

STUDENT WATER QUALITY MONITORING OF the ROUGE RIVER WATERSHED

ROUGE EDUCATION PROJECT Spring Monitoring Data

2002

	School/Academy	Branch	Temperature		DO		FC		pH		BOD		Temp		TP		NO ₃		Turb		TS		Adj.	OWQ
			Air	Water	% sat	Q-value	col/100	Q-value	units	Q-value	mg/l	Q-value	ΔT, °C	Q-value	mg/l	Q-value	mg/l	Q-value	ntu	Q-value	mg/l	Q-value		
1.	Stout Middle School	Stem	8	14.5	17%	24.75	6,850	12	8.0	8				0.36	91	0.80	58	40	45			Adj.	36.0	
2.	Cass Tech High School	Stem	5	13.4	70%	77	33,000	7	7.7	83			1.4°	89	20.00	37	22.00	33	10	80	2,150	20	Adj.	53.1
3.	Frost Middle School	Upper	18	16	105%	98	320	32	8.3	79	2.0	86	0.0°	94	3.50	17	0.00	98	23	58	330	56		69.7
4.	Pembroke Environmental Club	Main	10	10	70%	75			7.7	90														
5.	Tonda Elementary	Middle			87%	93			8.0	85														
6.	Power Middle School	Upper	10	11	86%	92			8.0	83	8.5	90	0.0°	92	0.00	100	5	65	5	85	2000	20	Adj.	84.8
7.	Salem Elementary School	Middle	12	7	85%	91			7.5	94								1.75	95					
8.	East Middle School	Main	23	8	110%	97	0	97	8.2	77	3.0	90	4.5°	94	0.10	98	2.30	94	5	97			Adj.	93.7
9.	Detroit Country Day MS	Main			80%	87	150	39	8.0	85	7.1	47	1.5°	88	0.14	94	6.00	60	15	68	836	20		66.8
10.	Edsel Ford High School	Middle	15	10	62%	62			7.3	92	0.0	98	0.5°	92	0.10	95	0.50	98	8	79	268	64	Adj.	85.7
11.	Smith Middle School	Main	16	23.3			2,400	18	7.9	87			0.0°	94	1.70	29	5.00	70	10	76			Adj.	59.2
12.	Birney Middle School	Main	11.25	12	98%	100	144	39	8.0	85	2.9	67	1.1°	90	0.70	55	3.00	88	15	68			Adj.	66.1
13.	Ser Casa Academy	Stem	13	14	100%	99			8.1	82	25.0	8	1.0°	90	3.00	21			98	18	1,663	20	Adj.	55.6
14.	Amerman Elementary School	Middle	16.5	10.5	85%	91			7.6	92														
15.	Green Elementary School	Upper	19	10.5	61%	60			7.4	92														
16.	Southfield High School	Main	12.7	9.1	130%	85	2,463	18	7.9	83	7.0	40	0.8°	91	0.50	55	1.50	96					Adj.	62.1
17.	Starkweather Educational	Middle	17	10	80%	88	1,700	18	8.0	85	2.0	75	0.0°	93	0.00	96	2.00	94	23	58			Adj.	72.8
18.	Fisher Elementary School	Upper	14	8	60%	57			8.0	85														
19.	Franklin Middle School	Lower	11.5	12.2	95%	98	1	96	7.7	90	0	98	0	94	0.01	100	7.7	56	9.95	76	256	64		88.3
20.	Huron Valley Lutheran HS	Middle	11.2	12.1	70%	75	100	45	8.2	79	0	99	4	78	0.28	86	5.5	67	15	66	2300	20		69.3
