

Other Plans Cross Referenced																							
Storm Water Mgmt Program Plan	NYSDEC Grant "MS4 Mapping Project" Workplan		2016				2017				2018				2019				2020				
			Jan-Mar	April/June	July/Sept	Oct/Dec	Adopted Coalition Workplan				Jan-Mar	April/June	July/Sept	Oct/Dec	Jan-Mar	April/June	July/Sept	Oct/Dec	Jan-Mar	April/June	July/Sept	Oct/Dec	
SWMPv4 (5/6/2016)	WQIP Contract #C00081GG																						
MCM	BMP	Objectives	Stormwater Related Deadlines (Existing/Known)																				
			A. MS4 Permit																				
			1. GP-0-10-15 (End: 4/30/2017)																				
			2. Renewed MS4 Permit (Start: 5/1/2017)																				
			B. Coalition IMA																				
			1. IMA 2015 to 2017 (End: 12/31/2017)																				
			2. IMA (Start: 1/1/2018 to ?)																				
			C. NYSDEC WQIP Mapping Grant																				
			1. Contract #C00081GG (Start: 5/1/2015; End: 4/30/2020)																				
			I. Coalition Management & Operations (Dues \$)																				
A. Coalition Meetings High Priority																							
MCM 7	BMP 7-1		1. Working Group Meetings																				
MCM 7	BMP 7-1		a. Prep, Execute (Updates, Coordination, Decisions)																				
MCM 7	BMP 7-1		2. Board Meetings																				
MCM 7	BMP 7-1		a. Prep, minutes, follow-up																				
MCM 7	BMP 7-1		3. Staff Meetings																				
MCM 7	BMP 7-1		a. Wkly coordination, set priorities																				
B. Coalition Finances High Priority																							
MCM 7	BMP 7-1		1. County/Coalition Budget																				
MCM 7	BMP 7-1		a. Coalition Budg; Cnty Exec M & B; Leg Approval, A-F Comm																				
MCM 7	BMP 7-1		b. Budg Leg Actions-Doc Prep, Committee Mtgs (As needed)																				
MCM 7	BMP 7-1		2. Revenue																				
MCM 7	BMP 7-1		a. Member Statement of Intent; Dues Invoices																				
MCM 7	BMP 7-1		b. Grants (grant writing) (If available; if supports permit compliance)																				
MCM 7	BMP 7-1		3. Expenditures																				
MCM 7	BMP 7-1		a. Routine-\$ Available?; Reqs; Invoices; Troubleshoot'g																				
MCM 7	BMP 7-1		b. Unusual Purchases-Research. Value, Cost (As needed)																				
MCM 7	BMP 7-1		c. Contracts: Doc; RFP; Contract Rev Bd; Sign (see IV. Grant)																				
MCM 7	BMP 7-1		d. Encumbering Funds: Comptroller Forms																				
MCM 7	BMP 7-1		3. Reserve																				
MCM 7	BMP 7-1		a. Interpret, monitor, explain, change?																				
C. Staffing Medium Priority																							
MCM 7	BMP 7-1		1. Supervise/Train: Temp Help; Interns; Others																				
MCM 7	BMP 7-1		2. Hire: 1 PT Temp Help																				
MCM 7	BMP 7-1		a. Civil Service Job Spec (Adm Asst; Educator)																				
MCM 7	BMP 7-1		b. Recruitment/Affirmative Action																				
MCM 7	BMP 7-1		c. Recruitment/General																				
MCM 7	BMP 7-1		d. Payroll Set Up																				
MCM 7	BMP 7-1		3. Wkstations: Set Up (For PT Temp Help)																				
MCM 7	BMP 7-1		a. Purchase & set up computer workstation																				
MCM 7	BMP 7-1		b. Purchase & load software (mapping/other)																				
D. Intermunicipal Agreement High Priority																							
MCM 7	BMP 7-3		1. Update; Individual MS4s execute: Interested MS4s?																				

