DELAWARE COUNTY STREAM CORRIDOR MANAGEMENT PROGRAM

TWO-YEAR ACTION PLAN for the WEST BRANCH DELAWARE RIVER CANNONSVILLE RESERVOIR BASIN

May 2009 - April 2011



Village of Walton - Terrace Avenue Streambank Restoration - 2007

DELAWARE COUNTY STREAM CORRIDOR MANAGEMENT PROGRAM

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May 2009 - April 2011

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Task I. Program Development

The Delaware County Soil & Water Conservation District (DCSWCD) and New York City Department of Environmental Protection (NYCDEP) is transitioning to the implementation phase of the local Stream Corridor Management Plans (SCMPs). Certain tasks are pertinent to overall program development, especially DCSWCD-NYCDEP-local stakeholder efforts. Specific activities would include:

Task I-A - Project Advisory Committee (PAC)

Implementation			Evaluation			
			What evidence indicates How and when will e			
What needs to be done	By whom and when	What resources	progress	Action items	be gathered	
Re-form Project Advisory Committee - Identify potential members and solicit for an organizational meeting	DCSWCD, DCPD, DEP, stakeholder committee - 2008	NYCDEP Contract			Documentation of activities as they occur. Semi-annual reporting.	
Form SubCommittees	DCSWCD, DCPD, DEP, stakeholder committee - 2008	NYCDEP Contract	meeting, number of members	meetings per sub-committee held by 2012. Prepare subcommittee administration	Documentation of activities as they occur. Semi-annual reporting. Subcommittees will be tracked in EB Action Plan	
PAC interaction:	PAC members - ongoing	NYCDEP Contract				
Implement prioritized SCMP recommendations	PAC members - ongoing		Recommendation implementation on local level. Number of recommended actions recorded and tracked	Sub-committees contribute action items to action plan and assist with implementation. Proposed action items tracked and reported on annually. Priority list revised and updated by February 2010	reporting.	
Identify future needs	PAC members - ongoing		Needs identified	Sub-committees will help identify future needs.	Documentation of needs as they occur. Semi-annual reporting.	
Guide and participate in E/O efforts	PAC members - ongoing		PAC participation in E/O efforts	2012 with PAC participation.	Documentation of PAC participation and contribution, semi-annual reporting	
Consult with SCMP staff as needed	PAC members - ongoing		Open dialogue	SCMP staff will serve on sub- committees	Records of consultations	

Task I-A - Project Advisory Committee (PAC)

Implementation			Evaluation		
			What evidence indicates		How and when will evidence
What needs to be done	By whom and when	What resources	progress	Action items	be gathered
					Community participation in
					established, pilot and new
Promote community			Active community stewardship	PAC initiates 3 stewardship	programs. Semi-annual
stewardship efforts	PAC members - ongoing		role	efforts independently	reporting.
			Meetings held as scheduled		
	SCMPr, DCPD, NYCDEP,		Increase active role in decision		Meeting minutes distributed
Meet quarterly with PAC	PAC - quarterly	NYCDEP Contract	making	8 meetings scheduled by 2012	within one week of meeting

Program partners - NYCDEP, Delaware County agencies, state and federal agencies Stakeholders - Towns, villages, local businesses, landowners