21.	AGBU Manooagian HS	Upper	12	5	60%	58	0	95	8.25	75	1.5	95			0.00	100	5	90	0	95	300	60	Adj.	85.0
22.	Edison Elementary School	Middle	15	10	88%	97			8.0	70	4	58												
23.	University Public School	Upper	18		140%	50			7.5	94				100.00	1			3.5	93					
24.	Winchester Elementary	Middle	15	12	90%	94			8.2	80														
25.	Dunckel Middle School	Upper	13	10.8	140%	90	12	68	8.0	83			0.7	93	0.10	100	2	97	3.52	90	279	62	Adj.	85.6
26.	Schoenhals Elementary	Main			92%	97			8.1	82								40	45					
27.	Crestwood High School	Middle	10	13	84%	90	2	87	7.8	90	5	57	0	93	0.02	96	0.44	95	12.11	72	682.5	20		81.0
28.	Avondale High School	Main		15	100%	98	100	43	8.5	65	10	97			0.20	95	2.5	75	10	78	279	62	Adj.	76.9
29.	Divine Child Elementary	Lower	27	10			233	34	7.5	94			2	86	0.60	60	25	32	12	73			Adj.	61.0
30.	Homeschool	Upper	15.5	12.8	75%	80	1	97	7.0	89	0.9	55			0.20	96	1	96	5	96			Adj.	92.3
31.	Wayne Memorial High School	Lower	13	12	69%	75		63	8.0	84	2.3	75	0.5	92	7.00	8	25	32	2.7	72	600	20		60.7
32.	West Hills Middle School	Main	12	16	100%	99	11.5	68	8.0	84			87	0	92	0.50	65	1	96	12	75		Adj.	84.0
33.	John Glenn High School	Middle	18.3	11.1	85%	93	20	65	8.3	77	4.4	58	1.1	88	0.20	90	3.5	95	15	68	1	85		79.8
34.	Scotch Elementary School	Middle	18	12	58%	56			7.6	92														
35.	Henry Ford High School	Main		11	65%	60	1500	20	8.5	60	5	55	0	92	1.00	40	1	92	9.98	77	314	58		59.0
36.	Farmington High School	Upper	13	10	98%	98	100	45	7.3	93	2	87	0	93	0.13	97	0.05	96	15	66	167	76		82.8
37.	Doherty Elementary School	Upper	10	8	60%	57			7.5	94			1	90										
38.	Franklin Road Christian School	Middle	17.2	13.3	83%	90	610	27	8.0	83	3.6	63	-0.56	92	0.10	98	14	44	4.56	87	331	55		69.9
39.	Birmingham Alternative HS	Main	16	15	118%	93	20	62	8.2	77	4.5	56	2	85	0.20	95	3	90					Adj.	80.5
40.	Avondale Meadows Upper ES	Main	16	17					8.0	85						1	85.8	5	88					
41.	North Farmington High School	Upper				19	250	34	8.0	85	2	90	1	90	15.00	2	5	70	10	87	350	54		54.9
42.	Marian High School	Main	10	9	100%	99	0.15	40	8.0	85	2.5	77	0	93	0.11	97	0.23	98	7.95	81	275	63		80.8
43.	Cranbrook Institute of Science	Main	1.7	6	80%	87			7.5	94					0.20	90			75	27			Adj.	79.0
44.	Field Elementary School	Lower	18	16	76%	82	32	64	7.2	92	2	85	0	94	0.00	100	0	98	3	78	246	66		56.6
45.	Logan Elementary School	Lower	15	8	90%	98			7.5	94	1.02	98												