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			II. All Mbrs Coalition Progm Implementation (Dues \$)																				
A. High Priority High																							
MCM 2	BMP 2-2		1. Joint Annual Report (Sessions; Compilation; Posting)																				
MCM 7	BMP 7-4		2. Joint SWMP Update (Sessions; Compilation; Posting) ?																				
MCM 7	BMP 7-8		3. MS4 Permit Audit Support (EPA, DEC) (As needed)																				
MCM 1	BMP 1-3		4. Coalition Website (Maintenance, Text)																				
MCM 3	BMP 3-2	Objective 3	5. Coalition Web Mapper (Redesign & Maintenance)																				
MCM 3	BMP 3-4	Multiple Objectives	6. System/Program Mapping/Forms (see IV. Grant)																				
MCM 5, 8	BMP 8-1		7. Training: Plan'g Bd; Electeds (Various Topics)																				
B. Medium Priority Medium																							
MCM 1	BMP 1-4		1. Coalition Publications (Distribution, Print, Create)																				
MCM 1, 8	BMP 1-14		2. Public Programs (Host CWP Webcasts/Other)																				
MCM 2	BMP 2-11		3. Volunteer Stream Monitoring (4 WAVE Sites)																				
MCM 3	BMP 3-5		4. ORI Kit Maintenance (Restock; Coordinate w/ACSD)																				
MCM 7	BMP 7-3		5. SPDES Permits Input (MS4, Construction)																				
C. Low Priority Low																							
MCM 4, 5	BMP 4-8, 5-12		1. Develop Standardized Paper Forms (ConstrActivity Ovrsght) (As needed)																				
MCM 3	BMP 3-9		2. Develop Standardized Paper Forms (IDDE, Muni Facilities) (As needed)																				
MCM 6, 8	BMP 8-5		3. Training: Videos (Purchase, Circulate)																				
III. Ind MS4 Program Implementation (Points \$)																							
1. City Alb? (If yes, to do what?) High Priority																							
2. V/Menands? (If yes, to do what?) High Priority																							
3. C/Wvliet? (If yes, to do what?) High Priority																							
4. Albany County? (If yes, to do what?) High Priority																							
5. T/New Scotland? (If yes, to do what?) High Priority																							
6. Other MS4s?																							
IV. MS4 Map'g NYSDEC Conctrct #C00081GG (Grant \$)																							
A. Project Management High Priority																							
MCM 7	BMP 7-1	Objective 1	1. Wkly Staff Mtgs (Grant items)																				
MCM 7	BMP 7-1	Objective 1	2. Monthly Working Group Mtgs (Grant items)																				
MCM 7	BMP 7-1	Objective 1	3. Board Meetings (Hiring, Contracts; Other grant items)																				
MCM 7	BMP 7-1	Objective 1	4. Submit/Finalize Grant Contract & \$ Grant Budget'g																				
MCM 7	BMP 7-1	Objective 1	a. Grant workplan/budget																				
MCM 7	BMP 7-1	Objective 1	b. Grant lead applicanat certification; Insurance docs																				
MCM 7	BMP 7-1	Objective 1	b. Fully Executed Contract																				
MCM 7	BMP 7-1	Objective 1	c. County/Coaliton Grant Budget amendment - Initial																				
MCM 7	BMP 7-1	Objective 1	d. County/Coaliton Grant Budget - ongoing																				

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			5. Hire/train 2 FT SW Prog Tech Assistants																				
			a. Civil Service Job Specs																				
			b. Recruitment/Affirmative Action/MWBE -EEO																				
			c. Recruitment/General																				
			d. Payroll Set Up																				
			e. Train SW Program Tech Assistants (all mapping tasks; ongoing)																				
			6. Secure/manage consultant svces-MWBE requirements																				
			a. County-wide impervious surface/bldg footprints																				
			b. GIS linked field inspection forms																				
			c. City of Albany Digitization-Krumkill/Patrol Map Records																				
			d. GIS/GPS Tech Support-Variable																				
7. U Albany-Ofce of Sust Sub Contract - Student Interns																							
a. Ofce of Sust/County-Coalition Contract (Tasks/Student \$)																							
b. Recruit Professors/Students																							
c. Monitor Proj #1 County DOH Digitization Septic/Well Data																							
d. Monitor Proj #2 Green Inf Assets/Degree of Protection																							
e. Monitor Proj #3 Digitize SWPPP Soil Boring Data																							
f. Monitor Proj #4 Historic Maps Erie Canal Digitization																							
8. Grant Qtrly & Final Report (For NYSDEC)																							
9. Grant Qtrly & Final Report -MWBE (For NYSDEC)																							
10. State Aid Vouchers (NYSDEC reimbursement)																							
11. Adhoc inter-MS4 special interest mtgs																							
a. Design/critique content/functionality of inspection forms																							
b. Troubleshoot field map'g issues (owner? flow direction?)																							