Task I-B - Delaware County Planning Department (DCPD) Contract

Implementation			Evaluation			
			What evidence indicates		How and when will evidence	
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered	
Danaw contract	DCSWCD, DCDP - April 2008	NYCDEP Contract	Contract execution		When contract is executed	
Renew contract Contract deliverables	DC3WCD, DCDF - April 2008	NTOBEF Contract	Contract execution		When contract is executed	
Contract deliverables			Job announcement out.			
					Decumentation of completed	
	DCDD DCCWCD NVCDED		Applications received.		Documentation of completed	
Llas Otas an Discour	DCPD, DCSWCD, NYCDEP -	NIVODED October	Interviews conducted. Position		steps of the process. Annual	
Hire Stream Planner	2008	NYCDEP Contract	filled.	lo. Bl . I .	reporting.	
				Stream Planner to advise		
				Flood Management,		
				Highway/Infrastructure and		
Participate with PAC				Education and Outreach sub-	Documentation of participation.	
activities	SCMPr, DCDP - ongoing	NYCDEP Contract	Participation occurs	committees	Annual reporting.	
					1	
Integrate SCMPr activities				Incorporate SCMP		
with flood hazard mitigation				recommendations into updates		
(CEMP) and All-Hazards				of CEMP and All-Hazards	Documentation of participation.	
Mitigation Plan	SCMPr, DCPD - ongoing	NYCDEP Contract	Participation occurs	Mitigation Plan and vice-versa	Annual reporting.	
Work with communities to			·			
integrate stream protection				SCMP referenced in local		
concepts in local regs and			Actual changes in these	planning documents and	Documentation as changes	
Comprehensive Plans	SCMPr, DCPD - ongoing	NYCDEP Contract	documents	regulations	occur. Annual reporting.	
Participate in training efforts					Documentation of training	
for local gov'ts, planning					events. Provide evaluation	
boards, CEOs and general					results from participants.	
public	SCMPr, DCPD - ongoing	NYCDEP Contract	Number of training events held	Hold 5 trainings by 2012	Annual reporting.	
равне	COWN 1, DOI D - Origoning	INTOBEL CONTRACT	Trumber of training events field	l loid 5 trainings by 2012	Armai reporting.	
				Adoption of SCMP at municipal		
Assist with public outreach				level in most West Branch	Documentation of outreach	
efforts	SCMPr, DCPD - ongoing	NYCDEP Contract	Number of outreach events		efforts. Semi-annual reporting.	
elioits	SCIVIFT, DCFD - Origoning	NTOBER Contract	Drafts of floodplain laws, public		Documentation of law	
Development of model local	SCMPr, DCPD - ongoing from		hearings, submission to	new FEMA floodplain maps	development phases. Annual	
•		NYCDEP Contract	Secretary of State			
floodplain development laws	2008	NYCDEP Contract	Number of communities	starting Summer 2009	reporting.	
lumple on a materia and a second al			adopting revised local	Doutisingto in local adaptica of	Decumentation of low	
Implementation of model	COMP. DODD : :		floodplain laws. Number of	· ·	Documentation of law	
· ·	SCMPr, DCPD - ongoing from	NIVODED O	permits issued. How permits	new FEMA floodplain maps	development phases. Annual	
laws	2009	NYCDEP Contract	are issued.	starting Summer 2009	reporting.	
				Addition of Town of Tompkins		
Assist with basin-specific				to WBDR SCMP, evaluating	Completion of drafts of various	
management plan	SCMPr, DCPD - ongoing as			potential for formation of sub-	plan components. Semi-	
development	needed	NYCDEP Contract	Plan development activities	basin watershed groups	annual reporting.	

Task I-C - Delaware County Department of Public Works (DCDPW)

Implementation			Evaluation		
			What evidence indicates		How and when will evidence
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered
Develop MOA with DCDPW	DCSWCD, DCPD, NYCDEP, DCDPW - Spring 2008	NYCDEP Contract	Identify DCDPW needs. Identify action items.		Needs identified. Action items acted on. Annual reporting.
Training opportunities	DCSWCD, DCPD	DCSWCD, DCPD	Trainings scheduled and held, number pf participoants reported	Schedule 2 trainings by 2012	Meeting sign-in sheets
Collaboration on stream/stormwater projects	DCSWCD, DCDPW	DCSWCD, DCDPW, NYCDEP contract funds	implementation	County Rte. 22 Restoration project, various culvert and stormwater infrastructure projects	As-built documents, Annual reports, key communications on reviews
Planning/design (Highway Management Plans, etc.)	DCSWCD, DCPD, DCDPW		Process established for review of HMPs and other plans/designs	Highway Plans reviewed, SCMP recommendatiopns incorporated.	Finalized HMPs

