

ROUGE EDUCATION PROJECT

Fall Monitoring Data

2003

Note: "Certified" schools are those where at least one teacher attended a refresher training workshop in spring 2003. For benthics, certification may have included a teacher attending an in-depth benthic macroinvertebrate workshop prior to 2003.

	School/Academy	Certified	Branch	Temperature		% sat	Q-value	FC		pH		BOD		Temp		TP		NO ₃		Turb		TS		OWQ or Adj.	
				Air	Water			col/100	Q-value	units	Q-value	ΔT, °C	Q-value	mg/l	Q-value	mg/l	Q-value	mg/l	Q-value	mg/l	Q-value	mg/l	Q-value		mg/l
1.	Field Elementary	No	Lower	20	12	81%	88			7.6	92			0.0°	94			0.00	98						
2.	West Bloomfield HS	No	Main	10	11	41%	37.9			6.4	86					0.50	70	1.00	97	20	61				
3.	Schoenhals Elementary	No	Main	14	14	41%	33			7.0	90					1.00	40	5.00	70						
4.	Farrand Elementary	No	Middle	11	11	90%	95			8.0	85			1.0°	92										
5.	Power Middle School	No	Upper	10	12	120%	90	1,000	22	7.5	92	3.0	61	1.0°	90	0.20	93	5.00	65	10.8	75	675	20	67.6	
6.	Cranbrook Institute of Science-Young Scholars Program	No	Main	14	12	65%	67			7.7	91			0.0°	92	0.20	95	0.50	97	20	62			Adj 84.2	
7.	M.H. Guest Elementary	No	Middle	12	10	70%	75			7.5	94			2.0°	86			3	88	13.1	71	523	20	Adj 77.1	
8.	Wayne Memorial HS	No	Lower	12	26	11%	4	835	22	6.8	85			2.3°	90			20.35	37	52	38	184	72	Adj 43.9	
9.	Smith Middle School	No	Main	12.8		140%	78	0	98	8.5	70	3.2	70			6.00	10			25	55				
10.	Logan Elementary	Yes	Lower	6	0	59%	59			7.5	94	3.3	64							11.1	65	462	42		
11.	Frost Middle School	Yes	Upper	14	11	95%	98	350	31	7.6	91	1.5	95	-2.0°	89	0.00	98	3.00	87	11.4	74	478	35	77.9	
12.	Crestwood High School	Yes	Middle	7.5	10	89%	94	11,900	11	7.5	93	5.0	57	0.0°	93	0.20	79	0.88	91	76	27	410	46	65.9	
13a.	Troy High School #1	Yes	Main	13	12	70%	74	240	32	8.5	63	5.1	47	0.0°	93	0.10	98	4.00	90	15	67	347	53	67.0	
13b.	Troy High School #2	Yes	Main	13	12	75%	75	40	54	8.3	69	6.0	59	0.0°	93	0.10	98	4.00	90	30	52	385	49	70.6	
14.	Harrison HS	No	Upper	12.2	7.8	68%	71			8.5	70	6.6	87	1.0°	92	0.00	100	5.00	70					Adj 81.6	
15.	Snow Elementary	Yes	Upper	14	12	90%	97			7.5	93	5.8	38					1.00	96	15.2	70	516	20	Adj 51.8	
16.	Daly Elementary	Yes	Lower	11	11	70%	70							1.0°	90					9.99	76	423	43		
17.	Bishop Borgess HS & Academy	No	Upper	12.8	1.7																				
18.	Scotch Elementary	No	Main	10.6	10	50%				7.2															
19.	Model HS	No	Main	9	10	80%	87	100	45	8	85	0	96	0	92	1.00	40	4.5	65	5	85	1445	20	69.8	
20.	Steppingstone School	No	Upper	12	5	67%	75	0	97	7.5	94	2	80	0	94	0.00	100	0	98	20	62			Adj 87.9	
21.	Seaholm HS	No	Main	18	18.5	80%	86	1380	20	8.1	82	2.4	70	-0.5	93	0.08	98	1.012	97	7	81	5200	20	71.2	
22.	Roeper Lower & Middle/Upper	No	Main	11	9	68%	70	2400	18	7.7	90	3.2	63	5	73	0.01	95	3	88	25	57			Adj 61.8	
23.	Cass Tech High School	No	Main Stem		15	80%	87	1600	20	7.2	90	7	48	1	93	0.00	99	4	86	40	45	430	45	68.0	
24.																									