12. Create/Use Master Map'g Schedule(Field-PostP-Cor)																							
a. Create																							
b. Update																							
13. Purchasing - various items																							
a. Computer workstations (computer, software)																							
b. Mapping equipment (GPS unit) & tablets/internet access																							
c. Clothing & mileage reimbursment-Coalition staff																							
B. Map Outfalls High Priority																							
1. Reconcile & correct existing outfall maps; prep status reports																							
2. Update Coalition data model outfall/ORI; prep data dictionary																							
3. Map new outfalls, field/office correct various outfalls																							
a. Albany County																							
b. City of Albany																							
c. Town of Bethlehem (provide?)																							
d. City of Cohoes																							

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			C. NYSDEC WQIP Mapping Grant																				
			1. Contract #C00081GG (Start: 5/1/2015; End: 4/30/2020)																				
			e. Town of Colonie (provide?)																				
			f. Village of Colonie																				
			g. Village of Green Island																				
			h. Town of Guilderland																				
			i. Village of Menands																				
			j. Town of New Scotland																				
k. City of Watervliet																							
l. U Albany-SUNY (provide?)																							
4 Post on Coalition mapper																							
C. Map Storm System Infrastructure High Priority																							
1. ID MS4s areas for mapping																							
2. Update Coalition GIS data model (system/program)																							
3. Schedule map'g; review Master schedule-priority sewers'ds																							
4. Prepare/execute field map/office wk (SWC /MS4 staff)																							
a. Albany County (points-Ann Lee/Krumkill/Patroom/Other)																							
b. City of Albany (provide Krumkill/Patroom-digitization, evol'g GIS Dept)																							
c. Town of Bethlehem (provide Krumkill map layers-active GIS Dept)																							
d. City of Cohoes (MS4 -wide)																							
e. Town of Colonie (provide Ann Lee/Patroom/Other-active GIS Dept)																							
f. Village of Colonie (Ann Lee/Patroom/Lisha)																							
g. Village of Green Island (minor updates)																							
h. Town of Guilderland (Krumkill/Patroom/MS4 wide)																							
i. Village of Menands (MS4 wide, not Krommakill)																							
j. Town of New Scotland (minor updates)																							
k. City of Watervliet (MS4-wide, not Dry or Salt River)																							
l. U Albany-SUNY (discuss)																							
5. Prepare/display/distribute data (to MS4s; Coalition mapper)																							

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			C. NYSDEC WQIP Mapping Grant																					
			1. Contract #C00081GG (Start: 5/1/2015; End: 4/30/2020)																					
			D. Map Storm Sewersheds High Priority																					
			1. Assemble/analyze storm system data sets																					
			a. MS4s w/infrastructure in Shaker: Ann Lee watershed																					
			b. MS4s w/infrastructure in Krumkill watershed																					
			c. MS4s w/infrastructure in Patroon Creek watershed																					
			2. Identify areas to map/field check-use Master schedule																					
3. Prepare/execute field map/office work (SWC/MS4 staff)																								
a. Albany County (Ann Lee/Krumkill/Patroon)																								
b. City of Albany (Krumkill/Patroon)																								
c. Town of Bethlehem (Krumkill)																								
e. Town of Colonie (Patroon/Ann Lee)																								
f. Village of Colonie (Patroon/Ann Lee)																								
h. Town of Guilderland (Krumkill/Patroon)																								
i. U Albany-SUNY (discuss)																								
4. Prepare data for sewershed delineation, possibly for consultants																								
5. Delineate storm sewershed, post on Coalition mapper																								
E. Map Post Construction SW Practices High Priority																								
1. MS4s provide Coalition staff w/PC SWP inventory																								
2. Make preliminary map of practices, use location info																								
3. Identify/confirm with MS4s practices to field check/map																								
4. Update Coalition GIS data model (system/program)																								
5. Schedule map'g; review Master schedule																								
6. Prepare/execute field map/office wk (SWC /MS4 staff)																								
a. Albany County																								
b. City of Albany (Discuss, needed, posting?)																								
