:	2.70 kg/yr	Proposed Drainage Area:	2.71 acres
Revised P Removal:	3.70 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	2.60 kg/yr		
Construction Start date:	8/8/2013		
Construction Completion date:	10/8/2013		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Yes	Private Installation Complete?



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Carmel-AM-125	Project Status:	Closed		
Common Name:		Total Project Cost:	TBD		
Watershed:	Amawalk	Consulting Costs (actual):	TBD		
Site Owner:	Town of Carmel	Design Engineer:	Municipal Engineer		
Site Address:					
County:	Putnam	60% Submission Date:	By Town		
Municipality:	Carmel	100% Submission Date:	By Town		
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD		
Original Proposed Retrofit:	Detention Pond	Field Recon Date:			
Revised Retrofit:		Associated Permits:	None		
Original P Removal:	1.20	kg/yr	Proposed Drainage Area:	5.50	acres
Revised P Removal:	1.20	kg/yr	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	1.20	kg/yr			
Construction Start date:	By Town				
Construction Completion date:	By Town				
Agreements:					
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town					



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Carmel-AM-127	Project Status:	Closed
Common Name:	Kirk Lake	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Town of Carmel	Design Engineer:	Municipal Engineer
Site Address:	45 Lakeside Dr		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Carmel	100% Submission Date:	By Town
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	9/27/2010
Revised Retrofit:		Associated Permits:	None
Original P Removal:	0.24 kg/yr	Proposed Drainage Area:	6.50 acres
Revised P Removal:	0.24 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.24 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Carmel-AM-129	Project Status:	Closed
Common Name:	Hitchcock Hill Rd	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	33 Hitchcock Hill Rd	Design Engineer:	Municipal Engineer
Site Address:	Hitchcock Hill Road		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Carmel	100% Submission Date:	By Town
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	4/12/2013
Original Proposed Retrofit:	Install Hydrodynamic Separator	Field Recon Date:	1/26/2010
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.23 kg/yr	Proposed Drainage Area:	42.00 acres
Revised P Removal:	0.23 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.23 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Carmel-CF-102A	Project Status:	Construction
Common Name:	Guide Post Seminary	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Hinckley Holdings, LLC	Design Engineer:	Woodard & Curran
Site Address:	39 Seminary Hill Rd		
County:	Putnam	60% Submission Date:	5/30/2014
Municipality:	Carmel	100% Submission Date:	6/20/2014
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/14/2011
Revised Retrofit:	Channel Stabilization	Associated Permits:	None
Original P Removal:	3.26 kg/yr	Proposed Drainage Area:	2.31 acres
Revised P Removal:	4.00 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	11/10/2014		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	Yes



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Carmel-CF-102B	Project Status:	Construction
Common Name:	Guide Post Seminary	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Hinckley Holdings, LLC	Design Engineer:	Woodard & Curran
Site Address:	39 Seminary Hill Rd		
County:	Putnam	60% Submission Date:	5/30/2014
Municipality:	Carmel	100% Submission Date:	6/20/2014
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/14/2011
Revised Retrofit:	Channel Stabilization	Associated Permits:	None
Original P Removal:	3.26 kg/yr	Proposed Drainage Area:	2.50 acres
Revised P Removal:	2.72 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	11/10/2014		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	Yes



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Carmel-CF-103	Project Status:	Postponed
Common Name:	Putnam Hospital Center	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Putnam Hospital Center	Design Engineer:	Lawrence J. Paggi
Site Address:	670 Stoneleigh Avenue, Carmel, NY		
County:	Putnam	60% Submission Date:	
Municipality:	Carmel	100% Submission Date:	
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Wet ED Pond	Field Recon Date:	1/26/2010
Revised Retrofit:		Associated Permits:	None
Original P Removal:	3.95	Proposed Drainage Area:	4.40 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	N/A Private Installation Complete? No



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Carmel-CF-113A	Project Status:	Design
Common Name:	Fulmar Rd Elementary School	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Mahopac Central School District	Design Engineer:	Woodard & Curran
Site Address:	55 Fulmar Rd, Mahopac, NY 10541		
County:	Putnam	60% Submission Date:	1/22/2014
Municipality:	Carmel	100% Submission Date:	6/2/2014
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/22/2011
Revised Retrofit:	Subsurface Infiltration	Associated Permits:	None
Original P Removal:	2.92 kg/yr	Proposed Drainage Area:	2.80 acres
Revised P Removal:	2.90 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No Private Installation Complete? N/A



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Carmel-CF-113B	Project Status:	Design
Common Name:	Fulmar Rd Elementary School	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Mahopac Central School District	Design Engineer:	Woodard & Curran
Site Address:	55 Fulmar Rd, Mahopac, NY 10541		
County:	Putnam	60% Submission Date:	1/22/2014
Municipality:	Carmel	100% Submission Date:	6/2/2014
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/22/2011
Revised Retrofit:	Bioretention	Associated Permits:	None
Original P Removal:	1.60 kg/yr	Proposed Drainage Area:	3.30 acres
Revised P Removal:	1.10 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No Private Installation Complete? N/A



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Carmel-CF-113C	Project Status:	Design
Common Name:	Fulmar Rd Elementary School	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Mahopac Central School District	Design Engineer:	Woodard & Curran
Site Address:	55 Fulmar Rd, Mahopac, NY 10541		
County:	Putnam	60% Submission Date:	1/22/2014
Municipality:	Carmel	100% Submission Date:	6/2/2014
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/22/2011
Revised Retrofit:	Bioretention	Associated Permits:	None
Original P Removal:	1.00 kg/yr	Proposed Drainage Area:	3.30 acres
Revised P Removal:	1.50 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No Private Installation Complete? N/A



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Carmel-CF-119B	Project Status:	Complete
Common Name:	Kelly Ridge & St. Michael's Terrace	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Town of Carmel	Design Engineer:	Insite Engineering
Site Address:	Kelly Ridge & St. Michael's Terrace		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Carmel	100% Submission Date:	By Town
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	10/31/2014
Original Proposed Retrofit:	Outfall Channel Stabilization	Field Recon Date:	9/30/2010
Revised Retrofit:	Outfall Channel Stabilization	Associated Permits:	None
Original P Removal:	3.43 kg/yr	Proposed Drainage Area:	40.00 acres
Revised P Removal:	7.10 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	7.10 kg/yr		
Construction Start date:	4/21/2014		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Carmel-CF-123	Project Status:	Closed
Common Name:	Garret Place	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Town of Carmel	Design Engineer:	Municipal Engineer
Site Address:	Garret Place		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Carmel	100% Submission Date:	By Town
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Outfall Channel Stabilization	Field Recon Date:	9/30/2012
Revised Retrofit:		Associated Permits:	NYSDEC Wetland Permit
Original P Removal:	0.42 kg/yr	Proposed Drainage Area:	3.10 acres
Revised P Removal:	0.42 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.42 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	Carmel-CF-124	Project Status:	Concept
Common Name:	Kennicut Hill Road	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:	Kennicut Hill Rd		
County:	Putnam	60% Submission Date:	
Municipality:	Carmel	100% Submission Date:	
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Wet ED Pond	Field Recon Date:	10/16/2014
Revised Retrofit:		Associated Permits:	None
Original P Removal:	12.22	Proposed Drainage Area:	38.00 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Carmel-PA-01	Project Status:	Cancelled
Common Name:	Shop Rite	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Urstadt-Biddle, Inc.	Design Engineer:	Woodard & Curran
Site Address:	184 Rt 52		
County:	Putnam	60% Submission Date:	
Municipality:	Carmel	100% Submission Date:	
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Existing Pond Improvements	Field Recon Date:	12/14/2011
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	3.27	Proposed Drainage Area:	26.50 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
Private Installation Complete?	No		



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Carmel-PA-03	Project Status:	Cancelled
Common Name:	A&P Plaza Rt 6	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Court Appointed Receiver- Vince Rippa, Esq.	Design Engineer:	Lawrence J. Paggi
Site Address:	1952 Route 6, Carmel, NY		
County:	Putnam	60% Submission Date:	
Municipality:	Carmel	100% Submission Date:	
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Bioretention	Field Recon Date:	
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	6.09 kg/yr	Proposed Drainage Area:	4.73 acres
Revised P Removal:	7.10 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	N/A
Private Installation Complete?	No		



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Carmel-PRE-02	Project Status:	Closed
Common Name:	Lakeview Court	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Town of Carmel	Design Engineer:	Municipal Engineer
Site Address:	Lakeview Ct		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Carmel	100% Submission Date:	By Town
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	4/12/2013
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.26 kg/yr	Proposed Drainage Area:	3.00 acres
Revised P Removal:	0.26 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.26 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Carmel-PRE-03	Project Status:	Closed
Common Name:	Silvergate Road	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Town of Carmel	Design Engineer:	Municipal Engineer
Site Address:	Silvergate Rd		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Carmel	100% Submission Date:	By Town
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	4/12/2013
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.95 kg/yr	Proposed Drainage Area:	11.00 acres
Revised P Removal:	0.95 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.95 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



EAST OF HUDSON WATERSHED CORPORATION

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Checked by: Kevin Fitzpatrick, PE

EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Carmel-PRE-04	Project Status:	Closed
Common Name:	Red Mills Road	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Town of Carmel	Design Engineer:	Municipal Engineer
Site Address:	Red Mills Rd		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Carmel	100% Submission Date:	By Town
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	4/12/2013
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.77 kg/yr	Proposed Drainage Area:	9.00 acres
Revised P Removal:	0.77 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.77 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Carmel-PRE-06	Project Status:	Closed
Common Name:	Belden Road	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Town of Carmel	Design Engineer:	Municipal Engineer
Site Address:	Belden Rd		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Carmel	100% Submission Date:	By Town
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	4/12/2013
Original Proposed Retrofit:	Linear Channel Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	1.09 kg/yr	Proposed Drainage Area:	3.00 acres
Revised P Removal:	1.09 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.09 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Carmel-PRE-07	Project Status:	Closed
Common Name:	Colier Drive	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Town of Carmel	Design Engineer:	Municipal Engineer
Site Address:	Colier Dr		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Carmel	100% Submission Date:	By Town
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	4/12/2013
Original Proposed Retrofit:	Linear Channel Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.38 kg/yr	Proposed Drainage Area:	1.90 acres
Revised P Removal:	0.38 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.38 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	C-NC-01	Project Status:	Cancelled
Common Name:	Quarry Acres Subdivision	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	Hahn Engineering
Site Address:	Field Stone Ln		
County:	Westchester	60% Submission Date:	
Municipality:	Cortlandt	100% Submission Date:	
Supervisor:	Linda Puglisi	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Convert existing swale into Bioretention Swale	Field Recon Date:	8/12/2009
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	2.91	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
Private Installation Complete?	No		



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	C-NC-01A	Project Status:	Cancelled
Common Name:	Quarry Acres Subdivision	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP/Town of Cortlandt	Design Engineer:	Hahn Engineering
Site Address:	N. 4th St & Fieldstone Ln		
County:	Westchester	60% Submission Date:	3/8/2013
Municipality:	Cortlandt	100% Submission Date:	11/1/2013
Supervisor:	Linda Puglisi	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	8/12/2009
Revised Retrofit:	Micropool ED + Channel Stabilization	Associated Permits:	Land Use Permit Tree Permit
Original P Removal:	0.36 kg/yr	Proposed Drainage Area:	14.76 acres
Revised P Removal:	5.60 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No Private Installation Complete? N/A



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	C-NC-01B	Project Status:	Design
Common Name:	Quarry Acres Subdivision	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Town of Cortlandt	Design Engineer:	Hahn Engineering
Site Address:	4th St & Bluestone Ln		
County:	Westchester	60% Submission Date:	5/15/2013
Municipality:	Cortlandt	100% Submission Date:	12/27/2013
Supervisor:	Linda Puglisi	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Micropool Extended Detention and Channel Stabilization	Field Recon Date:	10/9/2012
Revised Retrofit:	Micropool Extended Detention and Channel Stabilization	Associated Permits:	None
Original P Removal:	5.29 kg/yr	Proposed Drainage Area:	16.58 acres
Revised P Removal:	3.20 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	C-NC-05A	Project Status:	Concept
Common Name:	Correia Building Site	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Correia	Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Cortlandt	100% Submission Date:	
Supervisor:	Linda Puglisi	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:		Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	26.90
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Kent-MB-2	Project Status:	Cancelled	
Common Name:	Putnam Drive	Total Project Cost:	TBD	
Watershed:	Middle Branch	Consulting Costs (actual):	TBD	
Site Owner:	Town of Kent	Design Engineer:		
Site Address:	Putnam Drive			
County:	Putnam	60% Submission Date:		
Municipality:	Kent	100% Submission Date:		
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	TBD	
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	12/7/2010	
Revised Retrofit:		Associated Permits:	None	
Original P Removal:	2.50	Proposed Drainage Area:	N/A	acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	N/A			kg/yr
Construction Start date:	TBD			
Construction Completion date:	TBD			
Agreements:				
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?		