Student Water Quality Monitoring - BENTHIC MACROINVERTEBRATES

Name of School/Academy	Certified	Score and Ranking	Benthic/Macroinvertebrates
Snow Elementary	No	9.1 Poor	Range Chart > 48 Excellent 34 - 48 Good 19-33 Fair < 19 Poor
Hickory Grove Elementary	No	29.5 Fair	
M.H. Guest Elementary	No	44.2 Good	
Power Middle School	Yes	33.4 Fair	
Cranbrook Institute of Science-Young Scholars Program	No	24.1 Fair	
Logan Elementary	Yes	18.1 Poor	
Smith Middle School	No	35.8 Good	
Frost Middle School	Yes	24.3 Fair	
Harrison HS	No	16.4 Poor	
Daly Elementary	Yes	1.1 Poor	
Bishop Borgess HS & Academy	Yes	7.4 Poor	
Scotch Elementary	No	38.4 Good	
Seaholm HS	Yes	26.1 Fair	
Roeper Lower & Middle/Upper	No	11.0 Poor	
Cass Tech High School	No	0.0 Poor	

Student Water Quality Monitoring - PRIMARY INFORMATION

Name of School/Academy	Location of School/Academy	Name of Teacher(s)	Sam-pling Branch	Sam-pling Date	Sampling Location	Crossroads of Sampling Location	Lat. °North	Long. °West	Program(s) Performed			Weather
									WQT	B/M	Sur.	
1. Field Elementary School Returning	1000 S. Haggerty Rd Canton, MI 48188	Rick Plecha	Lower	10/17	Truesdell Creek - school grounds Canton	Haggerty Rd & Palmer			✓			Sunny, breezy, warm
2. Snow Elementary School Returning	2000 Culver Rd Dearborn, MI 48124	Chris Kosal	Upper	10/15	Lola Valley Park Redford	Five Mile & Pomona			✓	✓	✓	Sunny, windy
3. Model High School Returning	2605 Lone Pine Rd West Bloomfield, MI 48323	Linda Toth	Main	10/20	Hickory Grove Elementary School Bloomfield Hills	Lahser & Square Lake Rd			✓	✓		Cold and clear
4. Hickory Grove Elementary School Returning	2800 Lahser Rd Bloomfield Hills, MI 48302	Beth Akers	Main	10/15	Hickory Grove Elementary School Bloomfield Hills	Lahser & Square Lake Rd				✓		Sunny, windy, chilly
5. Crestwood High School Returning	1501 N Beech Daly Dearborn Heights, MI 48127	Diana Johns	Middle	10/15	Behind Hillcrest Elementary School Dearborn Heights	Telegraph Rd and Hines Dr.			✓			Clear and windy, flood conditions
6. Smith Middle School Returning	5835 Donaldson Troy, MI 48085	Nancy Klein	Main	10/15	Quarton Lake Park Birmingham	Oak and Lakeside			✓	✓	✓	Cool, sunny, partly cloudy
7. Logan Elementary School Returning	3811 Cicotte Detroit, MI 48210	Diane Sampson	Lower	10/15	Fowler Creek Superior Township	Prospect & Cherry Hill			✓	✓	✓	Windy and sunny
8. Power Middle School Returning	34740 Rhonswood Farmington, MI 48335	Eric Hammar	Upper	10/15	Tarabusi Drain, Gill Elementary Farmington	Gill & Colfax			✓	✓	✓	Cool, windy, overcast
9. Roeper Lower & Middle/Upper Returning	1051 Oakland Birmingham, MI 48009	Linda Pence	Main	10/19	41190 Woodward (Lower School campus) Bloomfield Hills	Woodward between Square Lake and Long Lake rds.	42° 35' 93"	80° 15' 25"	✓	✓	✓	Partly cloudy
10. West Bloomfield High School Returning	4925 Orchard Lake Rd West Bloomfield, MI 48323	Josh Barclay	Main	10/15	Egg Lake/Franklin Branch-school grounds West Bloomfield	Walnut Lake & Orchard Lake			✓			Partly sunny, warm, windy
11. Cranbrook Institute of Science- Young Scholar's Program Returning	39221 Woodward Ave Bloomfield Hills, MI 48303	Gerald Walker, Cynthia Haley	Main	10/15	Cranbrook grounds Bloomfield Hills	Valley Way near Tamarack Way			✓	✓		Sunny, cool
12a. Troy High School #1 Returning	4777 Northfield Parkway Troy, MI 48098	Robert Zynda	Main	10/15	East side, impoundment Troy	Long Lake & Coolidge			✓			Sunny, windy, rained last night
12b. Troy High School #2 Returning	4777 Northfield Parkway Troy, MI 48098	Robert Zynda	Main	10/15	West side, river Troy	Long Lake & Coolidge			✓			Sunny, windy, rained last night
13. Cass Tech High School Returning	2421 Second Ave Detroit, MI 48201	Karen Kachadurian	Main Stem	10/15	Fort Street Bridge Detroit	Fort St & Oakwood			✓	✓		Cool
14. Harrison High School Returning	29995 W. 12 Mile Rd Farmington Hills, MI 48334	Alice Lashbrook	Upper	10/15	Woodland Hills Park Farmington Hills	12 Mile & Farmington Rd			✓	✓	✓	Sunny
15. Steppingstone Returning	21900 Middlebelt Farmington Hills, MI 48336	Dr. Philip Morse II	Upper	10/15	Shiawassee Park Farmington	Shiawassee Rd between 9 & 10 Mile Rds			✓			Cloudy, rained day before
16. Daly Elementary School Returning	25824 Michigan Ave Inkster, MI 48141	Arlene LaFehr - Compeau, Glen Taylor, Bill Tucker	Lower	10/15	Lower Rouge Parkway Inkster	John Daly & Michigan Ave	43°	83°	✓	✓	✓	Windy, sunny
17. Frost Middle School Returning	14041 Stark Rd Livonia, MI 48184	Debbie Gaj	Upper	10/15	Bicentennial Park Livonia	Farmington Rd & 7 Mile Rd			✓	✓	✓	Sunny
18. Bishop Borgess High School Returning	11685 Appleton Redford, MI 48239	Karen Bridges-George	Upper	10/15	Behind Arby's Redford	Telegraph Rd between I-96 and 5 Mile Rd			✓		✓	Sunny, flooded conditions
19. Farrand Elementary School Returning	41400 Greenbriar Lane Plymouth, MI 48170	Tina Jones, Issy Sand, Chris Hammond, Michael Gold	Middle	10/15	Waterford Bend Northville Twp	Northville Rd & 6 Mile			✓		✓	Windy, clear, sunny

