

Biological Subgroup Themes and Keywords

February 1, 2016

Initial themes based on **purpose of monitoring**, with associated, compiled keywords:

*NOTE: keywords in **bold** are found in more than one theme; some bolded are partial phrases or approximations (e.g., harmful algae vs harmful algal bloom, fishery vs. fisheries) found in more than one theme. Keywords in red are water chemistry parameters.*

Regional ecosystem assessment - Remote Sensing, satellite imagery, sea level rise

Trend analyses - Habitat Suitability, growth, density, gender analysis, fish growth rates, **fish biomass**, fish **mortality**, **fisheries** size structure, **fishery** catch rates, fish community composition

Habitat assessment – benthic, pelagic, coastal, coastal zones, marine, freshwater, estuarine, wetlands, uplands, riverine, lacustrine, aerial photography, core samples, deepwater, elevation, estuaries, hardbottom, land use, salt marshes, substrate type, tidal flats, wetlands, coral reefs, worm reefs, seagrass, **lake vegetation** mapping, biobase, **stream habitat** mapping, mangroves

Regulatory- Linear Vegetation Survey (LVS), **Stream** Condition Index (SCI), **Lake Vegetation** Index (LVI), Rapid Periphyton Assessment (RPA), bioassessment, macroinvertebrates, submerged aquatic vegetation, management, dredging, economic areas, ecoregions, **endangered species**, managed areas, mercury in fish, fish contaminants, trophic status

Research – **fisheries**, biology, chemistry, wildlife, disease, genetics, GIS/mapping/**remote sensing**, botany, oil spill, water quality, **harmful algae**, upland vegetation, change detection, dietary structure, Point Source Discharge, fish recruitment (related to stream flow), **impaired fisheries abundance**, **impaired** mussel **abundance**, fish community composition related to dissolved oxygen

Potable water supply - fecal coliforms, *E. coli*, total coliforms, *Enterococci*, bacteria

Resource management – terrestrial wildlife, marine wildlife, mammals, reptiles, amphibians, molluscs, crustacean, invertebrates, **fish** (could break down into gamefish, pelagic fish, inshore fish, reef fish, sportfish, non-game fish, **impaired** fish, exotic fish), avian/birds, beach renourishment, bioaccumulation, Environmental Sensitivity Index, freshwater **fisheries** assessment

Other – **abundance**, survey, biostatistics, demography, distribution, grazing, **habitat**, health, hunting, restoration, migration, **mortality**, population, age and growth, productivity, tagging, survival, telemetry, **vegetation**, climate, climate change, **impaired** species, **endangered species**, threatened species, species of greatest conservation need, **fisheries**, stock enhancement, DNA, diversity, density, water clarity, dissolved oxygen, surface winds,

temperature, depth, juveniles, larvae, pH, biomass, phytoplankton, chlorophyll, salinity, turbidity, water quality, biomarker, harmful algal bloom, sediments, colony, zooplankton, bottom type, feeder categories, behavior, colony.