c. Town of Bethlehem (Discuss, needed, posting?)																								
d. City of Cohoes																								
e. Town of Colonie (Discuss, needed, posting?)																								
f. Village of Colonie																								
g. Village of Green Island																								
h. Town of Guilderland																								
i. Village of Menands																								
j. Town of New Scotland																								
k. City of Watervliet																								
l. U Albany-SUNY (Discuss)																								
7. Prepare/display/distribute sw prct data (to MS4s; Coal mapper)																								

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			C. NYSDEC WQIP Mapping Grant																				
			1. Contract #C00081GG (Start: 5/1/2015; End: 4/30/2020)																				
			F. Map Municipal Owned Facilities High Priority																				
MCM 6	BMP 6-1	Objective 6	1. MS4s provide Coalition staff with municipal facility inventory																				
MCM 6	BMP 6-1	Objective 6	2. Make preliminary map of facilities; use location info																				
MCM 6	BMP 6-1	Objective 6	3. Identify/confirm with MS4s muni facilities to field ck/map																				
MCM 6	BMP 6-1	Objective 6	4. Update Coalition GIS data model (system/program)																				
MCM 6	BMP 6-1	Objective 6	5. Schedule map'g; review Master schedule-prioritize																				
MCM 6	BMP 6-1	Objective 6	6. Prepare/execute field map/office wk (SWC /MS4 staff)																				
MCM 6	BMP 6-1	Objective 6	a. Albany County																				
MCM 6	BMP 6-1	Objective 6	b. City of Albany (Discuss, needed, posting?)																				
MCM 6	BMP 6-1	Objective 6	c. Town of Bethlehem (Discuss, needed, posting?)																				
MCM 6	BMP 6-1	Objective 6	d. City of Cohoes																				
MCM 6	BMP 6-1	Objective 6	e. Town of Colonie (Discuss, needed, posting?)																				