Task I-D - Implementation of WBDR SCMP Recommendations

Implementation of WBDR SCMP Recommendations			Evaluation			
			What evidence indicates		How and when will evidence	
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered	
1) Callabaration with	CCMP- NIVODED WAD				Manting minutes distributed	
1) Collaboration with Watershed Ag Program (WAP)	SCMPr, NYCDEP, WAP -	NYCDEP Contract	Discussion meeting	9 mostings hold by 2012	Meeting minutes distributed within one week of meeting	
a) Develop education	spring 2006	NYCDEP Contract	Discussion meeting	8 meetings held by 2012	within one week of meeting	
program in stream process						
and basic stream				Finalization of training	Documentation of training	
assessment for planning and	SCMPr NYCDEP WAP -			materials, 4 trainings to be held		
	spring 2008	NYCDEP Contract		by 2012, 40 participants trained		
implementation teams	Spring 2000	TYTOBET CONTIACT	Training program in place	by 2012, 40 participants trained	results from participants.	
b) Work toward updating and						
implementing Environmental	SCMPr, NYCDEP, WAP -		Progress on the task. Updates	Stream assessment	Documentation of progress.	
	2008	NYCDEP Contract		incorporated	Annual reporting.	
				•	Documentation of strategies.	
c) Develop program					Annual reporting. Number of	
collaboration protocols	SCMPr, NYCDEP, WAP -			Finalize SOP with WAP by fall	projects reviewed and advised	
between WAP and SCMPr	spring 2008	NYCDEP Contract	Protocols in place.	2009	on	
			Identification of ineligible reach,			
			initial consultation, CREP			
2) Provide technical support for			commitment by producer,			
Conservation Reserve				Work with NRCS on 5 projects		
	SCMPr, NYCDEP, NRCS,	NYCDEP Contract, others as	. , .	by 2012. Develop	CREP. Project timeline form	
` / I	WAP - as needed	identified	implementation	administrative plan.	executed. Annual reporting.	
3) Assist NYCDEP and WAC						
with efforts to enhance						
cropland CREP	COMP. NIVODED NIDOS	N, (ODED 0 / / 110D 4			Options identified. Project	
	SCMPr, NYCDEP, NRCS,	NYCDEP Contract, USDA,		Continue to advocate cropland		
term CREP contracts	WAP - as needed	WAP, others as identified	in CREP by 2012	CREP with farmers, WAC, etc. Pilot project designed and	Annual reporting. Impacted reach identified.	
1) Dovolon Variable Width	SCMPr, NYCDEP, NRCS,	NYCDEP Contract, USDA,	Identification of pilot project	implemented by 2010. Develop	•	
Develop Variable Width Buffer Program	WAP - as needed, 2009 goal	WAP, others as identified	1.	administrative plan.	Annual reporting.	
Bullet Flogram	WAF - as fleeded, 2009 goal	WAP, others as identified	site	Continue to identify projects	Armuai reporting.	
			Funds granted for stream	eligible for CWC funding		
5) Assist municipalities with			corridor and other projects.	Assist with project feasibility		
their participation with Catskill			Consultations with local	reviews	Documentation of	
Watershed Corporation (CWC)	SCMPr NYCDEP CWC-		municipalities for new Stream	Assist implementation where	consultations and projects.	
. , ,	ongoing	CWC funds	Corridor Protection program.	needed	Annual reporting.	
6) Implement Streamside		NYCDEP Contract, others as	condent recoder program.		gar reperang.	
, .	SCMPr, NYCDEP - 2008	identified	See section VI		See section VI	

Task I-D - Implementation of WBDR SCMP Recommendations

Implementation			Evaluation			
			What evidence indicates		How and when will evidence	
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered	
7) Stream gravel deposition issues	SCMPr, NYSDEC, USACOE, NYCDEP, CWC - 2008	NYCDEP Contract, CWC	Sponsoring of workshops. Identification of pilot project and implementation of management protocol. Participation with InterAct	Scheduling of 3 workshops with stream intervention practioners and others concerned with stream gravel issues Pilot testing of protocol.	Documentation of workshops & meetings. Impacted reach identified. Project timeline form executed. Annual reporting.	
Establish stream work permitting working group	SCMPr, DCDPW, NYCDEP, NYSDEC, USACOE, USFWS, other SWCDs - 2009	NYSDEC, USACOE, NYCDEP Contract	Preliminary meetings held. Working group developed. Participation with InterAct	Highway Infrastructure Management/Gravel and Debris Management/ Streamlined Permitting Sub- Committee organizational meeting held by June 1 2009. Develop administrative plan	Meeting minutes distributed within one week of meetings. Semi-annual reporting.	
Culvert assistance to municipalities	SCMPr, towns, villages, county, NYSDEC, USACOE, NYCDEP - 2009	NYCDEP Contract, CWC, others	Workshops. Participation with InterAct. Project design and/or implementation assistance.	2 meetings/workshops held by 2012. 20 culverts assessed by 2012. 3 culvert projects completed by 2012.	Documentation of workshops & meetings. Impacted reach identified. Project timeline form executed. Annual reporting.	
10) Participation with DCAP	SCMPr, DCAP partners - ongoing	NYCDEP Contract, DCDWSA, CWC, others	Bi-monthly meetings. Partnering activities.	30 meetings with DCAP partners held by 2012	Meeting minutes distributed within one week of meetings. Documentation of partnering activities. Annual reporting.	
11) Expand public education and outreach	SCMPr, DCPD, NYCDEP, CWC, watershed stakeholders ongoing	NYCDEP Contract, CWC, others	workshops. Public workshops, exhibits, school programs,	Administrative plan completed by May 31, 2009. 5 meetings with other WOH county agencies to coordinate outreach by 2012. 5 workshops and 5 trainings held by 2012.	Annual reporting.	
12) FGM assessments at bridges and culverts	SCMPr, towns, villages, county, NYCDEP - as neededand as time permits	NYCDEP Contract, CWC, others	Protocol developed with partners	5 bridges/culverts assessed by 2012	Documentation of program progress. Meeting minutes. Annual reporting.	