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46.	Seaholm High School	Main	9.4	11.5	94%	97	100	44	8.0	83	3	66	0.5	92	0.48	61	0.374	97	20	62	723	20			Adj.	71.3
47.	Riverview Community HS	Middle	13	13	85%	91	100	43	7.0	90	6.5	49	0	94	0.01	100	17.6	41							Adj.	61.1
48.	Model High School	Main	8	6	125%	87	150	40	8.0	81	11.5	30	0	93	0.55	60	105	80	20	62	800	20			Adj.	63.1
49.	Amerman Elementary School #2	Middle	12	18	97%	99			7.9	87																
50.	Romulus Middle School	Lower	11	10	85%	95	45.5	58	6.8	82	24.54	8	1	90	2.00	90	2	95	15	67					Adj.	73.7
51.	Herlong Cathedral School	Middle	16	12	55%	50	6	79	8.0	40	8	40		0.20	96	1	98	1	61					Adj.	71.0	
52.	Troy High School	Main		13	91%	96	740	23	7.8	89	5.52	53	0	94	0.1	95	2	96	1.25	98	717	20			Adj.	73.3
53.	Tinkham Alternative H.S.	Lower	20	13		62		69		85		27		88		97		35		63		59			Adj.	65.1
54.	Ferndale High School	Main							8.1	80	5	55	9	45	0.34	90	5	65	69	29					Adj.	62.3
55.	Silver Springs Elementary	Middle			70%	75			7.6	92																
56.	SteppingStone School	Upper	14	9	120%	90	133	42	8.2	78	40	5	0.6	96	0.60	55	7.5	55	0	100					Adj.	65.0
57.	Jefferson-Barnes Elementary	Lower	20	12	140%	78			8.5	65	10	34	3	86												
58.	West Bloomfield High School	Main	15	16	80%	87			8.0	83	1	94			1.00	40	0	97	5.87	86	369	50			Adj.	76.0
59.	Schweitzer ES - Schofield	Middle			80%	87			7.5	94																
60.	Schweitzer ES - Ernat	Middle			98%	100			8.0	85																
61.	Lessenger Middle School	Main							8.0	83					3.00	21	5	65	20	61						
62.	Snow Elementary School	Middle							8.1	80																
63.	Pierce Middle School	Upper	13	11		92		95		82								70		66		58			Adj.	85.0
64.	Renaissance High School	Main	17	10	70%	75	975	21	8.0	85	4.2	57	-1	90	2.30	25	17.6	41	1.5	64	200	72			Adj.	57.5
65.	Marshall Middle School	Lower	12	11	90%	96	2	90	7.5	93	0	98	0	92	0.01	98	7.8	60	9.95	78	250	66			Adj.	87.6
66.	Wilson Middle School	Middle	10	16	70%	77	20	62	6.3	70	5	55	0	93	1.00	40	2	95	10	77					Adj.	70.8
67.	Nowlin Elementary School	Middle		16					8.5				0	94												
68.	Bishop Borgess HS & Academy	Upper	7	7	58%	56	257	33	7.3	92						1.6	96									