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Kent-MB-3	Project Status:	Cancelled
Common Name:	Sebago Rd	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Kent	Design Engineer:	
Site Address:	Sebago Drive		
County:	Putnam	60% Submission Date:	
Municipality:	Kent	100% Submission Date:	
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	12/7/2010
Revised Retrofit:		Associated Permits:	None
Original P Removal:	0.20	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Kent-MB-311B	Project Status:	Design
Common Name:	NYS Rt 311 & I-84	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Patterson Crossing Realty	Design Engineer:	Insite Engineering
Site Address:	Route 311 & I-84, Kent, NY		
County:	Putnam	60% Submission Date:	6/5/2014
Municipality:	Kent	100% Submission Date:	
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Channel Stabilization, P-1 Pond, P-2 Pond	Field Recon Date:	9/20/2012
Revised Retrofit:	Channel Stabilization, P-1 Pond,	Associated Permits:	None
Original P Removal:	13.10 kg/yr	Proposed Drainage Area:	31.70 acres
Revised P Removal:	3.60 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	N/A
Private Installation Complete?	No		



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Kent-MB-Add-19	Project Status:	Complete
Common Name:	Ryan Park	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Kent	Design Engineer:	Insite Engineering
Site Address:	Ryan Park off Towners Rd		
County:	Putnam	60% Submission Date:	8/17/2012
Municipality:	Kent	100% Submission Date:	10/5/2012
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	10/21/2013
Original Proposed Retrofit:	Sand Filter (F-1) and Channel Stabilization	Field Recon Date:	1/2/2011
Revised Retrofit:	Sand Filter (F-1) and Eliminated Eroded Channel	Associated Permits:	SPDES Construction GP DEC Streambank Disturbance
Original P Removal:	2.06 kg/yr	Proposed Drainage Area:	29.20 acres
Revised P Removal:	2.30 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	2.30 kg/yr		
Construction Start date:	11/11/2012		
Construction Completion date:	4/22/2013		
Agreements:			
Municipal Reimbursement Complete?	Yes	Municipal Installation Complete?	Yes
Private Installation Complete?	No		



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Kent-MB-Add-2	Project Status:	Closed
Common Name:	Lake Shore Dr & Cottage Rd	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Kent	Design Engineer:	Insite Engineering
Site Address:	Lake Shore Dr & Cottage Rd		
County:	Putnam	60% Submission Date:	8/24/2012
Municipality:	Kent	100% Submission Date:	2/1/2013
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	10/1/2013
Original Proposed Retrofit:	Wet Pond (P-2)	Field Recon Date:	1/4/2011
Revised Retrofit:	Wet Extended Detention Pond (P-3)	Associated Permits:	SPDES Construction GP
Original P Removal:	8.21 kg/yr	Proposed Drainage Area:	38.10 acres
Revised P Removal:	4.70 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	4.70 kg/yr		
Construction Start date:	4/22/2013		
Construction Completion date:	9/2/2013		
Agreements:			
Municipal Reimbursement Complete?	Yes	Municipal Installation Complete?	No Private Installation Complete? Yes



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Kent-MB-Add-3	Project Status:	Closed
Common Name:	Lake Shore Dr & Valhalla Rd	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Kent	Design Engineer:	Insite Engineering
Site Address:	Lake Shore Dr & Valhalla Rd		
County:	Putnam	60% Submission Date:	8/24/2012
Municipality:	Kent	100% Submission Date:	2/1/2013
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	10/1/2013
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	1/2/2011
Revised Retrofit:	Micropool Extended Detention Pond (P-1)	Associated Permits:	SPDES Construction GP
Original P Removal:	1.37 kg/yr	Proposed Drainage Area:	7.80 acres
Revised P Removal:	1.40 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.40 kg/yr		
Construction Start date:	6/3/2013		
Construction Completion date:	9/2/2013		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete?



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Kent-MB-Add-4	Project Status:	Complete
Common Name:	Ryan Park	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Kent	Design Engineer:	Insite Engineering
Site Address:	Ryan Park off Towners Rd		
County:	Putnam	60% Submission Date:	8/17/2012
Municipality:	Kent	100% Submission Date:	10/5/2012
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	10/21/2013
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	1/2/2011
Revised Retrofit:	Hydrodynamic Separator	Associated Permits:	SPDES Construction GP DEC Streambank Disturbance
Original P Removal:	0.17 kg/yr	Proposed Drainage Area:	1.50 acres
Revised P Removal:	0.20 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.20 kg/yr		
Construction Start date:	11/11/2012		
Construction Completion date:	4/22/2013		
Agreements:			
Municipal Reimbursement Complete?	Yes	Municipal Installation Complete?	Yes
		Private Installation Complete?	



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Kent-MB-Add-5	Project Status:	Closed
Common Name:	Kent Recreation Building	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Kent	Design Engineer:	Insite Engineering
Site Address:	770 Rt 52		
County:	Putnam	60% Submission Date:	8/10/2012
Municipality:	Kent	100% Submission Date:	2/1/2013
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	10/1/2013
Original Proposed Retrofit:	Modified Grass Swale	Field Recon Date:	1/2/2011
Revised Retrofit:	Dry Swale (O-1)	Associated Permits:	SPDES Construction GP
Original P Removal:	1.41 kg/yr	Proposed Drainage Area:	4.50 acres
Revised P Removal:	1.41 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.40 kg/yr		
Construction Start date:	6/18/2013		
Construction Completion date:	9/2/2013		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
Private Installation Complete?	No		



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Kent-MB-NLC	Project Status:	Closed
Common Name:	North Lake Carmel SW Improvements	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Kent	Design Engineer:	Insite Engineering
Site Address:			
County:	Putnam	60% Submission Date:	By Town
Municipality:	Kent	100% Submission Date:	By Town
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Multiple Retrofits	Field Recon Date:	
Revised Retrofit:		Associated Permits:	SPDES Construction GP NYSDOT Highway Work Permit
Original P Removal:	4.67 kg/yr	Proposed Drainage Area:	92.30 acres
Revised P Removal:	4.67 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	4.67 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Kent-PA-31	Project Status:	Construction
Common Name:	Putnam Stone & Mason Supply	Total Project Cost:	TBD
Watershed:	Croton Falls	Consulting Costs (actual):	TBD
Site Owner:	Putnam Stone and Mason Supply	Design Engineer:	Insite Engineering
Site Address:	301 Rt 52		
County:	Putnam	60% Submission Date:	8/10/2012
Municipality:	Kent	100% Submission Date:	11/25/2013
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Dry Swale (O-1)	Field Recon Date:	12/14/2011
Revised Retrofit:	Wet Swale (O-2)	Associated Permits:	SPDES Construction GP NYSDEC Freshwater Wetland Permit
Original P Removal:	0.87 kg/yr	Proposed Drainage Area:	3.40 acres
Revised P Removal:	1.10 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	No



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Kent-Pre-03	Project Status:	Closed
Common Name:	Barrett Hill/Route 52	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Barrett Hill/Route 52		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Kent	100% Submission Date:	By Town
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	4/11/2013
Original Proposed Retrofit:	Install Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	4.31 kg/yr	Proposed Drainage Area:	138.80 acres
Revised P Removal:	4.31 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	4.31 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Kent-Pre-06a	Project Status:	Closed
Common Name:	202 Boyds Corner Rd.	Total Project Cost:	TBD
Watershed:	Boyd's Corners	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	Municipal Engineer
Site Address:	202 Boyds Corner Rd.		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Kent	100% Submission Date:	By Town
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.31 kg/yr	Proposed Drainage Area:	17.90 acres
Revised P Removal:	0.31 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.31 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



EAST OF HUDSON WATERSHED CORPORATION

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Checked by: Kevin Fitzpatrick, PE

EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Kent-Pre-06b	Project Status:	Closed
Common Name:	236 Boyds Corner Rd.	Total Project Cost:	TBD
Watershed:	Boyd's Corners	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	Municipal Engineer
Site Address:	236 Boyds Corner Rd.		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Kent	100% Submission Date:	By Town
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	1.33 kg/yr	Proposed Drainage Area:	49.40 acres
Revised P Removal:	1.33 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.33 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Kent-Pre-06c	Project Status:	Closed
Common Name:	322 Boyds Corner Rd.	Total Project Cost:	TBD
Watershed:	Boyd's Corners	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	Municipal Engineer
Site Address:	322 Boyds Corner Rd.		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Kent	100% Submission Date:	By Town
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.93 kg/yr	Proposed Drainage Area:	30.60 acres
Revised P Removal:	0.93 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.93 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Kent-Pre-06d	Project Status:	Closed
Common Name:	326 Boyds Corner Rd.	Total Project Cost:	TBD
Watershed:	Boyd's Corners	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	Municipal Engineer
Site Address:	326 Boyds Corner Rd.		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Kent	100% Submission Date:	By Town
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.24 kg/yr	Proposed Drainage Area:	8.80 acres
Revised P Removal:	0.24 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.24 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Kent-Pre-06e	Project Status:	Closed
Common Name:	Farmers Mills Rd.	Total Project Cost:	TBD
Watershed:	Boyd's Corners	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	Municipal Engineer
Site Address:	Farmers Mills Rd.		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Kent	100% Submission Date:	By Town
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Linear Channel Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.80 kg/yr	Proposed Drainage Area:	6.00 acres
Revised P Removal:	0.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.80 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Kent-Pre-06f	Project Status:	Closed
Common Name:	Meadow Brook Ct.	Total Project Cost:	TBD
Watershed:	Boyd's Corners	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	Municipal Engineer
Site Address:	Meadow Brook Ct.		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Kent	100% Submission Date:	By Town
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	1.64 kg/yr	Proposed Drainage Area:	19.80 acres
Revised P Removal:	1.64 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.64 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	L-CR-10A	Project Status:	Cancelled
Common Name:	The Meadows Townhouse 1	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Meadows @ Cross River Homeowners LLC	Design Engineer:	Insite Engineering
Site Address:	Cross Meadow Lane, Lewisboro, NY		
County:	Westchester	60% Submission Date:	
Municipality:	Lewisboro	100% Submission Date:	
Supervisor:	Peter Parsons	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Micropool ED	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	5.23	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No Private Installation Complete? No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	L-CR-10B	Project Status:	Cancelled
Common Name:	The Meadows Townhouse 2	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Meadows @ Cross River Homeowners LLC	Design Engineer:	Insite Engineering
Site Address:	Cross Meadow Lane		
County:	Westchester	60% Submission Date:	
Municipality:	Lewisboro	100% Submission Date:	
Supervisor:	Peter Parsons	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Micropool ED	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	3.66	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	L-CR-11A	Project Status:	Construction
Common Name:	John Jay Middle and High School	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Union Free School District	Design Engineer:	Insite Engineering
Site Address:	40 North Salem Road, Cross River, NY		
County:	Westchester	60% Submission Date:	
Municipality:	Lewisboro	100% Submission Date:	6/6/2014
Supervisor:	Peter Parsons	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Micropool ED Pond	Field Recon Date:	
Revised Retrofit:		Associated Permits:	SPDES
Original P Removal:	2.14 kg/yr	Proposed Drainage Area:	7.50 acres
Revised P Removal:	4.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	7/14/2014		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	Yes



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	L-CR-11B	Project Status:	Construction
Common Name:	John Jay Middle and High School	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Union Free School District	Design Engineer:	Insite Engineering
Site Address:	40 North Salem Road, Cross River, NY		
County:	Westchester	60% Submission Date:	
Municipality:	Lewisboro	100% Submission Date:	6/6/2014
Supervisor:	Peter Parsons	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Bioretention	Field Recon Date:	
Revised Retrofit:	Wet ED Pond	Associated Permits:	SPDES
Original P Removal:	1.78 kg/yr	Proposed Drainage Area:	3.40 acres
Revised P Removal:	2.20 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	7/14/2014		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	Yes



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	L-CR-11C	Project Status:	Construction
Common Name:	John Jay Middle and High School	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Union Free School District	Design Engineer:	Insite Engineering
Site Address:	40 North Salem Road, Cross River, NY		
County:	Westchester	60% Submission Date:	
Municipality:	Lewisboro	100% Submission Date:	6/6/2014
Supervisor:	Peter Parsons	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	
Revised Retrofit:	Channel Stabilization	Associated Permits:	SPDES Freshwater Wetlands
Original P Removal:	27.15 kg/yr	Proposed Drainage Area:	18.70 acres
Revised P Removal:	11.30 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	7/14/2014		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	Yes



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	L-CR-11D	Project Status:	Cancelled
Common Name:	John Jay Middle and High School	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Union Free School District	Design Engineer:	Insite Engineering
Site Address:	40 North Salem Road, Cross River, NY		
County:	Westchester	60% Submission Date:	3/7/2014
Municipality:	Lewisboro	100% Submission Date:	
Supervisor:	Peter Parsons	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Subsurface Infiltration	Field Recon Date:	
Revised Retrofit:	Porous Pavement & Infiltration	Associated Permits:	None
Original P Removal:	1.93 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	2.10 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	Private Installation Complete?



