

Appendix D

Implementation Strategy & Project Matrix

Table 1, the Implementation Strategy and Project Matrix lists recommended actions while also identifying relevant goal(s), action category, priority subwatersheds, partners, time frame of implementation, and approximate estimated cost of the project. Each action aligns with an implementation goal(s). Intended goals include:

1. Control agricultural and forestry nonpoint sources
2. Reduce nonpoint source pollution from residential property and community landscapes
3. Address invasive species issues
4. Reduce nonpoint source pollution from municipal activities
5. Provide for ongoing collaboration, implementation, and planning
6. Adopt or amend local regulations designed to reduce pollution and increase resiliency
7. Develop an appreciation for watershed services and implement educational campaigns
8. Increase resiliency to flooding, climate change, and changes in land use
9. Enhance community and habitat revitalization

Recommended actions are organized by action category (i.e., agricultural management, floodplain & stormwater management, etc.).

Table 1
Implementation Strategy and Project Matrix

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
1	Agricultural Management	Implement ag BMPs to reduce the loss of soil, nutrients, fertilizers, animal wastes, crop residues, and pesticides from the landscape	0415030101 0415030102 0415030103 0415030207 0415030208 0415030209 0415030210 0415030303 0415030304 0415030305 0415030403 0415030404 0415030405 0415030507 0415030603 0415030702 0415030703 0415030801 0415030802 0415030803 0415030804 0415030805	SWCD, NYSDAM, USDA-NRCS, NYSDEC, Farmers	X			\$\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
1	Agricultural Management	Provide Adequate Manure Storage and Management	0415030101 0415030102 0415030208 0415030209 0415030210 0415030303 0415030305 0415030404 0415030507 0415030702 0415030703 0415030802 0415030805	SWCD, NYSDAM, USDA-NRCS, NYSDEC, Farmers	X			\$\$\$\$\$
1	Agricultural Management	Promote Pasture Management	0415030101 0415030102 0415030208 0415030209 0415030210 0415030303 0415030305 0415030404 0415030507 0415030702 0415030703 0415030802 0415030805	SWCD, NYSDAM, USDA-NRCS, NYSDEC, CCE, Farmers	X			\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
1, 5	Agricultural Management	Develop and Implement AEM Tier III Management Plans	0415030101 0415030102 0415030103 0415030207 0415030208 0415030209 0415030210 0415030303 0415030304 0415030305 0415030403 0415030404 0415030405 0415030507 0415030603 0415030702 0415030703 0415030802 0415030803 0415030804 0415030805	SWCD, NYSDAM, USDA-NRCS, Farmers		X		\$\$\$\$
1, 5	Agricultural Management	Increase engagement with AEM	041503	SWCD, NYDAM, USDA-NRCS. NYSDEC, CCE, Farmers	X			\$
5	Agricultural Management	Inventory Current Agricultural Practices and Improve GIS Data	041503	SWCD, NYDAM, USDA-NRCS. NYSDEC, DANC, Farmers			X	\$\$\$
1, 7	Agricultural Management	Built rapport amongst agricultural community and the public	041503	SWCD, CCE, Farmers, NYSDEC, County Planning	X			\$\$
1, 5	Agricultural Management	Purchase equipment to implement erosion and sediment control measures on agricultural lands and existing highway ditch maintenance program, including: compost blowers to amend soils and stabilize critical areas; specialized seeders for cover crop applications including independent Highboy seeders or high horsepower tractors for tow behind models; straw mulcher; and hydroseeder.	041503	SWCD, Farmers, Municipalities, County Planning		X		\$\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
5	Agricultural Management	Seek additional support for agricultural services	041503	SWCD, CCE, USDA-NRCS, County Planning, NYSDEC, Farmers	X			\$
5	Agricultural Management	Support SWCDs and Planners in obtaining certification to develop Comprehensive Nutrient Management Plans (CNMPs)	041503	SWCD, NYSDAM, USDA-NRCS, USEPA, CCE, Municipalities	X			\$\$
2	Floodplain & Stormwater Management	Complete a watershed-wide streambank assessment to identify and rank areas of erosion for remediation	041503		X			
