# State Priorities Definition for WQ-27

## About this file:

**What this template is:** This template is to be used by states to define their WQ-27 priorities. It can be used in conjunction with or instead of submitting GIS shapefiles.
Upon submitting this template, EPA will review and process the data and will provide a file for the state to review and verify.

**Who should use this template:** Any state that does not have GIS data that defines their priorities must use this template. Any state that has GIS data but needs to refine that data by causes and/or uses shou
enter the causes/uses.

**Basic Excel help:** To access a drop-down list within a specific cell, select the cell. You should see a "down arrow" icon appear on the right side of the cell. Click the arrow icon to see the list of va

**Please do not merge cells or concatentate data into a single cell (e.g. do not list more than one cause of impairment in a single cell).**

## Instructions for filling out the worksheet tabs:

### State Information

**Step 1:** Select your state from the State drop-down list. This field is REQUIRED.

**Note**: After you select a state, a list of the causes and uses used by that state in their most recent ATTAINS cycle will appear at the bottom of the page. **If you are defining pric**
**and/or uses, please make sure that the cause and/or use names that you enter exactly match the cause and use names in these lists (e.g., if you copy and paste from a sepa**

**Step 2:** Select the baseline cycle for your priorities. All priorities must have the same baseline cycle. The baseline cycle should be the most recent cycle for which you have IR (or 303(d
field is REQUIRED.

**Step 3:** The default goal cycle is 2022. You should only change this if advised to do so by EPA.

**Step 4:** Enter a contact name. If this field is left blank, EPA will assume that the person sending the template to HQ is the contact person.

**Step 5:** Enter a contact email. If this field is left blank, EPA will assume the email address of the person sending the template to HQ is the contact email address.

**Step 6:** *Are you submitting WQ-27 GIS data to further refine the priorities defined here?* This field is REQUIRED.

* If you are submitting WQ-27 GIS data to help define your priorities, select "Yes".
* Otherwise, select "No".

**Step 7:** *If you are defining one or more of your priorities by HUC or other polygon, how should EPA process them?* This field is REQUIRED.

* If you are not using HUCs or other polygons to define your priorities, select "Not applicable".
* If you are using HUCs or other polygons to define your priorities, the default procedure will be for EPA to identify within those HUCs or other polygons only the assessment u
state's 303(d) list in the baseline cycle.
  - If that is how you want the priority universe to be defined, select "Default processing".
  - If you want EPA to include ALL assessment units in the HUC or other polygon, impaired or not, select "Include supporting AUs".

**Reference Info** After a state is selected, the following pieces of information appear at the bottom of the page:

* A link to the ATTAINS state report for that state. If you are not sure which Assessment Unit IDs were used for ATTAINS reporting for your baseline cycle, you can visit this rep

your data in ATTAINS.
* The Causes and Uses that were used by that state in the most recent data submission to ATTAINS (at the time this template was created). These Causes and Uses also appea
the drop-down lists in the Cause Name and Use Desc columns on the WQ-27 Priorities worksheet. If you are using Causes and/or Uses to define your priorities, in almost all ca

should ensure you are using the same Cause or Use terminology.

## WQ-27 Priorities

**Each column is optional. You can fill in more than one column per row, per the instructions below.**
**Please do not merge cells or concatentate data into a single cell (e.g. do not list more than one cause of impairment in a single cell).**

**Priority ID** If you have multiple priorities and you would like to group them by a user-defined priority ID, you may use this column to do so. This field is OPTIONAL.

**HUC** If you are using HUCs to define your priorities, enter them in this column. You may use any size HUC you'd like (HUC8, HUC12, HUC14, etc.). This field is OPTIONAL.

**Assessment Unit ID** If you are using Assessment Unit IDs to define your priorities, enter them in this column. Please ensure that the Assessment Unit IDs you enter exactly match the Assessment
ATTAINS for your baseline cycle. If your priorities also includes Causes and/or Uses and an Assessment Unit ID has more than one Cause or Use in your priorities, enter each As
and/or Assessment Unit/Use combination on a separate row. This field is OPTIONAL.

**Cause Name** If you are using Causes to define your priorities, enter them in this column. For any row that contains a Cause name but no HUC or Assessment Unit ID, EPA will assume that al
the baseline cycle (OR, if you answered "Yes" in Step 6 above, all Causes on 303(d)-listed waters found in the GIS priority submission) that are impaired for the specified Cause
universe. When selecting any cell in the Cause Name column, a drop-down list of valid Causes for the current state will appear. In almost all cases, you should select a valid Cau
list. PLEASE DO NOT ENTER MORE THAN ONE CAUSE PER ROW.

**Use Desc** If you are using Uses to define your priorities, enter them in this column. For any row that contains a Use name but no HUC or Assessment Unit ID, EPA will assume that all wa
specified Use in the baseline cycle (OR, if you answered "Yes" in Step 6 above, all Uses on waters found in the GIS priority submission) should go into the priority universe. Wh
Use Desc column, a drop-down list of valid Uses for the current state will appear. In almost all cases, you should select a valid Use from this drop-down list. This field is OPTION
used by states that submitted integrated reporting (IR) data to ATTAINS in the baseline cycle. PLEASE DO NOT ENTER MORE THAN ONE USE PER ROW.

## WQ-27 Priorities - EXAMPLES

See this page for examples on how to populate the WQ-27 Priorities tab.

| | | |
|---|---|---|
| Step 1: | State: | AZ |
| Step 2: | Baseline Cycle: | 2010 |
| Step 3: | Goal Cycle: | 2022 |
| Step 4: | Contact Name: | |
| Step 5: | Contact Email: | |
| Step 6: | Are you submitting WQ-27 GIS data to further refine the priorities defined here? | Yes |
| Step 7: | If you are defining one or more of our priorities by HUC or other polygon, how should EPA process them? | Include supporting AUs |

**Reference Info**

**ATTAINS State Report URL**

After you select a state, a link to the states's ATTAINS state report will appear here:

**Available Causes and Uses for the Selected State**

After you select a state, a list of the causes and uses used by that state in their most recent
make sure that the cause and/or use names that you select exactly match the cause and us

**AVAILABLE CAUSES FOR AZ**

AMMONIA, UN-IONIZED
AQUATIC PLANTS - NATIVE
ARSENIC
BERYLLIUM
BORON
CADMIUM
CHLORDANE
CHLORINE
COPPER
DDT
DISSOLVED OXYGEN
ESCHERICHIA COLI (E. COLI)
LEAD
MERCURY IN FISH TISSUE
NITROGEN, TOTAL
PH
PHOSPHORUS, ELEMENTAL
PHOSPHORUS, TOTAL
SEDIMENTATION/SILTATION
SELENIUM
TOXAPHENE
ZINC

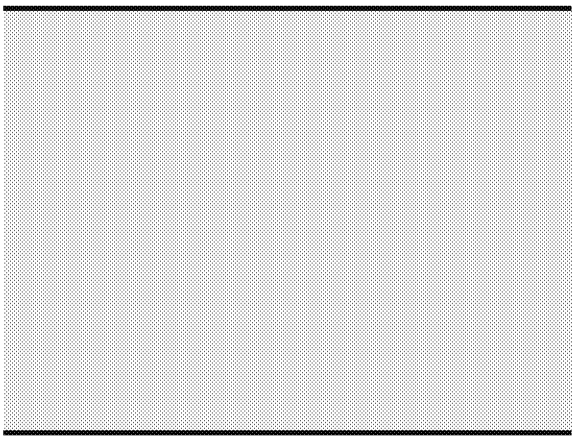
*Please select a state from drop-down.This field is REQUIRED.*
*Please select a baseline cycle from drop-down. You should select the most recent IR cycle for which you have data in ATTAINS. This field is REQUIRED.*
*The default goal cycle is 2022. You should only change this if advised to do so by EPA. This field is REQUIRED.*
*This field is optional.*
*This field is optional.*
*Please select Yes or No from drop-down.This field is REQUIRED.*

*Please select a response from drop-down. See Instructions tab for more help. This field is REQUIRED.*

http://ofmpub.epa.gov/waters10/attains_state.control?p_state=AZ

ATTAINS cycle will appear at the bottom of this page. If you are defining priorities based on causes and/or uses, please e names in these lists.

**AVAILABLE USES FOR AZ***
AGRICULTURAL IRRIGATION
AGRICULTURAL LIVESTOCK WATERING
AQUATIC AND WILDLIFE (COLDWATER FISHERY)
AQUATIC AND WILDLIFE (EFFLUENT DEPENDENT WATER)
AQUATIC AND WILDLIFE (EPHEMERAL)
AQUATIC AND WILDLIFE (WARMWATER FISHERY)
DOMESTIC WATER SOURCE
FISH CONSUMPTION
FULL BODY CONTACT
PARTIAL BODY CONTACT



* USES ARE ONLY ALLOWED FOR IR STATES

| EPA Priority ID | EPA HUC | EPA Assessment Unit ID | EPA Cause Name |
|---|---|---|---|
| San Pedro | | 15050202-003 | ESCHERICHIA COLI (E. COLI) |
| | | 15050202-006 | ESCHERICHIA COLI (E. COLI) |
| | | 15050202-008 | ESCHERICHIA COLI (E. COLI) |
| Middle Gila | | 15070101-008 | SELENIUM |
| | | 15070101-008 | BORON |
| Pinto | | 15060103-885 | COPPER |
| | | 15060103-887 | COPPER |
| | | 15060103-018C | COPPER |
| | | 15060103-018A | COPPER |
| | | 15060103-018B | COPPER |
| Granite | | 15060202-059A | ESCHERICHIA COLI (E. COLI) |
| | | 15060202-059A | ESCHERICHIA COLI (E. COLI) |
| | | 15060202-767 | ESCHERICHIA COLI (E. COLI) |
| | | 15060202-768 | ESCHERICHIA COLI (E. COLI) |
| | | 15060202-772 | ESCHERICHIA COLI (E. COLI) |
| Watson Lake | | 15060202-1590 | NITROGEN, TOTAL |
| Oak | | 15060202-018A | ESCHERICHIA COLI (E. COLI) |
| | | 15060202-019 | ESCHERICHIA COLI (E. COLI) |
| | | 15060202-018C | ESCHERICHIA COLI (E. COLI) |
| | | 15060202-018B | ESCHERICHIA COLI (E. COLI) |
| | | 15060202-017 | ESCHERICHIA COLI (E. COLI) |
| | | 15060202-022 | ESCHERICHIA COLI (E. COLI) |
| Santa Cruz | | 15050301-008A | ESCHERICHIA COLI (E. COLI) |
| | | 15050301-009 | ESCHERICHIA COLI (E. COLI) |
| | | 15050301-500B | ESCHERICHIA COLI (E. COLI) |
| LCR | | 15020001-009 | SEDIMENTATION/SILTATION |
| | | 15020001-010 | SEDIMENTATION/SILTATION |
| | | 15020001-011 | SEDIMENTATION/SILTATION |
| | | 15020001-005 | SEDIMENTATION/SILTATION |
| | | 15020001-018 | SEDIMENTATION/SILTATION |
| Queen Creek | | 15050100-014A | COPPER |
| | | 15050100-014B | COPPER |
| | | 15050100-014C | COPPER |
| | | 15050100-991 | COPPER |
| | | 15050100-1843 | COPPER |
| | | 15050100-1000 | COPPER |
| Rainbow | | 15020005-1170 | NITROGEN, TOTAL |

| EPA | ACWA | ACWA |
|---|---|---|
| **Use Desc** | **Potential to Include Protection** | **Potential to Use Alternative** |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | Maybe | |
| FULL BODY CONTACT | No | |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| AGRICULTURAL IRRIGATION | No | No |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| FULL BODY CONTACT | No | |
| AQUATIC AND WILDLIFE (COLDWATER FISHERY) | No | |
| AQUATIC AND WILDLIFE (COLDWATER FISHERY) | No | |
| AQUATIC AND WILDLIFE (COLDWATER FISHERY) | No | |
| AQUATIC AND WILDLIFE (COLDWATER FISHERY) | No | |
| AQUATIC AND WILDLIFE (COLDWATER FISHERY) | No | |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | Maybe | No |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| AQUATIC AND WILDLIFE (WARMWATER FISHERY) | No | No |
| AQUATIC AND WILDLIFE (COLDWATER FISHERY) | No | |

| ACWA | ACWA |
|---|---|
| **Potential Alternative Type** | **Other Description / Comment** |
| Watershed Plan | Combined TMDL/Watershed Implementation Plan |
| Watershed Plan | Combined TMDL/Watershed Implementation Plan |
| Watershed Plan | Combined TMDL/Watershed Implementation Plan |
| Watershed Plan | Combined TMDL/Watershed Implementation Plan |
| Watershed Plan | Combined TMDL/Watershed Implementation Plan |
| Watershed Plan | Combined TMDL/Watershed Implementation Plan |
| Watershed Plan | Combined TMDL/Watershed Implementation Plan |
| Watershed Plan | Combined TMDL/Watershed Implementation Plan |
| Watershed Plan | Combined TMDL/Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |
| Combination of Approaches | No loading included in existing TMDL |
| Combination of Approaches | Existing TMDL followed up with detailed Watershed Implementation Plan |

Below are example entries that a state might use on the WQ-27 Priorities tab. This i

| *Example #* | Priority ID | HUC | Assessment Unit ID | Cause Name |
|---|---|---|---|---|
| Example A | | | XX-123 | NITROGEN |
| | | | XX-123 | SEDIMENTS |
| | | | XX-234 | NITROGEN |
| | | | XX-345 | NITROGEN |
| | | | | |
| Example B | | | | NITROGEN |
| | | | | SEDIMENTS |
| | | | | TEMPERATURE |
| | | | | |
| Example C | | | | NITROGEN |
| | | | XX-123 | SEDIMENTS |
| | | | XX-234 | |
| | | | | |
| Example D | 1 | 01234567912 | | |
| | 1 | 91389183918 | | |
| | 2 | 12345678901 | | |
| | 3 | 23456789012 | | FECAL COLIFORM |
| | | | | |

s not an exhaustive list; other combin

| Use Desc |
| --- |
| |
| DOMESTIC WATER SUPPLY |
| |
| AQUATIC LIFE<br>PRIMARY CONTACT RECREATION |
| |

ations are possible.

