

Appendix J: Parameters Collected in Major Studies

River Study Parameters

Long Term Trend Rivers Program Parameters	
DNR Parameter	Description
10	TEMPERATURE FIELD
20	AMBIENT AIR TEMPERATURE - FIELD
32	CLOUD COVER
94	CONDUCTIVITY FIELD
95	CONDUCTIVITY, UMHOS/CM @ 25C
300	DISSOLVED OXYGEN FIELD
301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %
310	BOD 5 DAY
400	PH FIELD
403	PH LAB
410	ALKALINITY TOTAL CaCO ₃
530	RESIDUE TOTAL NFLT (TOTAL SUSPENDED SOLIDS)
608	NITROGEN NH ₃ -N DISS
625	NITROGEN KJELDAHL TOTAL
631	NITROGEN NO ₃ +NO ₂ DISS (AS N)
665	PHOSPHORUS TOTAL
671	PHOSPHATE ORTHO DISS
899	HARDNESS TOTAL RECOVERABLE CALCULATION
918	CALCIUM TOTAL RECOVERABLE
921	MAGNESIUM TOTAL RECOVERABLE
940	CHLORIDE
955	SILICA, DISSOLVED (MG/L AS SiO ₂)
1113	CADMIUM TOTAL RECOVERABLE
1119	COPPER TOT REC
46492	TRIAZINE SCREEN
61190	TRANSPARENCY TUBE MEASUREMENT
71900	MERCURY TOTAL
82079	TURBIDITY, LAB NEPHELOMETRIC NTU
99188	E COLI COLILERT QUANTITRAY MPN
99296	PREP DIG TOTAL REC ICP-MS EPA 1638
99717	CHLOROPHYLL A, FLUORESCENCE (WELSCHMAYER 1994)

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Wastewater Compliance Monitoring	
DNR Parameter	Description
10	TEMPERATURE FIELD
95	CONDUCTIVITY, UMHOS/CM @ 25C
136	TEMPERATURE AT LAB
300	DISSOLVED OXYGEN FIELD
310	BOD 5 DAY
340	COD HI LEVEL
400	PH FIELD
403	PH LAB
410	ALKALINITY TOTAL CaCO ₃
530	RESIDUE TOTAL NFLT (TOTAL SUSPENDED SOLIDS)
608	NITROGEN NH ₃ -N DISS
610	NITROGEN NH ₃ -N TOTAL
611	NITROGEN NH ₃ -N
625	NITROGEN KJELDAHL TOTAL
627	NITROGEN KJELDAHL TOTAL
631	NITROGEN NO ₃ +NO ₂ DISS (AS N)
665	PHOSPHORUS TOTAL
668	PHOSPHORUS
671	PHOSPHATE ORTHO DISS
899	HARDNESS TOTAL RECOVERABLE CALCULATION
900	HARDNESS TOTAL CaCO ₃
916	CALCIUM TOTAL
918	CALCIUM TOTAL RECOVERABLE
921	MAGNESIUM TOTAL RECOVERABLE
927	MAGNESIUM TOTAL
929	SODIUM TOTAL
937	POTASSIUM, TOTAL
940	CHLORIDE
1003	ARSENIC
1008	BARIUM
1027	CADMIUM TOTAL
1028	CADMIUM
1029	CHROMIUM
1042	COPPER TOTAL
1043	COPPER
1045	IRON TOTAL
1051	LEAD
1052	LEAD
1067	NICKEL, TOTAL
1068	NICKEL

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Long-Term Trend Wadeable Reference Streams	
DNR Parameter	Description
1074	NICKEL, TOTAL RECOVERABLE
1078	SILVER
1092	ZINC TOTAL
1094	ZINC TOTAL REC
1099	ZINC DIG
1105	ALUMINUM TOTAL
1113	CADMIUM TOTAL RECOVERABLE
1114	LEAD TOTAL REC
1119	COPPER TOT REC
1123	MANGANESE, TOTAL RECOVERABLE
1148	SELENIUM
31613	COLIFORM FECAL, MEMBRANE FILTER, MFC AGAR
31679	FECAL STREPTOCOCCI, MEMBRANE FILTER, KF AGAR
61509	ZINC
70318	SOLIDS PERCENT
71921	MERCURY
99197	TURBIDITY METALS SCREENING
99393	PREP DIG SOLIDS 750.1 SW846 3050B
99404	DIG TOTAL REC SW846 3005A
99405	DIG 730.1 ICP SW846 3010A
99406	DIG TOTAL REC AA FURN SM3030E
99407	DIG 740.1 FURNACE SW846 3020A

