

Water Quality Monitoring Gap and Enhancement Project
Parameter List; 2018 -2020

PARAMETER	UNITS	SAMPLE FREQUENCY	ANALYTICAL METHOD
FIELD/ANALYZE IMMEDIATELY PARAMETERS			
Barometric Pressure	mm Hg	4 times per year	Field Measurement
Discharge/stream flow	cu.ft/sec	4 times per year	Field Measurement
Gage Height	ft	4 times per year	Manual/Visual
Oxygen, Dissolved	mg/L	4 times per year	SESDPROC-106-R3
Oxygen, Dissolved, in percent of saturation	% sat	4 times per year	SESDPROC-106-R3
pH	SU	4 times per year	Standard Methods 4500-H
Specific Conductance	us/cm	4 times per year	Standard Methods 2510-B
Temperature, Air	°C	4 times per year	Field Measurement
Temperature, Water	°C	4 times per year	Standard Methods 2550-B
Turbidity	NTRU	4 times per year	Standard Methods 2130-B
CONTINUOUS MONITORING PARAMETERS			
Oxygen, Dissolved	mg/L	TBD	SESDPROC-106-R3
Oxygen, Dissolved, in percent of saturation	% sat	TBD	SESDPROC-106-R3
pH	SU	TBD	Standard Methods 4500-H
Specific Conductance	uS/cm	TBD	Standard Methods 2510-B
Temperature, Water	°C	TBD	Standard Methods 2550-B
Turbidity	NTRU	TBD	Standard Methods 2130-B
CONVENTIONAL/NUTRIENT PARAMETERS			
Alkalinity	mg/L	4 times per year	SM2320B
Ammonia (Dissolved) (NH3)	mg/l	4 times per year	Standard Methods 4500-NH3(H)
Calcium (Dissolved)	mg/l	4 times per year	USEPA 200.7
Chloride (Dissolved)	mg/l	4 times per year	Standard Methods 4500-CL(E)
Hardness	mg/l	4 times per year	USEPA 200.7
Kjeldahl Nitrogen (Diss.) (TKN)	mg/l	4 times per year	USEPA 351.2
Kjeldahl Nitrogen (Total) (TKN)	mg/l	4 times per year	USEPA 351.2
Magnesium (Dissolved)	mg/l	4 times per year	USEPA 200.7
Nitrite plus Nitrate (NO2-NO3) (Dissolved)	mg/l	4 times per year	Standard Methods 4500-NO3(F)
Organic Carbon (Diss.) (DOC)	mg/l	4 times per year	Standard Methods 5310-C
Organic Carbon (Total) (TOC)	mg/l	4 times per year	Standard Methods 5310-C
Phosphorus (Dissolved)	mg/l	4 times per year	USEPA 365.1
Phosphorus (Total)	mg/l	4 times per year	USEPA 365.1
Potassium (Dissolved)	mg/l	4 times per year	USEPA 200.7
Sodium (Dissolved)	mg/l	4 times per year	USEPA 200.7
Sulfate (Dissolved)	mg/l	4 times per year	USEPA 375.2
Total Dissolved Solids (TDS)	mg/l	4 times per year	Standard Methods 2540-C
Total Suspended Solids (TSS)	mg/l	4 times per year	Standard Methods 2540-D
METALS PARAMETERS			
Aluminum (Total Recoverable)	ug/L	2 times per year	USEPA 200.7

Water Quality Monitoring Gap and Enhancement Project
Parameter List; 2018 -2020

Arsenic (Total Recoverable)	ug/l	2 times per year	USEPA 200.9
Cadmium (Total Recoverable)	ug/l	2 times per year	USEPA 200.8
Chromium (Total Recoverable)	ug/l	2 times per year	USEPA 200.7
Chromium, Hexavalent (Dissolved)	ug/l	4 times per year	USEPA 218.6
Copper (Total Recoverable)	ug/l	2 times per year	USEPA 200.8
Iron (Total Recoverable)	ug/l	2 times per year	USEPA 200.7
Lead (Total Recoverable)	ug/l	2 times per year	USEPA 200.9
Mercury (Total Recoverable)	ng/l	2 times per year	USEPA 1631E
Nickel (Total Recoverable)	ug/l	2 times per year	USEPA 200.8
Selenium (Total Recoverable)	ug/l	2 times per year	USEPA 200.9
Zinc (Total Recoverable)	ug/l	2 times per year	USEPA 200.8