Notes

In this example, state XX is defining their priorities based on combinations of Assessment Unit ID and Cause Name. The priority universe will be all AU/cause combinations listed in the template. The state did not define Priority IDs. In this case, EPA will create the Priority IDs; for example, EPA may group the AUs with Nitrogen cause under one priority ID, and the AU with Sediments cuase

In this example, the priority universe will be :
- All* 303(d)-listed waters in the baseline cycle that were impaired by Nitrogen, Sediments, or Temperature, **PLUS**
- All* 303(d) listed waters in the baseline cycle that were assessed for use Domestic Water Supply.

In this example, the priority universe will be:
- All* 303(d)-listed waters for the baseline cycle that were impaired by Nitrogen, **PLUS**
- Assessment Unit XX-123 impaired by cause Sediment, **PLUS**
- All impairments in the baseline cycle for Assessment Unit XX-234.

In this example, the priority universe will be:
- All 303(d)-listed waters for the baseline cycle that are in HUCs 01234567912 or 91389183918, **PLUS**
- Only those 303(d) listed waters in HUC 12345678901 that were assessed for use Aquatic Life, **PLUS**
- Only those 303(d) listed waters in HUC 23456789012 that were assessed for use Primary Contact Recreation and impaired by Fecal Coliform.

*If the state also provided WQ-27 GIS data to define priority locations, the universe would be restricted to assessment units in the defined area. Otherwise, EPA will consider the entire state area.

| Waterbody Type | Type of Alternative | Potential Decisions | Size Units |
|---|---|---|---|
| River/Stream | Permit | Yes | miles |
| Wetland | Watershed Plan | No | square miles |
| Lake/Pond/Impoundment | Direct Implementation | Maybe | acres |
| Estuary | Combination of Approaches | Not Applicable | |
| Ocean | Other | | |

| State | Baseline Cycle | Yes/No | |
|---|---|---|---|
| AK | 2008 | Yes | AZ_USE |
| AL | 2010 | No | AZ_CAUSE |
| AR | 2012 | | |
| AS | 2014 | **HUC handling** | |
| AZ | 2016 | Not applicable | |
| CA | 2018 | Default processing | |
| CN | 2020 | Include supporting AUs | |
| CO | | | |
| CT | | | |
| DC | | | |
| DE | | | |
| FL | | | |
| GA | | | |
| GU | | | |
| HI | | | |
| IA | | | |
| ID | | | |
| IL | | | |
| IN | | | |
| KS | | | |
| KY | | | |
| LA | | | |
| MA | | | |
| MD | | | |
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| NH | | | |
| NJ | | | |
| NM | | | |
| NV | | | |
| NY | | | |
| OH | | | |
| OK | | | |
| OR | | | |
| PA | | | |
| PR | | | |
| RI | | | |
| SC | | | |
| SD | | | |

**AK_USE**

FRESH WATER / GROWTH AND PROPAGATION OF FISH, SHELLFISH, OTHER AQUATIC LIFE AND WILDLIFE
FRESH WATER / WATER RECREATION / CONTACT RECREATION
FRESH WATER / WATER RECREATION / SECONDARY RECREATION
FRESH WATER / WATER SUPPLY / AGRICULTURE, INCLUDING IRRIGATION AND STOCK WATERING
FRESH WATER / WATER SUPPLY / AQUACULTURE
FRESH WATER / WATER SUPPLY / DRINKING, CULINARY, AND FOOD PROCESSING
FRESH WATER / WATER SUPPLY / INDUSTRIAL
MARINE WATER / GROWTH AND PROPAGATION OF FISH, SHELLFISH, OTHER AQUATIC LIFE AND WILDLIFE
MARINE WATER / HARVESTING FOR CONSUMPTION OF RAW MOLLUSKS OR OTHER RAW AQUATIC LIFE
MARINE WATER / WATER RECREATION / CONTACT RECREATION
MARINE WATER / WATER RECREATION / SECONDARY RECREATION
MARINE WATER / WATER SUPPLY / AQUACULTURE
MARINE WATER / WATER SUPPLY / INDUSTRIAL
MARINE WATER / WATER SUPPLY / SEAFOOD PROCESSING

| AL_USE | AR_USE | AS_USE |
|---|---|---|
| CONTACT RECREATION | AGRICULTURAL WATER SUPPLY | AGRICULTURE |
| DRINKING AND FOOD PROCESSING | DOMESTIC WATER SUPPLY | AQUATIC LIFE |
| FISHING | ECOLOGICALLY SENSITIVE WATERBODY | CULT./CEREMONIAL |
| INDUSTRIAL AND AGRICULTURE USES | EXTRAORDINARY RESOURCE WATERS | FISH CONSUMPTION |
| OUTSTANDING ALABAMA WATER | FISH CONSUMPTION | RECREATION |
| PROPAGATION OF FISH AND WILDLIFE | FISHERIES | SWIMMING |
| SHELLFISHING | INDUSTRIAL WATER SUPPLY | |
| | NATURAL AND SCENIC WATERWAYS | |
| | PRIMARY CONTACT RECREATION | |
| | SECONDARY CONTACT RECREATION | |

**AZ_USE**

AGRICULTURAL IRRIGATION
AGRICULTURAL LIVESTOCK WATERING
AQUATIC AND WILDLIFE (COLDWATER FISHERY)
AQUATIC AND WILDLIFE (EFFLUENT DEPENDENT WATER)
AQUATIC AND WILDLIFE (EPHEMERAL)
AQUATIC AND WILDLIFE (WARMWATER FISHERY)
DOMESTIC WATER SOURCE
FISH CONSUMPTION
FULL BODY CONTACT
PARTIAL BODY CONTACT

| CA_USE | CN_USE |
| --- | --- |
| AGRICULTURAL SUPPLY | AESTHETIC, OTHERS |
| COLD FRESHWATER HABITAT | AQUATIC LIFE |
| COMMERCIAL AND SPORT FISHING | FISH CONSUMPTION |
| CULTURAL/TRADITIONAL RIGHTS | POTABLE WATER |
| ESTUARINE HABITAT | RECREATION |
| FRESHWATER REPLENISHMENT | |
| GROUND WATER RECHARGE | |
| INDUSTRIAL SERVICE SUPPLY | |
| INLAND SALINE WATER HABITAT | |
| LIMITED WARM FRESHWATER HABITAT | |
| MARINE HABITAT | |
| MIGRATION OF AQUATIC ORGANISMS | |
| MUNICIPAL AND DOMESTIC SUPPLY | |
| NON-CONTACT WATER RECREATION | |
| PRESERVATION OF BIOLOGICAL HABITATS | |
| RARE, THREATENED, OR ENDANGERED SPECIES | |
| SHELLFISH HARVESTING | |
| SPAWNING, REPRODUCTION, AND/OR EARLY DEVELOPMENT | |
| WARM FRESHWATER HABITAT | |
| WATER CONTACT RECREATION | |
| WETLAND HABITAT | |
| WILDLIFE HABITAT | |

| CO_USE |
| --- |
| AGRICULTURE |
| AQUATIC LIFE COLD WATER-CLASS 1 |
| AQUATIC LIFE COLD WATER-CLASS 2 |
| AQUATIC LIFE WARM WATER-CLASS 1 |
| AQUATIC LIFE WARM WATER-CLASS 2 |
| DOMESTIC WATER SOURCE |
| RECREATION PRIMARY CONTACT |
| RECREATION SECONDARY CONTACT |

**CT_USE**

COMMERCIAL SHELLFISH HARVESTING WHERE AUTHORIZED
EXISTING OR PROPOSED DRINKING WATER
FISH CONSUMPTION
HABITAT FOR FISH, OTHER AQUATIC LIFE AND WILDLIFE
HABITAT FOR MARINE FISH, OTHER AQUATIC LIFE AND WILDLIFE
POTENTIAL DRINKING WATER SUPPLIES
RECREATION
SHELLFISH HARVESTING FOR DIRECT CONSUMPTION WHERE AUTHORIZED

**DC_USE**

NAVIGATION
PRIMARY CONTACT RECREATION
PROTECTION AND PROPAGATION OF FISH, SHELLFISH AND WILDLIFE
PROTECTION OF HUMAN HEALTH RELATED TO CONSUMPTION OF FISH AND SHELLFISH
SECONDARY CONTACT RECREATION AND AESTHETIC ENJOYMENT

**DE_USE**

AGRICULTURAL WATER SUPPLY
COLD WATER FISH
FISH, AQUATIC LIFE, AND WILDLIFE
HARVESTABLE SHELLFISH WATERS
INDUSTRIAL WATER SUPPLY
PRIMARY CONTACT RECREATION
PUBLIC WATER SUPPLY
SECONDARY CONTACT RECREATION
WATERS OF EXCEPTIONAL RECREATIONAL OR ECOLOGICAL SIGNIFICANCE

| FL_USE | GA_USE |
| --- | --- |
| FISH AND WILDLIFE PROPAGATION - FRESHWATER | COASTAL FISHING |
| FISH AND WILDLIFE PROPAGATION - MARINE | DRINKING WATER SUPPLY |
| POTABLE WATER SUPPLIES | FISHING |
| SHELLFISH PROPAGATION | RECREATION |
| | SCENIC RIVER |
| | WILD RIVER |

| GU_USE | HI_USE | IA_USE |
|---|---|---|
| AESTHETIC ENJOYMENT | AQUATIC LIFE | AQUATIC LIFE - COLDWATER |
| AQUATIC LIFE | NONE | AQUATIC LIFE SUPPORT |
| CONSUMPTION | RECREATION | DRINKING WATER |
| DRINKING WATER | | FISH CONSUMPTION |
| DRINKING WATER (WITH TREATMENT) | | GENERAL USE |
| LIMITED BODY CONTACT RECREATION | | HUMAN HEALTH |
| WHOLE BODY CONTACT RECREATION | | RECREATION - PRIMARY |
| | | SECONDARY CONTACT RECREATION |

| ID_USE | IL_USE |
| --- | --- |
| AESTHETIC | AESTHETIC QUALITY |
| AGRICULTURAL WATER SUPPLY | AQUATIC LIFE |
| COLD WATER AQUATIC LIFE | FISH CONSUMPTION |
| DOMESTIC WATER SUPPLY | INDIGENOUS AQUATIC LIFE |
| INDUSTRIAL WATER SUPPLY | PRIMARY CONTACT RECREATION |
| MODIFIED AQUATIC LIFE | PUBLIC AND FOOD PROCESSING WATER SUPPLIES |
| PRIMARY CONTACT RECREATION | SECONDARY CONTACT |
| SALMONID SPAWNING | |
| SEASONAL COLD WATER AQUATIC LIFE | |
| SECONDARY CONTACT RECREATION | |
| UNDESIGNATED SURFACE WATERS | |
| WARM WATER AQUATIC LIFE | |
| WILDLIFE HABITAT | |