Task I-D - Implementation of WBDR SCMP Recommendations

Tuoni Dimpiomornation C.	Implementation		Evaluation			
			What evidence indicates		How and when will evidence	
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered	
13) Flood hazard mitigation		NYCDEP Contract, CWC, USDA EWP, FEMA, SEMO,	Assist Delaware County with CEMP activities and implementation of All-Hazards	3 Scientific Post-Flood Emergency Stream Intervention for Contractors Trainings to be held April 2009. Administrative Plan completed by Aug 31, 2009. Flood response protocol	Documentation of program	
and recovery	SCMPr, DCPD - ongoing	others	Mitigation Plan priorities.	developed by November 2009.	progress. Annual reporting.	
14) Continue geomorphic research/assessments	SCMPr, NYCDEP, towns, villages, county, stakeholders - as needed and as time permits	NYCDEP Contract	Assessments requested and performed	Document identified stream reaches. Lower Trout Creek assessment done in 2009. Continue Third Brook assessments in 2009.	Assessment data compiled, entered into geodatabase. Annual reporting	
15) Keep WBDR SCMP updated	SCMPr, DCPD, DCDWA, DCDPW, NYCDEP, county, towns, villages, planning boards, PAC, stakeholders - ongoing as needed	NYCDEP Contract	Updates/amendments proposed and/or adopted	West Branch Action Plan completed April 2009. East Branch Action Plan completed April 2010.	Docmumentaiton of updates. Annual reporting.	
16) Local ownership of SCMP	SCMPr, DCPD, DCDWA, NYCDEP, PAC, local town and planning boards, stakeholders - 2005	NYCDEP Contract	Adoption of SCMP by individual municipalities	Plans adopted by high, medium, and low priority municipalities by February 2010. Formalize process for communities to bring potential stream management projects and other action items to attention of DCSWCD.	Plan adopted by Board of Supervisors Resolution No 129 of 2005. Annual reporting.	

Task II. Staff Training & Development

As the SCMPr transitions to the implementation phase of the Stream Corridor Management Plan, additional training will be required to ensure staff will meet program goals. Additional training will be necessary as program activities are further refined. Training needs may include, but not be limited to:

Implementation			Evaluation			
			What evidence indicates		How and when will evidence	
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered	
			Training courses attended.	All staff CPESC certified by	Documentation of training.	
CPESC certification	SCMPr staff - as available	NYCDEP Contract	CPESC exam taken.	2012	Certification obtained.	
					Documentation of training.	
Stream processes, gravel and	WAP planners, technicians,				Certification obtained (where	
debris management training	CETs, engineers - 2008	NYCDEP Contract, WAP	Training courses attended.		applicable).	
	DCSWCD CETs, NRCS and					
	WAP engineers, local highway					
	personnel, CWC - as				Documentation of training.	
_	professional instructors are	NYCDEP Contract, WAP,			Certification obtained (where	
River morphology/engineering	available	NRCS, CWC	Training course(s) attended		applicable).	
				Planner completes level I,		
				SAP Coordinator completes I		
				and II, EIT completes IV,		
				Technician 2 completes III,	Documentation of training.	
_	SCMPr staff, DCSWCD CETs -	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Tech Trainee completes III by	Certification obtained (where	
Rosgen courses	as courses are available	NYCDEP Contract, WAP	Training course(s) attended	2012	applicable).	
	Only of all COMPs and DODD			English and SIT as a solution	Documentation of training.	
A division and the educations	Selected SCMPr and DCPD	NVODED Comment of the sec	Tueinie e e e e e e e e e e e e e e	Engineer and EIT complete	Certification obtained (where	
Advanced hydrology	staff - as available	NYCDEP Contract, others	Training course(s) attended	HEC RAS training	applicable).	
	Selected SCMPr and DCPD				Documentation of training.	
Sediment transport		NYCDEP Contract, others	Training course(a) attended		Certification obtained (where applicable).	
Sediment transport	stati - as avaliable	NYCDEP Contract, others	Training course(s) attended	Planner completes courses	applicable).	
				necessary for CFM, DEP		
	Selected SCMPr and DCPD	NYCDEP Contract, NYSDEC,		Project Manager completes	Documentation of training.	
Floodplain management	staff - as available	FEMA, others	Training course(s) attended	courses necessary for CFM	Certification obtained	
1 loodplain management	Stail - as available	LIVIA, Others	Training course(s) attended	SAP Coordinator completes	Certification obtained	
				training in contract		
				management and		
				procurement, landscape		
				design, plant	Documentation of training.	
				identification/propagation and	Certification obtained (where	
Riparian buffer design	SCMPr staff- as available	NYCDEP Contract - SAP	Training course(s) attended	statistical analysis.	applicable).	

