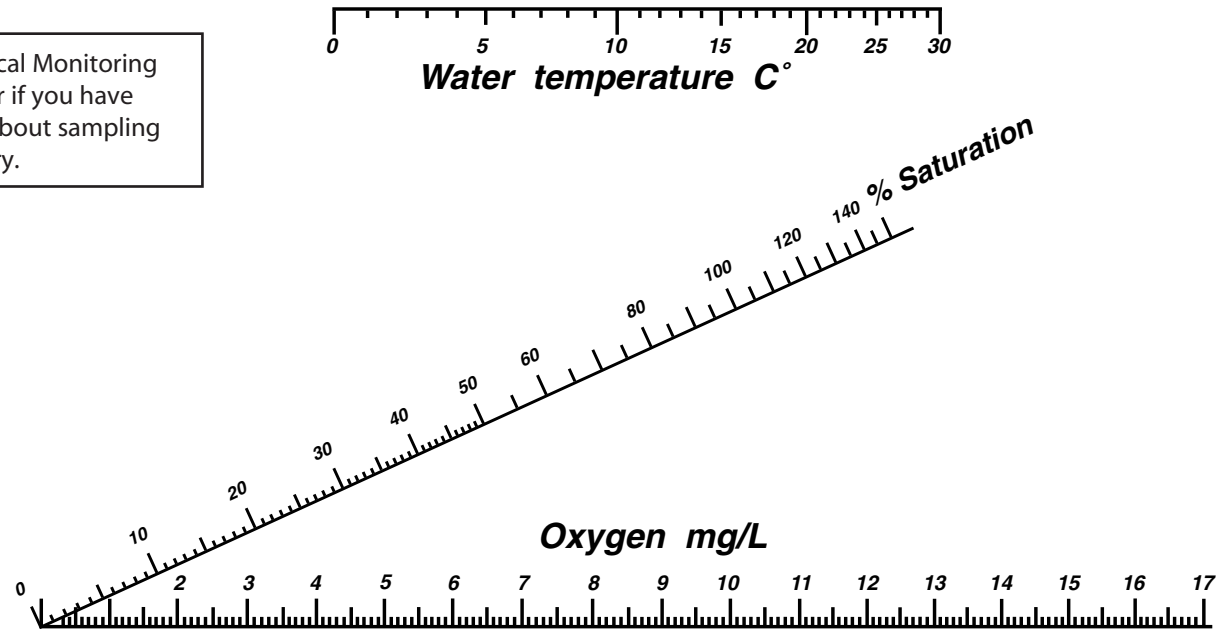
Water Action Volunteers

Transparency Conversion Chart

Centimeters	Inches	Approximate NTU Value
<6.4	<2.5	>240
6.4 to 7.0	2.5 to 2.75	240
7.1 to 8.2	2.76 to 3.25	185
8.3 to 9.5	3.26 to 3.75	150
9.6 to 10.8	3.76 to 4.25	120
10.9 to 12.0	4.26 to 4.75	100
12.1 to 14.0	4.76 to 5.5	90
14.1 to 16.5	5.6 to 6.5	65
16.6 to 19.1	6.6 to 7.5	50
19.2 to 21.6	7.6 to 8.5	40
21.7 to 24.1	8.6 to 9.5	35
24.2 to 26.7	9.6 to 10.5	30
26.8 to 29.2	10.6 to 11.5	27
29.3 to 31.8	11.6 to 12.5	24
31.9 to 34.3	12.6 to 13.5	21
34.4 to 36.8	13.6 to 14.5	19
36.9 to 39.4	14.6 to 15.5	17
39.5 to 41.9	15.6 to 16.5	15
42.0 to 44.5	16.6 to 17.5	14
44.6 to 47.0	17.6 to 18.5	13
47.1 to 49.5	18.6 to 19.5	12
49.6 to 52.1	19.6 to 20.5	11
52.2 to 54.6	20.6 to 21.5	10
>54.7	>21.6	<10

Call your local Monitoring Coordinator if you have questions about sampling or data entry.

Level of Oxygen Saturation Chart



How to Find Percentage of Saturation: *Find the water temperature (convert from Fahrenheit if necessary using chart below) and oxygen concentration that you measured. Then, using a straight edge, align the temperature with the oxygen concentration on the appropriate scales above. The percentage of saturation is found at the point where the straight edge crosses the % saturation scale. For example, 5˚C with 10 mg/L of oxygen aligns with 75% saturation, which is your answer.*

Temperature Conversion Chart

Fahrenheit	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
Celsius	.6	1.1	1.7	2.2	2.8	3.3	3.9	4.4	5	5.6	6.1	6.7	7.2	7.8	8.3	8.9	9.4	10	10.6

Fahrenheit	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
Celsius	11.1	11.7	12.2	12.8	13.3	13.9	14.4	15	15.6	16.1	16.7	17.2	17.8	18.3	18.9	19.4	20	20.6	21.1

Fahrenheit	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
Celsius	21.7	22.2	22.8	23.3	23.9	24.4	25	25.6	26.1	26.7	27.2	27.8	28.3	28.9	29.4	30	30.6	31.1	31.7

Report your results online at:
www.uwex.edu/erc/wavdb
or submit your data to your local coordinator.

For more information, call (608) 265-3887 or (608) 264-8948.
Download and print data sheets from
watermonitoring.uwex.edu/wav/monitoring/sheets.html

Recording Form for the Dissolved Oxygen, Transparency, Water Temperature and Weather

Name: _____ **Stream Sampled:** _____

Location: _____

(County, Township, Range, Section, Road, Intersection, Other)

			Dissolved Oxygen				Transparency					Water Temp.	Current Weather	
													Air Temp.	Weather Description**
Site # (if applicable)	Date	Time	No. plastic measuring tubes	No. titration drops	mg/L	% Saturation	Rep. 1 inches above target	Rep. 2 inches above target	Ave. inches above target	approximate NTU value*	Length of tube	°F / °C*	°F / °C*	

Site _____ Date _____ Weather of the past two days: _____ Current Streamside Observations/Comments: _____

Site _____ Date _____ _____ _____

Site _____ Date _____ _____ _____

Site _____ Date _____ _____ _____

Site _____ Date _____ _____ _____

*See back for conversion charts.

**Use one of these words to describe the weather: sunny, partly sunny, mostly cloudy, raining or snowing.