20.	Seaholm High School Returning	2436 W Lincoln Birmingham, MI 48009	Renee' Moore	Main	9/17	Northern end of Quarton Lake Park Birmingham	Midland & Lakeside	42° 25'	85° 1'	✓	✓	✓	Sunny
21.	Schoenhals Elementary School Returning	16500 Lincoln Dr Southfield, MI 48076	Dave Forman	Main	10/15	Civic Center Park Southfield	Telegraph & Civic Center Dr			✓			
22.	Southfield High School Returning	24275 Lahser Rd Southfield, MI 48034	Fred Pellerito	Main		Civic Center Park Southfield	Telegraph & Civic Center Dr						
23.	M.H. Guest Elementary School Returning	1655 Decker Rd Walled Lake, MI 48390	Karrie Martin, Melanie McFadden, Matthew Hewitt	Middle	10/15	Brookfarm Park Novi	Willowbrook south of 10 Mile Rd			✓	✓	✓	Cool, breezy, sunny
24.	Wayne Memorial High School Returning	3001 Fourth St Wayne, MI 48184	Tom Morgan, Stephanie Niedermeyer, Robin Thomas	Lower	10/14	Wayne HS school grounds Wayne	Fourth St & Ash St			✓			Rainy!
25.	Scotch Elementary School Returning	5959 Commerce Rd West Bloomfield, MI 48324	Mary O'Neill, Denise Andrews	Main	10/15	West Bloomfield Nature Preserve West Bloomfield	Pontiac Trail & Arrowhead Dr			✓	✓	✓	Mostly sunny, breezy, steady rain previous 24 hours

DO - Dissolved Oxygen	Adj. - Adjustment to the Overall Water Quality
FC - Fecal Coliform	B/M - Benthic / Macroinvertebrates
pH - pH	B/P - Barometric Pressure
BOD - Biochemical Oxygen Demand	ntu - Nephelometer Turbidity Units
Temp - Change in Temperature	OWQ - Overall Water Quality
TP - Total Phosphorus	Q-value - Quality Value
NO ₃ - Nitrates	Sur. - Physical Survey
Turb - Turbidity	WQT - Water Quality Tests
TS - Total Solids	✓ Test or Study Performed