Task II. Staff Training & Development

As the SCMPr transitions to the implementation phase of the Stream Corridor Management Plan, additional training will be required to ensure staff will meet program goals. Additional training will be necessary as program activities are further refined. Training needs may include, but not be limited to:

Implementation			Evaluation		
			What evidence indicates		How and when will evidence
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered
				EIT and Technician stay	
				current with AutoCAD Civil 3D	
				and Technician and Tech	
				Trainee stay current with	
				ARCGIS. EIT, Tech and	Documentation of training.
	SCMPr and DCPD staff - as			Engineer train in use of	Certification obtained (where
Computer software	available	NYCDEP Contract	Training course(s) attended	Rivermorph	applicable).
				Planner and SAP Program	Documentation of training.
	SCMPr and DCPD staff, as			Coordinator train in education	Certification obtained (where
Education & Outreach	available	NYCDEP Contract	Training course(s) attended	and outreach to stakeholders	applicable).

Task III. Education and Outreach

DCSWCD will continue education efforts on stream processes, gravel management, floodplain management, integration of stream and floodplain management with highway and stormwater management and other topics pertinent to sound watershed management. Efforts to significantly increase education and outreach is a high priority. The objectives of these efforts are to dispel myths and improve local knowledge of sound management principles.

Implementation			Evaluation		
	·		What evidence indicates		How and when will evidence
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered
Stream process/gravel and					
floodplain management					
workshops for					
planning/governing boards,					
hwy supts, CEOs, developers,	SCMPr, DCPD and NYCDEP				
lenders, realtors, SEMO and	staff, consultants - Prepare				Documentation of workshops.
others as identified	goals in 2008 - on going	NYCDEP Contract	Workshops scheduled	5 Workshops held by 2012	Annual reporting.
	SCMPr, DCPD and NYCDEP				
SCMP outreach to local	staff - Prepare goals in 2008 -			Meet with all Planning Boards	Documentation of workshops.
planning boards	on going	NYCDEP Contract	Workshops scheduled	in watershed by January 2010	Annual reporting.
			Training scheduled - classroom		
Stream intervention work			and on site venues. Apply for		
training for local hwy depts,	SCMPr and NYCDEP staff -	Round IX EPF grant, NYCDEP	next EPF funding round to	3 Trainings scheduled for April	Documentation of training.
contractors.	2008-2009	Contract	continue.	2009	Annual reporting.
Catskill Center for					
Conservation & Development					
CSWEP program in local	SCMPr staff - ongoing each			Regularly visit 5 schools each	Documentation of trainings.
schools	spring	Catskill Center, WAC	Trainings scheduled	year.	Annual reporting.
					Documentation of outreach
Participation with Japanese		NYCDEP Contract, SUNY	Technical outreach and	Participation in 5 projects by	and assistance. Annual
Knotweed pilot projects	SCMPr staff - ongoing	Delhi AmeriCorps	assistance provided	2012	reporting.
				Display/demonstration	Display/demonstration
	SCMPr staff - each year during		Display/demonstration planned		implemented. Annual
Delaware County Fair	Fair Week		& organized	2009	reporting.
·				Organize and host 3 stream	
				focused community events by	
	SCMPr staff - as requested, as		Demonstration planned &	2012, participate in 5 other	Demonstration implemented.
Community events	time permits	NYCDEP Contract	organized ·	community events.	Annual reporting.

Task III. Education and Outreach

DCSWCD will continue education efforts on stream processes, gravel management, floodplain management, integration of stream and floodplain management with highway and stormwater management and other topics pertinent to sound watershed management. Efforts to significantly increase education and outreach is a high priority. The objectives of these efforts are to dispel myths and improve local knowledge of sound management principles.