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	L-CR-11E	Project Status:	Cancelled
Common Name:	John Jay Middle and High School	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Union Free School District	Design Engineer:	Insite Engineering
Site Address:	40 North Salem Road, Cross River, NY		
County:	Westchester	60% Submission Date:	
Municipality:	Lewisboro	100% Submission Date:	
Supervisor:	Peter Parsons	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Pocket Pond	Field Recon Date:	
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	1.50 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	3.88 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No Private Installation Complete? No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	L-CR-13	Project Status:	Cancelled
Common Name:	Tator Dodge	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Tator Dodge	Design Engineer:	
Site Address:	Spring Street		
County:	Westchester	60% Submission Date:	
Municipality:	Lewisboro	100% Submission Date:	
Supervisor:	Peter Parsons	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	10/7/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	L-CR-14	Project Status:	Cancelled
Common Name:	Lewisboro Highway Garage	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Town of Lewisboro	Design Engineer:	Weston & Sampson
Site Address:	11 Main St		
County:	Westchester	60% Submission Date:	1/20/2014
Municipality:	Lewisboro	100% Submission Date:	
Supervisor:	Peter Parsons	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Infiltration	Field Recon Date:	10/5/2009
Revised Retrofit:	Subsurface Sand Filter	Associated Permits:	None
Original P Removal:	0.53 kg/yr	Proposed Drainage Area:	2.40 acres
Revised P Removal:	2.40 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
Private Installation Complete?	No		



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	L-CR-15	Project Status:	Closed
Common Name:	Twin Lakes Rd Drainage Improvements	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Town of Lewisboro	Design Engineer:	Municipal Engineer
Site Address:	Twin Lakes Rd		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Lewisboro	100% Submission Date:	By Town
Supervisor:	Peter Parsons	Record Document Rec'd Date:	4/18/2013
Original Proposed Retrofit:	Plunge Pool	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.09 kg/yr	Proposed Drainage Area:	0.70 acres
Revised P Removal:	0.09 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.09 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	L-CR-16	Project Status:	Cancelled
Common Name:	Old Pond Rd	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Town of Lewisboro	Design Engineer:	Weston & Sampson
Site Address:	34 Old Pond Rd		
County:	Westchester	60% Submission Date:	1/20/2014
Municipality:	Lewisboro	100% Submission Date:	
Supervisor:	Peter Parsons	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	10/5/2009
Revised Retrofit:	P-5 Pocket Pond	Associated Permits:	None
Original P Removal:	0.25 kg/yr	Proposed Drainage Area:	7.90 acres
Revised P Removal:	0.46 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
Private Installation Complete?	No		



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	L-CR-17	Project Status:	Cancelled
Common Name:	Tarry-A-Bit Dr	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Town of Lewisboro	Design Engineer:	Weston & Sampson
Site Address:	10 Tarry-A-Bit Dr		
County:	Westchester	60% Submission Date:	
Municipality:	Lewisboro	100% Submission Date:	
Supervisor:	Peter Parsons	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	10/7/2009
Revised Retrofit:	Channel Stabilization	Associated Permits:	None
Original P Removal:	0.08 kg/yr	Proposed Drainage Area:	18.50 acres
Revised P Removal:	0.22 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.22 kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
Private Installation Complete?	No		



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	L-CR-21	Project Status:	Closed
Common Name:	Lake Kitchawan Stream	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Town of Lewisboro	Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	By Town
Municipality:	Lewisboro	100% Submission Date:	By Town
Supervisor:	Peter Parsons	Record Document Rec'd Date:	4/18/2013
Original Proposed Retrofit:	HDS (Vortech Unit)	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.66 kg/yr	Proposed Drainage Area:	13.90 acres
Revised P Removal:	0.66 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.66 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	L-CR-25	Project Status:	Cancelled
Common Name:	Truesdale Lake & Lakeshore Dr	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Town of Lewisboro	Design Engineer:	Weston & Sampson
Site Address:	14 Lake Shore Dr		
County:	Westchester	60% Submission Date:	
Municipality:	Lewisboro	100% Submission Date:	
Supervisor:	Peter Parsons	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	10/5/2009
Revised Retrofit:	Hydrodynamic Separator	Associated Permits:	None
Original P Removal:	0.81 kg/yr	Proposed Drainage Area:	21.40 acres
Revised P Removal:	0.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



EAST OF HUDSON WATERSHED CORPORATION

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Checked by: Kevin Fitzpatrick, PE

EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	L-CR-26	Project Status:	Closed
Common Name:	Truesdale Lake Drive	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Town of Lewisboro	Design Engineer:	Municipal Engineer
Site Address:	Truesdale Lake Dr		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Lewisboro	100% Submission Date:	By Town
Supervisor:	Peter Parsons	Record Document Rec'd Date:	4/18/2013
Original Proposed Retrofit:	HDS/Forebay	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	3.28 kg/yr	Proposed Drainage Area:	34.71 acres
Revised P Removal:	3.28 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	3.28 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	L-CR-28	Project Status:	Design
Common Name:	Schoolhouse Rd	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Town of Lewisboro/Jane e. Amsterdam	Design Engineer:	Insite Engineering
Site Address:	123 North Salem Road, Lewisboro, NY		
County:	Westchester	60% Submission Date:	4/22/2014
Municipality:	Lewisboro	100% Submission Date:	TBD
Supervisor:	Peter Parsons	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Pocket Wetland	Field Recon Date:	
Revised Retrofit:	Micropool ED/Wet ED	Associated Permits:	None
Original P Removal:	10.38 kg/yr	Proposed Drainage Area:	103.90 acres
Revised P Removal:	5.10 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete? Yes Municipal Installation Complete? Private Installation Complete? Yes			



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	L-CR-29	Project Status:	Concept
Common Name:	Salem Hill Rd	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Town of Lewisboro	Design Engineer:	
Site Address:	Salem Hill Rd/Main Street		
County:	Westchester	60% Submission Date:	
Municipality:	Lewisboro	100% Submission Date:	
Supervisor:	Peter Parsons	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Wet ED Pond	Field Recon Date:	6/1/2013
Revised Retrofit:		Associated Permits:	None
Original P Removal:	2.73	Proposed Drainage Area:	12.40 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	L-CR-30	Project Status:	Concept
Common Name:	Mead St	Total Project Cost:	TBD
Watershed:	Cross River	Consulting Costs (actual):	TBD
Site Owner:	Westchester County Land Trust	Design Engineer:	Municipal Engineer
Site Address:	Chapel Rd/Mead St		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Lewisboro	100% Submission Date:	10/6/2014
Supervisor:	Peter Parsons	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	ED Shallow Wetland	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	3.53	Proposed Drainage Area:	24.60 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	1/1/2015		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-06	Project Status:	Cancelled
Common Name:	"The Park"	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:	333 North Bedford Rd		
County:	Westchester	60% Submission Date:	
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Subsurface Infiltration	Field Recon Date:	8/13/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-07	Project Status:	Cancelled
Common Name:	Mt. Kisco Commons	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:	195 North Bedford Rd		
County:	Westchester	60% Submission Date:	
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Subsurface Infiltration	Field Recon Date:	8/13/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	MK-NC-09	Project Status:	Cancelled
Common Name:	American Legion Building	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:	Rt 117		
County:	Westchester	60% Submission Date:	
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Culvert Replacement	Field Recon Date:	8/13/2009
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-14	Project Status:	Cancelled
Common Name:	Sunny Ridge Road	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:	131 Radio Circle Road		
County:	Westchester	60% Submission Date:	
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Bioretention	Field Recon Date:	8/13/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	MK-NC-15	Project Status:	Closed		
Common Name:		Total Project Cost:	TBD		
Watershed:	New Croton	Consulting Costs (actual):	TBD		
Site Owner:		Design Engineer:	Municipal Engineer		
Site Address:					
County:	Westchester	60% Submission Date:	By Town		
Municipality:	Mt. Kisco	100% Submission Date:	By Town		
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	11/26/2012		
Original Proposed Retrofit:	Stabilization	Field Recon Date:			
Revised Retrofit:	Road Stabilization	Associated Permits:	None		
Original P Removal:	0.21	kg/yr	Proposed Drainage Area:	1.00	acres
Revised P Removal:	0.21	kg/yr	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	0.21	kg/yr			
Construction Start date:	By Town				
Construction Completion date:	By Town				
Agreements:					
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town					



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	MK-NC-18	Project Status:	Closed
Common Name:		Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	By Town
Municipality:	Mt. Kisco	100% Submission Date:	By Town
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	11/26/2012
Original Proposed Retrofit:	Stabilization	Field Recon Date:	
Revised Retrofit:	Road Stabilization	Associated Permits:	None
Original P Removal:	0.11 kg/yr	Proposed Drainage Area:	0.05 acres
Revised P Removal:	0.11 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.11 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	MK-NC-19	Project Status:	Closed
Common Name:		Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	By Town
Municipality:	Mt. Kisco	100% Submission Date:	By Town
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	11/26/2012
Original Proposed Retrofit:	Rooftop Disconnect	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.05 kg/yr	Proposed Drainage Area:	0.20 acres
Revised P Removal:	0.05 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.05 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-20	Project Status:	Design
Common Name:	CVS/South Bedford Road	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Gale Boker/CVS	Design Engineer:	Rennia Engineering Design
Site Address:	South Bedford Road		
County:	Westchester	60% Submission Date:	4/28/2014
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	8/18/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	4.23 kg/yr	Proposed Drainage Area:	3.51 acres
Revised P Removal:	6.30 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-21	Project Status:	Design
Common Name:	MKMG Satellite Offices	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	IPERS 34S Bedford Road Inc.	Design Engineer:	Rennia Engineering Design
Site Address:	34 So. Bedford Road, Mt. Kisco, NY		
County:	Westchester	60% Submission Date:	4/28/2014
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Bioretention	Field Recon Date:	
Revised Retrofit:	Pocket Wetland	Associated Permits:	None
Original P Removal:	2.46 kg/yr	Proposed Drainage Area:	3.54 acres
Revised P Removal:	2.66 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-22	Project Status:	Design
Common Name:	Leonard Park	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Village of Mt Kisco	Design Engineer:	Rennia Engineering Design
Site Address:	Leonard Park Parking Area & Tennis Cts.		
County:	Westchester	60% Submission Date:	4/28/2014
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Bioretention/Wet Pond	Field Recon Date:	
Revised Retrofit:	Bioretention/Surface Sand Filter	Associated Permits:	None
Original P Removal:	4.80 kg/yr	Proposed Drainage Area:	30.42 acres
Revised P Removal:	8.50 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	MK-NC-23	Project Status:	Closed
Common Name:		Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	By Town
Municipality:	Mt. Kisco	100% Submission Date:	By Town
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	11/26/2012
Original Proposed Retrofit:	Stabilization	Field Recon Date:	
Revised Retrofit:	Road Stabilization	Associated Permits:	None
Original P Removal:	0.09 kg/yr	Proposed Drainage Area:	0.40 acres
Revised P Removal:	0.04 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.09 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
Private Installation Complete?	By Town		



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	MK-NC-24	Project Status:	Closed
Common Name:		Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	By Town
Municipality:	Mt. Kisco	100% Submission Date:	By Town
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	11/26/2012
Original Proposed Retrofit:	Pavement Removal	Field Recon Date:	
Revised Retrofit:	Road Stabilization	Associated Permits:	None
Original P Removal:	0.11 kg/yr	Proposed Drainage Area:	0.20 acres
Revised P Removal:	0.11 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.11 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
Private Installation Complete?	By Town		



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-25	Project Status:	Cancelled
Common Name:	MKMG Offices	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	IPERS 34S Bedford Road Inc.	Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Wet Swale	Field Recon Date:	8/18/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-28	Project Status:	Cancelled
Common Name:	Chase Subdivision	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Road Stabilization	Field Recon Date:	8/18/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-29	Project Status:	Design
Common Name:	Mt. Kisco DPW Yard	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Village of Mount Kisco	Design Engineer:	Municipal Engineer
Site Address:	43 Columbus Avenue		
County:	Westchester	60% Submission Date:	
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Wet Pond	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	4.86	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2010) Project Summary - Interim

Project ID:	MK-NC-30	Project Status:	Cancelled
Common Name:	71 Maple Ave	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Remove Impervious	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.02 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	0.11 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



EAST OF HUDSON WATERSHED CORPORATION

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Print Date: February 3, 2015
Prepared by: Kevin Fitzpatrick, PE
Checked by: Kevin Fitzpatrick, PE

EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	MK-NC-31	Project Status:	Closed
Common Name:		Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	By Town
Municipality:	Mt. Kisco	100% Submission Date:	By Town
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	11/26/2012
Original Proposed Retrofit:	Perforated Drainage Pipe	Field Recon Date:	
Revised Retrofit:	Infiltration	Associated Permits:	None
Original P Removal:	0.12 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	0.12 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.12 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	MK-NC-32	Project Status:	Closed
Common Name:		Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	By Town
Municipality:	Mt. Kisco	100% Submission Date:	By Town
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	11/26/2012
Original Proposed Retrofit:	Infiltration	Field Recon Date:	
Revised Retrofit:	Road Stabilization	Associated Permits:	None
Original P Removal:	0.12 kg/yr	Proposed Drainage Area:	0.23 acres
Revised P Removal:	0.12 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.12 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-33	Project Status:	Cancelled
Common Name:	Brook Street	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Multiple Private	Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	MK-NC-34	Project Status:	Cancelled
Common Name:	Leonard Park Riparian Buffer	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Village of Mount Kisco	Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Mt. Kisco	100% Submission Date:	
Supervisor:	J. Michael Cindrich	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Riparian Buffer	Field Recon Date:	8/18/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-04A	Project Status:	Cancelled
Common Name:	Millwood Business Center South	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Private	Design Engineer:	
Site Address:	Saw Mill River Road		
County:	Westchester	60% Submission Date:	
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Wet Pond	Field Recon Date:	8/25/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-04B	Project Status:	Cancelled
Common Name:	Millwood Business Center North	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Private	Design Engineer:	
Site Address:	Saw Mill River Road		
County:	Westchester	60% Submission Date:	
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Extended Detention Pond	Field Recon Date:	8/25/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	NewC-NCR-05A	Project Status:	Concept	
Common Name:	Westorchar School	Total Project Cost:	TBD	
Watershed:	New Croton	Consulting Costs (actual):	TBD	
Site Owner:	Municipal	Design Engineer:		
Site Address:	25 Granite Ct			
County:	Westchester	60% Submission Date:		
Municipality:	New Castle	100% Submission Date:		
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	TBD	
Original Proposed Retrofit:	Subsurface Infiltration	Field Recon Date:		
Revised Retrofit:		Associated Permits:	None	
Original P Removal:	1.24	Proposed Drainage Area:	4.10	acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	TBD			
	kg/yr			
Construction Start date:	TBD			
Construction Completion date:	TBD			
Agreements:				
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?		



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	NewC-NCR-05B	Project Status:	Concept	
Common Name:	Westorchar School	Total Project Cost:	TBD	
Watershed:	New Croton	Consulting Costs (actual):	TBD	
Site Owner:	Municipal	Design Engineer:		
Site Address:	25 Granite Ct			
County:	Westchester	60% Submission Date:		
Municipality:	New Castle	100% Submission Date:		
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	TBD	
Original Proposed Retrofit:	Dry Swale	Field Recon Date:		
Revised Retrofit:		Associated Permits:	None	
Original P Removal:	3.88	Proposed Drainage Area:	4.40	acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	TBD			kg/yr
Construction Start date: TBD				
Construction Completion date: TBD				
Agreements:				
Municipal Reimbursement Complete?		Municipal Installation Complete?		Private Installation Complete?



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-07	Project Status:	Cancelled
Common Name:	Seven Bridges School	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Municipal	Design Engineer:	
Site Address:	Seven Bridges Road		
County:	Westchester	60% Submission Date:	
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Extended Detention Pond	Field Recon Date:	8/25/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-08	Project Status:	Cancelled
Common Name:	Random Farms Circle	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Private	Design Engineer:	
Site Address:	Random Farms Circle		
County:	Westchester	60% Submission Date:	
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Forebay	Field Recon Date:	8/25/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-12A	Project Status:	Cancelled
Common Name:	Horace Greeley High School	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Chappaqua Central School District	Design Engineer:	Woodard & Curran
Site Address:	70 Roaring Brook Road, Chappaqua, NY		
County:	Westchester	60% Submission Date:	
Municipality:	New Castle	100% Submission Date:	5/30/2014
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Wet Pond	Field Recon Date:	
Revised Retrofit:	Bioretention	Associated Permits:	None
Original P Removal:	3.78 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	0.70 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	N/A Private Installation Complete? No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-12B	Project Status:	Cancelled
Common Name:	Horace Greeley High School	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Chappaqua Central School District	Design Engineer:	Woodard & Curran
Site Address:	70 Roaring Brook Road, Chappaqua, NY		
County:	Westchester	60% Submission Date:	
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Subsurface Sand Filter	Field Recon Date:	
Revised Retrofit:	Bioretention	Associated Permits:	None
Original P Removal:	0.40 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	1.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	N/A Private Installation Complete? No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-12C	Project Status:	Cancelled
Common Name:	Horace Greeley School	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Chappaqua Central School District	Design Engineer:	Woodard & Curran
Site Address:	70 Roaring Brook Road, Chappaqua, NY		
County:	Westchester	60% Submission Date:	
Municipality:	New Castle	100% Submission Date:	5/29/2014
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Subsurface Infiltration	Field Recon Date:	
Revised Retrofit:	Subsurface Infiltration	Associated Permits:	None
Original P Removal:	3.58 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	1.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	N/A Private Installation Complete? No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-13	Project Status:	Cancelled
Common Name:	New Castle DPW	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Town of New Castle	Design Engineer:	Woodard & Curran
Site Address:	280 Hunts Lane, North Castle, NY		
County:	Westchester	60% Submission Date:	
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Dry Swale	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	2.21	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No Private Installation Complete? N/A



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-19A	Project Status:	Cancelled
Common Name:	Fox Den Rd	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:	83 Indian Hill Road		
County:	Westchester	60% Submission Date:	
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Wet Pond	Field Recon Date:	9/23/2009
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-32-2A	Project Status:	Cancelled
Common Name:	Old Roaring Brook	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Lawrence J. Paggi
Site Address:	Old Roaring Brook Road		
County:	Westchester	60% Submission Date:	2/19/2014
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Bioretention	Field Recon Date:	9/14/2012
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	0.21	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-32-2B	Project Status:	Cancelled
Common Name:	Old Roaring Brook	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Lawrence J. Paggi
Site Address:	Old Roaring Brook Road		
County:	Westchester	60% Submission Date:	2/19/2014
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Pocket Pond	Field Recon Date:	9/14/2012
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	0.92	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-32-3	Project Status:	Cancelled
Common Name:	Old Roaring Brook	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Lawrence A. Paggi
Site Address:	Old Roaring Brook Road		
County:	Westchester	60% Submission Date:	2/19/2014
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Pocket Pond	Field Recon Date:	9/12/2014
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	0.67	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NewC-NCR-32-4	Project Status:	Cancelled
Common Name:	Old Roaring Brook	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Lawrence A. Paggi
Site Address:	Old Roaring Brook Road		
County:	Westchester	60% Submission Date:	2/19/2014
Municipality:	New Castle	100% Submission Date:	
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Pocket Pond	Field Recon Date:	9/12/2014
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	0.97	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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Checked by: Kevin Fitzpatrick, PE

EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	NewC-NCR-33A	Project Status:	Concept	
Common Name:	Burden Preserve	Total Project Cost:	TBD	
Watershed:	New Croton	Consulting Costs (actual):	TBD	
Site Owner:	Town of New Castle	Design Engineer:		
Site Address:	Harriman Rd/Sheather Rd			
County:	Westchester	60% Submission Date:		
Municipality:	New Castle	100% Submission Date:		
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	TBD	
Original Proposed Retrofit:	Wet ED Pond/Channel Stabilization	Field Recon Date:		
Revised Retrofit:		Associated Permits:	None	
Original P Removal:	3.11	Proposed Drainage Area:	23.20	acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	TBD	kg/yr		
Construction Start date:	TBD			
Construction Completion date:	TBD			
Agreements:				
Municipal Reimbursement Complete?	Municipal Installation Complete?		Private Installation Complete?	



EAST OF HUDSON WATERSHED CORPORATION

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Checked by: Kevin Fitzpatrick, PE

EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	NewC-NCR-33B	Project Status:	Concept	
Common Name:	Burden Preserve	Total Project Cost:	TBD	
Watershed:	New Croton	Consulting Costs (actual):	TBD	
Site Owner:	Town of New Castle	Design Engineer:		
Site Address:	Harriman Rd/Sheather Rd			
County:	Westchester	60% Submission Date:		
Municipality:	New Castle	100% Submission Date:		
Supervisor:	Robert Greenstein	Record Document Rec'd Date:	TBD	
Original Proposed Retrofit:	Wet ED Pond/Channel Stabilization	Field Recon Date:		
Revised Retrofit:		Associated Permits:	None	
Original P Removal:	3.11	Proposed Drainage Area:	23.20	acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	TBD	kg/yr		
Construction Start date:	TBD			
Construction Completion date:	TBD			
Agreements:				
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?		



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	NS-MU-01A	Project Status:	Cancelled
Common Name:	Back St & W.Cross St	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	O'Brien & Gere
Site Address:	W. Cross St		
County:	Westchester	60% Submission Date:	6/17/2013
Municipality:	North Salem	100% Submission Date:	
Supervisor:	Warren Lucas	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Extended Detention Pond	Field Recon Date:	8/12/2009
Revised Retrofit:	Extended Detention Pond	Associated Permits:	NYCDEP LUP TENTATIVE- floodplain encroachment
Original P Removal:	4.10 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	1.30 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	NS-MU-01B	Project Status:	Design
Common Name:	Back St & W.Cross St	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	O'Brien & Gere
Site Address:	W. Cross St		
County:	Westchester	60% Submission Date:	6/17/2013
Municipality:	North Salem	100% Submission Date:	
Supervisor:	Warren Lucas	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Infiltration	Field Recon Date:	8/12/2009
Revised Retrofit:	Surface Sand Filter	Associated Permits:	NYCDEP LUP
Original P Removal:	1.60 kg/yr	Proposed Drainage Area:	2.20 acres
Revised P Removal:	2.60 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	2.40 kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	NS-MU-01C	Project Status:	Cancelled
Common Name:	Front Street	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	O'Brien & Gere
Site Address:	Front Street		
County:	Westchester	60% Submission Date:	6/17/2013
Municipality:	North Salem	100% Submission Date:	
Supervisor:	Warren Lucas	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Bioretention	Field Recon Date:	8/12/2009
Revised Retrofit:	Bioretention	Associated Permits:	None
Original P Removal:	0.10 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	0.60 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	NS-MU-05	Project Status:	Complete
Common Name:	North Salem Highway Garage	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of North Salem	Design Engineer:	Hahn Engineering
Site Address:	66 June Road		
County:	Westchester	60% Submission Date:	3/11/2013
Municipality:	North Salem	100% Submission Date:	5/13/2013
Supervisor:	Warren Lucas	Record Document Rec'd Date:	10/1/2014
Original Proposed Retrofit:	Subsurface Infiltration	Field Recon Date:	12/27/2012
Revised Retrofit:	Infiltration and micropool extended detention basin	Associated Permits:	DEC SWPPP DEP SWPPP
Original P Removal:	9.80 kg/yr	Proposed Drainage Area:	22.20 acres
Revised P Removal:	9.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	9.80 kg/yr		
Construction Start date:	Fall 2013		
Construction Completion date:	1/28/2014		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	NS-MU-08/09	Project Status:	Closed
Common Name:	Sunset Dr and Westview Cross Rd	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town/Private	Design Engineer:	Municipal Engineer
Site Address:	Sunset Dr & Westview Cross Rd		
County:	Westchester	60% Submission Date:	By Town
Municipality:	North Salem	100% Submission Date:	By Town
Supervisor:	Warren Lucas	Record Document Rec'd Date:	11/20/2012
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	8/12/2009
Revised Retrofit:	Channel Stabilization and Infiltration	Associated Permits:	None
Original P Removal:	7.12 kg/yr	Proposed Drainage Area:	26.10 acres
Revised P Removal:	7.12 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	7.12 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	NS-MU-10	Project Status:	Cancelled
Common Name:	Ridgeway Ave Culvert	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of North Salem	Design Engineer:	O'Brien & Gere
Site Address:	Ridgeway Ave		
County:	Westchester	60% Submission Date:	
Municipality:	North Salem	100% Submission Date:	
Supervisor:	Warren Lucas	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Extended Detention Pond	Field Recon Date:	8/12/2009
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	2.00	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	NS-MU-11	Project Status:	Design
Common Name:	Route 22 & Route 116	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	O'Brien & Gere
Site Address:	Hardscrabble Rd & Titicus Rd		
County:	Westchester	60% Submission Date:	6/17/2013
Municipality:	North Salem	100% Submission Date:	
Supervisor:	Warren Lucas	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Extended Detention Pond	Field Recon Date:	8/12/2009
Revised Retrofit:	Extended Detention Pond	Associated Permits:	Land Use Permit
Original P Removal:	2.00 kg/yr	Proposed Drainage Area:	43.00 acres
Revised P Removal:	5.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete? No



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Pat-EB-09-01	Project Status:	Complete
Common Name:	Big Elm Rd	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Patterson	Design Engineer:	Kellard Sessions
Site Address:	Big Elm Rd & Old Rt 22		
County:	Putnam	60% Submission Date:	11/19/2012
Municipality:	Patterson	100% Submission Date:	7/3/2013
Supervisor:	Michael Griffin	Record Document Rec'd Date:	10/30/2014
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/16/2011
Revised Retrofit:	Pocket Pond (P-5)	Associated Permits:	SPDES General Permit GP-010-001
Original P Removal:	0.77 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	3.47 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	3.47 kg/yr		
Construction Start date: 7/7/2014			
Construction Completion date: 10/28/2014			
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete?