2	Floodplain & Stormwater Management	Complete streambank assessments and restoration	0415030101 0415030102 0415030103 0415030207 0415030208 0415030209 0415030210 0415030303 0415030403 0415030404 0415030405 0415030501 0415030502 0415030503 0415030506 0415030507 0415030701 0415030703 0415030801	SWCD, NYSDEC, Trout Unlimited, Nonprofits	X			\$\$\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
2, 10	Floodplain & Stormwater Management	Wetland restoration, rehabilitation, enhancement and creation	0415030101 0415030102 0415030103 0415030208 0415030209 0415030210 0415030304 0415030405 0415030505 0415030506 0415030507	SWCD, NYSDEC, USEPA, USDA-NRCS, TILT, IRLC		X		\$\$\$\$
2, 8	Floodplain & Stormwater Management	Implement stormwater BMPs and green infrastructure	0415030101 0415030102 0415030103 0415030208 0415030209 0415030210 0415030304 0415030405 0415030505 0415030506 0415030507	NYSDEC, SWCD, Municipalities, WWTPs, County Planning		X		\$\$\$\$
5, 7	Floodplain & Stormwater Management	Commence an educational program on stormwater and floodplain protection	041503	SLRWP, SWCD, NYSDEC, NYSDOS, DANC, County Planning		X		\$
2, 8	Floodplain & Stormwater Management	Implement a formal drainage maintenance program	0415030101 0415030102 0415030103 0415030208 0415030209 0415030210 0415030304 0415030405 0415030505 0415030506 0415030507	SWCD, County Highway Departments, NYSDOT, County Planning, DANC, Nonprofits		X		\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
2, 8	Floodplain & Stormwater Management	Complete mapping of flood-prone areas	041503	FEMA, County Planning, DANC, NCREDC, SWCD, County Highway Departments, NYSDOT	X			\$\$\$\$
2	Floodplain & Stormwater Management	Expand participation in the NYSDEC Trees for Tribes Program	041503	NYSDEC, SLRWP, SWCD, Municipalities, Land Trusts, Nonprofits		X		\$
2, 9	Floodplain & Stormwater Management	Conserve wetlands of international importance. Binational RAMSAR Wetland Site (Quebec, Snyc, Dundee, and Fort Covington).	0415030103	SRMT Environment			X	\$\$\$\$
2	Floodplain & Stormwater Management	Restore and re-stabilize Salmon River streambank extending from the Main Street Bridge to the Macomb Dam.	0415030703	SWCDs, Municipalities, NYSDEC		X		\$\$\$\$
2	Floodplain & Stormwater Management	Install a catch basin at the junction of Rt 28 and 30 to protect water quality in Blue Mountain Lake	0415030501	NYSDOT, Municipal DOT, Planning Departments, SWCDs, NYSDEC	X			\$
2, 8	Floodplain & Stormwater Management	Implement stormwater control practices at Town Hall of Long Lake	0415030503	Town of Long Lake, Hamilton County SWCD, Hamilton County DPW		X		\$\$\$
2, 6, 8	Floodplain & Stormwater Management	Reserve open space and floodplain property through property acquisition	041503	Municipalities, County Planning, TNC, Land Trusts, Nonprofits			X	\$\$\$
6, 8	Floodplain & Stormwater Management	Adopt local measures to limit activity on floodplains	041503	County Planning, DANC, Municipalities, APA	X			\$
6, 8	Floodplain & Stormwater Management	Incorporate shorelines in the definitions section of municipal zoning ordinances	041503	County Planning, DANC, Municipalities, NYSDOS, APA	X			\$
5, 8	Floodplain & Stormwater Management	Conduct a Salmon River flooding Feasibility Study in the area around the Malone Sewage Treatment Plant (see Malone LWRP, 2012)	04150307	Local Municipalities, SWCD, NYSDEC		X		\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
2, 5	Floodplain & Stormwater Management	Update floodplain and stormwater regulations to incorporate watercourse setbacks, require buffer strips along sensitive areas, and limit development on steep slopes	0415030101 0415030102 0415030103 0415030208 0415030209 0415030210 0415030304 0415030405 0415030501 0415030503 0415030504 0415030505 0415030506 0415030507	County Planning, DANC, Municipalities, Agricultural Protection Boards, APA	X			\$
2, 6, 8	Floodplain & Stormwater Management	Create and adopt stormwater pollution prevention plans (SPPP) in developed areas	041503	NYSDEC, County Planning, Municipalities, DANC			X	\$\$\$\$