Implementation			Evaluation		
			What evidence indicates		How and when will evidence
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered
				Prepare SCMP update	
				outreach materials for public by	
				Summer 2009	
				Ramp up efforts to fully utilize	
				Catskill Streams website.	
				Release Action Plan in a	Documentation of publications,
	SCMPr, DCPD, NYCDEP staff	NYCDEP Contract, CWC,	Materials produced, websites	format that is legible to the	website updates & workshops.
General public outreach	ongoing	others	updated, workshops scheduled	public.	Annual reporting.

Task IV. Schedule of Stream Intervention Projects
Stream restoration, streambank stabilization, emergency stream intervention and any other project involving construction activities to improve stream stability and water quality

Implementation			Evaluation			
	·		What evidence indicates		How and when will evidence	
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered	
Develop process to determine how projects will be identified, prioritized and funded	SCMPr, NYCDEP, PAC, others - ongoing		Meetings to develop protocol. Protocol developed and implemented.	Develop protocol in 2009	Documention of progress	
Implement vegetation component at Terrace Avenue	SCMPr, DCDWSA, USACOE, NYCDEP, Village of Walton - spring 2008	USACOE, NYCDEP, Village of	Vegetation implementation commenced and completed. As-built surveys completed. Project close-out.		Documentation of implementation and project completion. Annual reporting.	
Implement vegetation component at South Street	SCMPr, DCDWSA, USACOE, NYCDEP, Village of Walton - spring 2009	USACOE, NYCDEP, Village of Walton	Vegetation implementation commenced and completed. As-built surveys completed. Project close-out.	Project completed by December 2009	Documentation of implementation and project completion. Annual reporting.	
Loewentheil stream intervention to facilitate CREP Trout Creek - WBDR	SCMPr, NYCDEP, WAP - 2010		Design/permitting in progress. Project approved by NYCDEP and landowner. Project out to bid. Project implemented, as- built surveys, close-out.	Project completed by December 2010	Documentation of design/permitting/bidding and construction, as-builts and close-out. Annual reporting.	
mitigation	SCMPr, DCDWSA, NYSDEC, NYCDEP, Municipalities, local stakeholders - 2009		Construction implemented. Planning meetings held. Design/permitting in progress for future components. Construction implemented. Projects out to bid.	1 flood mitigation project completed by 2012	Documentation of planning meetings/design/permitting/bidding and construction. Annual reporting.	
Perform Level II survey of Trout Creek in Shelton- LaTourette-Backus corridor	SCMPr - 2009	NYCDEP Contract	Level II survey in progress and completed	Report compiled and finalized by (date)	Data collected and analyzed. Report compiled. Annual reporting.	

Task IV. Schedule of Stream Intervention Projects
Stream restoration, streambank stabilization, emergency stream intervention and any other project involving construction activities to improve stream stability and water quality

Implementation			Evaluation		
			What evidence indicates		How and when will evidence
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered
			Eligible site field visits. Planting		
	SCMPr, NYCDEP, NYSDEC,		plans developed. Permits		
	NRCS, local		extended/obtained. Projects		
Implementation of EWP	municipalities/landowners -	NYCDEP Contract, NYSDEC,	out to bid. Projects		Documentation of all project
planting plans	2009	NRCS	implemented.	and installed by 2012	phases. Annual reporting.
			Design/permitting in progress.		
			Project approved by NYCDEP, NYSDEC, DCDPW and		
			landowners. Project out to bid.	Possivo FEMA design	
	SCMPr, NYCDEP, NYSDEC,	NYCDEP Contract, FEMA,	•	<u> </u>	Documentation of all project
County Route 22 Mitigation	DCDPW, others- 2012	DCDPW, others	surveys, close-out.	2009	phases. Annual reporting.
County Route 22 Willigation	DODI W, others- 2012	DCDI W, Others	Surveys, close-out.	2009	priases. Ariitaarreporting.
	SCMPr, NYCDEP, NYSDEC -				
Round 9 Grant Training	2009-2012	NYCDEP Contract, NYSDEC	Trainings held	4 trainings held by 2012	Documentation of trainings
		,	Survey completed. Project	,	Ĭ
			approved by NYSDOT and		
			NYCDEP. Design/Permitting in		
			progress. Project out to bid.		
Falls Creek Mitigation - NYS	SCMPr, NYCDEP, NYSDOT -	NYCDEP Contract, NYSDEC,	Project implemented, as-built		Documentation of all project
Route 28 - Town of Delhi	2011	others	surveys, close-out	Project completed by 2011	phases. Annual reporting.
			Geotech survey and analysis.		
			Surveys completed. Project		
			approved by NYSDOT and		
			NYCDEP. Design/Permitting in		
	COMP. NIVODED CIMO	NIVODED Contract CINC	progress. Project out to bid.		Decima estation of all project
Third Brook Slope Stabilization	SCMPr, NYCDEP, CWC,	NYCDEP Contract, CWC,	Project implemented, as-built	Drainet completed by 2011	Documentation of all project
Trilla Brook Slope Stabilization	USACE, Officis - 2011	USACE, others	surveys, close-out	Project completed by 2011	phases. Annual reporting.
			Design completed. Project out		
	SCMPr, NYCDEP, CWC -		to bid. Project implemented,		Documentation of all project
Dubben Propery Planting	2009	SCMPr, CWD		Project completed by 2009	phases. Annual reporting.
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Task IV. Schedule of Stream Intervention Projects
Stream restoration, streambank stabilization, emergency stream intervention and any other project involving construction activities to improve stream stability and water quality