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Pat-EB-09-02	Project Status:	Cancelled
Common Name:	Patterson Fire Department	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Patterson Fire Dept.	Design Engineer:	Kellard Sessions
Site Address:	13 Burdick Rd		
County:	Putnam	60% Submission Date:	11/19/2012
Municipality:	Patterson	100% Submission Date:	
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/16/2011
Revised Retrofit:	Pocket Pond (P-5)	Associated Permits:	None
Original P Removal:	0.29 kg/yr	Proposed Drainage Area:	0.85 acres
Revised P Removal:	1.03 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Pat-EB-09-03A	Project Status:	Design
Common Name:	Veterans Memorial Park	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Lawrence J. Paggi
Site Address:	Maple Avenue, Patterson, NY 12563		
County:	Putnam	60% Submission Date:	2/27/2014
Municipality:	Patterson	100% Submission Date:	
Supervisor:	Michael Griffin	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Pocket Pond	Field Recon Date:	
Revised Retrofit:	Infiltration	Associated Permits:	None
Original P Removal:	1.71 kg/yr	Proposed Drainage Area:	3.50 acres
Revised P Removal:	2.55 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Pat-EB-09-03B	Project Status:	Design
Common Name:	Veterans Memorial Park	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Patterson	Design Engineer:	Lawrence J. Paggi
Site Address:	North Street, Patterson, NY 12563		
County:	Putnam	60% Submission Date:	2/27/2014
Municipality:	Patterson	100% Submission Date:	
Supervisor:	Michael Griffin	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Bioretention	Field Recon Date:	
Revised Retrofit:	Organic Filter (F-4)	Associated Permits:	None
Original P Removal:	1.51 kg/yr	Proposed Drainage Area:	9.40 acres
Revised P Removal:	1.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Pat-EB-09-04a/04b/04c	Project Status:	Closed
Common Name:	Old Rt 22	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Patterson	Design Engineer:	Municipal Engineer
Site Address:			
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Grass Swale	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	1.39 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	1.39 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.39 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Pat-MB-05	Project Status:	Cancelled
Common Name:	Gottwald Property	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Putnam County, Estate of Paul Gottwald	Design Engineer:	Kellard Sessions
Site Address:	384 Fair St		
County:	Putnam	60% Submission Date:	11/19/2012
Municipality:	Patterson	100% Submission Date:	
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	Not Specified
Revised Retrofit:	Pocket Pond (P-5)	Associated Permits:	None
Original P Removal:	5.57 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	1.90 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Pat-MB-06	Project Status:	Complete
Common Name:	Fields Corner Rd	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Patterson	Design Engineer:	Kellard Sessions
Site Address:	Fields Corner Rd & Fair St		
County:	Putnam	60% Submission Date:	11/19/2012
Municipality:	Patterson	100% Submission Date:	7/3/2013
Supervisor:	Michael Griffin	Record Document Rec'd Date:	10/29/2014
Original Proposed Retrofit:	Modified Grass Swale	Field Recon Date:	Not Specified
Revised Retrofit:	Dry Swale (O-1)	Associated Permits:	Land Development Highway
Original P Removal:	0.33 kg/yr	Proposed Drainage Area:	4.00 acres
Revised P Removal:	0.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.78 kg/yr		
Construction Start date:	10/8/2013		
Construction Completion date:	10/28/2014		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete?



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-02	Project Status:	Closed
Common Name:	T&T Associates	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	T&T Associates Site Plan		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Grass Swale	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.05 kg/yr	Proposed Drainage Area:	0.50 acres
Revised P Removal:	0.05 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.05 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-03	Project Status:	Closed
Common Name:	Brewster Plastics	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Brewster Plastics Site Plan		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Detention Pond	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.54 kg/yr	Proposed Drainage Area:	5.90 acres
Revised P Removal:	0.54 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.54 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-04	Project Status:	Closed
Common Name:	White Birch Realty	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	White Birch Realty Site Plan		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Sand Filter	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.30 kg/yr	Proposed Drainage Area:	0.70 acres
Revised P Removal:	0.30 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.30 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-05	Project Status:	Closed
Common Name:	Old Road Highway Improvement	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Old Road Highway Improvement		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Grass Swale	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.26 kg/yr	Proposed Drainage Area:	2.20 acres
Revised P Removal:	0.26 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.26 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



EAST OF HUDSON WATERSHED CORPORATION

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Print Date: February 3, 2015
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Checked by: Kevin Fitzpatrick, PE

EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-06a	Project Status:	Closed
Common Name:	Putnam Lake Retrofit Project - Site 1	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Putnam Lake Retrofit Project - Site 1		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Detention Pond	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.01 kg/yr	Proposed Drainage Area:	2.50 acres
Revised P Removal:	0.01 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.01 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-06b	Project Status:	Closed
Common Name:	Putnam Lake Retrofit Project - Site 2a	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Putnam Lake Retrofit Project - Site 2a		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Detention Pond	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.04 kg/yr	Proposed Drainage Area:	63.00 acres
Revised P Removal:	0.04 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.04 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-06c	Project Status:	Closed
Common Name:	Putnam Lake Retrofit Project - Site 2b	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Putnam Lake Retrofit Project - Site 2b		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.29 kg/yr	Proposed Drainage Area:	5.50 acres
Revised P Removal:	0.29 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.29 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-06d	Project Status:	Closed
Common Name:	Putnam Lake Retrofit Project - Site 3a	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Putnam Lake Retrofit Project - Site 3a		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.48 kg/yr	Proposed Drainage Area:	9.00 acres
Revised P Removal:	0.48 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.48 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-06e	Project Status:	Closed
Common Name:	Putnam Lake Retrofit Project - Site 3b	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Putnam Lake Retrofit Project - Site 3b		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.27 kg/yr	Proposed Drainage Area:	5.00 acres
Revised P Removal:	0.27 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.27 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-06f	Project Status:	Closed
Common Name:	Putnam Lake Retrofit Project - Site 3c	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Putnam Lake Retrofit Project - Site 3c		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.11 kg/yr	Proposed Drainage Area:	2.00 acres
Revised P Removal:	0.11 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.11 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-06g	Project Status:	Closed
Common Name:	Putnam Lake Retrofit Project - Site 3d	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Putnam Lake Retrofit Project - Site 3d		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.48 kg/yr	Proposed Drainage Area:	9.00 acres
Revised P Removal:	0.48 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.48 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-06h	Project Status:	Closed
Common Name:	Putnam Lake Retrofit Project - Site 5	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Putnam Lake Retrofit Project - Site 5		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Detention Pond	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.18 kg/yr	Proposed Drainage Area:	12.00 acres
Revised P Removal:	0.18 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.18 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-06i	Project Status:	Closed
Common Name:	Putnam Lake Retrofit Project - Site 6	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Putnam Lake Retrofit Project - Site 6		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.21 kg/yr	Proposed Drainage Area:	4.00 acres
Revised P Removal:	0.21 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.21 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PAT-PRE-06j	Project Status:	Closed
Common Name:	Putnam Lake Retrofit Project - Site 7	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Putnam Lake Retrofit Project - Site 7		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.09 kg/yr	Proposed Drainage Area:	1.70 acres
Revised P Removal:	0.09 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.09 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Patterson-PA-10	Project Status:	Closed
Common Name:	Patterson Town Hall	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Patterson	Design Engineer:	Municipal Engineer
Site Address:	1142-1144 Rt 311		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Patterson	100% Submission Date:	By Town
Supervisor:	Michael Griffin	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Infiltration	Field Recon Date:	9/27/2010
Revised Retrofit:		Associated Permits:	None
Original P Removal:	0.23 kg/yr	Proposed Drainage Area:	0.50 acres
Revised P Removal:	0.23 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.23 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Patterson-PA-11	Project Status:	Complete
Common Name:	Patterson Highway Garage	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Patterson	Design Engineer:	Kellard Sessions
Site Address:	281 Cornwall Hill Rd		
County:	Putnam	60% Submission Date:	11/19/2012
Municipality:	Patterson	100% Submission Date:	7/3/2013
Supervisor:	Michael Griffin	Record Document Rec'd Date:	10/29/2014
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/15/2011
Revised Retrofit:	Two Pocket Ponds; Bioretention Basin	Associated Permits:	0813-01 SPDES General Permit
Original P Removal:	2.60 kg/yr	Proposed Drainage Area:	5.43 acres
Revised P Removal:	6.11 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	6.11 kg/yr		
Construction Start date:	10/28/2013		
Construction Completion date:	12/12/2013		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete?



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	Patterson-PA-15A	Project Status:	Concept
Common Name:	Matthew Paterson Elementary School	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Patterson	Design Engineer:	
Site Address:	100 South St		
County:	Putnam	60% Submission Date:	
Municipality:	Patterson	100% Submission Date:	
Supervisor:	Michael Griffin	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Grass Swale	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	1.59	Proposed Drainage Area:	7.20 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	Patterson-PA-15B	Project Status:	Concept
Common Name:	Matthew Paterson Elementary School	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Patterson	Design Engineer:	
Site Address:	100 South St		
County:	Putnam	60% Submission Date:	
Municipality:	Patterson	100% Submission Date:	
Supervisor:	Michael Griffin	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Bioretention	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	3.68	Proposed Drainage Area:	3.70 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	PC-1	Project Status:	Closed
Common Name:	Putnam National Golf Course	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Putnam County	Design Engineer:	Weston & Sampson
Site Address:	187 Hill St		
County:	Putnam	60% Submission Date:	4/15/2013
Municipality:	Putnam County	100% Submission Date:	7/5/2013
Supervisor:	Maryellen O'Dell	Record Document Rec'd Date:	9/23/2014
Original Proposed Retrofit:	Convert 2.0 acre gravel parking lot to pervious surface	Field Recon Date:	12/14/2011
Revised Retrofit:	Subsurface Infiltration	Associated Permits:	SPDES Construction General Permit
Original P Removal:	0.95 kg/yr	Proposed Drainage Area:	2.70 acres
Revised P Removal:	4.40 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	4.40 kg/yr		
Construction Start date: 10/9/2013			
Construction Completion date: 5/19/2014			
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete?



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	PC-10	Project Status:	Cancelled
Common Name:	Donald Smith Campus	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Putnam County	Design Engineer:	Woodard & Curran
Site Address:	112 Old Rt 6		
County:	Putnam	60% Submission Date:	
Municipality:	Carmel	100% Submission Date:	
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Grass Swale	Field Recon Date:	12/22/2011
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	0.26	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	PC-11-B(1-4)	Project Status:	Cancelled
Common Name:		Total Project Cost:	TBD
Watershed:		Consulting Costs (actual):	TBD
Site Owner:	Putnam County	Design Engineer:	
Site Address:			
County:	Putnam	60% Submission Date:	
Municipality:	Kent	100% Submission Date:	
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:		Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	PC-11-C(1-3)	Project Status:	Cancelled
Common Name:		Total Project Cost:	TBD
Watershed:		Consulting Costs (actual):	TBD
Site Owner:	Putnam County	Design Engineer:	
Site Address:			
County:	Putnam	60% Submission Date:	
Municipality:	Kent	100% Submission Date:	
Supervisor:	Maureen Fleming	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:		Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	PC-12	Project Status:	Closed
Common Name:	Putnam County EOC	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Putnam County	Design Engineer:	Woodard & Curran
Site Address:	112 Old Rt 6		
County:	Putnam	60% Submission Date:	
Municipality:	Carmel	100% Submission Date:	
Supervisor:	Kenneth Schmitt	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Convert existing dry basin to wet pond	Field Recon Date:	12/22/2011
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	0.26	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



EAST OF HUDSON WATERSHED CORPORATION

P.O. Box 176
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Print Date: February 3, 2015
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Checked by: Kevin Fitzpatrick, PE

EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	PC-1A	Project Status:	Closed
Common Name:	Putnam National Golf Course	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Putnam County	Design Engineer:	Weston & Sampson
Site Address:			
County:	Putnam	60% Submission Date:	4/15/2013
Municipality:	Putnam County	100% Submission Date:	7/5/2013
Supervisor:	Maryellen O'Dell	Record Document Rec'd Date:	9/23/2014
Original Proposed Retrofit:	Wet Extended Detention Pond (P-3)	Field Recon Date:	
Revised Retrofit:		Associated Permits:	SPDES Construction General Permit
Original P Removal:	7.00 kg/yr	Proposed Drainage Area:	63.60 acres
Revised P Removal:	6.30 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	6.30 kg/yr		
Construction Start date:	10/9/2013		
Construction Completion date:	8/18/2014		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete?