MCM 6	BMP 6-1	Objective 6	f. Village of Colonie																				
MCM 6	BMP 6-1	Objective 6	g. Village of Green Island																				
MCM 6	BMP 6-1	Objective 6	h. Town of Guilderland																				
MCM 6	BMP 6-1	Objective 6	i. Village of Menands																				
MCM 6	BMP 6-1	Objective 6	j. Town of New Scotland																				
MCM 6	BMP 6-1	Objective 6	k. City of Watervliet																				
MCM 6	BMP 6-1	Objective 6	l. U Albany-SUNY (Discuss)																				
MCM 6	BMP 6-1	Objective 6	7. Prepare/display/distribute muni fac data (to MS4s; Coal mapper)																				
			G. Convert Paper Forms -Tablets/GIS High Priority CONSULTANTS																				
MCM 7	BMP 7-9	Objective 7	1. Inter-MS4 Committee help develop paper forms for tablets																				
MCM 7	BMP 7-9	Objective 7	2. Coalition staff develop scope of svces for consultant																				
MCM 7	BMP 7-9	Objective 7	3. Consultant develops forms using GIS platform(s)																				
MCM 7	BMP 7-9	Objective 7	a. For Coalition mapper - design prepared for Forms interface																				
MCM 7	BMP 7-9	Objective 7	b. For Individual MS4s w/GIS capacity-extract data to own GIS																				
MCM 7	BMP 7-9	Objective 7	4. Forms launched; MS4s trained in using tablets																				
			H. Map/Characterize Pollutants of Concern Medium Priority																				
MCM 1	BMP 1-1	Objective 8	1. Obtain/use tax parcel data set to sort by property classification																				
MCM 1	BMP 1-1	Objective 8	2. Assign likely pollutants of concern to land use types																				
MCM 1	BMP 1-1	Objective 8	3. Organize POC/land use descriptions by MS4 by sub-watershed																				
MCM 1	BMP 1-1	Objective 8	4. Distribute POC-land use analysis; post on Coalition mapper																				
MCM 1	BMP 1-1	Objective 8	5. Purchase/use WinSLAMM modeling software																				
MCM 1	BMP 1-1	Objective 8	a. Analyze small catchment area for pollutant loading by land use																				
MCM 1	BMP 1-1	Objective 8	b. Share/distribute analysis to MS4s; post on Coalition mapper (?)																				

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			I. Map/characterize age of properties-SHPA High Priority																					
MCM 4, 5	BMP 4-2, 5-5	Objective 11	1. Obtain/use tax parcel data set to sort by age of structure																					
MCM 4, 5	BMP 4-2, 5-5	Objective 11	2. Obtain State Historic preservation data for Albany County																					
MCM 4, 5	BMP 4-2, 5-5	Objective 11	3. Create historic resources map - combine data (ORPS age/SHPA)																					
MCM 4, 5	BMP 4-2, 5-5	Objective 11	4. Distribute data and/or post on Coalition mapper																					
J. Update maps/improve display SWPPP/CWA High Priority																								
MCM 4, 5	BMP 4-2, 5-5	Objective 12	1. Obtain data (depth to gw; depth to bedrock; karst; low infiltr. soils)																					
MCM 4, 5	BMP 4-2, 5-5	Objective 12	2. Update WIPWL, NHD, DEC Wetlands for Albany County																					
MCM 4, 5	BMP 4-2, 5-5	Objective 12	3. Post on Coalition mapper-reorg table of contents																					
K. Map Areas of Water Quality Concern-DOH (Proj 1) Medium Priority U ALBANY																								
MCM 1, 3	BMP 1-1; 3-5	Objective 9	1. Student interns locate/analyze County Healty Dept data																					
MCM 1, 3	BMP 1-1; 3-5	Objective 9	a. Develop protocol for digitizing data																					
MCM 1, 3	BMP 1-1; 3-5	Objective 9	b. Digitize & analyze data																					
MCM 1, 3	BMP 1-1; 3-5	Objective 9	c. Write FINAL Report, organize/describe data																					
MCM 1, 3	BMP 1-1; 3-5	Objective 9	d. Prepare maps/prepare data for distribution																					
MCM 1, 3	BMP 1-1; 3-5	Objective 9	2. Post on Coalition mapper-if appropriate																					
K. Map/describe green infrastructure assets (Proj 2) Medium Priority U ALBANY																								
MCM 5	BMP 5-3	Objective 10	1. Student interns describe quality of green infrastructure assets																					
MCM 5	BMP 5-3	Objective 10	a. Analyze imagery (id green infrastructure assets)																					