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<i>National Rivers and Streams Assessment (NRSA)</i>	
DNR Parameter	Description
10	TEMPERATURE FIELD
32	CLOUD COVER
78	SECCHI DEPTH
80	COLOR
94	CONDUCTIVITY FIELD
95	CONDUCTIVITY, UMHOS/CM @ 25C
300	DISSOLVED OXYGEN FIELD
301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %
400	PH FIELD
403	PH LAB
410	ALKALINITY TOTAL CaCO ₃
530	RESIDUE TOTAL NFLT (TOTAL SUSPENDED SOLIDS)
600	NITROGEN TOTAL
608	NITROGEN NH ₃ -N DISS
631	NITROGEN NO ₃ +NO ₂ DISS (AS N)
665	PHOSPHORUS TOTAL
681	CARBON DISS ORGANIC
918	CALCIUM TOTAL RECOVERABLE
921	MAGNESIUM TOTAL RECOVERABLE
923	SODIUM TOTAL RECOVERABLE
940	CHLORIDE
941	CHLORIDE DISS
945	SULFATE TOTAL
946	SULFATE DISS
955	SILICA, DISSOLVED (MG/L AS SiO ₂)
49701	SECCHI DEPTH - FEET
50245	POTASSIUM TOTAL RECOVERABLE
70957	CHLOROPHYLL-A, PERIPHYTON
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO ₃)
82079	TURBIDITY, LAB NEPHELOMETRIC NTU
98163	PERIPHYTON ASH-FREE BIOMASS/25ML
98437	MICROCYSTIN
99420	SECCHI DEPTH HIT BOTTOM
99717	CHLOROPHYLL A, FLUORESCENCE (WELSCHMAYER 1994)

Biotic Integrity River Sites

Core Water Quality Indicators

Core indicators of the Biotic Index Rivers program are specifically limited to these water quality parameters:

- Dissolved oxygen
- Temperature
- pH
- Conductivity
- Total Phosphorus
- Ammonia N
- Total Kjeldahl N
- Nitrite+nitrate N
- Chlorophyll *a*
- Turbidity
- *E. coli*

Supplemental Water Quality Indicators

- Alkalinity
- Conductivity
- Total Kjeldahl Nitrogen
- Dissolved Phosphorus
- Total Suspended Solids
- Chloride
- Hardness
- Total Rec. Low Level
- Metals (11+Hg)

Streams Study Parameters

- Wadeable Trend Reference Streams
- Natural Community Stratified Random Monitoring Program
- Targeted Watershed Approach
- Water Action Volunteers - Stream Monitoring
- Stream Baseflow Monitoring

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Wadeable Trend Parameters – Long Term Trend