STUDENT WATER QUALITY MONITORING of the ROUGE RIVER WATERSHED

Student Water Quality Monitoring - BENTHIC MACROINVERTEBRATES

Name of School/Academy
Stout Middle School
Cass Tech High School
Frost Middle School
Avondale High School
Power Middle School
Salem Elementary School
East Middle School
Silver Springs Elementary
Birney Middle School
Huron Valley Lutheran High School
Ser Casa Academy
Amerman Elementary - LeValle
Starkweather Education Center
Fisher Elementary School
Franklin Middle School
AGBU Manoogian High School
Edison Elementary School
University Public School
Dunckel Elementary School
Divine Child Elementary School
Homeschool
Schoenhals Elementary School
John Glenn High School
Scotch Elementary School
Farmington High School
Franklin Road Christian School
Avondale Meadows Upper Elementary
Snow Elementary School
Marian High School
Logan Elementary School
Seaholm High School
Riverview Community High School
Amerman Elementary School - Lightfoot
Romulus Middle School
Schweitzer Elementary School - Ernat
Schweitzer Elementary School - Schofield
SteppingStone School
Ferndale High School
Pierce Middle School
Renaissance High School
Marshall Middle School
Daly Elementary School

Score and Ranking	
0.0	Poor
0.0	Poor
27.3	Fair
14.7	Poor
33.9	Good
23.0	Fair
22.8	Fair
23.2	Fair
30.8	Fair
12.1	Poor
9.1	Poor
47.9	Good
18.2	Poor
0.0	Poor
3.0	Poor
19.7	Fair
10.4	Poor
29.6	Fair
32.4	Fair
22.3	Fair
7.1	Poor
21.2	Fair
40.3	Good
29.3	Fair
32.4	Fair
24.2	Fair
22.2	Fair
13.3	Poor
25.7	Fair
29.2	Fair
27.5	Fair
37.2	Good
17.5	Poor
41.6	Good
13.4	Poor
26.9	Fair
15.5	Poor
8.0	Poor
46.9	Good
0.0	Poor
31.0	Fair
19.6	Fair