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	PC-22	Project Status:	Concept	
Common Name:	Peaceable Hill Road	Total Project Cost:	TBD	
Watershed:	East Branch	Consulting Costs (actual):	TBD	
Site Owner:		Design Engineer:		
Site Address:	Peaceable Hill Road			
County:	Putnam	60% Submission Date:		
Municipality:	Southeast	100% Submission Date:		
Supervisor:	Tony Hay	Record Document Rec'd Date:	TBD	
Original Proposed Retrofit:	Wet Pond	Field Recon Date:		
Revised Retrofit:		Associated Permits:	None	
Original P Removal:	4.39	Proposed Drainage Area:	45.50	acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	TBD			kg/yr
Construction Start date:	TBD			
Construction Completion date:	TBD			
Agreements:				
Municipal Reimbursement Complete?	Municipal Installation Complete?		Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	PC-3	Project Status:	Cancelled
Common Name:	Milltown Road	Total Project Cost:	TBD
Watershed:		Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	
Site Address:			
County:	Putnam	60% Submission Date:	
Municipality:	Southeast	100% Submission Date:	
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PC-4	Project Status:	Closed
Common Name:	North Brewster Rd	Total Project Cost:	TBD
Watershed:	Diverting	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	North Brewster Road		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Putnam County	100% Submission Date:	By Town
Supervisor:	Maryellen O'Dell	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Linear Channel Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	1.50 kg/yr	Proposed Drainage Area:	4.00 acres
Revised P Removal:	1.50 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.50 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	PC-5N, 5S	Project Status:	Design
Common Name:	PCDH&F	Total Project Cost:	TBD
Watershed:		Consulting Costs (actual):	TBD
Site Owner:	Putnam County Highway Department	Design Engineer:	Insite Engineering
Site Address:	Fair Street		
County:	Putnam	60% Submission Date:	
Municipality:	Putnam County	100% Submission Date:	
Supervisor:	Maryellen O'Dell	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Wet Extended Detention Pond	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	5.76	Proposed Drainage Area:	18.20 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	BY COUNTY		
Construction Completion date:	BY COUNTY		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PC-6	Project Status:	Closed
Common Name:	Teakettle Spout Lake	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Teakettle Spout Lake		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Putnam County	100% Submission Date:	By Town
Supervisor:	Maryellen O'Dell	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Impervious Removal	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.34 kg/yr	Proposed Drainage Area:	0.50 acres
Revised P Removal:	0.34 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.34 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	PC-9	Project Status:	Closed
Common Name:	Veterans Memorial Park	Total Project Cost:	TBD
Watershed:	West Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Vetrans Memorial Park		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Putnam County	100% Submission Date:	By Town
Supervisor:	Maryellen O'Dell	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Install Sand Filter	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.02 kg/yr	Proposed Drainage Area:	0.10 acres
Revised P Removal:	0.02 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.02 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	PutVal-PA-02	Project Status:	Design
Common Name:	Greenway Terrace	Total Project Cost:	TBD
Watershed:	Amawalk	Consulting Costs (actual):	TBD
Site Owner:	Town of Putnam Valley	Design Engineer:	J. Robert Folchetti Assoc.
Site Address:	Greenway Terrace		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Putnam Valley	100% Submission Date:	By Town
Supervisor:	Robert Tendy	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	9/27/2010
Revised Retrofit:	Detention pond/Stormfilter	Associated Permits:	Asticle 24-Wetlands/401-CWA SWPPP NOI
Original P Removal:	5.50 kg/yr	Proposed Drainage Area:	41.90 acres
Revised P Removal:	7.90 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	PW-120	Project Status:	Closed
Common Name:	138 South Harmony Rd	Total Project Cost:	TBD
Watershed:		Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	138 South Harmony Rd		
County:	Dutchess	60% Submission Date:	By Town
Municipality:	Pawling (Town)	100% Submission Date:	By Town
Supervisor:	David Kelly	Record Document Rec'd Date:	1/10/2012
Original Proposed Retrofit:	Outfall Protection, New Pipe, Channel Stabilization	Field Recon Date:	12/10/2012
Revised Retrofit:		Associated Permits:	None
Original P Removal:	0.13 kg/yr	Proposed Drainage Area:	6.50 acres
Revised P Removal:	0.13 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.13 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	PW-342	Project Status:	Concept
Common Name:	Pawling Fire District	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	
Site Address:	350 Rt 292		
County:	Dutchess	60% Submission Date:	
Municipality:	T/Pawling	100% Submission Date:	
Supervisor:	David Kelly	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Wet Pond/Bioretenction	Field Recon Date:	3/1/2014
Revised Retrofit:		Associated Permits:	None
Original P Removal:	0.43	Proposed Drainage Area:	3.40 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	PW-343	Project Status:	Concept	
Common Name:	Holmes Whaley Lake Civic Association	Total Project Cost:	TBD	
Watershed:	East Branch	Consulting Costs (actual):	TBD	
Site Owner:		Design Engineer:		
Site Address:	245 Rt 292	60% Submission Date:		
County:	Dutchess	100% Submission Date:		
Municipality:	T/Pawling	Record Document Rec'd Date:	TBD	
Supervisor:	David Kelly	Field Recon Date:	3/1/2014	
Original Proposed Retrofit:	Infiltration	Associated Permits:	None	
Revised Retrofit:		Proposed Drainage Area:	11.50	acres
Original P Removal:	0.91	P Removal Cost Efficiency:	TBD	\$/kg
Revised P Removal:	N/A			
Final P Removal Credit by NYSDEC:	TBD			kg/yr
Construction Start date: TBD				
Construction Completion date: TBD				
Agreements:				
Municipal Reimbursement Complete?		Municipal Installation Complete?		Private Installation Complete?



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	PW-82	Project Status:	Closed
Common Name:	39 Sans Souci Dr	Total Project Cost:	TBD
Watershed:		Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	39 Sans Souci Dr		
County:	Dutchess	60% Submission Date:	By Town
Municipality:	Pawling (Town)	100% Submission Date:	By Town
Supervisor:	David Kelly	Record Document Rec'd Date:	1/10/2012
Original Proposed Retrofit:	Outfall Protection, Ditch Stabilization, Sediment	Field Recon Date:	4/28/2010
Revised Retrofit:		Associated Permits:	None
Original P Removal:	1.14 kg/yr	Proposed Drainage Area:	13.08 acres
Revised P Removal:	1.14 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.14 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	PW-83	Project Status:	Closed
Common Name:	47 Sans Souci Dr	Total Project Cost:	TBD
Watershed:		Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	47 Sans Souci Dr		
County:	Dutchess	60% Submission Date:	By Town
Municipality:	Pawling (Town)	100% Submission Date:	By Town
Supervisor:	David Kelly	Record Document Rec'd Date:	1/10/2012
Original Proposed Retrofit:	Ditch Stabilization, Sediment/Debris Removal	Field Recon Date:	4/28/2010
Revised Retrofit:		Associated Permits:	None
Original P Removal:	0.48 kg/yr	Proposed Drainage Area:	2.44 acres
Revised P Removal:	0.48 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.48 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	SE-DI-03	Project Status:	Closed
Common Name:	Lincoln Rd	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	Municipal Engineer
Site Address:	Lincoln Rd		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Hydrodynamic Separator and Outfall Stabilization	Field Recon Date:	10/4/2010
Revised Retrofit:		Associated Permits:	None
Original P Removal:	1.32 kg/yr	Proposed Drainage Area:	10.30 acres
Revised P Removal:	1.30 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	SE-POT-01	Project Status:	Closed
Common Name:	Lake Tonetta	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Southeast	Design Engineer:	Nathan L. Jacobson Assoc.
Site Address:	201 Shore Dr (across from)		
County:	Putnam	60% Submission Date:	
Municipality:	Southeast	100% Submission Date:	4/25/2013
Supervisor:	Tony Hay	Record Document Rec'd Date:	10/1/2014
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	12/21/2011
Revised Retrofit:	Subsurface Gravel Wetland	Associated Permits:	Highway Opening Permit USACE Wetland
Original P Removal:	12.32 kg/yr	Proposed Drainage Area:	57.50 acres
Revised P Removal:	14.40 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	14.40 kg/yr		
Construction Start date:	11/5/2013		
Construction Completion date:	7/1/2014		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	Private Installation Complete?



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	SE-POT-02	Project Status:	Design
Common Name:	Brewster Heights	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:	Town/Private	Design Engineer:	Municipal Engineer
Site Address:	Bloomer Rd & 2350 Rt 6		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Hydrodynamic Separators	Field Recon Date:	
Revised Retrofit:	Multiple Channel Stabilization	Associated Permits:	None
Original P Removal:	15.51 kg/yr	Proposed Drainage Area:	58.90 acres
Revised P Removal:	22.50 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	SE-POT-06	Project Status:	Closed
Common Name:	Nichols Rd	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:	Nichols Rd		
County:	Putnam	60% Submission Date:	
Municipality:	Southeast	100% Submission Date:	
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	12/15/2011
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	5.20	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	SE-POT-07	Project Status:	Cancelled
Common Name:	Allview Ave	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:	Allview Ave		
County:	Putnam	60% Submission Date:	
Municipality:	Southeast	100% Submission Date:	
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Plunge Pool	Field Recon Date:	12/3/2010
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	SE-POT-08	Project Status:	Cancelled
Common Name:	Cobb Rd & Starr Ridge Rd	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Southeast	Design Engineer:	Lawrence A. Paggi
Site Address:	Cobb Road & Starr Ridge Rod		
County:	Putnam	60% Submission Date:	
Municipality:	Southeast	100% Submission Date:	
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Subsurface Infiltration	Field Recon Date:	
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	9.74	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-01	Project Status:	Closed
Common Name:	Lower Mine Road	Total Project Cost:	TBD
Watershed:	Muscot	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Lower Mine Road		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.19 kg/yr	Proposed Drainage Area:	14.40 acres
Revised P Removal:	0.19 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.19 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



EAST OF HUDSON WATERSHED CORPORATION

P.O. Box 176
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Checked by: Kevin Fitzpatrick, PE

EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-02	Project Status:	Closed
Common Name:	Seven Oaks Lane	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Seven Oaks Lane		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization / Deep Sump Catch Basin	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	1.51 kg/yr	Proposed Drainage Area:	11.70 acres
Revised P Removal:	1.51 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.51 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-03	Project Status:	Closed
Common Name:	Maple Road	Total Project Cost:	TBD
Watershed:	Middle Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Maple Road		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization / Deep Sump Catch Basin	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	1.03 kg/yr	Proposed Drainage Area:	24.10 acres
Revised P Removal:	1.03 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.03 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-04	Project Status:	Closed
Common Name:	Joe's Hill Road	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Joe's Hill Road		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.01 kg/yr	Proposed Drainage Area:	1.00 acres
Revised P Removal:	0.01 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.01 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-05	Project Status:	Closed
Common Name:	Nichols Rd	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Nichols Road		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.34 kg/yr	Proposed Drainage Area:	13.60 acres
Revised P Removal:	0.34 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.34 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-06	Project Status:	Closed
Common Name:		Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Cobb Road		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.00 kg/yr	Proposed Drainage Area:	0.16 acres
Revised P Removal:	0.00 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-07	Project Status:	Closed
Common Name:	Starlea Road	Total Project Cost:	TBD
Watershed:	Muscot	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Starlea Road		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization / Deep Sump Catch Basin	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.44 kg/yr	Proposed Drainage Area:	17.10 acres
Revised P Removal:	0.44 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.44 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-08	Project Status:	Closed
Common Name:	Ives Farm	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Ives Farm		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.78 kg/yr	Proposed Drainage Area:	9.10 acres
Revised P Removal:	0.78 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.78 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-09	Project Status:	Closed
Common Name:	Panorama	Total Project Cost:	TBD
Watershed:	Diverting	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Panorama		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.51 kg/yr	Proposed Drainage Area:	5.90 acres
Revised P Removal:	0.51 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.51 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-10	Project Status:	Closed
Common Name:	Carlson Lake	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Carlson Lake		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization / Deep Sump Catch Basin	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	1.20 kg/yr	Proposed Drainage Area:	14.70 acres
Revised P Removal:	1.20 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.20 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	SE-PRE-11	Project Status:	Closed
Common Name:	Shore Drive, Lake Tonetta	Total Project Cost:	TBD
Watershed:	Diverting	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Shore Dr/Lake Tonetta		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Outfall Stabilization / Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	2.82 kg/yr	Proposed Drainage Area:	26.30 acres
Revised P Removal:	2.82 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	2.82 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-MU-01	Project Status:	Complete
Common Name:	Somers Town Hall	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	335 Route 202		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	8/30/2012
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	4/16/2014
Original Proposed Retrofit:	Bioretention	Field Recon Date:	8/6/2009
Revised Retrofit:	Permeable Pavement	Associated Permits:	SWPPP NOI
Original P Removal:	1.03 kg/yr	Proposed Drainage Area:	0.66 acres
Revised P Removal:	1.03 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.03 kg/yr		
Construction Start date:	4/15/2013		
Construction Completion date:	7/14/2013		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	S-MU-03	Project Status:	Complete
Common Name:	Boces	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	BOCES	Design Engineer:	Woodard & Curran
Site Address:	Pines Bridge Road		
County:	Westchester	60% Submission Date:	5/12/2014
Municipality:	Somers	100% Submission Date:	5/30/2014
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Permeable pavement & subsurface infiltration	Field Recon Date:	10/9/2012
Revised Retrofit:	Channel Stabilization	Associated Permits:	None
Original P Removal:	N/A kg/yr	Proposed Drainage Area:	13.26
Revised P Removal:	24.20 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	7/16/2014		
Construction Completion date:	10/17/2014		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	Yes