DNR Parameter	Description
95	CONDUCTIVITY, UMHOS/CM @ 25C
136	TEMPERATURE AT LAB
403	PH LAB
410	ALKALINITY TOTAL CaCO ₃
530	RESIDUE TOTAL NFLT (TOTAL SUSPENDED SOLIDS)
600	NITROGEN TOTAL
608	NITROGEN NH ₃ -N DISS
625	NITROGEN KJELDAHL TOTAL
631	NITROGEN NO ₃ +NO ₂ DISS (AS N)
665	PHOSPHORUS TOTAL
940	CHLORIDE
4160	Percent Sample Sorted
50002	PLECOPTERA CAPNIIDAE ALLOCAPNIA
50016	PLECOPTERA CAPNIIDAE PARACAPNIA ANGULATA
50045	PLECOPTERA NEMOURIDAE NEMOURA TRISPINOSA
50054	PLECOPTERA PERLIDAE ACRONEURIA
50066	PLECOPTERA PERLIDAE PARAGNETINA MEDIA
50088	PLECOPTERA PERLODIDAE ISOPERLA
50093	PLECOPTERA PERLODIDAE ISOPERLA LATA
50097	PLECOPTERA PERLODIDAE ISOPERLA SIGNATA
50098	PLECOPTERA PERLODIDAE ISOPERLA SLOSSONAE
50099	PLECOPTERA PERLODIDAE ISOPERLA TRANSMARINA
50101	PLECOPTERA PERLODIDAE CLIOPERLA CLIO
50103	PLECOPTERA PTERONARCYIDAE PTERONARCYS
50111	PLECOPTERA TAENIOPTERYGIDAE TAENIOPTERYX
50113	PLECOPTERA TAENIOPTERYGIDAE TAENIOPTERYX NIVALIS
50116	EPHEMEROPTERA BAETIDAE
50117	EPHEMEROPTERA BAETIDAE BAETIS
50118	EPHEMEROPTERA BAETIDAE BAETIS BRUNNEICOLOR
50120	EPHEMEROPTERA BAETIDAE BAETIS INTERCALARIS
50124	EPHEMEROPTERA BAETIDAE BAETIS TRICAUDATUS
50145	EPHEMEROPTERA BAETIDAE ACERPENNA PYGMAEA
50149	EPHEMEROPTERA BAETIDAE DIPHETOR HAGENI
50183	EPHEMEROPTERA CAENIDAE CAENIS
50184	EPHEMEROPTERA CAENIDAE CAENIS ANCEPS
50185	EPHEMEROPTERA CAENIDAE CAENIS HILARIS
50189	EPHEMEROPTERA CAENIDAE CAENIS LATIPENNIS
50205	EPHEMEROPTERA EPHEMERELLIDAE EPHEMERELLA
50209	EPHEMEROPTERA EPHEMERELLIDAE EPHEMERELLA INVARIATA
50211	EPHEMEROPTERA EPHEMERELLIDAE EPHEMERELLA SUBVARIATA

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50243	EPHEMEROPTERA HEPTAGENIIDAE
50247	EPHEMEROPTERA HEPTAGENIIDAE EPEORUS VITREUS
50252	EPHEMEROPTERA HEPTAGENIIDAE RHITHROGENA
50258	EPHEMEROPTERA HEPTAGENIIDAE STENACRON INTERPUNCTATUM
50259	EPHEMEROPTERA HEPTAGENIIDAE MACCAFFERTIUM
50263	EPHEMEROPTERA HEPTAGENIIDAE MACCAFFERTIUM MEDIOPUNCTATUM
50279	EPHEMEROPTERA HEPTAGENIIDAE LEUCROCUTA
50286	EPHEMEROPTERA LEPTOPHLEBIIDAE
50288	EPHEMEROPTERA LEPTOPHLEBIIDAE LEPTOPHLEBIA CUPIDA
50290	EPHEMEROPTERA LEPTOPHLEBIIDAE PARALEPTOPHLEBIA
50295	EPHEMEROPTERA LEPTOPHLEBIIDAE PARALEPTOPHLEBIA MOLLIS
50297	EPHEMEROPTERA LEPTOPHLEBIIDAE PARALEPTOPHLEBIA PRAEPEDITA
50334	EPHEMEROPTERA LEPTOHYPHIDAE TRICORYTHODES
50351	EPHEMEROPTERA ISONYCHIIDAE ISONYCHIA
50397	ODONATA CALOPTERYGIDAE
50398	ODONATA CALOPTERYGIDAE CALOPTERYX
50400	ODONATA CALOPTERYGIDAE CALOPTERYX MACULATA
50407	ODONATA COENAGRIONIDAE ARGIA
50454	ODONATA CORDULEGASTRIDAE CORDULEGASTER
50455	ODONATA CORDULEGASTRIDAE CORDULEGASTER MACULATA
50615	TRICHOPTERA
50621	TRICHOPTERA BRACHYCENTRIDAE BRACHYCENTRUS AMERICANUS
50623	TRICHOPTERA BRACHYCENTRIDAE BRACHYCENTRUS NUMEROSUS
50624	TRICHOPTERA BRACHYCENTRIDAE BRACHYCENTRUS OCCIDENTALIS
50629	TRICHOPTERA BRACHYCENTRIDAE MICRASEMA GELIDUM
50639	TRICHOPTERA GLOSSOSOMATIDAE GLOSSOSOMA
50640	TRICHOPTERA GLOSSOSOMATIDAE GLOSSOSOMA INTERMEDIUM
50641	TRICHOPTERA GLOSSOSOMATIDAE GLOSSOSOMA NIGRIOR
50642	TRICHOPTERA GLOSSOSOMATIDAE GLOSSOSOMA -- PUPA
50643	TRICHOPTERA GLOSSOSOMATIDAE PROTOPTILA
50652	TRICHOPTERA HELICOPSYCHIDAE HELICOPSYCHE BOREALIS
50654	TRICHOPTERA HYDROPSYCHIDAE
50655	TRICHOPTERA HYDROPSYCHIDAE CHEUMATOPSYCHE
50667	TRICHOPTERA HYDROPSYCHIDAE HYDROPSYCHE
50668	TRICHOPTERA HYDROPSYCHIDAE HYDROPSYCHE BETTENI
50695	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE
50696	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE ALHEDRA
50697	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE ALTERNANS
50698	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE BRONTA
50699	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE MOROSA BIFIDA FORM SCHMUDE, HILSENHOFF 1986
50701	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE SLOSSONAE