1, 2, 4	Forest Management	Utilize erosion and sediment control mechanisms	041503	NYSDEC, SWCD, CCE, APA, timber harvesters	X			\$\$\$\$
1, 2, 7	Forest Management	Promote sustainable forestry practices and management	041503	NYSDEC, SWCD, CCE, APA, timber harvesters	X			\$
1, 2, 3, 7	Forest Management	Implement urban forest management plans	041503	County Planning, SWCDs, NYSDEC, SRMT, USFS, USDA, CCE, SLELO PRISM	X			\$\$
6	Forest Management	Adopt appropriate zoning	041503	APA, NYSDOS, County Planning, DANC, NCREDC, Municipalities		X		\$\$
1, 2, 6	Forest Management	Require buffer strips along sensitive areas	041503	County Planning, DANC, Municipalities, NYSDOS, APA		X		\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
3, 5	Invasive Species Management	Install and support watershed steward programs and informational kiosks or signage at public boat launches, marinas, and water access points	0415030101 0415030102 0415030103 0415030208 0415030209 0415030301 0415030304 0415030305 0415030501 0415030503 0415030504 0415030506 0415030507 0415030601 0415030603 0415030604 0415030701 0415030703 0415030801	SLELO, APIPP, CCE, AWI, Save the River, IRLC, TILT, County Planning		X		\$\$\$
3, 9	Invasive Species Management	Manage established infestations	041503	SLELO, APIPP, NYSDEC, SWCDs, non-profits, lake associations, municipalities	X			\$\$\$
3, 7	Invasive Species Management	Invasive species prevention, assessment, mitigation and education	0415030501 0415030503 0415030504 0415030505 0415030506 0415030507 0415030604	APIPP, SWCDs, NYSDEC, APA, AWI, Raquette Lake Preservation Foundation, SRMT Environment, Lake Associations, Local schools	X			\$\$\$
3	Invasive Species Management	Replace/replant ash trees infected with Emerald Ash Borer (EAB) to stabilize soil and provide vegetative cover	041503	SWCDs, NYSDEC, NYSIPM, NYSOPRHP, SLELO, APIPP, NYSNHP, Planning Departments	X			\$\$
3, 5	Invasive Species Management	Advance the capabilities of iMapInvasives	041503	NYNHP, SUNY ESF, NYSDEC, SWCD, CCE, NYSIPM, NYSOPRHP		X		\$\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
3, 5, 7	Invasive Species Management	Support and expand education and monitoring to improve early detection and rapid response	041503	SLELO, APIPP, SWCD, CCE, NYSDEC, AWI, Save the River, IRLC				\$\$
3, 5	Invasive Species Management	Support watershed stewardship programs throughout the watershed	041503	SLELO, APIPP, SWCD, CCE, NYSDEC, Lake associations, municipalities	X			\$\$\$
3, 5	Invasive Species Management	Provide support for certified pesticide applicator trainings and equipment	041503	SLELO, APIPP, NYSDEC, SWCD, CCE, NYSNHP, NYSFOLA, Lake associations	X			\$\$\$
3, 5, 7	Invasive Species Management	Invasive species prevention, assessment, mitigation and education (Butterfield Lake, Millsite Lake)	0415030301 0415030304 0415030305	NYSDEC, SLELO, SWCDs, Planning Departments, Lake Associations, Indian River Lakes Conservancy, Local schools, and universities	X			\$\$
3, 5	Invasive Species Management	Provide funding assistance to invasive species impacted lakes for remediation	0415030301 0415030302 0415030303 0415030304 0415030305	NYSDEC, SLELO, SWCDs, Planning Departments, Lake Associations, Indian River Lakes Conservancy		X		\$\$\$
3, 5	Invasive Species Management	Provide funding to purchase a weed cutter/harvester to share amongst lake associations (Butterfield Lake, Millsite Lake, Mud Lake, Clear Lake, Sixberry Lake)	0415030305	Indian River Lakes Conservancy, Lake Associations, Planning Departments, SWCDs		X		\$\$\$\$
3, 5, 9	Invasive Species Management	Implement eradication plan for Eurasian milfoil in Deer River Flow and Horseshoe Pond	0415030603	SWCDs, NYSDEC	X			\$\$\$
3, 5, 9	Invasive Species Management	Develop and implement a Eurasian Milfoil Removal Plan for Mountain View and Indian Lakes	0415030701	Mountain View and Indian Lake Associations, NYSDEC, SWCDs	X			\$\$\$
3, 7	Invasive Species Management	Install a boat launch at Cold Spring Rd with signage to educate boaters on local invasive species and importance of "clean, drain, dry" to preventing invasive species migration	0415030603	SWCDs, NYSDEC	X			\$\$
