

2011 ISINGLASS RIVER WATERSHED VRAP DATA

	Measurements not meeting New Hampshire surface water quality standards
	Measurements not meeting NHDES quality assurance/quality control standards

^A Specific conductance > 835 $\mu\text{S}/\text{cm}$ indicate exceedance of chronic chloride standard of 230 mg/L

12-ISG, Isinglass River, Province Road Bridge, Strafford

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Water Temp. ($^{\circ}\text{C}$)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/05/2011	10:50	7.41	85.8	5.96	0.4	46.7	19.1
07/17/2011	10:10	7.36	90.5	5.83	1.0	49.5	26.2
08/21/2011	10:45	6.41	77.7	6.07	1.0	50.0	25.1

08-ISG, Isinglass River, Route 126 Bridge, Barrington

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Water Temp. ($^{\circ}\text{C}$)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/05/2011	10:30	7.04	76.0	5.49	0.8	62.1	17.2
07/17/2011	9:45	6.31	73.3	5.73	1.6	64.8	23.0
08/21/2011	10:20	7.28	84.5	5.91	1.1	72.2	23.0

07-ISG, Isinglass River, Route 202 Bridge, Barrington

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance ($\mu\text{S}/\text{cm}$)	Water Temp. ($^{\circ}\text{C}$)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	835 $\mu\text{S}/\text{cm}^{\text{A}}$	NA
06/05/2011	10:00	9.83	102.0	5.91	0.9	65.3	17.3
07/17/2011	9:28	7.61	93.4	5.97	1.0	69.3	23.4
08/21/2011	10:00	8.03	92.5	6.25	0.5	74.2	22.4

04-ISG, Isinglass River, Green Hill Road Bridge, Barrington

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	835 µS/cm ^A	NA
06/05/2011	9:40	9.59	99.0	6.00	0.9	69.9	17.5
07/17/2011	9:10	7.40	86.3	6.27	0.8	68.2	23.1
08/21/2011	9:35	7.66	89.5	6.24	0.6	74.6	22.5

03-ISG, Isinglass River, Route 125 Bridge, Rochester

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	835 µS/cm ^A	NA
06/05/2011	9:20	7.78	79.4	4.67	1.7	81.1	16.4
07/17/2011	8:45	7.50	87.9	5.95	1.7	79.1	23.4
08/21/2011	9:15	6.10	75.5	6.03	1.0	81.2	23.7

02-ISG, Isinglass River, Rochester Neck Road Bridge, Rochester

Date	Time of Sample	DO (mg/L)	DO (% sat.)	pH	Turbidity (NTUs)	Specific Conductance (µS/cm)	Water Temp. (°C)
Standard	NA	>5.0	>75% Daily Average	6.5-8.0	<10 NTU above backgrd	835 µS/cm ^A	NA
06/05/2011	8:45	8.65	89.1	6.06	2.0	86.1	16.1
07/17/2011	8:30	7.11	82.0	6.05	4.0	92.4	22.3
08/21/2011	8:50	6.56	77.1	6.13	2.5	88.2	22.8