

# Exhibit 2-1: Water - Questions and Indicators

## Waters and Watersheds

Question	Indicator Name	Category	Section
What is the condition of fresh surface waters and watersheds in the U.S.?	Altered fresh water ecosystems	2	2.2.1
	Lake Trophic State Index	2	2.2.1
What are the extent and condition of wetlands?	Wetland extent and change	1	2.2.2
	Sources of wetland change/loss	2	2.2.2
What is the condition of coastal waters?	Water clarity in coastal waters	2	2.2.3
	Dissolved oxygen in coastal waters	2	2.2.3
	Total organic carbon in sediments	2	2.2.3
	Chlorophyll concentrations	2	2.2.3
What are pressures to water quality?	General pressures		
	Percent urban land cover in riparian areas	2	2.2.4.a
	Agricultural lands in riparian areas	2	2.2.4.a
	Population density in coastal areas	2	2.2.4.a
	Changing stream flows	1	2.2.4.a
	Number/duration of dry stream flow periods in grassland/shrublands	2	2.2.4.a
	Sedimentation index	2	2.2.4.a
	Nutrient pressures		
	Atmospheric deposition of nitrogen	2	2.2.4.b
	Nitrate in farmland, forested, and urban streams and ground water	2	2.2.4.b
	Total nitrogen in coastal waters	2	2.2.4.b
	Phosphorus in farmland, forested, and urban streams	2	2.2.4.b
	Phosphorus in large rivers	2	2.2.4.b
	Total phosphorus in coastal waters	2	2.2.4.b
	Chemical Pressures		
	Atmospheric deposition of mercury	2	2.2.4.c
	Chemical contamination in streams and ground water	2	2.2.4.c
	Pesticides in farmland streams and ground water	2	2.2.4.c
	Acid sensitivity in lakes and streams	2	2.2.4.c
	Toxic releases to water of mercury, dioxin, lead, PCBs, and PBTs	2	2.2.4.c
Sediment contamination of inland waters	2	2.2.4.c	
Sediment contamination of coastal waters	2	2.2.4.c	
Sediment toxicity in estuaries	2	2.2.4.c	
What ecological effects are associated with impaired waters?	Fish Index of Biotic Integrity in streams Also see Ecological Condition chapter	2	2.2.5
	Macroinvertebrate Biotic Integrity index for streams Also see Ecological Condition chapter	2	2.2.5
	Benthic Community Index for coastal waters Also see Ecological Condition chapter	2	2.2.5

## Drinking Water

Question	Indicator Name	Category	Section
What is the quality of drinking water?	Population served by community water systems that meets all health-based standards	1	2.3.1
What are sources of drinking water contamination?	No Category 1 or 2 indicators identified		2.3.2
What human health effects are associated with drinking contaminated water?	No Category 1 or 2 indicators identified Also see Human Health chapter		2.3.3

## Recreation in and on the Water

Question	Indicator Name	Category	Section
What is the condition of waters supporting recreational use?	Number of beach days that beaches are closed or under advisory	2	2.4.1
What are sources of recreational water pollution?	No Category 1 or 2 indicators identified		2.4.2
What human health effects are associated with recreation in contaminated waters?	No Category 1 or 2 indicators identified Also see Human Health chapter		2.4.3

## Consumption of Fish and Shellfish

Question	Indicator Name	Category	Section
What is the condition of waters that support consumption of fish and shellfish?	Percent of river miles and lake acres under fish consumption advisories	2	2.5.1
	Contaminants in fresh water fish	2	2.5.1
	Number of watersheds exceeding health-based national water quality criteria for mercury and PCBs in fish tissue	2	2.5.1
What are contaminants in fish and shellfish, and where do they originate?	No Category 1 or 2 indicators identified		2.5.2
What human health effects are associated with consuming contaminated fish and shellfish?	No Category 1 or 2 indicators identified Also see Human Health chapter		2.5.3