3, 7	Invasive Species Management	Boat wash station at existing boat launch near the bridge to Canada	0415030507	SRMT Environment, GLRI, SLELO, NYSDEC	X			\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
3, 7	Invasive Species Management	Raquette Lake Boat Wash Station	0415030501	Hamilton County SWCD, NYSDEC, APA, AWI, Lake Associations, Raquette Lake Preservation Foundation	X			\$\$
3, 9	Invasive Species Management	Aquatic vegetation management of Raquette Lake	0415030501	Hamilton County SWCD, Raquette Lake Preservation Foundation, SUNY Cortland	X			\$\$\$
3, 9	Invasive Species Management	Aquatic vegetation management of Long Lake	0415030503	Hamilton County SWCD, Town of Long Lake, Long Lake Association	X			\$\$\$
3, 9	Invasive Species Management	Control and eradicate aquatic invasive species including Eurasian watermilfoil and curly-leaf pondweed in Chateaugay Lake and shoreline waters	0415030801	Chateaugay Lake Foundation, Local Municipalities, SWCDs, NYSDOS, NYSDEC, AWI	X			\$\$
3, 9	Invasive Species Management	Long Lake Boat Wash Station and extend the Lake Steward Program and support to Lake Eaton, South Pond, and Forked Lake	0415030501 0415030502 0415030503	Hamilton County SWCD, Paul Smith's College, AWI, NYSDEC, Long Lake Association, Town of Long Lake	X			\$\$\$
3, 7, 9	Invasive Species Management	Boat inspection and cleaning stations for all lakes with public boating access. Provide funding for boat stewards at public launches to inspect boats and educate boaters on the effects of introducing invasive species.	0415030301 0415030302 0415030303 0415030304 0415030305	NYSDEC, SLELO, SWCDs, Planning Departments, Lake Associations, Indian River Lakes Conservancy, Local schools, and universities		X		\$\$\$
3, 5	Invasive Species Management	Provide funding for post-invasive species management monitoring	041503	SLELO, APIPP, NYSDEC, SWCD, CCE, NYSNHP, NYSFOLA, Lake associations		X		\$\$\$
3, 5	Invasive Species Management	Support research and use of emerging technology to monitor invasive species	041503	SLELO, APIPP, NYSDEC, SWCD, CCE, NYSNHP, NYSFOLA, Lake associations, SUNY Cortland, AWI, SUNY ESF			X	\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
3, 5, 9	Invasive Species Management	Support efforts to mitigate established aquatic invasive species through expanded local and state funding	041503	NYS, SLELO, APIPP, NYSDEC, SWCD, NYSNHP, NYSFOLA, Lake associations		X		\$\$\$\$\$
4	Infrastructure and Development	Implement road deicing BMPs	0415030101 0415030102 0415030103 0415030208 0415030210 0415030302 0415030303 0415030403 0415030404 0415030405 0415030504 0415030507 0415030602 0415030603 0415030604 0415030703 0415030801	NYSDOT, County Highway Departments, Local Public Works Departments, Municipalities	X			\$
4	Infrastructure and Development	Evaluate condition and runoff potential of all salt storage facilities needed for municipalities	041503	NYSDOT, County Highway Departments, Local Public Works Departments, Municipalities	X			\$
4	Infrastructure and Development	Identify areas most at risk of adverse impacts from road salt	041503	NYSDOT, NYSDEC, APA, County Highway Departments, Local Public Works Departments		X		\$\$\$
4, 6	Infrastructure and Development	Invest in improved technology and equipment for winter road maintenance	041503	NYSDOT, County Highway Departments, Local Public Works Departments, Municipalities			X	\$\$\$\$\$
4	Infrastructure and Development	Implement roadside erosion control mechanisms	041503	NYSDOT, County Highway Departments, SWCD, NYSDEC, Cornell Local Roads Program	X			\$\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
4	Infrastructure and Development	Complete roadside ditch assessments and restoration	0415030101 0415030102 0415030103 0415030207 0415030208 0415030303 0415030403 0415030405 0415030506 0415030507 0415030703 0415030801	SWCD, NYSDEC, Nonprofit organizations, municipalities	X			\$\$\$\$
8	Infrastructure and Development	Continue surveying and assessing road-stream crossings for aquatic passage and flood hazards	041503	SWCD, NYSDEC, USFWS, Trout Unlimited, NAACC		X		\$\$\$