| IN_USE | KS_USE |
| --- | --- |
| FULL BODY CONTACT | AQUATIC LIFE USE |
| GREAT LAKES AGRICULTURAL USE | DOMESTIC WATER SUPPLY |
| HUMAN HEALTH AND WILDLIFE | FOOD PROCUREMENT |
| LIMITED USE | RECREATION |
| OUTSTANDING STATE RESOURCE WATERS | |
| PUBLIC WATER SUPPLY | |
| WARM WATER AQUATIC LIFE | |

| KY_USE | LA_USE |
|---|---|
| AQUATIC LIFE SUPPORT | AGRICULTURE |
| COLD WATER AQUATIC HABITAT | DRINKING WATER SUPPLY |
| DOMESTIC WATER SUPPLY | FISH AND WILDLIFE PROPAGATION |
| FISH CONSUMPTION | LIMITED AQUATIC LIFE AND WILDLIFE USE |
| OUTSTANDING STATE RESOURCE WATER | OUTSTANDING NATURAL RESOURCE WATERS |
| PRIMARY CONTACT RECREATION WATER | OYSTER PROPAGATION |
| SECONDARY CONTACT RECREATION WATER | PRIMARY CONTACT RECREATION |
| WARM WATER AQUATIC HABITAT | SECONDARY CONTACT RECREATION |

| MA_USE | MD_USE |
| --- | --- |
| AESTHETIC | OVERALL USE |
| FISH CONSUMPTION | |
| FISH, OTHER AQUATIC LIFE AND WILDLIFE | |
| PRIMARY CONTACT RECREATION | |
| PUBLIC WATER SUPPLY | |
| SECONDARY CONTACT RECREATION | |
| SHELLFISH HARVESTING | |

| ME_USE | MI_USE |
|---|---|
| DRINKING WATER SUPPLY AFTER DISINFECTION | AGRICULTURE |
| DRINKING WATER SUPPLY AFTER TREATMENT | COLD WATER FISHERY |
| FISH AND OTHER AQUATIC LIFE | FISH CONSUMPTION |
| FISH AND OTHER ESTUARINE AND MARINE LIFE | INDUSTRIAL WATER SUPPLY |
| FISH CONSUMPTION | NAVIGATION |
| FISHING | OTHER INDIGENOUS AQUATIC LIFE |
| HYDROELECTRIC POWER GENERATION | PARTIAL BODY CONTACT RECREATION |
| INDUSTRIAL PROCESS AND COOLING WATER SUPPLY | PUBLIC WATER SUPPLY |
| NAVIGATION | TOTAL BODY CONTACT RECREATION |
| PRIMARY CONTACT RECREATION | WARM WATER FISHERY |
| PROPAGATION AND HARVESTING OF SHELLFISH | |
| SECONDARY CONTACT RECREATION | |

**MN_USE**

CLASS 1B DRINKING WATER
CLASS 1C DRINKING WATER
CLASS 2A AQUATIC RECREATION
CLASS 2A COLD WATER AQUATIC CONSUMPTION
CLASS 2A COLD WATER AQUATIC LIFE
CLASS 2A DRINKING WATER
CLASS 2B
CLASS 2B AQUATIC RECREATION
CLASS 2B WARM WATER AQUATIC CONSUMPTION
CLASS 2B WARM WATER AQUATIC LIFE
CLASS 2BD AQUATIC RECREATION
CLASS 2BD WARM WATER AQUATIC CONSUMPTION
CLASS 2BD WARM WATER AQUATIC LIFE
CLASS 2C AQUATIC RECREATION
CLASS 2C WARM WATER AQUATIC CONSUMPTION
CLASS 2C WARM WATER AQUATIC LIFE
CLASS 2D AQUATIC RECREATION
CLASS 2D WETLAND AQUATIC CONSUMPTION
CLASS 2D WETLAND AQUATIC LIFE
CLASS 7 LIMITED RESOURCE VALUE WATERS

| MO_USE |
| --- |
| AQUATIC LIFE |
| COLD WATER FISHERY |
| COOL WATER FISHERY |
| DRINKING WATER SUPPLY |
| GENERAL USE |
| INDUSTRIAL PROCESS WATER AND INDUSTRIAL COOLING WATER |
| IRRIGATION |
| LIVESTOCK AND WILDLIFE WATERING |
| SECONDARY CONTACT RECREATION |
| WHOLE BODY CONTACT RECREATION - A |
| WHOLE BODY CONTACT RECREATION - B |

| MS_USE |
| --- |
| AQUATIC LIFE USE SUPPORT |
| FISH CONSUMPTION |
| PRIMARY CONTACT RECREATION |
| SECONDARY CONTACT RECREATION |

| MT_USE | NC_USE | ND_USE |
|---|---|---|
| AGRICULTURAL | AQUATIC LIFE | AGRICULTURAL |
| AQUATIC LIFE | FISH CONSUMPTION | FISH AND OTHER AQUATIC BIOTA |
| DRINKING WATER | RECREATION | FISH CONSUMPTION |
| PRIMARY CONTACT RECREATION | SHELLFISH HARVESTING | INDUSTRIAL |
| | WATER SUPPLY | MUNICIPAL AND DOMESTIC |
| | | RECREATION |

| NE_USE | NH_USE |
| --- | --- |
| AESTHETICS | AQUATIC LIFE |
| AGRICULTURE WATER SUPPLY | DRINKING WATER SUPPLY |
| AQUATIC LIFE | FISH CONSUMPTION |
| INDUSTRIAL WATER SUPPLY | PRIMARY CONTACT RECREATION |
| PRIMARY CONTACT RECREATION | SECONDARY CONTACT RECREATION |
| PUBLIC DRINKING WATER SUPPLY | SHELLFISH CONSUMPTION |
| | WILDLIFE |

| NJ_USE | NM_USE |
|---|---|
| AGRICULTURAL WATER SUPPLY | COLDWATER AQUATIC LIFE |
| AQUATIC LIFE | COOLWATER AQUATIC LIFE |
| AQUATIC LIFE - TROUT | DOMESTIC WATER SUPPLY |
| DRINKING WATER SUPPLY | FISH CULTURE |
| FISH CONSUMPTION | HIGH QUALITY COLDWATER AQUATIC LIFE |
| INDUSTRIAL WATER SUPPLY | INDUSTRIAL WATER SUPPLY |
| PRIMARY CONTACT RECREATION | IRRIGATION |
| SECONDARY CONTACT RECREATION | IRRIGATION STORAGE |
| SHELLFISH HARVESTING | LIMITED AQUATIC LIFE |
| | LIVESTOCK WATERING |
| | MARGINAL COLDWATER AQUATIC LIFE |
| | MARGINAL WARMWATER AQUATIC LIFE |
| | PRIMARY CONTACT |
| | PUBLIC WATER SUPPLY |
| | SECONDARY CONTACT |
| | WARMWATER AQUATIC LIFE |
| | WILDLIFE HABITAT |

**NV_USE**

AQUATIC LIFE
ENHANCEMENT OF WATER QUALITY
FISH CONSUMPTION
FRESHWATER MARSH
INDUSTRIAL SUPPLY
IRRIGATION
MUNICIPAL OR DOMESTIC SUPPLY
OVERALL USE
PROPAGATION OF WILDLIFE
RECREATION INVOLVING CONTACT WITH THE WATER
RECREATION NOT INVOLVING CONTACT WITH THE WATER
WATERING OF LIVESTOCK
WATERS OF EXTRAORDINARY ECOLOGICAL OR AESTHETIC VALUE

**NY_USE**

AQUATIC LIFE
ENJOYMENT
FISHING
HABITAT/HYDROLGY
PRIMARY CONTACT RECREATION
SECONDARY CONTACT RECREATION
SHELLFISH
SOURCE OF WATER SUPPLY FOR DRINKING, CULINARY OR FOOD PROCESSING PURPOSE
TEMPORARY PLACEHOLDER

**OH_USE**

AQUATIC LIFE USE
HUMAN HEALTH USE
PUBLIC DRINKING WATER SUPPLY USE
RECREATIONAL USE

**OK_USE**

AESTHETIC
AGRICULTURE
EMERGENCY WATER SUPPLY
FISH AND WILDLIFE PROPAGATION-COOL WATER AQUATIC COMMUNITY SUBCATEGORY
FISH AND WILDLIFE PROPAGATION-HABITAT LIMITED AQUATIC COMMUNITY SUBCATEGORY
FISH AND WILDLIFE PROPAGATION-TROUT FISHERY (PUT AND TAKE) SUBCATEGORY
FISH AND WILDLIFE PROPAGATION-WARM WATER AQUATIC COMMUNITY SUBCATEGORY
FISH CONSUMPTION
HQW-HIGH QUALITY WATER
NAVIGATION
ORW-OUTSTANDING RESOURCE
PRIMARY BODY CONTACT RECREATION
PUBLIC AND PRIVATE WATER SUPPLY
SECONDARY BODY CONTACT RECREATION
SWS-SENSITIVE WATER SUPPLY

| OR_USE | PA_USE |
| --- | --- |
| AESTHETIC QUALITY | AQUATIC LIFE |
| ANADROMOUS FISH PASSAGE | FISH CONSUMPTION |
| AQUATIC LIFE | POTABLE WATER SUPPLY |
| BULL TROUT SPAWNING AND JUVENILE REARING | RECREATIONAL |
| COLD-WATER AQUATIC LIFE | |
| COOL-WATER AQUATIC LIFE | |
| CORE COLD WATER HABITAT | |
| DRINKING WATER | |
| ESTUARINE WATER | |
| FISHING | |
| HUMAN HEALTH | |
| LIVESTOCK WATERING | |
| REDBAND OR LAHONTAN CUTTHROAT TROUT | |
| RESIDENT FISH AND AQUATIC LIFE | |
| RESIDENT TROUT SPAWNING | |
| SALMON AND STEELHEAD MIGRATION CORRIDOR | |
| SALMON AND STEELHEAD SPAWNING | |
| SALMON AND TROUT REARING AND MIGRATION | |
| SALMONID FISH REARING | |
| SALMONID FISH SPAWNING | |
| SHELLFISH GROWING | |
| TEMPORARY PLACEHOLDER | |
| WATER CONTACT RECREATION | |

| PR_USE | RI_USE |
| --- | --- |
| AQUATIC LIFE | FISH AND WILDLIFE HABITAT |
| DRINKING WATER SUPPLY | FISH CONSUMPTION |
| PRIMARY CONTACT RECREATION | PRIMARY CONTACT RECREATION |
| SECONDARY CONTACT (RECR) | PUBLIC DRINKING WATER SUPPLY |
| | SECONDARY CONTACT RECREATION |
| | SHELLFISH CONSUMPTION |
| | SHELLFISH CONTROLLED RELAY AND DEPURATION |

| SC_USE |
| --- |
| AQUATIC LIFE SUPPORT |
| FISH CONSUMPTION |
| PRIMARY CONTACT RECREATION |
| SHELLFISH HARVESTING |

**SD_USE**

COLDWATER MARGINAL FISH LIFE PROPAGATION WATERS
COLDWATER PERMANENT FISH LIFE PROPAGATION WATERS
COMMERCE AND INDUSTRY WATERS
DOMESTIC WATER SUPPLY WATERS
FISH AND WILDLIFE PROPAGATION, RECREATION, AND STOCK WATERING WATERS
IMMERSION RECREATION WATERS
IRRIGATION WATERS
LIMITED CONTACT RECREATION WATERS
WARMWATER MARGINAL FISH LIFE PROPAGATION WATERS
WARMWATER PERMANENT FISH LIFE PROPAGATION WATERS
WARMWATER SEMIPERMANENT FISH LIFE PROPAGATION WATERS

| TN_USE | TT_USE | TX_USE |
|---|---|---|
| DOMESTIC WATER SUPPLY | | AQUATIC LIFE USE |
| FISH AND AQUATIC LIFE | | DOMESTIC WATER SUPPLY - PUBLIC WATER SUPPLY |
| INDUSTRIAL WATER SUPPLY | | FISH CONSUMPTION USE |
| IRRIGATION | | GENERAL USE |
| LIVESTOCK WATERING AND WILDLIFE | | OYSTER AQUATIC LIFE |
| NATURALLY REPRODUCING TROUT STREAM | | PRIMARY RECREATION/SWIMMING |
| NAVIGATION | | RECREATIONAL BEACHES |
| RECREATION | | |