Benthic/Macroinvertebrates

Range Chart
> 48 Excellent
34 - 48 Good
19-33 Fair
< 19 Poor

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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. Stout Middle School Returning	18500 Oakwood Dearborn 48124	Kathy Smith	Stem	4/24	Dearborn	Southfield& Rotunda Dr.	42	83	✓	✓	✓	Sunny, windy
2. Cass Tech High School Returning	2421 Second Ave. Detroit 48201	Karen Kachadurian	Stem	4/24	Detroit	Oakwood & Fort St.			✓	✓	✓	Clear, cool
3. Frost Middle School Returning	14041 Stark Rd Livonia 48154	Debbie Gaj	Upper	4/24	Bicentennial Park, Livonia	Seven Mile between Farmington & Levan			✓	✓	✓	Partly cloudy, windy
4. Pembroke Elementary Returning	955 N. Eton Troy 48084	Pat Dobosenski	Main	4/24	Birmingham	Strathmore & Grand Trunk Railroad Tracks			✓		✓	Sunny, cold, misty, frost on grass
5. Tonda Elementary Returning	46501 Warren Rd Canton 48187	Marjane Baker	Middle	4/24	Haggerty Field, Hines Park, Plymouth	Haggerty Rd & Hines Drive			✓		✓	
6. Power Middle School Returning	34740 Rhonswood Farmington 48335	Jerry Ross	Upper	4/24	Farmington	Gill & Colfax			✓	✓		Cool, sunny
7. Salem Elementary School Returning	7806 Salem Rd Salem 48175	Linda Hass	Middle	4/24	Salem	Salem Rd between Five Mile & Six Mile			✓			Sunny, windy
8. East Middle School Returning	25000 Middlebelt Farmington Hills 48336	Gloria Tweadey	Main	4/24	School Grounds, Farmington Hills	Eleven Mile & Middlebelt	42.46	83.35	✓	✓	✓	Sunny, windy
9. Detroit Country Day MS Returning	22400 Hillview Lane Beverly Hills 48025	Kathy Mencotti	Main	4/24	School Grounds, Beverly Hills	13 Mile & Lahser			✓			Cloudy
10. Edsel Ford High School Returning	20601 Rotunda Dr Dearborn 48124	Jim Milotz	Middle	4/24	Ford Field, Dearborn	Brady & Morley			✓			Clear, windy
11. Silver Springs Elementary Returning	19801 Silver Springs Dr Northville 48167	Cathy Jaskiewicz	Middle	4/24	Parmenter's Cider Mill, Northville	Baseline Rd & Old Novi Rd				✓	✓	Sunny
12. Smith Middle School New	5835 Donaldson Troy 48098	Nancy Klein	Main	4/24	Quarton Lake Park, Birmingham	Maple & Southfield			✓			Sunny, light breeze
13. Birney Middle School New	27225 Evergreen Southfield 48076	Fran Pynnonen	Main	4/24	Douglas Evans Nature Preserve, Southfield	14 Mile & Evergreen			✓	✓	✓	Sunny, clear
14. Huron Valley Lutheran HS Returning	33740 Cowan Rd Westland 48185	Steve Grosinske	Middle	4/24	Nankin Footbridge Hines Park, Westland	Hines Drive & Farmington Rd				✓		Partly cloudy, cool
15. Ser Casa Academy Returning	3815 W Fort St Detroit 48216	Gwendolyn Guerrant	Stem	4/24	Hines Park	Hines Drive across Cherry Hill			✓	✓	✓	Sunny, cool
16. Amerman Elementary Returning	847 N Center Northville 48167	Wendy LaValle & Jeff Lightfoot	Middle	4/24	Ford Field, Northville	Between 7 & 8 Mile east of Sheldon Rd			✓	✓	✓	Sunny, clear
17. Green Elementary School Returning	4500 Walnut Lake Rd West Bloomfield 48323	Dorene Doane	Upper	5/1	West Bloomfield Nature Preserve	Walnut Rd & Orchard Lake Rd			✓		✓	Partly cloudy
18. Southfield High School Returning	24675 Lahser Southfield 48034	Jim Bugg	Main	4/25	Southfield	Civic Center Dr & Telegraph			✓			Windy, cool
19. Starkweather Education Returning	550 N Holbrook Plymouth 48170	Marisa Eppler	Middle	4/24	Gunsolley Mills, Plymouth	Hines Drive & Wilcox Rd			✓	✓		Sunny
20. Fisher Elementary School Returning	10000 Crosley Redford 48239	Stacey Stewart	Upper	4/24	Bell Creek Park, Redford	Inkster Rd & Five Mile			✓	✓	✓	Sunny, windy
21. Franklin Middle School Returning	33555 Annapolis Wayne 48184	Frank Walker	Lower	4/24	Wayne City Hall, Wayne	Wayne Rd & Sims	14	17.8	✓	✓	✓	Sunny
22. AGBU Manoogian HS New	22001 Northwestern Hwy Southfield 48075	Larry Kolopajo	Middle	4/24	Lola Valley Park Redford	Five Mile & Pomona			✓	✓	✓	Sunny