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-MU-09A	Project Status:	Complete
Common Name:	Reis Park - Library Roof Disconnect	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	Primrose St & Rt 139		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	8/30/2012
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	4/16/2014
Original Proposed Retrofit:	Infiltration	Field Recon Date:	8/6/2009
Revised Retrofit:	Hydrodynamic Separator and Infiltration	Associated Permits:	SWPPP NOI
Original P Removal:	0.21 kg/yr	Proposed Drainage Area:	0.51 acres
Revised P Removal:	0.79 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.79 kg/yr		
Construction Start date:	10/1/2012		
Construction Completion date:	9/27/2013		
Agreements:			
Municipal Reimbursement Complete? Yes Municipal Installation Complete? Yes Private Installation Complete? No			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-MU-09B	Project Status:	Complete
Common Name:	Reis Park - Maintenance Bldg and Parking Area	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	Primrose St & Rt 139		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	8/30/2012
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	4/16/2014
Original Proposed Retrofit:	Infiltrate Roof Runoff	Field Recon Date:	8/6/2009
Revised Retrofit:	Hydrodynamic Separator and Infiltration	Associated Permits:	SWPPP NOI
Original P Removal:	0.56 kg/yr	Proposed Drainage Area:	0.42 acres
Revised P Removal:	0.90 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.90 kg/yr		
Construction Start date:	10/1/2012		
Construction Completion date:	9/27/2013		
Agreements:			
Municipal Reimbursement Complete?	Yes	Municipal Installation Complete?	Yes
		Private Installation Complete?	No



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-MU-09C	Project Status:	Complete
Common Name:	Reis Park - Main Parking Lot and Tennis Court	Total Project Cost:	TBD
Watershed:	Muscot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	Primrose St & Rt 139		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	8/9/2012
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	4/16/2014
Original Proposed Retrofit:	Bioretention	Field Recon Date:	8/6/2009
Revised Retrofit:	Permeable Pavement	Associated Permits:	SWPPP NOI
Original P Removal:	3.08 kg/yr	Proposed Drainage Area:	2.28 acres
Revised P Removal:	3.35 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	3.35 kg/yr		
Construction Start date:	10/1/2012		
Construction Completion date:	9/27/2013		
Agreements:			
Municipal Reimbursement Complete? Yes Municipal Installation Complete? Yes Private Installation Complete? No			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-MU-09D	Project Status:	Complete
Common Name:	Reis Park - Main Driveway and Rear Parking	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	Primrose St & Rt 139		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	8/9/2012
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	4/16/2014
Original Proposed Retrofit:	Bioretention	Field Recon Date:	8/6/2009
Revised Retrofit:	Bioretention	Associated Permits:	SWPPP NOI
Original P Removal:	0.85 kg/yr	Proposed Drainage Area:	2.53 acres
Revised P Removal:	0.92 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.92 kg/yr		
Construction Start date:	10/1/2012		
Construction Completion date:	9/27/2013		
Agreements:			
Municipal Reimbursement Complete? Yes Municipal Installation Complete? Yes Private Installation Complete? No			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-MU-09E	Project Status:	Complete
Common Name:	Reis Park and Town Hall Porous Pavement	Total Project Cost:	TBD
Watershed:	Muscot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	Primrose St & Rt 139		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	9/6/2012
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	4/16/2014
Original Proposed Retrofit:	Middle Drive: UG Detention/Stormfilter; Upper	Field Recon Date:	8/6/2009
Revised Retrofit:		Associated Permits:	SWPPP NOI
Original P Removal:	1.09 kg/yr	Proposed Drainage Area:	2.27 acres
Revised P Removal:	1.20 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.20 kg/yr		
Construction Start date: 10/1/2012			
Construction Completion date: 9/27/2013			
Agreements:			
Municipal Reimbursement Complete? Yes Municipal Installation Complete? Yes Private Installation Complete? No			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-MU-09F	Project Status:	Complete
Common Name:	Reis Park - Athletic Fields	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	Primrose St & Rt 139		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	8/9/2012
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	4/16/2014
Original Proposed Retrofit:	Bioretention and Infiltration	Field Recon Date:	9/19/2011
Revised Retrofit:	Bioretention	Associated Permits:	SWPPP NOI
Original P Removal:	1.65 kg/yr	Proposed Drainage Area:	5.19 acres
Revised P Removal:	1.65 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.65 kg/yr		
Construction Start date:	10/1/2012		
Construction Completion date:	11/22/2013		
Agreements:			
Municipal Reimbursement Complete? Yes Municipal Installation Complete? Yes Private Installation Complete? No			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-MU-09G	Project Status:	Cancelled
Common Name:	Reis Park - Pony and Men's Softball Fields	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	Primrose St & Rt 139		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Infiltration Trench	Field Recon Date:	3/7/2012
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	0.14	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



EAST OF HUDSON WATERSHED CORPORATION

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Print Date: February 3, 2015
Prepared by: Kevin Fitzpatrick, PE
Checked by: Kevin Fitzpatrick, PE

EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	S-MU-12	Project Status:	Closed
Common Name:	Plumbrook Pond Ditch Stabilization	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Municipal Engineer
Site Address:	SCSD Bus Garage		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Somers	100% Submission Date:	By Town
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	12/10/2012
Original Proposed Retrofit:	Repair Eroded Drainage Ditch	Field Recon Date:	8/20/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	1.12 kg/yr	Proposed Drainage Area:	41.20 acres
Revised P Removal:	1.12 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.12 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	S-MU-13	Project Status:	Closed
Common Name:	Plumbrook Pond Ditch Stabilization-2	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Municipal Engineer
Site Address:	SCSD Bus Garage		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Somers	100% Submission Date:	By Town
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	12/10/2012
Original Proposed Retrofit:	Repair Eroded Drainage Ditch	Field Recon Date:	8/20/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	3.09 kg/yr	Proposed Drainage Area:	31.80 acres
Revised P Removal:	3.09 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	3.09 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-MU-16/17	Project Status:	Construction
Common Name:	Somers Town Highway Garage and Material Yard	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	Rt 100		
County:	Westchester	60% Submission Date:	1/18/2013
Municipality:	Somers	100% Submission Date:	9/9/2013
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	16: Infiltration (I-2)/Bioretention (F-5); 17: Bioretention (F-5)	Field Recon Date:	8/20/2009
Revised Retrofit:	16/17: Multiple Pond System (P-4) w/o Extended Detention	Associated Permits:	NYCDEP Land Use Permit SPDES General Permit
Original P Removal:	5.40 kg/yr	Proposed Drainage Area:	6.56 acres
Revised P Removal:	5.90 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	10/17/2014		
Construction Completion date:	5/1/2015		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete?



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	S-MU-27a	Project Status:	Closed
Common Name:	Somers School District Ditch Stabilization	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Municipal Engineer
Site Address:	Rt 139		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Somers	100% Submission Date:	By Town
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	12/10/2012
Original Proposed Retrofit:	Stabilization	Field Recon Date:	8/27/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	1.25 kg/yr	Proposed Drainage Area:	27.00 acres
Revised P Removal:	1.25 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.25 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	S-MU-27b	Project Status:	Closed
Common Name:		Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	By Town
Municipality:	Somers	100% Submission Date:	By Town
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	12/10/2012
Original Proposed Retrofit:	Stabilization	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.36 kg/yr	Proposed Drainage Area:	27.00 acres
Revised P Removal:	0.36 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.36 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	S-MU-29	Project Status:	Closed
Common Name:	Plum Brook Rd Retrofit	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Plum Brook Rd		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Somers	100% Submission Date:	By Town
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	12/10/2012
Original Proposed Retrofit:	Stabilization	Field Recon Date:	9/10/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	3.33 kg/yr	Proposed Drainage Area:	25.50 acres
Revised P Removal:	3.33 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	3.33 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	S-MU-30	Project Status:	Closed		
Common Name:	Jan Ridge Road Brook Stabilization	Total Project Cost:	TBD		
Watershed:	Muscoot	Consulting Costs (actual):	TBD		
Site Owner:	Town of Somers	Design Engineer:	Municipal Engineer		
Site Address:					
County:	Westchester	60% Submission Date:	By Town		
Municipality:	Somers	100% Submission Date:	By Town		
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	N/A		
Original Proposed Retrofit:	Stabilization	Field Recon Date:			
Revised Retrofit:		Associated Permits:	None		
Original P Removal:	1.45	kg/yr	Proposed Drainage Area:	22.60	acres
Revised P Removal:	1.45	kg/yr	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	1.45	kg/yr			
Construction Start date:	By Town				
Construction Completion date:	By Town				
Agreements:					
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town					



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	S-MU-32	Project Status:	Closed
Common Name:	Erosion Control Near Muscoot River	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Wood St		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Somers	100% Submission Date:	By Town
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	12/10/2012
Original Proposed Retrofit:	Stabilization	Field Recon Date:	9/10/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.45 kg/yr	Proposed Drainage Area:	7.20 acres
Revised P Removal:	0.45 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.45 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	S-MU-33	Project Status:	Concept	
Common Name:	Van Tassell Memorial Park	Total Project Cost:	TBD	
Watershed:	Muscoot	Consulting Costs (actual):	TBD	
Site Owner:		Design Engineer:		
Site Address:	Van Tassell Memorial Park			
County:	Westchester	60% Submission Date:		
Municipality:	Somers	100% Submission Date:		
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	TBD	
Original Proposed Retrofit:	Porous Pavement/Infiltration	Field Recon Date:	10/8/2012	
Revised Retrofit:		Associated Permits:	None	
Original P Removal:	2.57	Proposed Drainage Area:	1.20	acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	TBD			kg/yr
Construction Start date:	TBD			
Construction Completion date:	TBD			
Agreements:				
Municipal Reimbursement Complete?	Municipal Installation Complete?		Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	S-MU-34	Project Status:	Cancelled
Common Name:	Veronica Drive	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:	Veronica Drive		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Stormfilter	Field Recon Date:	10/9/2012
Revised Retrofit:		Associated Permits:	None
Original P Removal:	2.30	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	S-MU-35	Project Status:	Cancelled
Common Name:	Lake Lincolndale	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Multiple practices	Field Recon Date:	10/10/2012
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-MU-NP3	Project Status:	Cancelled
Common Name:	South/North Hill Drainage Basin	Total Project Cost:	TBD
Watershed:	Muscot	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	Eastern Way & Rt 116		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Multiple Pond System (P-4)	Field Recon Date:	2/27/2012
Revised Retrofit:	South: Multiple Pond System; North: Stormfilter System	Associated Permits:	None
Original P Removal:	9.77 kg/yr	Proposed Drainage Area:	N/A acres
Revised P Removal:	9.77 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	S-NC-31	Project Status:	Closed
Common Name:	Moseman Ave Water Quality Improvement	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:	Moseman Ave		
County:	Westchester	60% Submission Date:	By Town
Municipality:	Somers	100% Submission Date:	By Town
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	12/10/2012
Original Proposed Retrofit:	Micropool Extended Detention	Field Recon Date:	9/10/2009
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.81 kg/yr	Proposed Drainage Area:	8.50 acres
Revised P Removal:	0.81 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.81 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	S-NC-36	Project Status:	Design
Common Name:	Lower Moseman Ave	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Woodard & Curran
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	10/10/2012
Revised Retrofit:	Channel Stabilization	Associated Permits:	None
Original P Removal:	1.32	Proposed Drainage Area:	71.10 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	N/A
Private Installation Complete?	N/A		