| UT_USE |
| --- |
| AGRICULTURAL |
| COLD WATER AQUATIC LIFE |
| DOMESTIC WATER SUPPLY |
| NON-GAME FISH AND OTHER AQUATIC LIFE |
| PRIMARY RECREATION |
| SECONDARY RECREATION |
| WARM WATER AQUATIC LIFE |
| WILDLIFE HABITAT |

| VA_USE |
| --- |
| AQUATIC LIFE |
| DEEP-CHANNEL SEASONAL REFUGE |
| DEEP-WATER AQUATIC LIFE |
| FISH CONSUMPTION |
| MIGRATORY FISH SPAWNING AND NURSERY |
| OPEN-WATER AQUATIC LIFE |
| PUBLIC WATER SUPPLY |
| RECREATION |
| SHALLOW-WATER SUBMERGED AQUATIC VEGETATION |
| SHELLFISHING |
| WILDLIFE |

| VI_USE | VT_USE |
| --- | --- |
| AQUATIC LIFE USE | AESTHETIC |
| PRIMARY CONTACT RECREATION | AQUATIC BIOTA, WILDLIFE, AND AQUATIC HABITAT |
| | BOATING, FISHING, AND OTHER RECREATIONAL USES |
| | FISH CONSUMPTION |
| | PUBLIC WATER SUPPLY |
| | SWIMMING AND OTHER PRIMARY CONTACT RECREATION |

| WA_USE | WI_USE |
| --- | --- |
| DESIGNATED USE | FISH AND AQUATIC LIFE |
| | FISH CONSUMPTION |
| | PUBLIC WATER SUPPLY |
| | RECREATION USE |

| WV_USE |
| --- |
| AGRICULTURE AND WILDLIFE |
| PUBLIC WATER SUPPLY |
| TROUT WATERS |
| WARM WATER FISHERY |
| WATER CONTACT RECREATION |
| WATER SUPPLY INDUSTRIAL, WATER TRANSPORT, COOLING AND POWER |

| WY_USE |
| --- |
| AGRICULTURE |
| AQUATIC LIFE OTHER THAN FISH |
| COLD WATER FISHERY |
| DRINKING WATER |
| FISH CONSUMPTION |
| INDUSTRY |
| NON-GAME FISH |
| RECREATION |
| SCENIC VALUE |
| WARM WATER FISHERY |
| WILDLIFE |

| AK_CAUSE | AL_CAUSE |
|---|---|
| ALUMINUM | ALUMINUM |
| ANTIMONY | AMMONIA, TOTAL |
| ARSENIC | ARSENIC |
| BOTTOM DEPOSITS | CARBONACEOUS BOD |
| CADMIUM | CHLORIDE |
| COPPER | CHROMIUM, TRIVALENT |
| DEBRIS/FLOATABLES/TRASH | COPPER |
| DISSOLVED OXYGEN SATURATION | CYANIDE |
| FECAL COLIFORM | DDT |
| IRON | DIELDRIN |
| LEAD | ENTEROCOCCUS BACTERIA |
| MANGANESE | ESCHERICHIA COLI (E. COLI) |
| MERCURY | FECAL COLIFORM |
| NICKEL | IRON |
| PETROLEUM HYDROCARBONS | LEAD |
| RESIDUES | MERCURY |
| SEDIMENTATION/SILTATION | NITROGENOUS BOD |
| SULFATES | PH |
| TURBIDITY | PHOSPHORUS, TOTAL |
| ZINC | POLYCHLORINATED BIPHENYLS (PCBS) |
| | SEDIMENTATION/SILTATION |
| | THALLIUM |
| | TOTAL DISSOLVED SOLIDS (TDS) |
| | TURBIDITY |
| | WHOLE EFFLUENT TOXICITY (WET) |
| | ZINC |

| AR_CAUSE | AS_CAUSE | AZ_CAUSE |
|---|---|---|
| ALUMINUM | ARSENIC | AMMONIA, UN-IONIZED |
| BERYLLIUM | DISSOLVED OXYGEN | AQUATIC PLANTS - NATIVE |
| CADMIUM | ENTEROCOCCUS BACTERIA | ARSENIC |
| CHLORIDE | NITROGEN, TOTAL | BERYLLIUM |
| COPPER | PHOSPHORUS, TOTAL | BORON |
| DISSOLVED OXYGEN | TURBIDITY | CADMIUM |
| ESCHERICHIA COLI (E. COLI) | UNDETERMINED NPS STRESSOR | CHLORDANE |
| FECAL COLIFORM | | CHLORINE |
| LEAD | | COPPER |
| NITRATES | | DDT |
| PH | | DISSOLVED OXYGEN |
| PHOSPHORUS, TOTAL | | ESCHERICHIA COLI (E. COLI) |
| SEDIMENTATION/SILTATION | | LEAD |
| SULFATES | | MERCURY IN FISH TISSUE |
| TEMPERATURE | | NITROGEN, TOTAL |
| TOTAL DISSOLVED SOLIDS (TDS) | | PH |
| TURBIDITY | | PHOSPHORUS, ELEMENTAL |
| ZINC | | PHOSPHORUS, TOTAL |
| | | SEDIMENTATION/SILTATION |
| | | SELENIUM |
| | | TOXAPHENE |
| | | ZINC |

**CA_CAUSE**

2-METHYLNAPHTHALENE
ACID MINE DRAINAGE
ALDICARB
ALGAE
ALGAL TOXINS
ALPHA-BHC
ALUMINUM
AMMONIA
AMMONIA NITROGEN
AMMONIA, UN-IONIZED
ARSENIC
BACTERIA
BEACH CLOSURES
BENTHIC MACROINVERTEBRATES BIOASSESSMENTS
BENZO[A]ANTHRACENE
BENZO[A]PYRENE
BENZO[B]FLUORANTHENE
BENZ[A]ANTHRACENE
BIFENTHRIN
BIOCHEMICAL OXYGEN DEMAND (BOD)
BIS(2-ETHYLHEXYL) PHTHALATE
BORON
CADMIUM
CARBOFURAN
CHEMA
CHEMICAL OXYGEN DEMAND (COD)
CHLORDANE
CHLORDANE IN FISH TISSUE
CHLORIDE
CHLOROPHYLL-A
CHLORPYRIFOS
CHROMIUM, TOTAL
CHRYSENE
COLIFORMS
COLOR
CONDUCTIVITY
CONTAMINATED SEDIMENTS (CADMIUM)
CONTAMINATED SEDIMENTS (CHLORDANE)
CONTAMINATED SEDIMENTS (COPPER)
CONTAMINATED SEDIMENTS (LEAD)
CONTAMINATED SEDIMENTS (PAHS)
CONTAMINATED SEDIMENTS (PCBS)
CONTAMINATED SEDIMENTS (SILVER)
CONTAMINATED SEDIMENTS (ZINC)
COPPER
CYANIDE

| CN_CAUSE |
| --- |
| DISSOLVED OXYGEN SATURATION |
| ENTEROCOCCUS BACTERIA |
| MERCURY IN FISH TISSUE |
| NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS |
| PHOSPHATE |
| UNLISTED BUT IMPAIRED |

**CO_CAUSE**

ALUMINUM
AMMONIA, UN-IONIZED
ARSENIC
BOD, SEDIMENT LOAD (SEDIMENT OXYGEN DEMAND)
CADMIUM
CAUSE UNKNOWN
CHLOROPHYLL-A
COPPER
DISSOLVED OXYGEN
DISSOLVED OXYGEN SATURATION
ESCHERICHIA COLI (E. COLI)
IRON
LEAD
MANGANESE
MERCURY
MERCURY IN FISH TISSUE
PH
PHOSPHORUS, TOTAL
SEDIMENTATION/SILTATION
SELENIUM
SULFATES
TEMPERATURE
TETRACHLOROETHYLENE
URANIUM
ZINC

**CT_CAUSE**

AMMONIA, UN-IONIZED
CADMIUM
CAUSE UNKNOWN
CHLORDANE
CHLOROPHYLL-A
COPPER
DEBRIS/FLOATABLES/TRASH
DIOXIN (INCLUDING 2,3,7,8-TCDD)
DISSOLVED OXYGEN
DISSOLVED OXYGEN SATURATION
ENTEROCOCCUS BACTERIA
ESCHERICHIA COLI (E. COLI)
ESTUARINE BIOASSESSMENTS
EXCESS ALGAL GROWTH
FECAL COLIFORM
GOLD
IRON
LEAD
MERCURY
NITROGEN, TOTAL
NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS
OIL AND GREASE
ORGANIC ENRICHMENT (SEWAGE) BIOLOGICAL INDICATORS
PHOSPHORUS, TOTAL
POLYCHLORINATED BIPHENYLS (PCBS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (AQUATIC ECOSYSTEMS)
SEDIMENTATION/SILTATION
SILVER
SODIUM
TASTE AND ODOR
TOTAL SUSPENDED SOLIDS (TSS)
TURBIDITY
WHOLE EFFLUENT TOXICITY (WET)
ZINC

**DC_CAUSE**

ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS
ALTERATIONS IN WETLAND HABITATS
ARSENIC
BENTHIC MACROINVERTEBRATES BIOASSESSMENTS
BIOCHEMICAL OXYGEN DEMAND (BOD)
CHLORDANE
CHLORINE, RESIDUAL (CHLORINE DEMAND)
COMBINATION BENTHIC/FISHES BIOASSESSMENTS
COMBINED BIOTA/HABITAT BIOASSESSMENTS
COPPER
DDD
DDE
DDT
DEBRIS/FLOATABLES/TRASH
DIELDRIN
DISSOLVED OXYGEN SATURATION
FECAL COLIFORM
FISH BIOASSESSMENTS
FLOW ALTERATION(S)
HABITAT ASSESSMENT (STREAMS)
HEPTACHLOR EPOXIDE
LEAD
MERCURY
NITROGEN, TOTAL
OIL AND GREASE
PARTICLE DISTRIBUTION (EMBEDDEDNESS)
PH
PHOSPHORUS, TOTAL
PHYSICAL SUBSTRATE HABITAT ALTERATIONS
POLYCHLORINATED BIPHENYLS (PCBS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (AQUATIC ECOSYSTEMS)
TOTAL SUSPENDED SOLIDS (TSS)
ZINC

| DE_CAUSE |
| --- |
| CAUSE UNKNOWN |
| CHLORDANE |
| DDT |
| DDT IN TISSUE |
| DIELDRIN |
| DIOXIN |
| ENTEROCOCCUS BACTERIA |
| HABITAT ASSESSMENT |
| MERCURY |
| NITRATE/NITRITE |
| NITROGEN, TOTAL |
| ORGANIC ENRICHMENT (SEWAGE) BIOLOGICAL INDICATORS |
| PHOSPHORUS, TOTAL |
| POLYCHLORINATED BIPHENYLS (PCBS) |
| SUSPENDED SOLIDS |
| TOTAL KJEHLDAHL NITROGEN (TKN) |

| FL_CAUSE | GA_CAUSE |
|---|---|
| ALKALINITY, CARBONATE AS CACO3 | BENTHIC MACROINVERTEBRATES BIOASSESSMENTS |
| AMMONIA, UN-IONIZED | CADMIUM |
| ARSENIC | CHLOROPHYLL-A |
| BENTHIC MACROINVERTEBRATES BIOASSESSMENTS | COPPER |
| BIOCHEMICAL OXYGEN DEMAND (BOD) | DISSOLVED OXYGEN |
| CHLORIDE | ENTEROCOCCUS BACTERIA |
| CHLORINE | FECAL COLIFORM |
| CHLOROPHYLL-A | FISH BIOASSESSMENTS |
| COPPER | LEAD |
| DIOXIN (INCLUDING 2,3,7,8-TCDD) | MERCURY IN FISH TISSUE |
| DISSOLVED OXYGEN | OTHER CAUSE |
| EXCESS ALGAL GROWTH | PCB(S) IN FISH TISSUE |
| FECAL COLIFORM | PH |
| IRON | PHOSPHORUS, TOTAL |
| LEAD | SELENIUM |
| MACROPHYTES | TEMPERATURE, WATER |
| MERCURY IN FISH TISSUE | TOXAPHENE |
| NICKEL | ZINC |
| OTHER CAUSE | |
| PH | |
| PHOSPHORUS, TOTAL | |
| SILVER | |
| SPECIFIC CONDUCTIVITY | |
| THALLIUM | |
| TOTAL COLIFORM | |
| TOTAL DISSOLVED SOLIDS (TDS) | |
| TOTAL SUSPENDED SOLIDS (TSS) | |
| TROPHIC STATE INDEX (TSI) | |
| TURBIDITY | |

| GU_CAUSE | HI_CAUSE |
|---|---|
| ALUMINUM | AMMONIA, TOTAL |
| AMMONIA, UN-IONIZED | CHLORDANE |
| ANTIMONY | CHLOROPHYLL-A |
| ARSENIC | DIELDRIN |
| CHLORDANE | ENTEROCOCCUS BACTERIA |
| CHLORDANE IN FISH TISSUE | FECAL COLIFORM |
| CHROMIUM, TOTAL | LEAD |
| COPPER | METALS (OTHER THAN MERCURY) |
| DIELDRIN | NITRATE/NITRITE |
| DISSOLVED OXYGEN | NITRATE/NITRITE (NITRITE + NITRATE AS N) |
| ENTEROCOCCUS BACTERIA | NITROGEN, TOTAL |
| ESCHERICHIA COLI (E. COLI) | NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS |
| IRON | ORGANOCHLORINE PESTICIDES |
| MANGANESE | OTHER CAUSE |
| NICKEL | PCB(S) IN FISH TISSUE |
| NITRATES | PHOSPHATE |
| PCB(S) IN FISH TISSUE | PHOSPHORUS, TOTAL |
| SALINITY | TOTAL SUSPENDED SOLIDS (TSS) |
| TEMPERATURE | TRASH |
| TETRACHLOROETHYLENE | TURBIDITY |
| TOTAL COLIFORM | |
| TOTAL DISSOLVED SOLIDS (TDS) | |
| TOTAL SUSPENDED SOLIDS (TSS) | |
| TOXIC SEAFOOD ADVISORY (SEAWEED) | |
| TRICHLOROETHYLENE (TCE) | |
| TURBIDITY | |
| UNLISTED BUT IMPAIRED | |
| ZINC | |