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23.	Edison Elementary School New	34505 Hunter Westland 48185	Judy Muller	Middle	4/24	Hix Park Westland	Hix & Warren Rd				✓	✓		Sunny
24.	University Public School New	2727 Second Ave Detroit 48201	Pam Simek	Upper	4/24	Lola Valley Park Redford	Five Mile & Beech Daly				✓	✓	✓	Windy
25.	Winchester Elementary Returning	16141 Winchester Dr Northville 48167	Nicole Vitale	Middle	4/24	Waterford Bend - Hines Park, Northville	Six Mile & Northville Rd				✓		✓	Sunny
26.	Dunckel Middle School Returning	32800 W 12 Mile Rd Farmington Hills 48334	Jerry Morrissey	Upper	4/24	School grounds Farmington Hills	12 Mile & Farmington				✓	✓	✓	Sunny, windy
27.	Schoenhals Elementary Returning	16500 Lincoln Dr Southfield 48076	Dave Forman	Main	4/24	City Park Southfield	Telegraph & Civic Center Dr.				✓	✓		
28.	Crestwood High School Returning	1501 N. Beech Daly Dearborn Heights 48127	Diana Johns	Middle	4/24	Behind Hillcrest ES, Hines Park, Dearborn Heights	Telegraph & Hines Drive	42	83		✓			Warm, sunny
29.	Avondale High School New	2800 Waukegan Auburn Hills 48326	Amy Brown	Main	4/24	Booth Park Birmingham	Old Woodward & Maple				✓	✓		Sunny
30.	Divine Child Elementary New	25001 Herbert Weier Dr Dearborn 48128	Robin Lux	Lower	4/24	Inkster Park Inkster	John Daly & Michigan Ave	10	85.5		✓	✓	✓	Partly cloudy
31.	Homeschool New	20875 Willow Lane Farmington Hills 48336	Susan Smith	Upper	5/1	Private Property Farmington Hills	Eight Mile & Middlebelt				✓	✓		Partly cloudy
32.	John Glenn High School New	36100 Marquette Westland 48185	Elizabeth Bozyk	Middle	4/24	Merriman Hollow, Hines Park, Westland	Hine Drive & Merriman						✓	Partly cloudy
33.	Wayne Memorial High School Returning	3001 Fourth St Wayne 48184	Thomas Morgan	Lower	4/24	Behind high school Wayne	Between Glenwood & Michigan Ave				✓			Sunny, cool
34.	West Hills Middle School New	2601 Lone Pine Rd West Bloomfield 48323	Ed Bretzlaff	Main	4/26	Walnut Lake West Bloomfield	Lone Pine and Middlebelt				✓			Sunny, cool
35.	Scotch Elementary School Returning	5959 Commerce Rd West Bloomfield 48324	Mary O'Neill	Middle	4/24	West Bloomfield Nature Preserve	Old Orchard Trail & Pontiac Trail	43			✓	✓	✓	Sunny
36.	Henry Ford High School New	20000 Evergreen Rd Detroit 48219	Wanda Bryant	Main	4/24	Eliza Howell Park Detroit	Fenkell & Telegraph				✓			Sunny, clear
37.	Farmington High School Returning	32000 Shiawassee Farmington 48336	Dave Hendershot	Upper	4/23	Shiawassee Park/City Park Farmington	Shiawassee & Power	42.28	83.22		✓	✓	✓	Sunny, windy
38.	Doherty Elementary Schoool Returning	3575 Walnut Lake Rd West Bloomfield 48322	Tiffaney Emert	Upper	4/23	West Bloomfield Nature Preserve	Pontiac Trail				✓			Sunny, fair
40.	Franklin Road Christian School New	40800 W. 13 Mile Rd Novi 48377	Merry Wright	Middle	4/24	Rotary Park Novi	Nine Mile Rd & Roethel Dr	42.27	83.27		✓	✓	✓	Sunny, windy
41.	Birmingham Alternative HS Returning	1742 Pierce Birmingham 48009	David Groenenboom	Main	4/24		Maple Rd & Southfield Rd				✓			Clear
42.	Avondale Meadows Upper ES New	1435 W. Auburn Rd Rochester Hills 48309	Katherine Suender	Main	4/24	Firefighters Park Troy	Crooks & Square Lake Rd				✓	✓		Sunny, windy
43.	Snow Elementary School Returning	2000 Culver Dearborn 48124	Christine Kosal	Middle	5/2	Henry Ford Estate Dearborn	Evergreen & Michigan Ave				✓	✓	✓	Cloudy, breezy, cool
44.	North Farmington High School Returning	32900 W Thirteen Mile Farmington 48334	Ginny Lambert	Upper	5/7	Woodbrook Pool Farmington Hills	Thirteen Mile between Farmington & Orchard Lake				✓			Heavy rain 5/6
45.	Marian High School Returning	7225 Lahser Rd Bloomfield Hills 48301	Judy Graham	Main	4/24	Firefighters Park Troy	Crooks & Square Lake Rd				✓	✓	✓	Sunny
46.	Cranbrook Institute of Science New	39221 Woodward Ave Bloomfield Hills 48303	Gerald Walker	Main	3/23	School grounds Bloomfield Hills	Woodward Ave & Tamarack Way				✓			Sunny, cold
47.	Field Elementary School Returning	1000 S. Haggerty Rd Canton 48188	Rick Plecha	Lower	4/24	Truesdell Creek Canton	Haggerty Rd between Cherry Hill & Palmer				✓			