5, 7	Infrastructure and Development	Expand training programs for local and county highway departments	041503	NYSDOT, County Highway Departments, Local Public Works Departments, SWCD, Cornell Local Roads Program, Municipalities	X			\$\$
5, 8	Infrastructure and Development	Secure funding for regional culvert replacement program	041503	NYSDOT, County Highway Departments, Local Public Works Departments, SWCD, USACE, Town and County DPW Budget Committees		X		\$\$\$\$
2, 8, 9	Infrastructure and Development	Jennings Pond dam replacement (43.97407217, -74.42425467)	0415030503	Town of Long Lake, Hamilton County SWCD, Hamilton County DPW		X		\$\$\$\$
2, 10, 11	Infrastructure and Development	Shaw Pond dam replacement (43.9693775, -74.407168)	0415030503	Town of Long Lake, Hamilton County SWCD, Hamilton County DPW		X		\$\$\$\$
8, 9	Infrastructure and Development	Lake Eaton Outlet culvert replacement (43.97889633, -74.43799267)	0415030503	Hamilton County SWCD, Hamilton County DPW	X			\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
8, 9	Infrastructure and Development	Maple culvert replacement (43.86660783, -74.43560367)	0415030501	Hamilton County SWCD, Hamilton County DPW	X			\$\$
8, 9	Infrastructure and Development	Water plant culvert replacement (43.86723233, -74.43815867)	0415030501	Hamilton County SWCD, Hamilton County DPW	X			\$\$
8, 9	Infrastructure and Development	Forked Lake Rd culvert replacement (43.90497117, -74.50037383)	0415030501	Hamilton County SWCD, Hamilton County DPW	X			\$\$
8, 9	Infrastructure and Development	North Point Rd culvert replacement (43.90213917, -74.50020033)	0415030501	Hamilton County SWCD, Hamilton County DPW	X			\$\$
8, 9	Infrastructure and Development	Sagamore 1 culvert replacement (43.79840833, -74.65000667)	0415030501	Hamilton County SWCD, Town of Long Lake, Hamilton County DPW	X			\$\$
8, 9	Infrastructure and Development	Sagamore 2 culvert replacement (43.7868264, -74.64269833)	0415030501	Hamilton County SWCD, Town of Long Lake, Hamilton County DPW	X			\$\$
9	Infrastructure and Development	Install a boat launch, fishing pier, and scenic overlook in Akwesasne north of State Route 37. Construct a recreational trail along the Raquette River with signage to explain the historical/cultural significance (trail would be where Mohawk runners historically delivered messages from one Haudenosaunee territory to another).	0415030507	SRMT, SWCDs, NYSDEC		X		\$\$\$
8, 9	Infrastructure and Development	Implement dredging at Recreational Pond in the Town and Village of Malone (10 acres)	04150307	Local Municipalities, SWCDs, NYSDEC		X		\$\$\$\$
8, 9	Infrastructure and Development	Implement dredging and sediment removal of Mountain View and Indian Lakes	0415030701	Local Municipalities, Mountain View Lake Association, SWCDs	X			\$\$\$\$\$
2, 9	Infrastructure and Development	Shoreline and river restoration at the breached weir in the Village of Massena. Plant native, culturally significant species to the Mohawk Tribe	0415030405	SRMT Environment, NYSDEC NYSDOS, Village of Massena, Town of Massena		X		\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
9	Infrastructure and Development	Implement projects documented in the Master Plan for improvement and repair of Recreational Park located on Duane Street in the Town of Malone	0415030703	Municipalities, SWCDs		X		\$\$\$\$
9	Infrastructure and Development	Continue testing and removal of dilapidated buildings in Malone (see Town and Village of Malone LWRP, 2012)	0415030703	Town and Village of Malone		X		\$\$\$\$
9	Infrastructure and Development	Construct a fishing pier and multi-use area/building at the St. Regis River Park (West) that can host activities like farmer markets, yoga, movies, craft shows, parking. In the St. Regis River Park (East), renovate decommissioned powerhouse into an art gallery with indigenous trees and plants and construct a parking area	0415030604	SRMT Environment, Economic Development, P & I		X		\$\$\$\$
9	Infrastructure and Development	Continue development and construction of a public multi-use trail across Franklin County	04150306 04150307 04150308	SWCDs, Franklin County Recreational Trails Association		X		\$\$\$\$
