

04265446 GRASS RIVER SOUTHWEST OF MASSENA CENTER, NY

St. Lawrence Basin
Grass Subbasin

LOCATION.--Lat 44°57'14", long 74°50'22" referenced to North American Datum of 1927, St. Lawrence County, NY, Hydrologic Unit 04150304, at bridge on State Highway 131, about 0.5 mi southwest of Massena Center and 5 mi upstream from mouth.

DRAINAGE AREA.--625 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

NUTRIENT DATA: 2013 (b).

SEDIMENT DATA: 2013 (b).

REMARKS.--Discharge undetermined. Variable backwater at site from lock operations on the St. Lawrence River. A medium code of WSQ indicates a replicate sample.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Part 1 of 2

[%, percent; N, nitrogen; P, phosphorus; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; --, no data; WS, Surface water; WSQ, QC sample - Surface water; <, less than]

Date	Sample start time	Medium code	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)
05-22-2013	1130	WS	744	25.0	8.2	85	7.4	136	17.3
06-19-2013	1030	WS	750	20.0	8.4	90	7.3	145	19.0
07-10-2013	1210	WS	760	23.5	5.6	69	7.2	135	26.0
08-21-2013	1400	WS	764	30.5	7.6	90	7.0	104	24.0
08-21-2013	1401	WSQ	--	--	--	--	--	--	--

04265446 GRASS RIVER SOUTHWEST OF MASSENA CENTER, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 2

[%, percent; N, nitrogen; P, phosphorus; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; --, no data; WS, Surface water; WSQ, QC sample - Surface water; <, less than]

Date	Sample start time	Sampling method (82398)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)	Suspended sediment concentration, mg/L (80154)
05-22-2013	1130	Multiple verticals	0.023	0.204	0.002	< .004	0.016	0.44	12
06-19-2013	1030	Multiple verticals	.094	.324	.006	.019	.045	.95	5
07-10-2013	1210	Single vertical	.114	.109	.006	.023	.051	.76	6
08-21-2013	1400	Single vertical	.036	.046	.006	.016	.040	.48	3
08-21-2013	1401	--	.037	.048	.006	.016	.040	.48	4