**IA_CAUSE**

ALGAL GROWTH/CHLOROPHYLL A
ALUMINUM
AMMONIA
ARSENIC
CADMIUM
CAUSE UNKNOWN (BIOLOGICAL): MUSSELS
CAUSE UNKNOWN - BIOLOGICAL INTEGRITY
CHLORIDE
CHROMIUM
FISH CONSUMPTION ADVISORY - MERCURY
FISH CONSUMPTION ADVISORY - PCBS
FISH KILL CAUSED BY AMMONIA
FISH KILL CAUSED BY ANIMAL WASTE
FISH KILL CAUSED BY CHLORINE
FISH KILL CAUSED BY FERTILIZER SPILL
FISH KILL CAUSED BY FUEL SPILL
FISH KILL CAUSED BY ORGANIC ENRICHMENT/LOW DISSOLVED OXYGEN
FISH KILL CAUSED BY PESTICIDES
FISH KILL CAUSED BY WASTEWATER
FISH KILL DUE TO NATURAL CAUSES
FISH KILL DUE TO UNKNOWN TOXICITY
INDICATOR BACTERIA
NITRATE
ORGANIC ENRICHMENT/LOW DISSOLVED OXYGEN
PH
PRIORITY ORGANICS COMPOUNDS
SANITARY WASTE
TURBIDITY
WASTEWATER

| ID_CAUSE |
| --- |
| AMMONIA, UN-IONIZED |
| ANTIMONY |
| AQUATIC PLANT BIOASSESSMENTS |
| ARSENIC |
| BENTHIC MACROINVERTEBRATES BIOASSESSMENTS |
| CADMIUM |
| CAUSE UNKNOWN |
| CHLORPYRIFOS |
| COMBINED BIOTA/HABITAT BIOASSESSMENTS |
| COPPER |
| DISSOLVED GAS SUPERSATURATION |
| DISSOLVED OXYGEN |
| ESCHERICHIA COLI (E. COLI) |
| FECAL COLIFORM |
| FISH BIOASSESSMENTS |
| HABITAT ASSESSMENT (STREAMS) |
| LEAD |
| MALATHION |
| MERCURY |
| METHYL PARATHION |
| NITROGEN, TOTAL |
| NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS |
| OIL AND GREASE |
| PARTICLE DISTRIBUTION (EMBEDDEDNESS) |
| PH |
| PHOSPHORUS, TOTAL |
| SEDIMENTATION/SILTATION |
| SELENIUM |
| TEMPERATURE, WATER |
| TOTAL SUSPENDED SOLIDS (TSS) |
| ZINC |

| IL_CAUSE |
| --- |
| ALDRIN |
| ALPHA-BHC |
| AMMONIA, TOTAL |
| AMMONIA, UN-IONIZED |
| ARSENIC |
| ATRAZINE |
| BARIUM |
| BORON |
| CADMIUM |
| CAUSE UNKNOWN |
| CHLORDANE |
| CHLORIDES |
| CHLORINE |
| CHROMIUM, TOTAL |
| COPPER |
| DDT |
| DIELDRIN |
| DIOXIN |
| DISSOLVED OXYGEN |
| ENDRIN |
| ESCHERICHIA COLI (E. COLI) |
| FECAL COLIFORM |
| FLUORIDE |
| HEPTACHLOR |
| HEXACHLOROBENZENE |
| IRON |
| LEAD |
| LINDANE |
| MANGANESE |
| MERCURY |
| METHOXYCHLOR |
| NICKEL |
| NITRATES |
| NITROGEN |
| NITROGEN, TOTAL |
| OIL AND GREASE |
| PH |
| PHOSPHORUS, TOTAL |
| POLYCHLORINATED BIPHENYLS (PCBS) |
| SEDIMENTATION/SILTATION |
| SILVER |
| SULFATES |
| TOTAL DISSOLVED SOLIDS (TDS) |
| TOTAL SUSPENDED SOLIDS (TSS) |
| ZINC |

| IN_CAUSE | KS_CAUSE |
|---|---|
| ALGAE | AMMONIA |
| AMMONIA | ARSENIC |
| CHLORIDES | ATRAZINE |
| COPPER | BIOLOGY |
| CYANIDE | BORON |
| DIOXINS | CADMIUM |
| DISSOLVED OXYGEN | CHLORIDE |
| ESCHERICHIA COLI (E. COLI) | COPPER |
| FISH CONSUMPTION ADVISORY - MERCURY | DIAZINON |
| FISH CONSUMPTION ADVISORY - PCBS | DISSOLVED OXYGEN |
| IMPAIRED BIOTIC COMMUNITIES | ESCHERICHIA COLI (E. COLI) |
| LEAD | EUTROPHICATION |
| MERCURY IN FISH TISSUE | FLUORIDE |
| NICKEL | GROSS ALPHA |
| NUTRIENTS | LEAD |
| OIL AND GREASE | MERCURY IN FISH TISSUE |
| PCB(S) IN FISH TISSUE | NITRATE |
| PESTICIDES | PCB(S) IN FISH TISSUE |
| PH | PERCHLORATE |
| PHOSPHORUS | PH |
| SILTATION | PHOSPHORUS, TOTAL |
| SULFATES | SELENIUM |
| TASTE AND ODOR | SILTATION |
| TOTAL DISSOLVED SOLIDS (TDS) | SULFATE |
| ZINC | SUSPENDED SOLIDS |
| | TEMPERATURE |
| | ZINC |

| KY_CAUSE |
| --- |
| AMMONIA, TOTAL |
| AMMONIA, UN-IONIZED |
| BENTHIC MACROINVERTEBRATES BIOASSESSMENTS |
| BETA PARTICLES AND PHOTON EMITTERS |
| CADMIUM |
| CARBONACEOUS BOD |
| CAUSE UNKNOWN |
| CHLORIDE |
| CHLORINE |
| CHLORINE, RESIDUAL (CHLORINE DEMAND) |
| CHROMIUM, TOTAL |
| COPPER |
| DIOXIN |
| DISSOLVED OXYGEN |
| ESCHERICHIA COLI (E. COLI) |
| FECAL COLIFORM |
| GROSS ALPHA |
| HABITAT ASSESSMENT (STREAMS) |
| IRON |
| LEAD |
| MANGANESE |
| MERCURY |
| MERCURY IN FISH TISSUE |
| MERCURY IN WATER COLUMN |
| METHYL MERCURY |
| METHYLMERCURY |
| NICKEL |
| NITRATE/NITRITE (NITRITE + NITRATE AS N) |
| NITRATES |
| NITROGEN, TOTAL |
| NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS |
| OIL AND GREASE |
| ORGANIC ENRICHMENT (SEWAGE) BIOLOGICAL INDICATORS |
| OTHER CAUSE |
| PARTICLE DISTRIBUTION (EMBEDDEDNESS) |
| PCB(S) IN FISH TISSUE |
| PH |
| PHOSPHORUS, TOTAL |
| PHYSICAL SUBSTRATE HABITAT ALTERATIONS |
| POLYCHLORINATED BIPHENYLS (PCBS) |
| SALINITY |
| SEDIMENTATION/SILTATION |
| SELENIUM |
| SPECIFIC CONDUCTIVITY |
| SULFATES |
| TEMPERATURE, WATER |

| LA_CAUSE |
| --- |
| CHLORIDE |
| COLOR |
| COPPER |
| DISSOLVED OXYGEN |
| ENTEROCOCCUS BACTERIA |
| FECAL COLIFORM |
| LEAD |
| MERCURY IN FISH TISSUE |
| PH, HIGH |
| PH, LOW |
| PHOSPHORUS, TOTAL |
| SULFATES |
| TEMPERATURE, WATER |
| TOTAL DISSOLVED SOLIDS (TDS) |
| TURBIDITY |

**MA_CAUSE**

2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (ONLY)
ABNORMAL FISH DEFORMITIES, EROSIONS, LESIONS, TUMORS (DELTS)
ABNORMAL FISH HISTOLOGY
ALUMINUM
AMBIENT BIOASSAYS - CHRONIC AQUATIC TOXICITY
AMMONIA, UN-IONIZED
AQUATIC MACROINVERTEBRATE BIOASSESSMENTS
AQUATIC PLANTS (MACROPHYTES)
ARSENIC
BOTTOM DEPOSITS
CADMIUM
CHLORDANE
CHLORIDE
CHLOROPHYLL-A
CHROMIUM, TOTAL
COLOR
COMBINED BIOTA/HABITAT BIOASSESSMENTS
COPPER
DDT
DEHP (DI-SEC-OCTYL PHTHALATE)
DIOXIN (INCLUDING 2,3,7,8-TCDD)
DISSOLVED OXYGEN
DISSOLVED OXYGEN SATURATION
ENTEROCOCCUS BACTERIA
ESCHERICHIA COLI (E. COLI)
ESTUARINE BIOASSESSMENTS
EXCESS ALGAL GROWTH
FECAL COLIFORM
FISH BIOASSESSMENTS
FOAM/FLOCS/SCUM/OIL SLICKS
LACK OF A COLDWATER ASSEMBLAGE
LEAD
MERCURY IN FISH TISSUE
MERCURY IN WATER COLUMN
NITROGEN, TOTAL
NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS
OIL AND GREASE
ORGANIC ENRICHMENT (SEWAGE) BIOLOGICAL INDICATORS
OTHER CAUSE
PCB(S) IN FISH TISSUE
PENTACHLOROPHENOL (PCP)
PETROLEUM HYDROCARBONS
PH, HIGH
PH, LOW
PHOSPHORUS, TOTAL
PHYSICAL SUBSTRATE HABITAT ALTERATIONS

| MD_CAUSE | ME_CAUSE |
|---|---|
| ALUMINUM | 1,1-DICHLOROETHANE |
| AMMONIA | 1,2-DICHLOROETHANE |
| CAUSE UNKNOWN | AQUATIC LIFE |
| CHLORIDES | BENTHIC MACROINVERTEBRATES BIOASSESSMENTS |
| CHROMIUM, TOTAL | CAUSE UNKNOWN |
| COPPER | CHLOROPHYLL-A |
| DEBRIS/FLOATABLES/TRASH | COPPER |
| ENTEROCOCCUS BACTERIA | DDT |
| FECAL COLIFORM | DIOXIN (INCLUDING 2,3,7,8-TCDD) |
| HEPTACHLOR EPOXIDE | DISSOLVED OXYGEN |
| IRON | ESCHERICHIA COLI (E. COLI) |
| LEAD IN SEDIMENT | HABITAT ASSESSMENT (STREAMS) |
| MANGANESE | IRON |
| MERCURY IN FISH TISSUE | NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS |
| NITROGEN, TOTAL | PERIPHYTON (AUFWUCHS) INDICATOR BIOASSESSMENTS |
| PCB(S) IN FISH TISSUE | PH |
| PCBS IN SEDIMENTS AND FISH TISSUE | PHOSPHORUS, TOTAL |
| PH, HIGH | POLYCHLORINATED BIPHENYLS (PCBS) |
| PH, LOW | SECCHI DISK TRANSPARENCY |
| PHOSPHORUS, TOTAL | TOXICITY |
| POLYCHLORINATED BIPHENYLS (PCBS) | TOXICS |
| SEDIMENTATION/SILTATION | UNDETERMINED NPS STRESSOR |
| SULFATES | |
| TOTAL SUSPENDED SOLIDS (TSS) | |
| TOXICS | |
| ZINC IN SEDIMENT | |