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48.	Logan Elementary School Returning	3811 Cicotte Detroit 48210	Diane Sampson	Lower	4/24	Cherry Hill Park Superior Township	Cherry Hill & Prospect				✓	✓	✓	Sunny, clear, breezy
50.	Seaholm High School Returning	2436 W. Lincoln Birmingham 48009	Renee' Moore	Main	5/1	Birmingham	Midland & Oak				✓	✓		Overcast
51.	Riverview Community HS Returning	12431 Longsdorf Riverview 48192	Donna Hollandsworth	Middle	4/24	Northville Recreation Area Northville	Seven Mile & Hines Dr	42.26	83.72		✓	✓	✓	Sunny
52.	Model High School Returning	1661 Hunters Ridge Bloomfield Hills 48304	Linda Toth	Main	5/2	Hickory Grove Elementary Bloomfield Hills	Lahser & Square Lake Rd				✓			Cloudy, cold, recent heavy rain
53.	Romulus Middle School New	37300 Wick Rd Romulus 48174	Sharon Grandell	Lower	4/24	Heritage Park Canton	Canton Center at Cherry Hill				✓	✓	✓	Sunny, windy
54.	Schweitzer Elementary School Returning	2601 Treadwell Westland 48186	Mary Ernat & David Schofield	Middle	4/24	Levan Knoll, Hines Park Westland	Hines Drive & Newburgh					✓	✓	Sunny
55.	Herlong Cathedral School New	4800 Woodward Ave Detroit 48201	Wayne Wheatley	Middle	4/24	Perrin, Hines Park Westland	Hines Dr west of Inkster				✓			Sunny
56.	Troy High School Returning	4777 Northfield Parkway Troy 48098	Robert Zynda	Main	5/7	Troy	Long Lake & Coolidge Hwy				✓			Cloudy, rained night before
57.	Tinkham Alternative High School Returning	450 S. Venoy Westland 48186	Ken Vanderworp	Lower	4/24	Wayne Memorial H.S. Wayne	Michigan Ave & Venoy				✓			Sunny
58.	Ferndale High School Returning	881 Pinecrest Ferndale 48220	Al Bancroft	Main	4/29	Lawrence Tech Campus Southfield	10 Mile & Northwestern				✓			Cold, cloudy
59.	SteppingStone School New	21900 Middlebelt Farmington Hills 48336	Dr. Phillip Morse II	Upper	4/24	Shiawassee Park Farmington Hills	South of Shiawassee Rd between 9 & 10 Mile Roads				✓	✓	✓	Sunny
60.	Jefferson-Barnes Elementary New	32150 Dorsey Westland 48186	Lorrie Tracy	Lower	4/24	Lower Rouge Parkway Wayne	Venoy between Palmer & Michigan Ave				✓		✓	Sunny, warm
61.	West Bloomfield High School Returning	4925 Orchard Lake Rd West Bloomfield 48323	Josh Barclay	Main	4/24	Egg Lake West Bloomfield	Orchard Lake Rd & Lone Pine				✓			Partly cloudy
62.	Lessenger Middle School Returning	8401 Trinity Detroit 48228	Lorraine Taylor	Main	5/24	Rouge Park Detroit	Tireman between Spinoza and Outer Drive				✓			
63.	Pierce Middle School Returning	25605 Orangelawn Redford 48239	Jill Davison & Jeff Roth	Upper	4/24	Lola Valley Park Redford	Pomona & Kinloch	42.23	83.17		✓	✓	✓	Sunny
64.	Renaissance High School Returning	6565 W. Outer Drive Detroit 48235	Richard Johnson	Main	4/24	Rouge Park Detroit	Warren Ave & Spinoza Dr				✓	✓	✓	Partly Cloudy
65.	Marshall Middle School New	35100 Bayview Westland 48186	Boone Scharp	Lower	4/24	Lower Rouge Parkway Wayne	Venoy between Palmer & Michigan Ave				✓			Sunny, scattered clouds
66.	Wilson Middle School Returning	1275 15th Street Wyandotte 48192	Michael White	Middle	4/18	Holiday Park Westland	Hix and Warren Rd				✓			Cool
67.	Nowlin Elementary School Returning	23600 Penn St Dearborn 48124	Laura Syring	Middle	4/24	Newburgh Lake Livonia	Hines Dr & Newburgh Rd				✓		✓	Sunny, windy
68.	Daly Elementary School Returning	25824 Michigan Ave Inkster 48141	Arlene LaFehr-Compeau	Lower	5/1	Lower Rouge Parkway Inkster	Michigan Ave & John Daly					✓	✓	Partly cloudy
69.	Bishop Borgess HS & Academy Returning	11685 Appleton Redford 48239	Christine Faro	Upper	5/1	Behind Arby's Restaurant Redford	Telegraph & I-96				✓	✓		

STUDENT WATER QUALITY MONITORING of the ROUGE RIVER WATERSHED

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