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50702	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE SPARNA
50711	TRICHOPTERA HYDROPTILIDAE
50715	TRICHOPTERA HYDROPTILIDAE HYDROPTILA
50743	TRICHOPTERA HYDROPTILIDAE LEUCOTRICHIA PICTIPES
50778	TRICHOPTERA HYDROPTILIDAE -- PUPA
50781	TRICHOPTERA LEPIDOSTOMATIDAE LEPIDOSTOMA
50795	TRICHOPTERA LEPTOCERIDAE CERACLEA
50821	TRICHOPTERA LEPTOCERIDAE MYSTACIDES
50831	TRICHOPTERA LEPTOCERIDAE OECETIS
50832	TRICHOPTERA LEPTOCERIDAE OECETIS AVARA
50843	TRICHOPTERA LEPTOCERIDAE TRIAENODES
50859	TRICHOPTERA LIMNephilidae
50860	TRICHOPTERA LIMNephilidae ANABOLIA
50871	TRICHOPTERA LIMNephilidae HESPEROPHYLAX DESIGNATUS
50877	TRICHOPTERA LIMNephilidae LIMNephilus
50911	TRICHOPTERA LIMNephilidae PYCNOPSYCHE
50936	TRICHOPTERA LIMNephilidae -- PUPA
50950	TRICHOPTERA PHILOPOTAMIDAE
50951	TRICHOPTERA PHILOPOTAMIDAE CHIMARRA
50952	TRICHOPTERA PHILOPOTAMIDAE CHIMARRA ATERRIMA
50954	TRICHOPTERA PHILOPOTAMIDAE CHIMARRA OBSCURA
50957	TRICHOPTERA PHILOPOTAMIDAE DOLOPHILODES DISTINCTUS
50959	TRICHOPTERA PHILOPOTAMIDAE WORMALDIA MOESTA
50994	TRICHOPTERA POLYCENTROPODIDAE NEURECLIPSIS
51019	TRICHOPTERA POLYCENTROPODIDAE NYCTIOPHYLAX
51028	TRICHOPTERA PSYCHOMYIIDAE LYPE DIVERSA
51030	TRICHOPTERA PSYCHOMYIIDAE PSYCHOMYIA FLAVIDA
51033	TRICHOPTERA RHYACOPHILIDAE RHYACOPHILA
51034	TRICHOPTERA RHYACOPHILIDAE RHYACOPHILA FUSCULA
51035	TRICHOPTERA RHYACOPHILIDAE RHYACOPHILA VIBOX
51038	TRICHOPTERA RHYACOPHILIDAE RHYACOPHILA MAINENSIS
51052	TRICHOPTERA GOERIDAE GOERA STYLATA
51054	TRICHOPTERA UENOIDAE NEOPHYLAX
51070	MEGALOPTERA CORYDALIDAE NIGRONIA SERRICORNIS
51074	MEGALOPTERA SIALIDAE SIALIS
51132	COLEOPTERA ELMIDAE DUBIRAPHIA
51135	COLEOPTERA ELMIDAE DUBIRAPHIA QUADRINOTATA
51139	COLEOPTERA ELMIDAE MACRONYCHUS GLABRATUS
51142	COLEOPTERA ELMIDAE OPTIOSERVUS
51143	COLEOPTERA ELMIDAE OPTIOSERVUS FASTIDITUS
51144	COLEOPTERA ELMIDAE OPTIOSERVUS TRIVITTATUS
51145	COLEOPTERA ELMIDAE STENELMIS