**MI_CAUSE**

AMMONIA, TOTAL
AMMONIA, UN-IONIZED
BACTERIAL SLIMES
CAUSE UNKNOWN
CHLORDANE
CHROMIUM, TOTAL
COPPER
DDT
DIOXIN
DISSOLVED OXYGEN
ESCHERICHIA COLI (E. COLI)
EXCESS ALGAL GROWTH
FISH KILL(S)
FLOW ALTERATION(S)
LEAD
MERCURY
MERCURY IN FISH TISSUE
NOXIOUS AQUATIC PLANTS NATIVE
NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS
OIL AND GREASE
ORGANIC ENRICHMENT (SEWAGE) BIOLOGICAL INDICATORS
OTHER ANTHROPOGENIC SUBSTRATE ALTERATIONS
OTHER HABITAT ALTERATION(S)
PCB(S) IN FISH TISSUE
PETROLEUM HYDROCARBONS
PHOSPHORUS, TOTAL
POLYCHLORINATED BIPHENYLS (PCBS)
SEDIMENTATION/SILTATION
SUSPENDED SOLIDS
TEMPERATURE
TOTAL DISSOLVED SOLIDS (TDS)

**MN_CAUSE**

ACETOCHLOR
AMMONIA
AQUATIC MACROINVERTEBRATE BIOASSESSMENTS
AQUATIC PLANT BIOASSESSMENTS
CHLORIDE
DDT
DIELDRIN
DIOXIN
DISSOLVED OXYGEN
EUTROPHICATION
FECAL COLIFORM
FISH BIOASSESSMENTS
LACK OF A COLDWATER ASSEMBLAGE
MERCURY
MERCURY IN FISH TISSUE
NUTRIENTS - ALGAE
PCB(S) IN FISH TISSUE
PERFLUOROOCTANE SULFONATE (PFOS) IN FISH TISSUE
PH
POLYCHLORINATED BIPHENYLS (PCBS)
TEMPERATURE
TOXAPHENE
TURBIDITY

| MO_CAUSE |
| --- |
| AMMONIA |
| AMMONIA, UN-IONIZED |
| AQUATIC MACROINVERTEBRATE BIOASSESSMENTS |
| ATRAZINE |
| CADMIUM |
| CHLORIDE |
| CHLOROPHYLL-A |
| CONTAMINATED SEDIMENTS (ARSENIC) |
| CONTAMINATED SEDIMENTS (BENZO[A]ANTHRACENE) |
| CONTAMINATED SEDIMENTS (BENZO[A]PYRENE) |
| CONTAMINATED SEDIMENTS (CADMIUM) |
| CONTAMINATED SEDIMENTS (CHRYSENE) |
| CONTAMINATED SEDIMENTS (LEAD) |
| CONTAMINATED SEDIMENTS (NICKEL) |
| CONTAMINATED SEDIMENTS (PHENANTHRENE) |
| CONTAMINATED SEDIMENTS (PYRENE) |
| CONTAMINATED SEDIMENTS (ZINC) |
| COPPER |
| DISSOLVED OXYGEN |
| ESCHERICHIA COLI (E. COLI) |
| FECAL COLIFORM |
| FISH BIOASSESSMENTS |
| LEAD |
| MERCURY IN FISH TISSUE |
| NITROGEN, TOTAL |
| NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS |
| PH |
| PHOSPHORUS, TOTAL |
| SEDIMENTATION/SILTATION |
| SULFATE + CHLORIDE |
| TEMPERATURE |
| UNKNOWN TOXICITY |
| ZINC |

| MS_CAUSE |
| --- |
| BIOLOGICAL IMPAIRMENT |
| CADMIUM |
| CONDUCTIVITY |
| ENTEROCOCCUS BACTERIA |
| FECAL COLIFORM |
| LEAD |
| NITROGEN |
| NUTRIENTS |
| ORGANIC ENRICHMENT/LOW DISSOLVED OXYGEN |
| PH |
| PHOSPHORUS |

**MT_CAUSE**

ALUMINUM
AMMONIA, TOTAL
AMMONIA, UN-IONIZED
ANTIMONY
ARSENIC
BENTHIC MACROINVERTEBRATES BIOASSESSMENTS
BIOCHEMICAL OXYGEN DEMAND (BOD)
BOTTOM DEPOSITS
CADMIUM
CHLORIDE
CHROMIUM, TOTAL
COMBINED BIOTA/HABITAT BIOASSESSMENTS
COPPER
CYANIDE
DDE
DDT
DISSOLVED GAS SUPERSATURATION
DISSOLVED OXYGEN
DISSOLVED OXYGEN SATURATION
ENDOSULFAN SULFATE
ENDRIN ALDEHYDE
ESCHERICHIA COLI (E. COLI)
FISH PASSAGE BARRIER
IRON
LEAD
MANGANESE
MERCURY
NICKEL
NITRATE/NITRITE (NITRITE + NITRATE AS N)
NITRATES
NITROGEN, NITRATE
NITROGEN, TOTAL
NON-NATIVE FISH/SHELLFISH/ZOOPLANKTON
NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS
OIL AND GREASE
ORGANIC ENRICHMENT (SEWAGE) BIOLOGICAL INDICATORS
OTHER CAUSE
PCB IN WATER COLUMN
PH
PHOSPHORUS, TOTAL
POLYCHLORINATED BIPHENYLS (PCBS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (AQUATIC ECOSYSTEMS)
SALINITY
SEDIMENTATION/SILTATION
SELENIUM
SILVER

**NC_CAUSE**

ARSENIC
CADMIUM
CHLORIDE
CHLOROPHYLL-A
COPPER
DIOXIN
DISSOLVED OXYGEN
ECOLOGICAL/BIOLOGICAL INTEGRITY BENTHOS
ECOLOGICAL/BIOLOGICAL INTEGRITY FISHCOM
ENTEROCOCCUS BACTERIA
FECAL COLIFORM
HIGH PH
LEAD
LOW PH
MERCURY IN WATER COLUMN
NICKEL
NITRATE/NITRITE (NITRITE + NITRATE AS N)
POLYCHLORINATED BIPHENYLS (PCBS)
RECREATION ADVISORY POSTINGS
SHELLFISH GROWING AREA-CONDITIONALLY APPROVED CLOSED
SHELLFISH GROWING AREA-CONDITIONALLY APPROVED OPEN
SHELLFISH GROWING AREA-PROHIBITED
TEMPERATURE
TURBIDITY
ZINC

| ND_CAUSE |
| --- |
| ARSENIC |
| BENTHIC MACROINVERTEBRATES BIOASSESSMENTS |
| CADMIUM |
| CHLORIDE |
| COMBINATION BENTHIC/FISHES BIOASSESSMENTS |
| COPPER |
| DISSOLVED OXYGEN |
| ESCHERICHIA COLI (E. COLI) |
| FECAL COLIFORM |
| FISH BIOASSESSMENTS |
| LEAD |
| METHYL MERCURY |
| NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS |
| SEDIMENTATION/SILTATION |
| SELENIUM |
| TEMPERATURE, WATER |
| TOTAL DISSOLVED SOLIDS (TDS) |

| NE_CAUSE |
| --- |
| ALGAL BLOOMS |
| ALGAL TOXINS |
| AMMONIA |
| ATRAZINE |
| BIOLOGICAL INTEGRITY |
| CHLORIDE |
| CHLOROPHYLL-A |
| CONDUCTIVITY |
| COPPER |
| DISSOLVED OXYGEN |
| ESCHERICHIA COLI (E. COLI) |
| FISH CONSUMPTION ADVISORY |
| NITROGEN, TOTAL |
| PH |
| PHOSPHORUS, TOTAL |
| SEDIMENT |
| SELENIUM |
| TEMPERATURE |

| NH_CAUSE |
| --- |
| 2-METHYLNAPHTHALENE |
| ACENAPHTHENE |
| ACENAPHTHYLENE |
| ALUMINUM |
| AMMONIA, UN-IONIZED |
| ANTHRACENE |
| ARSENIC |
| BARIUM |
| BENTHIC MACROINVERTEBRATES BIOASSESSMENTS |
| BENZO[A]ANTHRACENE |
| BENZO[A]PYRENE |
| BENZO[B]FLUORANTHENE |
| BENZO[G,H,I]PERYLENE |
| BENZO[K]FLUORANTHENE |
| BIPHENYL |
| CADMIUM |
| CHLORIDE |
| CHLOROPHYLL-A |
| CHROMIUM, TOTAL |
| CHRYSENE |
| COPPER |
| CREOSOTE |
| CYANOBACTERIA HEPATOTOXIC MICROCYSTINS |
| DDD |
| DDE |
| DDT |
| DIBENZ[A,H]ANTHRACENE |
| DIELDRIN |
| DIOXIN (INCLUDING 2,3,7,8-TCDD) |
| DISSOLVED OXYGEN |
| DISSOLVED OXYGEN SATURATION |
| ENDRIN |
| ENTEROCOCCUS BACTERIA |
| ESCHERICHIA COLI (E. COLI) |
| ESTUARINE BIOASSESSMENTS |
| EXCESS ALGAL GROWTH |
| FECAL COLIFORM |
| FISH BIOASSESSMENTS |
| FLUORANTHENE |
| FLUORENE |
| FOAM/FLOCS/SCUM/OIL SLICKS |
| HEPTACHLOR |
| INDENO[1,2,3-CD]PYRENE |
| IRON |
| LEAD |
| LIGHT ATTENUATION COEFFICIENT |

| NJ_CAUSE |
| --- |
| AMMONIA, UN-IONIZED |
| ARSENIC |
| BENZENE |
| BENZO[A]PYRENE |
| CADMIUM |
| CAUSE UNKNOWN |
| CHLORDANE |
| CHLORDANE IN FISH TISSUE |
| CHLORIDE |
| CHROMIUM, HEXAVALENT |
| CHROMIUM, TOTAL |
| COPPER |
| CYANIDE |
| DDD |
| DDE |
| DDT |
| DIELDRIN |
| DIOXIN (INCLUDING 2,3,7,8-TCDD) |
| DISSOLVED OXYGEN |
| ENTEROCOCCUS BACTERIA |
| ESCHERICHIA COLI (E. COLI) |
| FECAL COLIFORM |
| HEPTACHLOR EPOXIDE |
| HEXACHLOROBENZENE |
| LEAD |
| MERCURY IN FISH TISSUE |
| MERCURY IN WATER COLUMN |
| NICKEL |
| NITRATES |
| PCB(S) IN FISH TISSUE |
| PH |
| PHOSPHORUS, TOTAL |
| POLYCHLORINATED BIPHENYLS (PCBS) |
| SILVER |
| SULFATES |
| TEMPERATURE, WATER |
| TETRACHLOROETHYLENE |
| THALLIUM |
| TOTAL COLIFORM |
| TOTAL DISSOLVED SOLIDS (TDS) |
| TOTAL SUSPENDED SOLIDS (TSS) |
| TRICHLOROETHYLENE (TCE) |
| TURBIDITY |
| ZINC |

| NM_CAUSE |
| --- |
| ALUMINUM |
| ALUMINUM, ACUTE |
| ALUMINUM, CHRONIC |
| AMBIENT BIOASSAYS - ACUTE AQUATIC TOXICITY |
| AMMONIA, TOTAL |
| ARSENIC |
| BENTHIC MACROINVERTEBRATES |
| BENTHIC MACROINVERTEBRATES BIOASSESSMENTS |
| BORON |
| CADMIUM |
| COPPER, ACUTE |
| COPPER, CHRONIC |
| DDT IN FISH TISSUE |
| DISSOLVED OXYGEN |
| ESCHERICHIA COLI (E. COLI) |
| GROSS ALPHA |
| LEAD |
| MERCURY |
| MERCURY IN FISH TISSUE |
| NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS |
| PCB(S) IN FISH TISSUE |
| PH |
| PHOSPHORUS, TOTAL |
| POLYCHLORINATED BIPHENYLS (PCBS) |
| RADIUM 226 |
| RADIUM 228 |
| SEDIMENTATION/SILTATION |
| SELENIUM, TOTAL RECOVERABLE |
| SPECIFIC CONDUCTIVITY |
| TEMPERATURE |
| TEMPERATURE, WATER |
| THALLIUM |
| TURBIDITY |
| URANIUM |
| ZINC, ACUTE |

| NV_CAUSE |
| --- |
| ARSENIC |
| BORON |
| CADMIUM |
| COPPER |
| DISSOLVED OXYGEN |
| ESCHERICHIA COLI (E. COLI) |
| FECAL COLIFORM |
| FLUORIDE |
| IRON |
| MANGANESE |
| MERCURY IN FISH TISSUE |
| MERCURY IN SEDIMENT |
| MERCURY IN WATER COLUMN |
| NICKEL |
| NITROGEN, NITRATE |
| NITROGEN, TOTAL |
| ORTHOPHOSPHORUS |
| PH |
| PHOSPHORUS, TOTAL |
| SELENIUM |
| SULFATES |
| TEMPERATURE, WATER |
| TOTAL DISSOLVED SOLIDS (TDS) |
| TOTAL SUSPENDED SOLIDS (TSS) |
| TURBIDITY |
| ZINC |