Implementation			Evaluation		
			What evidence indicates		How and when will evidence
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered
Floodplain Purchase and			Contract for land purchase.		
Reclamation - Village of	SCMPr, NYCDEP, USACE,	NYCDEP Contract, USACE,	Reclamation plan approved.		Documentation of all project
Walton	Others - 2011	others	Reclamation completed.	Project completed by 2011	phases. Annual reporting.
			Landowner acceptance.		
Richard LaTourette Farm -			Round XV AEM grant applied		
stream intervention to facilitate	SCMPr, NYCDEP, WAP -	WAP, NYSDEC, NYCDEP	for. Design/permitting in	Project completed and property	Documentation of activities.
CREP - Trout Creek	2009	Contract	progress. Project out to bid.	enrolled in CREP by 12/2010	Annual reporting.
			Landowner acceptance.		
Jim Backus Farm - stream			Round XV AEM grant applied		
intervention to facilitate CREP	SCMPr, NYCDEP, WAP -	WAP, NYSDEC, NYCDEP	for. Design/permitting in	Project completed and property	Documentation of activities.
Trout Creek	2010	Contract	progress. Project out to bid.	enrolled in CREP by 12/2010	Annual reporting.
			Landowner acceptance.		
			Round grants applied for.	2 of projects and related	
Other CREP facilitation	SCMPr, NYCDEP, WAP - as	WAP, NYCDEP Contract,	Design/permitting in progress.	property enrolled in CREP by	Documentation of activities.
projects as identified	identified	others	Project out to bid.	2012	Annual reporting.

Task V. Project Monitoring and Maintenance

It is a requirement that completed restoration projects be monitored for a given period of time to evaluate project effectiveness and gather data for use on future projects. The following projects will require post-project monitoring from 2009-2012

Implementation			Evaluation		
	·		What evidence indicates		How and when will evidence
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered
				Monitoring and reports	
David Post stream restoration			Monitoring performed, reports	submitted to NYCDEP annally	Monitoring documented.
and retrofit	SCMPr: 2009-2012	NYCDEP Contract	submitted to DEP	by December 31	Annual reporting.
John Palmitier stream stabilization	SCMPr: 2009-2012	NYCDEP Contract	Monitoring performed, reports submitted to DEP	Monitoring and reports submitted to NYCDEP annally by December 31	Monitoring documented. Annual reporting.
David Rama stream restoration	SCMPr: 2009-2012	NYCDEP Contract	Monitoring performed, reports submitted to DEP	Monitoring and reports submitted to NYCDEP annally by December 31	Monitoring documented. Annual reporting.
Village of Walton restoration				Monitoring and reports	
project - South Street &			Monitoring performed, reports	submitted to NYCDEP annally	Monitoring documented.
Terrace Avenue locations	SCMPr: 2009-2012	NYCDEP Contract	submitted to DEP	by December 31	Annual reporting.
·	SCMPr: 2009-2012	NYCDEP Contract	Monitoring performed, reports submitted to DEP	Monitoring and reports submitted to NYCDEP annally by December 31	Monitoring documented. Annual reporting.
Develop monitoring protocol for Stream Intervention and SAP projects, to include reporting to NYCDEP		NYCDEP Contract	Protocol update process in progress and completed	Draft protocol submitted to NYCDEP by December 2009	Document stages of protocol development
USDA EWP flood mitigation sites	SCMPr: 2009-2012	NYCDEP Contract, NRCS	Monitoring performed	N/A	Monitoring documented. Annual reporting.