9	Infrastructure and Development	Construct walking trails and provide signage giving recognition to the cultural significance of the Mohawk mill and 1796 treaty, incorporate a fishing pier and bike trail	0415030405	SRMT Environment, NYSDEC, Village of Massena, Town of Massena		X		\$\$\$
9	Infrastructure and Development	Construct a waterway bike trail that connects with the Grasse River boat launch on Rte 37, extending to the Village of Massena footbridge, to Massena Center and Barnhart Island (St. Lawrence River).	0415030405	SRMT Environment, NYSDEC, Village of Massena, Town of Massena		X		\$\$\$\$
4, 5	Infrastructure and Development	Create a road salt reduction task force	041503	NYSDOT, County Highway Departments, Local Public Works Departments, APA, AWI, Cornell Local Roads Program	X			\$\$\$
4, 5	Infrastructure and Development	Implement the St. Lawrence River Watershed Roadside Erosion Assessment	041503	SWCDs	X			\$\$\$\$
4, 5	Infrastructure and Development	Support and implement annual RRAMP Projects	041503	NYS Thruway Authority, SWCDs	X			\$\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
4, 6	Infrastructure and Development	Assist municipalities with reviewing their local laws to reflect best practices to control nonpoint source pollution	041503	Municipalities, County Planning, NYSDOS, DANC, NCREDC	X			\$\$\$
6, 8	Infrastructure and Development	Support community participation in the climate smart communities' program	041503	Municipalities, County Planning, NYSERDA, NYSDEC		X		\$\$\$\$
9	Infrastructure and Development	Plan and provide low income housing within the watershed	041503	Municipalities, County Planning, NYSDOS, NCREDC		X		\$\$\$\$
9	Infrastructure and Development	Promote the preservation of high quality and unique agricultural areas by guiding non-agricultural development into other areas of the watershed	041503	Municipalities, County Planning, Agricultural Protection Boards		X		\$
4, 8	Water and Wastewater Management	Address combined sewer overflows (CSOs)	0415030101 0415030102 0415030208 0415030210 0415030405 0415030504 0415030507	Municipalities with CSOs (City of Ogdensburg, Villages of Massena, Clayton, Tupper Lake, Gouverneur, and Potsdam), City and Village WWTPs, NYSDEC, County Planning			X	\$\$\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
4, 8	Water and Wastewater Management	Improve existing municipal wastewater treatment systems	0415030101 0415030102 0415030201 0415030208 0415030209 0415030210 0415030302 0415030303 0415030304 0415030305 0415030404 0415030405 0415030504 0415030506 0415030507 0415030603 0415030604 0415030703 0415030801 0415030802	County Planning, Municipalities, Citizens, POTWs			X	\$\$\$\$
4, 8	Water and Wastewater Management	Planning, design, and construction of improvements to the Village of Clayton's collection and treatment systems	0415030101	Clayton (V) STP, Municipalities		X		\$\$\$\$
4, 8	Water and Wastewater Management	Planning, design, and construction of the Waddington WWTP collection system and wastewater treatment plant improvements	0415030102	Waddington (V) WWTP, Municipalities		X		\$\$\$\$
4, 8	Water and Wastewater Management	Design and construction of upgrades to the Alexandria Bay STP and construction of new BioMag process; general facility improvements, site bioswale, vegetated swale and tree planting, and new disinfection systems.	0415030101	Alexandria Bay WWTP, Municipalities		X		\$\$\$\$
4, 8	Water and Wastewater Management	Design and construction of wastewater treatment plant and pump station improvements to maintain water quality in the Raquette River	0415030506	Colton STP, Municipalities		X		\$\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
4, 8	Water and Wastewater Management	Design and construction of stormwater sewer improvements to protect water quality in the Raquette River	0415030507	Potsdam (V) WPCP, Municipalities		X		\$\$\$\$
9	Water and Wastewater Management	Install a public bathroom for Raquette Lake	0415030501	Raquette Lake Preservation Foundation, Hamilton County SWCD, Town of Long Lake	X			\$