**NY_CAUSE**

AESTHETICS
ALDICARB
ALGAL GROWTH
ALUMINUM
AMMONIA
ARSENIC
CADMIUM
CAUSE UNKNOWN
CHLORDANE
CHLORDANE/DDT
CHLORINE
CIS-1,2-DICHLOROETHYLENE
CLARITY
COLOR
COPPER
CYANIDE
DDD
DDT
DEBRIS
DIELDRIN
DIOXIN
FISH PASSAGE BARRIER
FLOATABLES
FLOW ALTERATION(S)
HABITAT
LEAD
MERCURY
METALS (OTHER THAN MERCURY)
METHYL TERTIARY-BUTYL ETHER (MTBE)
MIREX
NICKEL
NITRITE
NITROGEN
NUTRIENTS
NUTRIENTS/NUTRIENT RECYCLING
ODORS
OIL
OIL AND GREASE
ORGANOCHLORINE PESTICIDES
OTHER CAUSE
OTHER POLLUTANTS/ENCROACHMENT
OTHER POLLUTANTS/LOSS OF COVER, PREDATIO
OXYGEN DEMAND
PAPER SLUDGE
PATHOGENS
PESTICIDES

**OH_CAUSE**

ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS
ALUMINUM
AMMONIA
AMMONIA, TOTAL
AMMONIA, UN-IONIZED
ARSENIC
ATRAZINE
BARIUM
CAUSE UNKNOWN
CHEMICAL OXYGEN DEMAND (COD)
CHLORINE
COPPER
DDT IN TISSUE
DISSOLVED OXYGEN
EXCESS ALGAL GROWTH
EXOTIC SPECIES
FISH BARRIERS
FISH CONSUMPTION ADVISORY - HEXACHLOROBENZE
FISH CONSUMPTION ADVISORY - MIREX
FISH KILL(S)
FLOW ALTERATION(S)
HABITAT ALTERATIONS
IRON
MERCURY IN FISH TISSUE
METALS (OTHER THAN MERCURY)
NATURAL LIMITS
NATURAL LIMITS (DROUGHT)
NATURAL LIMITS (WETLANDS)
NICKEL
NITRATE
NITRATES
NITRITE/NITRATE
NUTRIENTS
OIL AND GREASE
ORGANIC ENRICHMENT
ORGANIC ENRICHMENT (SEWAGE) BIOLOGICAL INDICATORS
ORGANIC ENRICHMENT/LOW DISSOLVED OXYGEN
OTHER INORGANICS
PATHOGENS
PCB(S) IN FISH TISSUE
PESTICIDES
PH
PHOSPHORUS, TOTAL
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (AQUATIC ECOSYSTEMS)
PRIORITY ORGANICS COMPOUNDS
SALINITY/TOTAL DISSOLVED SOLIDS/CHLORIDES

**OK_CAUSE**

AMMONIA, UN-IONIZED
ARSENIC
BARIUM
BENTHIC MACROINVERTEBRATES BIOASSESSMENTS
CADMIUM
CHLORIDE
CHLOROPHYLL-A
CHLORPYRIFOS
CHROMIUM, TOTAL
COLOR
COPPER
DDT
DIAZINON
DIELDRIN
DISSOLVED OXYGEN
ENTEROCOCCUS BACTERIA
ESCHERICHIA COLI (E. COLI)
FISH BIOASSESSMENTS
LEAD
MERCURY
NITRATES
OIL AND GREASE
PH
PHOSPHORUS, TOTAL
SEDIMENTATION/SILTATION
SELENIUM
SILVER
SULFATES
THALLIUM
TOTAL DISSOLVED SOLIDS (TDS)
TOXAPHENE
TURBIDITY
ZINC

**OR_CAUSE**

ALDRIN
AMMONIA
AQUATIC WEEDS OR ALGAE
ARSENIC
BERYLLIUM
BIOLOGICAL CRITERIA
CADMIUM
CHLORDANE
CHLOROPHYLL-A
CHLORPYRIFOS
CHROMIUM, HEXAVALENT
COPPER
DDE
DDT
DICHLOROETHYLENE/1,1-DCE
DIELDRIN
DISSOLVED OXYGEN
ESCHERICHIA COLI (E. COLI)
FECAL COLIFORM
GUTHION(AZINPHOS-METHYL)
HEPTACHLOR
IRON
LEAD
MANGANESE
MERCURY
NICKEL
NITRATES
PENTACHLOROPHENOL (PCP)
PH
PHOSPHORUS
POLYCHLORINATED BIPHENYLS (PCBS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (AQUATIC ECOSYSTEMS)
SEDIMENTATION
SILVER
TEMPERATURE
TETRACHLOROETHYLENE
TOTAL DISSOLVED GAS
TRICHLOROETHYLENE (TCE)
TURBIDITY
ZINC

| PA_CAUSE | PR_CAUSE |
|---|---|
| AMMONIA, UN-IONIZED | AMMONIA |
| CAUSE UNKNOWN | ARSENIC |
| CHLORDANE | CADMIUM |
| CHLORINE | COPPER |
| COLOR | CYANIDE |
| DIOXINS | DISSOLVED OXYGEN |
| DISSOLVED OXYGEN | ENTEROCOCCUS BACTERIA |
| EXCESS ALGAL GROWTH | FECAL COLIFORM |
| MERCURY | LEAD |
| METALS (OTHER THAN MERCURY) | MERCURY |
| MIREX | NITRATE/NITRITE |
| NONPRIORITY ORGANICS | OIL AND GREASE |
| NOXIOUS AQUATIC PLANTS | OTHER INORGANICS |
| NUTRIENTS | PESTICIDES |
| OIL AND GREASE | PH |
| ORGANIC ENRICHMENT/LOW DISSOLVED OXYGEN | PHOSPHORUS |
| OTHER CAUSE | SELENIUM |
| OTHER HABITAT ALTERATION(S) | SILVER |
| OTHER INORGANICS | SURFACTANTS |
| PATHOGENS | THERMAL MODIFICATIONS |
| PESTICIDES | TOTAL COLIFORM |
| PH | TURBIDITY |
| POLYCHLORINATED BIPHENYLS (PCBS) | |
| PRIORITY ORGANICS COMPOUNDS | |
| SALINITY/TOTAL DISSOLVED SOLIDS/CHLORIDES | |
| SILTATION | |
| SUSPENDED SOLIDS | |
| TASTE AND ODOR | |
| THERMAL MODIFICATIONS | |
| TURBIDITY | |
| UNKNOWN TOXICITY | |

**RI_CAUSE**

ALUMINUM
AMBIENT BIOASSAYS - CHRONIC AQUATIC TOXICITY
AQUATIC MACROINVERTEBRATE BIOASSESSMENTS
BENTHIC MACROINVERTEBRATES BIOASSESSMENTS
CADMIUM
CHLORIDE
COPPER
DIOXIN (INCLUDING 2,3,7,8-TCDD)
DISSOLVED OXYGEN
ENTEROCOCCUS BACTERIA
FECAL COLIFORM
IRON
LEAD
MERCURY
MERCURY IN FISH TISSUE
MERCURY IN WATER COLUMN
NITROGEN, TOTAL
PCB(S) IN FISH TISSUE
PHOSPHORUS, TOTAL
POLYCHLORINATED BIPHENYLS (PCBS)
SEDIMENT BIOASSAYS FOR ESTUARINE AND MARINE WATER
TOTAL SUSPENDED SOLIDS (TSS)
TURBIDITY
WHOLE EFFLUENT TOXICITY (WET)

| SC_CAUSE |
| --- |
| AMMONIA, TOTAL |
| BENTHIC MACROINVERTEBRATES BIOASSESSMENTS |
| CHLOROPHYLL-A |
| CHROMIUM, TOTAL |
| COPPER |
| DISSOLVED OXYGEN |
| ENTEROCOCCUS BACTERIA |
| FECAL COLIFORM |
| MERCURY |
| NICKEL |
| NITROGEN, TOTAL |
| PH |
| PHOSPHORUS, TOTAL |
| POLYCHLORINATED BIPHENYLS (PCBS) |
| TURBIDITY |
| ZINC |

| SD_CAUSE |
| --- |
| CAUSE UNKNOWN |
| CHLOROPHYLL-A |
| DISSOLVED OXYGEN |
| ESCHERICHIA COLI (E. COLI) |
| FECAL COLIFORM |
| MERCURY |
| PH |
| SALINITY |
| SODIUM |
| SPECIFIC CONDUCTIVITY |
| TEMPERATURE, WATER |
| TOTAL DISSOLVED SOLIDS (TDS) |
| TOTAL SUSPENDED SOLIDS (TSS) |

**TN_CAUSE**

ACETONE
ALDRIN
ALTERATION IN STREAM-SIDE OR LITTORAL VEGETATIVE COVERS
ALUMINUM
AMMONIA, UN-IONIZED
AQUATIC PLANTS - NATIVE
ARSENIC
CAUSE UNKNOWN
CESIUM
CHLORDANE
CHLORIDE
CHLORINE
CHROMIUM, HEXAVALENT
COAL ASH
COLOR
COPPER
CREOSOTE
DDT
DIELDRIN
DIOXIN (INCLUDING 2,3,7,8-TCDD)
DISSOLVED OXYGEN
ENDRIN
ESCHERICHIA COLI (E. COLI)
IRON
LEAD
MANGANESE
MERCURY
NITRATE/NITRITE (NITRITE + NITRATE AS N)
NITRATES
NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS
ODOR THRESHOLD NUMBER
OIL AND GREASE
OTHER ANTHROPOGENIC SUBSTRATE ALTERATIONS
PCB-1260
PH
PH, LOW
PHOSPHATE
PHOSPHORUS, TOTAL
PHYSICAL SUBSTRATE HABITAT ALTERATIONS
POLYCHLORINATED BIPHENYLS (PCBS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (AQUATIC ECOSYSTEMS)
RDX (HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE)
SEDIMENTATION/SILTATION
SILTATION
SLUDGE
SOLIDS (SUSPENDED/BEDLOAD)

| TX_CAUSE | UT_CAUSE |
|---|---|
| ALUMINUM | ARSENIC |
| BACTERIA | BENTHIC MACROINVERTEBRATES BIOASSESSMENTS |
| BACTERIA (OYSTER WATERS) | BORON |
| CHLORIDE | CADMIUM |
| COPPER | DISSOLVED OXYGEN |
| DDE | ESCHERICHIA COLI (E. COLI) |
| DIOXIN (INCLUDING 2,3,7,8-TCDD) | FECAL COLIFORM |
| DISSOLVED OXYGEN | MERCURY IN FISH TISSUE |
| FISH COMMUNITY | PCB(S) IN FISH TISSUE |
| IMPAIRED MACROBENTHOS COMMUNITY | PH |
| MERCURY IN FISH TISSUE | PHOSPHORUS, TOTAL |
| MERCURY IN WATER COLUMN | SELENIUM |
| PCB(S) IN FISH TISSUE | TEMPERATURE, WATER |
| PH | TOTAL DISSOLVED SOLIDS (TDS) |
| SEDIMENT TOXICITY | |
| SELENIUM | |
| SULFATES | |
| TOTAL DISSOLVED SOLIDS (TDS) | |
| TOXICITY | |
| ZINC | |

| VA_CAUSE |
| --- |
| ALDRIN |
| AMMONIA, UN-IONIZED |
| BENTHIC MACROINVERTEBRATES BIOASSESSMENTS |
| BENZO[A]PYRENE |
| BENZO[B]FLUORANTHENE |
| BENZO[K]FLUORANTHENE |
| CADMIUM |
| CHLORDANE |
| CHLORIDE |
| CHLOROPHYLL-A |
| COPPER |
| DDD |
| DDE |
| DDT |
| DDT IN TISSUE |
| DIOXIN (INCLUDING 2,3,7,8-TCDD) |
| DISSOLVED OXYGEN |
| ENTEROCOCCUS BACTERIA |
| ESCHERICHIA COLI (E. COLI) |
| ESTUARINE BIOASSESSMENTS |
| FECAL COLIFORM |
| HEPTACHLOR EPOXIDE |
| MACROPHYTES |
| MERCURY IN FISH TISSUE |
| MIREX |
| NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS |
| PCB(S) IN FISH TISSUE |
| PH |
| PHOSPHORUS, TOTAL |
| POLYCHLORINATED BIPHENYLS (PCBS) |
| SEDIMENT BIOASSAYS FOR ESTUARINE AND MARINE WATER |
| TEMPERATURE |
| ZINC |

| VI_CAUSE |
| --- |
| DISSOLVED OXYGEN |
| ENTEROCOCCUS BACTERIA |
| FECAL COLIFORM |
| PH |
| PHOSPHORUS |
| SECCHI DISK TRANSPARENCY |
| TEMPERATURE |
| TOXICITY |
| TURBIDITY |

