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The State of the Nation's Ecosystems: The Indicators at a Glance

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Core National Indicators



Coasts and Oceans



Farmlands

SYSTEM DIMENSIONS				
Extent	<ul style="list-style-type: none"> ● Ecosystem Extent 	<ul style="list-style-type: none"> ● Coastal Living Habitats ● Shoreline Types 	<ul style="list-style-type: none"> ● Total Cropland ● The Farmland Landscape 	
Fragmentation and Landscape Pattern	<ul style="list-style-type: none"> ⊕ Fragmentation and Landscape Pattern 		<ul style="list-style-type: none"> ⊖ Fragmentation of Farmland Landscapes by Development ⊖ Shape of "Natural" Patches in the Farmland Landscape 	
CHEMICAL AND PHYSICAL CONDITIONS				
Nutrients, Carbon, and Oxygen	<ul style="list-style-type: none"> ● Movement of Nitrogen 	<ul style="list-style-type: none"> ⊖ Areas with Depleted Oxygen 	<ul style="list-style-type: none"> ● Nitrate in Farmland Streams and Groundwater ● Phosphorus in Farmland Streams ⊖ Soil Organic Matter 	
Contaminants	<ul style="list-style-type: none"> ● Chemical Contaminants 	<ul style="list-style-type: none"> ● Contamination in Bottom Sediments 	<ul style="list-style-type: none"> ● Pesticides in Farmland Streams and Groundwater 	
Physical		<ul style="list-style-type: none"> ⊖ Coastal Erosion ● Sea Surface Temperature 	<ul style="list-style-type: none"> ● Soil Erosion ⊖ Soil Salinity 	
BIOLOGICAL COMPONENTS				
Plants and Animals	<ul style="list-style-type: none"> ● At-Risk Native Species 	<ul style="list-style-type: none"> ⊖ At-Risk Marine Species ⊕ Non-native Species ● Unusual Marine Mortalities 	<ul style="list-style-type: none"> ⊕ Status of Animal Species in Farmland Areas ⊕ Native Vegetation in Areas Dominated by Croplands 	
Communities	<ul style="list-style-type: none"> ⊕ Condition of Plant and Animal Communities 	<ul style="list-style-type: none"> ⊕ Harmful Algal Blooms ● Condition of Bottom Dwelling Animals 	<ul style="list-style-type: none"> ⊖ Soil Biological Condition ⊕ Stream Habitat Quality 	
Ecological Productivity	<ul style="list-style-type: none"> ● Plant Growth Index 	<ul style="list-style-type: none"> ● Chlorophyll Concentrations 		
HUMAN USES				
Food, Fiber, and Water	<ul style="list-style-type: none"> ● Production of Food and Fiber and Water Withdrawals 	<ul style="list-style-type: none"> ● Commercial Fish and Shellfish Landings ● Status of Commercially Important Fish Stocks ⊖ Selected Contaminants in Fish and Shellfish 	<ul style="list-style-type: none"> ● Major Crop Yields ● Agricultural Inputs and Outputs ● Monetary Value of Agricultural Production 	
Recreation and Other Services	<ul style="list-style-type: none"> ● Outdoor Recreation ⊕ Natural Ecosystem Services 	<ul style="list-style-type: none"> ⊖ Recreational Water Quality 	<ul style="list-style-type: none"> ⊖ Recreation on Farmlands 	



Forests



Fresh Waters



Grasslands and Shrublands



Urban and Suburban Areas

<ul style="list-style-type: none"> ● Forest Area and Ownership ● Forest Types ● Forest Management Categories 	<ul style="list-style-type: none"> ◐ Extent of Freshwater Ecosystems ◐ Altered Freshwater Ecosystems 	<ul style="list-style-type: none"> ● Area of Grasslands and Shrublands ◐ Land Use 	<ul style="list-style-type: none"> ● Area of Urban/ Suburban Lands ⊖ Total Impervious Area ⊕ Stream Bank Vegetation
<ul style="list-style-type: none"> ◐ Forest Pattern and Fragmentation 		<ul style="list-style-type: none"> ⊖ Area and Size of Grassland/Shrubland Patches 	<ul style="list-style-type: none"> ⊕ Suburban/Rural Land Use Change ● Patches of Forest, Grasslands/Shrublands, and Wetlands
<ul style="list-style-type: none"> ● Nitrate in Forest Streams ◐ Carbon Storage 	<ul style="list-style-type: none"> ◐ Phosphorus in Lakes, Reservoirs, and Large Rivers <p>Also see Core National, Farmlands, Forest, Grasslands/Shrublands, and Urban/Suburban Indicators</p>	<ul style="list-style-type: none"> ⊖ Nitrate in Groundwater ⊖ Carbon Storage 	<ul style="list-style-type: none"> ● Nitrate in Urban/ Suburban Streams ● Phosphorus in Urban/ Suburban Streams
	<p>Also see Core National, Farmlands, and Urban/Suburban Indicators</p>		<ul style="list-style-type: none"> ● Air Quality ◐ Chemical Contamination
	<ul style="list-style-type: none"> ● Changing Stream Flows ⊖ Water Clarity 	<ul style="list-style-type: none"> ● Number and Duration of Dry Periods in Streams and Rivers ⊖ Depth to Shallow Groundwater 	<ul style="list-style-type: none"> ⊕ Urban Heat Island
<ul style="list-style-type: none"> ◐ At-Risk Native Species ⊖ Area Covered by Non-native Plants 	<ul style="list-style-type: none"> ◐ At-Risk Native Species ◐ Non-Native Species ◐ Animal Deaths and Deformities 	<ul style="list-style-type: none"> ◐ At-Risk Native Species ⊖ Non-native Plant Cover ● Population Trends in Invasive and Non-invasive Birds 	<ul style="list-style-type: none"> ⊖ Species Status ⊖ Disruptive Species
<ul style="list-style-type: none"> ◐ Forest Age ● Forest Disturbance: Fire, Insects, and Disease ⊖ Fire Frequency ⊖ Forest Community Types with Significantly Reduced Area 	<ul style="list-style-type: none"> ⊖ Status of Freshwater Animal Communities ◐ At-Risk Freshwater Plant Communities ⊕ Stream Habitat Quality 	<ul style="list-style-type: none"> ⊖ Fire Frequency ⊕ Riparian Condition 	<ul style="list-style-type: none"> ⊖ Status of Animal Communities in Urban/Suburban Streams
<ul style="list-style-type: none"> ● Timber Harvest ● Timber Growth and Harvest 	<ul style="list-style-type: none"> ● Water Withdrawals ⊖ Groundwater Levels ● Waterborne Human Disease Outbreaks 	<ul style="list-style-type: none"> ● Production of Cattle 	
<ul style="list-style-type: none"> ⊖ Recreation in Forests 	<ul style="list-style-type: none"> ⊖ Freshwater Recreation Activities 	<ul style="list-style-type: none"> ⊖ Recreation on Grasslands and Shrublands 	<ul style="list-style-type: none"> ⊖ Publicly Accessible Open Space Per Resident ⊕ Natural Ecosystem Services

● All Necessary Data Available
◐ Partial Data Available
⊖ Data Not Adequate for National Reporting
⊕ Indicator Development Needed