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	S-NC-NP4	Project Status:	Cancelled
Common Name:	North Lane	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:	Town of Somers	Design Engineer:	Woodard & Curran
Site Address:	North Lane		
County:	Westchester	60% Submission Date:	
Municipality:	Somers	100% Submission Date:	
Supervisor:	Rick Morrissey	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Curbing, shallow swales, wet ponds	Field Recon Date:	2/27/2012
Revised Retrofit:	N/A	Associated Permits:	None
Original P Removal:	1.50	Proposed Drainage Area:	N/A acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	N/A		
Construction Completion date:	N/A		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Southeast-EB-05	Project Status:	Closed
Common Name:	Rockledge Drive	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Southeast	Design Engineer:	Municipal Engineer
Site Address:	Rockledge Dr		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Outfall Stabilization	Field Recon Date:	10/4/2010
Revised Retrofit:		Associated Permits:	None
Original P Removal:	0.81	Proposed Drainage Area:	12.00 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.81 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	12/31/2012		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Southeast-PA-05	Project Status:	Complete
Common Name:	Brewster Hill	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Southeast	Design Engineer:	Nathan L. Jacobson Assoc.
Site Address:	Nancy Ln & Rt 312		
County:	Putnam	60% Submission Date:	By Town
Municipality:	Southeast	100% Submission Date:	By Town
Supervisor:	Tony Hay	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Outfall Channel Stabilization	Field Recon Date:	9/24/2010
Revised Retrofit:	Channel Stabilization	Associated Permits:	SWPPP
Original P Removal:	8.98 kg/yr	Proposed Drainage Area:	35.00 acres
Revised P Removal:	6.60 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	6.64 kg/yr		
Construction Start date:	6/3/2013		
Construction Completion date:	10/31/2013		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Southeast-PA-06B	Project Status:	Closed
Common Name:	44 Seven Oaks Lane	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Town of Southeast	Design Engineer:	Municipal Engineer
Site Address:	44 Seven Oaks Lane		
County:	Putnam	60% Submission Date:	
Municipality:	Southeast	100% Submission Date:	
Supervisor:	Tony Hay	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Detention Pond	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	2.80	Proposed Drainage Area:	21.70 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Southeast-PA-23	Project Status:	Complete
Common Name:	CV Star Intermediate School	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	Brewster Central School District	Design Engineer:	Insite Engineering
Site Address:	20 Farm-to-Market Rd		
County:	Putnam	60% Submission Date:	3/29/2012
Municipality:	Southeast	100% Submission Date:	5/22/2013
Supervisor:	Tony Hay	Record Document Rec'd Date:	8/29/2013
Original Proposed Retrofit:	Convert existing dry basin to wet pond	Field Recon Date:	12/10/2011
Revised Retrofit:	Micropool Extended Detention Pond (P-1)	Associated Permits:	None
Original P Removal:	2.06 kg/yr	Proposed Drainage Area:	17.40 acres
Revised P Removal:	6.93 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	6.93 kg/yr		
Construction Start date:	6/26/2013		
Construction Completion date:	8/29/2013		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Yes	Private Installation Complete?



EAST OF HUDSON WATERSHED CORPORATION

P.O. Box 176
Patterson, NY 12563
Tel: 845-319-6349
Fax: 845-319-6391

Print Date: February 3, 2015
Prepared by: Kevin Fitzpatrick, PE
Checked by: Kevin Fitzpatrick, PE

EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	VB-DI-31	Project Status:	Closed
Common Name:	Tonetta Brook Retrofit	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP, Brewster, MTA, PC DOT, and NYSDOT	Design Engineer:	J. Robert Folchetti Assoc.
Site Address:	Railroad Ave, Brewster		
County:	Putnam	60% Submission Date:	
Municipality:	Brewster	100% Submission Date:	2/9/2013
Supervisor:	James Schoenig	Record Document Rec'd Date:	10/27/2014
Original Proposed Retrofit:	Extended Detention Pond	Field Recon Date:	7/26/2011
Revised Retrofit:	Extended Detention Pond (P-3)	Associated Permits:	SWPPP NOI Land Use Permit
Original P Removal:	15.80 kg/yr	Proposed Drainage Area:	28.50 acres
Revised P Removal:	15.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	15.80 kg/yr		
Construction Start date:	8/8/2013		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete? Yes Municipal Installation Complete? Yes Private Installation Complete?			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	VB-DI-32	Project Status:	Closed
Common Name:	Wells Brook Retrofit	Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:	NYCDEP	Design Engineer:	J. Robert Folchetti Assoc.
Site Address:	Marvin Ave, Brewster		
County:	Putnam	60% Submission Date:	
Municipality:	Brewster	100% Submission Date:	
Supervisor:	James Schoenig	Record Document Rec'd Date:	10/27/2014
Original Proposed Retrofit:	Extended Detention Pond	Field Recon Date:	7/26/2011
Revised Retrofit:	Extended Detention Pond (P-3)	Associated Permits:	SWPPP NOI Land Use Permit
Original P Removal:	67.80 kg/yr	Proposed Drainage Area:	176.10 acres
Revised P Removal:	67.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	67.80 kg/yr		
Construction Start date:	8/8/2013		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Yes	Municipal Installation Complete?	Yes
Private Installation Complete?	No		



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	VPW-3	Project Status:	Closed
Common Name:		Total Project Cost:	TBD
Watershed:	East Branch	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:			
County:	Dutchess	60% Submission Date:	By Town
Municipality:	Pawling (Village)	100% Submission Date:	By Town
Supervisor:	Robert Liffland	Record Document Rec'd Date:	12/14/2012
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	0.02 kg/yr	Proposed Drainage Area:	1.26 acres
Revised P Removal:	0.02 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.02 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
		Private Installation Complete?	By Town



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	VPW-4	Project Status:	Closed		
Common Name:		Total Project Cost:	TBD		
Watershed:	East Branch	Consulting Costs (actual):	TBD		
Site Owner:		Design Engineer:	Municipal Engineer		
Site Address:					
County:	Dutchess	60% Submission Date:	By Town		
Municipality:	Pawling (Village)	100% Submission Date:	By Town		
Supervisor:	Robert Liffland	Record Document Rec'd Date:	12/14/2012		
Original Proposed Retrofit:	Channel Stabilization	Field Recon Date:			
Revised Retrofit:		Associated Permits:	None		
Original P Removal:	0.01	kg/yr	Proposed Drainage Area:	11.01	acres
Revised P Removal:	0.01	kg/yr	P Removal Cost Efficiency:	TBD	\$/kg
Final P Removal Credit by NYSDEC:	0.01	kg/yr			
Construction Start date: By Town					
Construction Completion date: By Town					
Agreements:					
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town					



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Y-MU-10	Project Status:	Design
Common Name:	Railroad Ave Park	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Yorktown	Design Engineer:	Hahn Engineering
Site Address:	Railroad Ave & Hanover St		
County:	Westchester	60% Submission Date:	
Municipality:	Yorktown	100% Submission Date:	
Supervisor:	Michael Grace	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Dry Swale	Field Recon Date:	8/10/2009
Revised Retrofit:	Pocket Pond (P-5)	Associated Permits:	None
Original P Removal:	3.30 kg/yr	Proposed Drainage Area:	6.10 acres
Revised P Removal:	4.30 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	N/A	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 1 (2010) Project Summary - Interim

Project ID:	Y-MU-11D	Project Status:	Closed
Common Name:	Junior Lake Parking Lot	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	By Town
Municipality:	Yorktown	100% Submission Date:	By Town
Supervisor:	Michael Grace	Record Document Rec'd Date:	4/25/2013
Original Proposed Retrofit:	Permeable Pavers	Field Recon Date:	
Revised Retrofit:	No Revision	Associated Permits:	None
Original P Removal:	0.07 kg/yr	Proposed Drainage Area:	0.10 acres
Revised P Removal:	0.07 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	0.07 kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete? By Town Municipal Installation Complete? By Town Private Installation Complete? By Town			



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Y-MU-14	Project Status:	Design
Common Name:	Police Station and Court	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Yorktown	Design Engineer:	Hahn Engineering
Site Address:	2281 Crompond Rd		
County:	Westchester	60% Submission Date:	
Municipality:	Yorktown	100% Submission Date:	5/1/2013
Supervisor:	Michael Grace	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Multiple Ponds	Field Recon Date:	8/11/2009
Revised Retrofit:	Wet Extended Detention Pond (P-3)	Associated Permits:	Stormwater, Tree, Wetland Article 24-Wetland Buffer
Original P Removal:	4.00 kg/yr	Proposed Drainage Area:	24.30 acres
Revised P Removal:	8.07 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	8.10 kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete?



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EOHWC Year 2 (2011) Project Summary - Interim

Project ID:	Y-MU-15	Project Status:	Closed
Common Name:	Yorktown High School	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Yorktown	Design Engineer:	Municipal Engineer
Site Address:			
County:	Westchester	60% Submission Date:	By Town
Municipality:	Yorktown	100% Submission Date:	By Town
Supervisor:	Michael Grace	Record Document Rec'd Date:	4/25/2013
Original Proposed Retrofit:	Extended Detention	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	2.43	Proposed Drainage Area:	16.00 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	By Town		
Construction Completion date:	By Town		
Agreements:			
Municipal Reimbursement Complete?	By Town	Municipal Installation Complete?	By Town
Private Installation Complete?	By Town		



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Y-MU-17A	Project Status:	Complete
Common Name:	Sparkle Lake	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Yorktown	Design Engineer:	Hahn Engineering
Site Address:	Granite Springs Road		
County:	Westchester	60% Submission Date:	1/21/2013
Municipality:	Yorktown	100% Submission Date:	4/12/2013
Supervisor:	Michael Grace	Record Document Rec'd Date:	6/26/2013
Original Proposed Retrofit:	Infiltration Trench and Outfall Stabilization	Field Recon Date:	2/21/2011
Revised Retrofit:	HDS and Infiltration Trench	Associated Permits:	Yorktown Wetland Permit
Original P Removal:	1.91 kg/yr	Proposed Drainage Area:	1.24 acres
Revised P Removal:	1.80 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	1.80 kg/yr		
Construction Start date:	8/8/2013		
Construction Completion date:	10/1/2013		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	No	Private Installation Complete?



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EOHWC Year 3 (2012) Project Summary - Interim

Project ID:	Y-MU-17B	Project Status:	Complete
Common Name:	Sparkle Lake	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Yorktown	Design Engineer:	Hahn Engineering
Site Address:	Granite Springs Road		
County:	Westchester	60% Submission Date:	1/21/2013
Municipality:	Yorktown	100% Submission Date:	4/12/2013
Supervisor:	Michael Grace	Record Document Rec'd Date:	6/26/2014
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	2/21/2011
Revised Retrofit:	Stormfilter	Associated Permits:	Yorktown Wetland Permit
Original P Removal:	6.80 kg/yr	Proposed Drainage Area:	14.60 acres
Revised P Removal:	4.33 kg/yr	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	4.30 kg/yr		
Construction Start date:	8/8/2013		
Construction Completion date:	10/1/2013		
Agreements:			
Municipal Reimbursement Complete?	No	Municipal Installation Complete?	No
		Private Installation Complete?	No



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EOHWC Year 5 (2014) Project Summary - Interim

Project ID:	Y-MU-40	Project Status:	Concept
Common Name:	Hallocks Mill	Total Project Cost:	TBD
Watershed:	New Croton	Consulting Costs (actual):	TBD
Site Owner:		Design Engineer:	
Site Address:	Saw Mill River Rd/Tidge St/Hallocks Mill Rd		
County:	Westchester	60% Submission Date:	
Municipality:	Yorktown	100% Submission Date:	
Supervisor:	Michael Grace	Record Document Rec'd Date:	TBD
Original Proposed Retrofit:	Wet Pond	Field Recon Date:	10/10/2012
Revised Retrofit:		Associated Permits:	None
Original P Removal:	14.87	Proposed Drainage Area:	60.90 acres
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	TBD kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Y-MU-41	Project Status:	Cancelled
Common Name:	Yorktown Highway Garage	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Yorktown	Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Yorktown	100% Submission Date:	
Supervisor:	Michael Grace	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Y-MU-42	Project Status:	Cancelled
Common Name:	YCCC	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Yorktown	100% Submission Date:	
Supervisor:	Michael Grace	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Y-MU-43	Project Status:	Cancelled
Common Name:	Heights	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Yorktown	Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Yorktown	100% Submission Date:	
Supervisor:	Michael Grace	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Y-MU-44	Project Status:	Cancelled
Common Name:	Depot Plaza North	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Town of Yorktown	Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Yorktown	100% Submission Date:	
Supervisor:	Michael Grace	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	



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EOHWC Year 4 (2013) Project Summary - Interim

Project ID:	Y-MU-45	Project Status:	Cancelled
Common Name:	Lexington Avenue	Total Project Cost:	TBD
Watershed:	Muscoot	Consulting Costs (actual):	TBD
Site Owner:	Unknown	Design Engineer:	
Site Address:			
County:	Westchester	60% Submission Date:	
Municipality:	Yorktown	100% Submission Date:	
Supervisor:	Michael Grace	Record Document Rec'd Date:	N/A
Original Proposed Retrofit:	Hydrodynamic Separator	Field Recon Date:	
Revised Retrofit:		Associated Permits:	None
Original P Removal:	N/A	Proposed Drainage Area:	N/A
Revised P Removal:	N/A	P Removal Cost Efficiency:	TBD \$/kg
Final P Removal Credit by NYSDEC:	N/A kg/yr		
Construction Start date:	TBD		
Construction Completion date:	TBD		
Agreements:			
Municipal Reimbursement Complete?	Municipal Installation Complete?	Private Installation Complete?	