**VT_CAUSE**

AG RUNOFF
ASBESTOS
ESCHERICHIA COLI (E. COLI)
IRON
METALS, ACID - MINING
NUTRIENTS
ORGANIC ENRICHMENT (SEWAGE) BIOLOGICAL INDICATORS
PCB(S) IN FISH TISSUE
PH
PH, LOW
PHOSPHORUS, TOTAL
SEDIMENTATION/SILTATION
STORMWATER
TEMPERATURE, WATER
TOXICS
ZINC

**WA_CAUSE**

1,2,4-TRICHLOROBENZENE
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (ONLY)
2,4-DIMETHYLPHENOL
2-METHYLNAPHTHALENE
4-METHYLPHENOL
ACENAPHTHENE
ACENAPHTHYLENE
ALDRIN
ALPHA-BHC
AMMONIA, TOTAL
ANTHRACENE
ARSENIC
BENZOIC ACID
BENZO[A]ANTHRACENE
BENZO[A]PYRENE
BENZO[B]FLUORANTHENE
BENZO[G,H,I]PERYLENE
BENZO[K]FLUORANTHENE
BENZYL ALCOHOL
BIOASSESSMENT
BIS(N-OCTYL) PHTHALATE
BUTYL BENZYL PHTHALATE
CADMIUM
CHLORDANE
CHLORINATED PESTICIDES
CHLORINE
CHLORPYRIFOS
CHROMIUM, TOTAL
CHRYSENE
COPPER
DDD
DDE
DDT
DEHP (DI-SEC-OCTYL PHTHALATE)
DIAZINON
DIBENZOFURAN
DIBENZ[A,H]ANTHRACENE
DIBUTYL PHTHALATE
DIELDRIN
DIETHYL PHTHALATE
DIMETHYL PHTHALATE
DIOXIN
DISSOLVED OXYGEN
ENDOSULFAN
FECAL COLIFORM
FINE SEDIMENT

**WI_CAUSE**

AMMONIA
AQUATIC TOXICITY
ARSENIC
BACTERIA
BEACH CLOSURES
BIOCHEMICAL OXYGEN DEMAND (BOD)
COAL TAR
CREOSOTE
DEGRADED HABITAT
DIOXIN
DISSOLVED OXYGEN
EUTROPHICATION
FISH CONSUMPTION ADVISORY
FISH CONSUMPTION ADVISORY - MERCURY
FISH CONSUMPTION ADVISORY - PCBS
FISH KILL(S)
MERCURY
METALS (OTHER THAN MERCURY)
NUTRIENTS
PETROLEUM PRODUCTS
PH
PHOSPHORUS
POLYCHLORINATED BIPHENYLS (PCBS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (AQUATIC ECOSYSTEMS)
SEDIMENT
SEDIMENT OXYGEN DEMAND
TEMPERATURE
TOXIC SUBSTANCES
TURBIDITY
URBAN RUNOFF
WILDLIFE
WINTER KILLS

**WV_CAUSE**

2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (ONLY)
ALUMINUM
BACTERIA
BENTHIC MACROINVERTEBRATES BIOASSESSMENTS
CHLORIDE
DISSOLVED OXYGEN
FECAL COLIFORM
IRON
LEAD
MANGANESE
METALS (OTHER THAN MERCURY)
NITRITE AS NITROGEN
PH
POLYCHLORINATED BIPHENYLS (PCBS)
SELENIUM
TEMPERATURE
ZINC

**WY_CAUSE**

AMMONIA, UN-IONIZED
ARSENIC
CHLORIDE
ESCHERICHIA COLI (E. COLI)
FECAL COLIFORM
MANGANESE
NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS
OIL AND GREASE
PH
PHOSPHATE
PHYSICAL SUBSTRATE HABITAT ALTERATIONS
SEDIMENTATION/SILTATION
SELENIUM
TEMPERATURE, WATER

TN
TT
TX
UT
VA
VI
VT
WA
WI
WV
WY

CYANOBACTERIA HEPATOTOXIC MICROCYSTINS
DDD
DDE
DDT
DDT IN SEDIMENT
DDT IN TISSUE
DDT IN TISSUE AND SEDIMENT
DEBRIS
DIAZINON
DIBENZ[A,H]ANTHRACENE
DICHLORVOS
DIELDRIN
DIELDRIN IN SEDIMENT
DIELDRIN IN TISSUE
DIMETHOATE
DIOXIN
DIOXIN (INCLUDING 2,3,7,8-TCDD)
DISSOLVED OXYGEN
DISULFOTON
DIURON
ENDOSULFAN
ENDRIN
ENTEROCOCCUS BACTERIA
ESCHERICHIA COLI (E. COLI)
EUTROPHICATION
EXOTIC VEGETATION
FECAL COLIFORM
FISH BARRIERS
FISH CONSUMPTION ADVISORY
FISH KILL(S)
FLUORIDE
FURAN COMPOUNDS
GROUP A PESTICIDES
GUTHION(AZINPHOS-METHYL)
HEPTACHLOR EPOXIDE
HEXACHLOROBENZENE
HYDROGEN SULFIDE
HYDROMODIFICATION
INDICATOR BACTERIA
INVASIVE EXOTIC SPECIES
IRON
LEAD
LINDANE
MALATHION
MANGANESE
MERCURY
MERCURY IN FISH TISSUE

TOTAL DISSOLVED SOLIDS (TDS)
TOTAL KJEHLDAHL NITROGEN (TKN)
TOTAL SUSPENDED SOLIDS (TSS)
TURBIDITY
ZINC

POLYCHLORINATED BIPHENYLS (PCBS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (AQUATIC ECOSYSTEMS)
SALINITY
SECCHI DISK TRANSPARENCY
SEDIMENT BIOASSAY
SEDIMENT BIOASSAYS - ACUTE TOXICITY FRESHWATER
SEDIMENT SCREENING VALUE (EXCEEDENCE)
SEDIMENTATION/SILTATION
SULFIDE-HYDROGEN SULFIDE
TASTE AND ODOR
TEMPERATURE, WATER
TOTAL SUSPENDED SOLIDS (TSS)
TURBIDITY
WHOLE EFFLUENT TOXICITY (WET)

SODIUM
SOLIDS (SUSPENDED/BEDLOAD)
SPECIFIC CONDUCTIVITY
SULFATES
TEMPERATURE, WATER
THALLIUM
TOTAL DISSOLVED SOLIDS (TDS)
TOTAL KJEHLDAHL NITROGEN (TKN)
TURBIDITY
URANIUM
ZINC

LINDANE
MANGANESE
MERCURY
NAPHTHALENE
NICKEL
NITROGEN, TOTAL
PH
PHENANTHRENE
PHOSPHORUS, TOTAL
POLYCHLORINATED BIPHENYLS (PCBS)
PYRENE
SEDIMENTATION/SILTATION
TASTE AND ODOR
TRANS-NONACHLOR
TURBIDITY
ZINC

PH
PHENOL
PHOSPHORUS
POLYCHLORINATED BIPHENYLS (PCBS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (AQUATIC ECOSYSTEMS)
PRIORITY ORGANICS
PRIORITY POLLUTANTS
PROBLEM SPECIES
SALTS
SEDIMENTATION/SILTATION
SLUDGE
THERMAL MODIFICATIONS
TOTAL TRIHALOMETHANE (TTHM)
TRASH
TURBIDITY
UNKNOWN TOXICITY
VOLATILE ORGANICS (VOCS)
ZINC

SEDIMENTATION/SILTATION
SILTATION
SULFATES
SUSPENDED SOLIDS
TASTE AND ODOR
TEMPERATURE
THERMAL MODIFICATIONS
TOTAL DISSOLVED SOLIDS (TDS)
TOTAL TOXICS
TURBIDITY
UNKNOWN TOXICITY
ZINC

STRONTIUM
SULFATES
SULFIDE-HYDROGEN SULFIDE
TASTE AND ODOR
TEMPERATURE, WATER
TOLUENE
TOTAL DISSOLVED SOLIDS (TDS)
WHOLE EFFLUENT TOXICITY (WET)
ZINC

FLUORANTHENE
FLUORENE
FURAN COMPOUNDS
HEPTACHLOR
HEXACHLOROBENZENE
HEXACHLOROBUTADIENE
HPAH
INDENO[1,2,3-CD]PYRENE
LEAD
LPAH
MERCURY
N-NITROSODIPHENYLAMINE
NAPHTHALENE
NITROGEN, TOTAL
O-CRESOL (2-METHYLPHENOL)
O-DICHLOROBENZENE
P-DICHLOROBENZENE
PENTACHLOROPHENOL (PCP)
PH
PHENANTHRENE
PHENOL
PHOSPHORUS, TOTAL
POLYCHLORINATED BIPHENYLS (PCBS)
PYRENE
SEDIMENT BIOASSAY
SILVER
TEMPERATURE
TOTAL BENZOFLUORANTHENES
TOTAL DISSOLVED GAS
TOXAPHENE
TURBIDITY
WATER COLUMN BIOASSAY
ZINC

MERCURY IN SEDIMENT
METALS (OTHER THAN MERCURY)
MOLYBDENUM
NICKEL
NITRATE
NITRATE/NITRITE
NITRITE AS NITROGEN
NITROGEN
NITROGEN, NITRATE
NITROGEN, TOTAL
NUTRIENT/EUTROPHICATION BIOLOGICAL INDICATORS
NUTRIENTS
ODORS
OIL
ORGANIC ENRICHMENT/LOW DISSOLVED OXYGEN
ORGANOPHOSPHORUS PESTICIDES
OTHER HABITAT ALTERATION(S)
OXYFLUORFEN
PATHOGENS
PCB(S) IN FISH TISSUE
PCBS - DIOXIN-LIKE
PCBS IN SEDIMENTS AND FISH TISSUE
PENTACHLOROPHENOL (PCP)
PERCHLORATE
PERMETHRIN
PESTICIDES
PH
PH, HIGH
PH, LOW
PHENANTHRENE
PHOSPHATE
PHOSPHORUS
POLYCHLORINATED BIPHENYLS (PCBS)
POLYCYCLIC AROMATIC HYDROCARBONS (PAHS) (AQUATIC ECOSYSTEMS)
PRIORITY ORGANICS COMPOUNDS
PROMETRYN
PUMPING
PYRENE
PYRETHROIDS
REDUCED TIDAL FLUSHING
SALINITY
SALINITY/TOTAL DISSOLVED SOLIDS/CHLORIDES
SCUM/FOAM, UNNATURAL
SEDIMENT
SEDIMENT TOXICITY
SEDIMENTATION/SILTATION
SELENIUM

SHELLFISH HARVESTING ADVISORY
SILVER
SIMAZINE
SODIUM
SOLIDS
SPECIFIC CONDUCTIVITY
SULFATES
SURFACTANTS
SYNTHETIC ORGANICS
TEMPERATURE
TEMPERATURE, WATER
THALLIUM
TOTAL COLIFORM
TOTAL DISSOLVED SOLIDS (TDS)
TOTAL SUSPENDED SOLIDS (TSS)
TOXAPHENE
TOXICITY
TRACE ELEMENTS
TRASH
TRIFLURALIN
TURBIDITY
UNKNOWN TOXICITY
WATER DIVERSION
ZINC