MCM 5	BMP 5-3	Objective 10	b. Research ways land disturbance restricted disturbance																					
MCM 5	BMP 5-3	Objective 10	c. Develop method to describe protection approaches																					
MCM 5	BMP 5-3	Objective 10	d. Assign status to gi assets-describe degree of protection																					
MCM 5	BMP 5-3	Objective 10	e. Create map gi assets w/protection status-all property types																					
MCM 5	BMP 5-3	Objective 10	f. Create map of gi assets w/protection status-mun owned																					
MCM 5	BMP 5-3	Objective 10	g. Write FINAL Report, organize/describe data																					
MCM 5	BMP 5-3	Objective 10	h. Prepare maps/prepare data for distribution																					
MCM 5	BMP 5-3	Objective 10	2. Post on Coalition mapper-if appropriate																					
M. Map Soil Boring Data from SWPPPs (Proj 3) Medium Priority U ALBANY																								
MCM 5	BMP 5-5	Objective 13	1. Student interns obtain SWPPPs from MS4s																					
MCM 5	BMP 5-5	Objective 13	a. Research soil boring and data reports																					
MCM 5	BMP 5-5	Objective 13	b. Develop protocol for digitizing soil boring data																					
MCM 5	BMP 5-5	Objective 13	c. Digitize & analyze data																					
MCM 5	BMP 5-5	Objective 13	d. Write FINAL Report, organize/describe data																					
MCM 5	BMP 5-5	Objective 13	e. Prepare maps/prepare data for distribution																					
MCM 5	BMP 5-5	Objective 13	2. Post on Coalition mapper-if appropriate																					

Other Plans Cross Referenced																							
Storm Water Mgmt Program Plan	NYSDEC Grant "MS4 Mapping Project" Workplan		2016				2017				2018				2019				2020				
			Jan-Mar	April/June	July/Sept	Oct/Dec	Adopted Coalition Workplan				Jan-Mar	April/June	July/Sept	Oct/Dec	Jan-Mar	April/June	July/Sept	Oct/Dec	Jan-Mar	April/June	July/Sept	Oct/Dec	
SWMPv4 (5/6/2016)	WQIP Contract #C00081GG																						
MCM	BMP	Objectives	Stormwater Related Deadlines (Existing/Known)																				
			A. MS4 Permit																				
			1. GP-0-10-15 (End: 4/30/2017)																				
			2. Renewed MS4 Permit (Start: 5/1/2017)																				
			B. Coalition IMA																				
			1. IMA 2015 to 2017 (End: 12/31/2017)																				
			2. IMA (Start: 1/1/2018 to ?)																				
			C. NYSDEC WQIP Mapping Grant																				
			1. Contract #C00081GG (Start: 5/1/2015; End: 4/30/2020)																				
			N. Research/create digital map of Erie Canal (Proj 4) Medium Priority U ALBANY																				
			1. Student interns obtain old maps of Erie Canal-MS4s/Others																				
			a. Research status of paper maps, electronic maps/data																				
			b. If not digitized georeference w/help (historians)																				
			c. Ground truth, consult w/DPW and historians																				
			d. Show/map existing location of Canal over time																				
e. Write FINAL Report, organize/describe data																							
f. Prepare maps/prepare data for distribution																							
2. Post on Coalition mapper-if appropriate																							
O. Map Combined Sanitary/Storm Infrastructure High Priority																							
1. Identify CSO areas for mapping																							
2. Update Coalition GIS data model (system/program)																							
3. Schedule map'g; review Master schedule-prioritize																							
4. Prepare/execute field map/office wk (SWC /MS4 staff)																							
a. City of Cohoes																							
b. City of Watervliet																							
5. Prepare/display/distribute data (Ind MS4s, Coalition mapper)																							
P. Map Impervious Area/Footprints-Albany Cnty High Priority CONSULTANTS																							
1. Review w/MS4s purpose of impervious data; ID deliverables																							
2. With MS4s, prepare, receive input Scope of Services for RFP																							
3. Secure consultant svces to create map																							
4. Distribute digital files to interested MS4s, post on mapper																							