Task VI. Streamside Assistance Program
The Streamside Assistance Program (SAP) is a requirement of the 2007 FAD and is also a WBDR SCMP recommendation (See Task I-D, recommendation #6). The program is required to be

Implementation			Evaluation		
			What evidence indicates		How and when will evidence
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered
					Document progress.
			Job description completed.		Employee hired. Annual
Hire employee	SCMPr, NYCDEP - mid 2008	NYCDEP Contract	Position advertised.		reporting.
					Orientation completed. Annual
Employee orientation	SCMPr, NYCDEP - fall 2008	NYCDEP Contract	Orientation completed		reporting.
				Meetings held with working	
				group partners. Develop	
Develop program in				administration plan. Assist	
collaboration with WOH SAP			Start-up meetings attended.	with riparian vegetation	Document progress. Annual
& RBWG partners	SCMPr, NYCDEP - fall 2008	NYCDEP Contract	Program protocols developed.	characterization.	reporting.
			Recruit landowners. Individual		
			landowner SMPs developed &		Document recruitment
			implemented. Technical		progress, landowner SMPs,
			assistance provided for	25 individual landowner SMPs	technical assistance &
Work with streamside			implementation, monitoring and		monitoring & maintainnance.
landowners	SCMPr, NYCDEP - 2009	NYCDEP Contract	maintainnance.	2012.	Semi-annual reporting.
				Establish and coordinate E/O	
				PAC sub-committee. Work	
				with partners on marketing	
Participate in education and				strategy. Develop and	Documentation of workshops.
outreach efforts	SCMPr, NYCDEP - ongoing	NYCDEP Contract	Workshops scheduled	distribute E/O materials.	Semi-annual reporting.
				Establish monitoring protocols	
			1	and continue to revise	Documentation of activties.
Participate in SAP evaluation	SCMPr, NYCDEP - ongoing	NYCDEP Contract	Activities scheduled	participation guidelines.	Semi-annual reporting.

Task VII. Flood Response and Other Unexpected Events

Some events, either natural or manmade, are beyond the control of the contracting parties. This may include flood emergencies, or a regulatory body my require the time or other input of the DCSWCD that benefits program goals, but is unplanned. DCSWCD may be called upon to assist partnering counties within the West of Hudson watershed. Planned activities will include enhancing coordination with partnering county agencies.

Implementation			Evaluation		
			What evidence indicates		How and when will evidence
What needs to be done	By whom and when	What resources	progress	Action Items	be gathered
	SCMPr, NYCDEP, DCPD,				Daniel de la contraction de la
•	DCDPW, DC Emergency	NN/0050 0 1 1 1			Documentation of activities.
Delaware County EOC	Services- ongoing	NYCDEP Contract, others	Activities performed	3 meetings held by 2012	Annual reporting.
implement county All Hazards	SCMPr, NYCDEP, DCPD, DCDPW, DC Emergency Services, SEMO, FEMA -	NIVODED October allows	Aut Was and sould	3 meetings with AHMP	Documentation of activities.
Mitigation Plan	ongoing	NYCDEP Contract, others	Activities performed	partners held by 2012	Annual reporting.
Evaluate a flood event	SCMPr, NYCDEP - as needed	NYCDEP Contract, others	Evaluation completed. Response/recovery protocols developed. Actions taken.		Documentation of activities. Annual reporting.
Evaluate regulatory request	SCMPr, NYCDEP - as needed	NYCDEP Contract, others	Evaluation completed. Protocols developed. Actions taken.		Documentation of activities. Annual reporting.
Evaluate other unexpected events	SCMPr, NYCDEP - as needed	NYCDEP Contract, others	Evaluation completed. Protocols developed. Actions taken.		Documentation of activities. Annual reporting.
Technical assistance to community flood response and recovery	SCMPr, NYCDEP, DCPD - as needed	NYCDEP Contract, others	Evaluations performed. Protocols developed. Actions taken	Communities helped after flood event as needed	Documentation of activities. Annual reporting.
Continue to develop emergency flood-work database	SCMPr, NYCDEP, DCPD, NYSDEC - ongoing	NYCDEP Contract, others	Database updates.	Database updated in a timely manner post flood	Documentation of activities. Annual reporting.