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51146	COLEOPTERA ELMIDAE STENELMIS CRENATA
51179	COLEOPTERA GYRINIDAE GYRINUS LECONTEI
51197	COLEOPTERA PSEPHENIDAE ECTOPRIA LEECHI/NERVOSA SNITGEN PERS. COMM.
51199	COLEOPTERA PSEPHENIDAE PSEPHENUS HERRICKI
51202	COLEOPTERA DYTISCIDAE LIODESSUS AFFINIS
51461	COLEOPTERA HYDRAENIDAE HYDRAENA
51714	DIPTERA ATHERICIDAE ATHERIX VARIEGATA
51740	DIPTERA CERATOPOGONIDAE BEZZIA/PALPOMYIA HILSENHOFF 1995
51741	DIPTERA CERATOPOGONIDAE CULICOIDES
51792	DIPTERA CERATOPOGONIDAE PROBEZZIA
51815	DIPTERA CERATOPOGONIDAE MALLOCHOHELEA
51831	DIPTERA CERATOPOGONIDAE DASYHELEA
51873	DIPTERA EMPIDIDAE CLINOCERA
51874	DIPTERA EMPIDIDAE HEMERODROMIA
51879	DIPTERA EMPIDIDAE NEOPLASTA
51888	DIPTERA EMPIDIDAE -- PUPA
51907	DIPTERA PSYCHODIDAE PERICOMA
51928	DIPTERA SIMULIIDAE SIMULIUM
51941	DIPTERA SIMULIIDAE SIMULIUM TUBEROSUM "COMPLEX"
51942	DIPTERA SIMULIIDAE SIMULIUM VENUSTUM "COMPLEX"
51944	DIPTERA SIMULIIDAE SIMULIUM VITTATUM "COMPLEX"
51945	DIPTERA SIMULIIDAE SIMULIUM VITTATUM "COMPLEX"
51960	DIPTERA SIMULIIDAE SIMULIUM LONGISTYLATUM
51961	DIPTERA SIMULIIDAE SIMULIUM FIBRINFLATUM
51962	DIPTERA SIMULIIDAE SIMULIUM -- PUPA
52034	DIPTERA TABANIDAE CHRYSOPS
52071	DIPTERA TIPULIDAE
52072	DIPTERA TIPULIDAE ANTOCHA
52076	DIPTERA TIPULIDAE DICRANOTA
52100	DIPTERA TIPULIDAE HELIUS
52104	DIPTERA TIPULIDAE HESPEROCONOPA DOLICHOPHALLUS
52135	DIPTERA TIPULIDAE PSEUDOLIMNOPHILA
52140	DIPTERA TIPULIDAE TIPULA
52317	DIPTERA PTYCHOPTERIDAE PTYCHOPTERA
52400	DIPTERA CHIRONOMIDAE
52409	DIPTERA TANYPODINAE 0
52439	DIPTERA TANYPODINAE 0 CONCHAPELOPIA
52461	DIPTERA TANYPODINAE 0 LABRUNDINIA PILOSELLA
52464	DIPTERA TANYPODINAE 0 LARSIA
52478	DIPTERA TANYPODINAE 0 NATARSIA BALTIMOREA
52482	DIPTERA TANYPODINAE 0 NILOTANYPUS
52489	DIPTERA TANYPODINAE 0 PROCLADIUS