2, 5	Water and Wastewater Management	Develop a septic system monitoring program	0415030101 0415030102 0415030103 0415030202 0415030206 0415030208 0415030301 0415030302 0415030304 0415030305 0415030405 0415030503 0415030504 0415030507 0415030604 0415030703	County Planning, County DOH, SWCD, Lake associations, NYSDEC, Municipalities, DANC			X	\$\$\$
5, 7	Water and Wastewater Management	Educate local elected officials on wastewater management	041503	County Planning, County DOH, SWCD, NYSDEC, Municipalities, SWCD	X			\$
2, 7	Water and Wastewater Management	Educate homeowners on septic system maintenance	041503	County Planning, County DOH, SWCD, Lake associations, NYSDEC, Municipalities, DANC	X			\$
2	Water and Wastewater Management	Initiate and advertise pharmaceutical take-back programs	041503	NYSDOH, County Planning, County DOH, SWCD, USDOJ Drug Enforcement Administration, Local law enforcement	X			\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
8	Water and Wastewater Management	Complete GIS mapping of sewer areas	041503	DANC, County Planning, NYSDEC		X		\$\$\$
2, 4, 5, 6, 8	Water and Wastewater Management	Adopt uniform sewer ordinances/sanitary law	041503	NYSDOH, County DOH, County Planning, SWCD, Water Quality Coordinating Committees, Municipalities, Lake associations		X		\$\$\$
2. 4	Water and Wastewater Management	Consider extending public sewers or implementing alternatives	0415030102 0415030209 0415030303 0415030305 0415030405 0415030507 0415030703	County Planning, NYSDEC, Municipalities, DOH			X	\$\$\$\$\$
2, 5	Water and Wastewater Management	Obtain funding support and engage in cost-share program to address failing septic systems	041503	County Planning, SWCD, County DOH, NYSDEC, Municipalities, DANC	X			\$\$\$\$
5	Water Quality Research & Monitoring	Research and document impact of road salt on lake water quality and identify BMPs to mitigate	041503	Local Municipalities, SWCDs, NYSDEC		X		\$\$\$
5	Water Quality Research & Monitoring	Model sediment transport and loading from the Grasse, Raquette, St. Regis, and Salmon Rivers to the main stem of the St. Lawrence River downstream of the Moses-Saunders dam	04150301 04150304 04150305 04150306 04150307	SRMT, NYSDEC, SWCDs			X	\$\$\$\$\$
5	Water Quality Research & Monitoring	Study sediment inflows into Chateaugay Lake to determine sources	0415030801	Chateaugay Lake Foundation, Chateaugay Lakes Association, Local Municipalities, SWCD, NYSDEC	X			\$\$\$
5	Water Quality Research & Monitoring	Install additional gauging stations throughout the Raquette River Watershed to measure flow on the Raquette River	04150305	USGS, NYSDEC, Hamilton County SWCD, Raquette Lake Preservation Foundation			X	\$\$\$\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
5	Water Quality Research & Monitoring	Install in-situ real-time water buoys that record climatic and water quality parameters	04150304 04150305 04150306 04150307	SRMT, NYSDEC, RATES, USGS, NOAA		X		\$\$\$\$
5	Water Quality Research & Monitoring	Install a weather station on Raquette Lake	0415030501	USGS, NYSDEC, Hamilton County SWCD, Raquette Lake Preservation Foundation	X			\$
5, 7, 9	Water Quality Research & Monitoring	Harmful algal bloom monitoring program for Long Lake	0415030503	NYSDEC, Hamilton County SWCD, Long Lake Association	X			\$
5, 7, 9	Water Quality Research & Monitoring	Continue and implement water quality monitoring programs for the Salmon River, Branch Brook, and Lake Titus	04150307	Lake Titus Association, NYSDEC, NYSFOLA	X			\$\$\$
9	Water Quality Research & Monitoring	Maintain fisheries balance through fish stocking at Millsite Lake	0415030305	SWCDs, Planning Departments, Indian River Lakes Conservancy, NYSDEC, Lake Associations (MLPOA)		X		\$
5	Water Quality Research & Monitoring	Monitor legacy contamination remediation efforts	0415030101 0415030102 0415030103 0415030202 0415030209 0415030210 0415030405 0415030507 0415030604	NYSDEC, USEPA, SRMT, Responsible landowners, municipalities	X			\$