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52491	DIPTERA TANYPODINAE 0 PROCLADIUS (HOLOTANYPUS)
52531	DIPTERA TANYPODINAE 0 ZAVRELIMYIA
52539	DIPTERA TANYPODINAE 0 PARAMERINA
52543	DIPTERA DIAMESINAE 2 DIAMESA
52547	DIPTERA DIAMESINAE 2 DIAMESA -- PUPA
52548	DIPTERA DIAMESINAE 2 PAGASTIA
52552	DIPTERA DIAMESINAE 2 PAGASTIA -- PUPA
52580	DIPTERA PRODIAMESINAE 3 PRODIAMESA OLIVACEA
52581	DIPTERA ORTHOCLADIINAE 1
52582	DIPTERA ORTHOCLADIINAE 1
52591	DIPTERA ORTHOCLADIINAE 1 BRILLIA FLAVIFRONS
52601	DIPTERA ORTHOCLADIINAE 1 CHAETOCLADIUS
52603	DIPTERA ORTHOCLADIINAE 1 PARAKIEFFERIELLA
52607	DIPTERA ORTHOCLADIINAE 1 LOPESCLADIUS
52609	DIPTERA ORTHOCLADIINAE 1 CORYNONEURA
52614	DIPTERA ORTHOCLADIINAE 1 CORYNONEURA -- PUPA
52615	DIPTERA ORTHOCLADIINAE 1 CRICOTOPUS (CRICOTOPUS)
52623	DIPTERA ORTHOCLADIINAE 1 CRICOTOPUS -- PUPA
52640	DIPTERA ORTHOCLADIINAE 1 EUKIEFFERIELLA
52641	DIPTERA ORTHOCLADIINAE 1 EUKIEFFERIELLA BREHMI GROUP CRANSTON ET AL. 1983
52642	DIPTERA ORTHOCLADIINAE 1 EUKIEFFERIELLA CLARIPENNIS GROUP CRANSTON ET AL. 1983
52645	DIPTERA ORTHOCLADIINAE 1 EUKIEFFERIELLA DEVONICA GROUP CRANSTON ET AL. 1983
52646	DIPTERA ORTHOCLADIINAE 1 EUKIEFFERIELLA GRACEI GROUP CRANSTON ET AL. 1983
52648	DIPTERA ORTHOCLADIINAE 1 EUKIEFFERIELLA -- PUPA
52668	DIPTERA ORTHOCLADIINAE 1 HYDROBAENUS
52677	DIPTERA ORTHOCLADIINAE 1 LIMNOPHYES
52698	DIPTERA ORTHOCLADIINAE 1 NANOCLADIUS (NANOCLADIUS) SPINIPLINUS
52712	DIPTERA ORTHOCLADIINAE 1 ORTHOCLADIUS (ORTHOCLADIUS)
52716	DIPTERA ORTHOCLADIINAE 1 PARACHAETOCLADIUS
52721	DIPTERA ORTHOCLADIINAE 1 PARAKIEFFERIELLA -- PUPA
52722	DIPTERA ORTHOCLADIINAE 1 PARAMETRIOCNEMUS
52724	DIPTERA ORTHOCLADIINAE 1 PARAMETRIOCNEMUS -- PUPA
52729	DIPTERA ORTHOCLADIINAE 1 NANOCLADIUS (PLECOPTERACOLUTHUS) -- PUPA
52754	DIPTERA ORTHOCLADIINAE 1 RHEOSMITTIA
52763	DIPTERA ORTHOCLADIINAE 1 ORTHOCLADIUS (SYMPOSIOLADIUS) LIGNICOLA
52765	DIPTERA ORTHOCLADIINAE 1 SYNORTHOCALDIUS
52767	DIPTERA ORTHOCLADIINAE 1 THIENEMANNIELLA
52770	DIPTERA ORTHOCLADIINAE 1 TVETENIA BAVARICA GROUP BODE 1983
52772	DIPTERA ORTHOCLADIINAE 1 TVETENIA -- PUPA
52774	DIPTERA ORTHOCLADIINAE 1 XYLOTOPUS PAR
52784	DIPTERA CHIRONOMINAE 4
52785	DIPTERA CHIRONOMINAE 4

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52787	DIPTERA CHIRONOMINAE 4 CLADOTANYTARSUS
52806	DIPTERA CHIRONOMINAE 4 MICROPSECTRA
52808	DIPTERA CHIRONOMINAE 4 MICROPSECTRA -- PUPA
52809	DIPTERA CHIRONOMINAE 4 PARATANYTARSUS
52811	DIPTERA CHIRONOMINAE 4 PARATANYTARSUS SPECIES B HILSENHOFF, UNPUBL.
52812	DIPTERA CHIRONOMINAE 4 PARATANYTARSUS -- PUPA
52813	DIPTERA CHIRONOMINAE 4 RHEOTANYTARSUS
52820	DIPTERA CHIRONOMINAE 4 STEMPELLINELLA
52822	DIPTERA CHIRONOMINAE 4 TANYTARSUS
52823	DIPTERA CHIRONOMINAE 4 TANYTARSUS -- PUPA
52855	DIPTERA CHIRONOMINAE 4 CRYPTOCHIRONOMUS
52863	DIPTERA CHIRONOMINAE 4 CRYPTOTENDIPES
52885	DIPTERA CHIRONOMINAE 4 DICROTENDIPES
52897	DIPTERA CHIRONOMINAE 4 DICROTENDIPES -- PUPA
52943	DIPTERA CHIRONOMINAE 4 MICROTENDIPES PEDELLUS GROUP PINDER, REISS 1983
52944	DIPTERA CHIRONOMINAE 4 MICROTENDIPES RYDALENSIS GROUP PINDER, REISS 1983
52959	DIPTERA CHIRONOMINAE 4 PARACLADOPELMA
52977	DIPTERA CHIRONOMINAE 4 PARATENDIPES
52979	DIPTERA CHIRONOMINAE 4 PHAENOPSECTRA
53041	DIPTERA CHIRONOMINAE 4 STICTOCHIRONOMUS
53062	AMPHIPODA GAMMARIDAE GAMMARUS PSEUDOLIMNAEUS
53068	AMPHIPODA HYALELLIDAE HYALELLA
53072	ISOPODA ASELLIDAE CAECIDOTEA
53073	ISOPODA ASELLIDAE CAECIDOTEA INTERMEDIA
53074	ISOPODA ASELLIDAE CAECIDOTEA RACOVITZAI RACOVITZAI
53083	TROMBIDIFORMES LEBERTIIDAE LEBERTIA
53088	TROMBIDIFORMES SPERCHONIDAE
53091	TROMBIDIFORMES UNIONICOLIDAE NEUMANIA
53092	MERMITHIDA
53093	TRICLADIDA
53095	BASOMMATOPHORA ANCYLIDAE
53096	BASOMMATOPHORA ANCYLIDAE FERRISSIA
53111	BASOMMATOPHORA PHYSIDAE PHYSIA
53113	BASOMMATOPHORA PLANORBIDAE GYRAULUS
53130	BASOMMATOPHORA LYMNAEIDAE FOSSARIA
53143	NEOTAENIOGLOSSA HYDROBIIDAE
53146	VENEROIDA PISIDIIDAE
53153	VENEROIDA PISIDIIDAE SPHAERIUM
53163	VENEROIDA PISIDIIDAE PISIDIUM
53300	HAPLOTAXIDA NAIDIDAE
53301	HAPLOTAXIDA TUBIFICIDAE
53310	ARHYNCHOBDELLIDA ERPOBDELLIDAE