5	Water Quality Research & Monitoring	Develop a water quality data repository and collaborative	041503	NYSDEC, USGS, USDA-NRCS, USDAM, SWCD			X	\$\$\$\$
5, 7	Water Quality Research & Monitoring	Encourage citizen engagement and citizen science	041503	NYSDEC, AWI, Lake associations, citizens, students, IRLC, Save the River, APIPP, SLELO, CCE, River Institute	X			\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
5	Water Quality Research & Monitoring	Continue funding for USGS gauges	041503	USGS, Municipalities	X			\$\$\$\$
5	Water Quality Research & Monitoring	Secure funding for well drinking water testing program	041503	SWCD, AWI, Municipalities		X		\$\$\$
5	Water Quality Research & Monitoring	All eligible lakes should continue or begin participation in NYSFOLA's Citizen's Statewide Lake Assessment Program (CSLAP)	041503	NYSDEC, NYSFOLA, Municipalities, Lake associations	X			\$\$
5	Water Quality Research & Monitoring	Update the NYSDEC WI/PWL to include new data on water quality in the St. Lawrence River watershed	041503	NYSDEC, SWCD, County DOH, Lake associations, nonprofit agencies		X		\$\$\$
5	Watershed Planning, Management & Outreach	Indian River Watershed Management Plan (potentially a 9 Element Plan)	04150303	SWCDs, Planning Departments, Indian River Lakes Conservancy, NYSDEC, NYSDOS		X		\$\$\$\$
5	Watershed Planning, Management & Outreach	Black Lake TMDL	0415030305	NYSDEC, SWCD, Planning Departments		X		\$\$\$\$
5	Watershed Planning, Management & Outreach	Prepare updated watershed management plan for Chateaugay Lake chain to identify issues and BMPs to mitigate	0415030801	Chateaugay Lake Foundation, Chateaugay Lakes Association, Local Municipalities, SWCD, NYSDOS		X		\$\$\$
5, 6	Watershed Planning, Management & Outreach	Designate and support a circuit writer for the St. Lawrence River watershed to identify gaps in local land use tools and regulation that aid in protecting water quality and natural resources	041503	SLRWP, DANC, NCREDC, County Planning, SWCD, NYSDEC, NYSDOS		X		\$\$\$
1, 2, 4, 6	Watershed Planning, Management & Outreach	Enforce existing regulations impacting water quality and protection	041503	County Planning, NYSDEC, Code enforcement officers, municipalities	X			\$\$

Goal(s)	Category	Action	Priority Subwatersheds	Partners	Time-Frame			Approximate Cost
					1-2 years	3-5 years	5+ years	
5	Watershed Planning, Management & Outreach	Develop an implementation reporting and tracking system	041503	SLRWP, SWCD, County Planning, County DOH, NYSDEC, Municipalities		X		\$\$\$
7	Watershed Planning, Management & Outreach	Use media to relay information and engage the public on plan implementation efforts	041503	SLRWP, SWCD, NYSDEC, North Country Public Radio, North Country Now	X			\$
5, 7	Watershed Planning, Management & Outreach	Initiate a St Lawrence River Watershed Annual Conference	041503	SLRWP, SWCD, County Planning, County DOH, NYSDEC, Municipalities, Lake associations, NYSDOS, AWI, Universities, Nonprofit agencies, APIPP, SLELO, USGS, IJC	X			\$\$
5, 7	Watershed Planning, Management & Outreach	Develop and support a collaborative STEM program which incorporates watershed science and associated teacher training	041503	CCE, AWI, IRLC, TNC, Local schools, Lake Associations (Long Lake Association)			X	\$
5, 7	Watershed Planning, Management & Outreach	Identify resources and avenues to train and educate local representatives and public on invasive species and HABs hazards	041503	State and local government officials, NYSDOH, NYSDEC, Municipal leaders, municipal public works departments	X			\$
5	Watershed Planning, Management & Outreach	Coordinate funding and other resources to implement watershed priorities	041503	SLRWP, County Planning, County DOH, SWCD, NYSDEC, NYSDOS		X		\$
5	Watershed Planning, Management & Outreach	Establish an ongoing collaborative for plan implementation	041503	SLRWP, SWCD, County Planning, County DOH, NYSDEC, Municipalities	X			\$
1, 2, 4, 5	Watershed Planning, Management & Outreach	Increase capacity of County SWCD and Planning Departments to implement projects and track progress	041503	SWCD, County Planning, Municipalities		X		\$\$\$