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53315	ARHYNCHOBDELLIDA ERPOBDELLIDAE DINA PARVA
53322	RHYNCHOBDELLIDA GLOSSIPHONIIDAE
53338	RHYNCHOBDELLIDA GLOSSIPHONIIDAE GLOSSIPHONIA COMPLANATA
53433	HEMIPTERA CORIXIDAE
53485	HEMIPTERA CORIXIDAE SIGARA MATHESONI
53551	DIPLOSTRACA DAPHNIIDAE
54403	DIPTERA DIAMESINAE 2 POTTHASTIA LONGIMANA
54420	DIPTERA ORTHOCLADIINAE 1 CRICOTOPUS (CRICOTOPUS) BICINCTUS
54430	DIPTERA ORTHOCLADIINAE 1 CRICOTOPUS (CRICOTOPUS) ANNULATOR "COMPLEX" EPLER 2001
54473	DIPTERA ORTHOCLADIINAE 1 NANOCLADIUS (PLECOPTERACOLUTHUS) SPECIES #5 JACOBSEN IN PRESS
54492	DIPTERA ORTHOCLADIINAE 1 ORTHOCLADIUS (ORTHOCLADIUS) FRIGIDUS
54501	DIPTERA ORTHOCLADIINAE 1 ORTHOCLADIUS (ORTHOCLADIUS) VAILLANTI
54557	DIPTERA ORTHOCLADIINAE 1 RHEOCRICOTOPUS ROBACKI
54584	DIPTERA ORTHOCLADIINAE 1 CRICOTOPUS/ORTHOCLADIUS FERRINGTON ET AL. 2008
54587	DIPTERA CHIRONOMINAE 4 RHEOTANYTARSUS EXIGUUS GROUP EPLER 2001
54605	DIPTERA CHIRONOMINAE 4 CHIRONOMUS
54681	DIPTERA CHIRONOMINAE 4 POLYPEDILUM
54682	DIPTERA CHIRONOMINAE 4 POLYPEDILUM -- PUPA
54693	DIPTERA CHIRONOMINAE 4 POLYPEDILUM (PENTAPEDILUM) SPECIES A EPLER 2001
54713	DIPTERA CHIRONOMINAE 4 POLYPEDILUM (POLYPEDILUM) ILLINOENSE GROUP EPLER 2001
54725	DIPTERA CHIRONOMINAE 4 POLYPEDILUM (TRIPODURA) HALTERALE GROUP EPLER 2001
54726	DIPTERA CHIRONOMINAE 4 POLYPEDILUM (TRIPODURA) SCALAENUM GROUP EPLER 2001
54729	DIPTERA CHIRONOMINAE 4 POLYPEDILUM (URESIPEDILUM) AVICEPS
54730	DIPTERA CHIRONOMINAE 4 POLYPEDILUM (URESIPEDILUM) FLAVUM
54732	DIPTERA CHIRONOMINAE 4 STENOCHIRONOMUS
54776	DIPTERA TANYPODINAE 0 THIENEMANNIMYIA GROUP
54780	DIPTERA ORTHOCLADIINAE 1 NANOCLADIUS (NANOCLADIUS) CRASSICORNUS/cf. RECTINERVIS EPLER 2001
54791	HAPLOTAXIDA LUMBRICIDAE
54799	DIPTERA ORTHOCLADIINAE 1 HELENIELLA
54823	TRICHOPTERA HYDROPSYCHIDAE CERATOPSYCHE -- PUPA
54826	TROMBIDIFORMES HYGROBATIDAE HYGROBATES
54827	EPEMEROPTERA HEPTAGENIIDAE MACCAFFERTIUM VICARIUM/LUTEUM DIMICK, UNPUBL.
54878	HAPLOTAXIDA NAIDIDAE STYLARIA FOSSULARIS
54879	TROMBIDIFORMES HYGROBATIDAE ATRACTIDES
54943	TROMBIDIFORMES HYDRODROMIDAE HYDRODROMA
55060	BASOMMATOPHORA PHYSIDAE PHYSELLA
56097	DIPTERA SIMULIIDAE SIMULIUM FIBRINFLATUM/JENNINGSI/LUGGERI SCHMUDE UNPUBL.
56129	EPEMEROPTERA BAETIDAE BAETIS FLAVISTRIGA GROUP
56276	BASOMMATOPHORA PHYSIDAE HAITIA ACUTA
56290	NEOTAENIOGLOSSA HYDROBIIDAE AMNICOLA LIMOSUS

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56341	DIPTERA SIMULIIDAE SIMULIUM BRACTEATUM
56354	DIPTERA CHIRONOMINAE 4 PARATANYTARSUS LONGISTYLUS
56545	Simulium jenningsi Species Group
56546	Haplotaxida Tubificinae (without hairs)
56547	Haplotaxida Tubificinae (with hairs)
82079	TURBIDITY, LAB NEPHELOMETRIC NTU
99530	SUSPENDED SEDIMENT
99717	CHLOROPHYLL A, FLUORESCENCE (WELSCHMAYER 1994)

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Citizen Lake Monitoring Networ (CLMN)

DNR Parameter	Description
49701	SECCHI DEPTH - FEET
90000	WATER COLUMN APPEARANCE
90001	WATER COLOR (VISUAL)
90002	USER PERCEPTION OF WATER QUALITY
90003	WATER LEVEL (VISUAL)
99420	SECCHI DEPTH HIT BOTTOM