

# *Some State Uses of Ecoregions*

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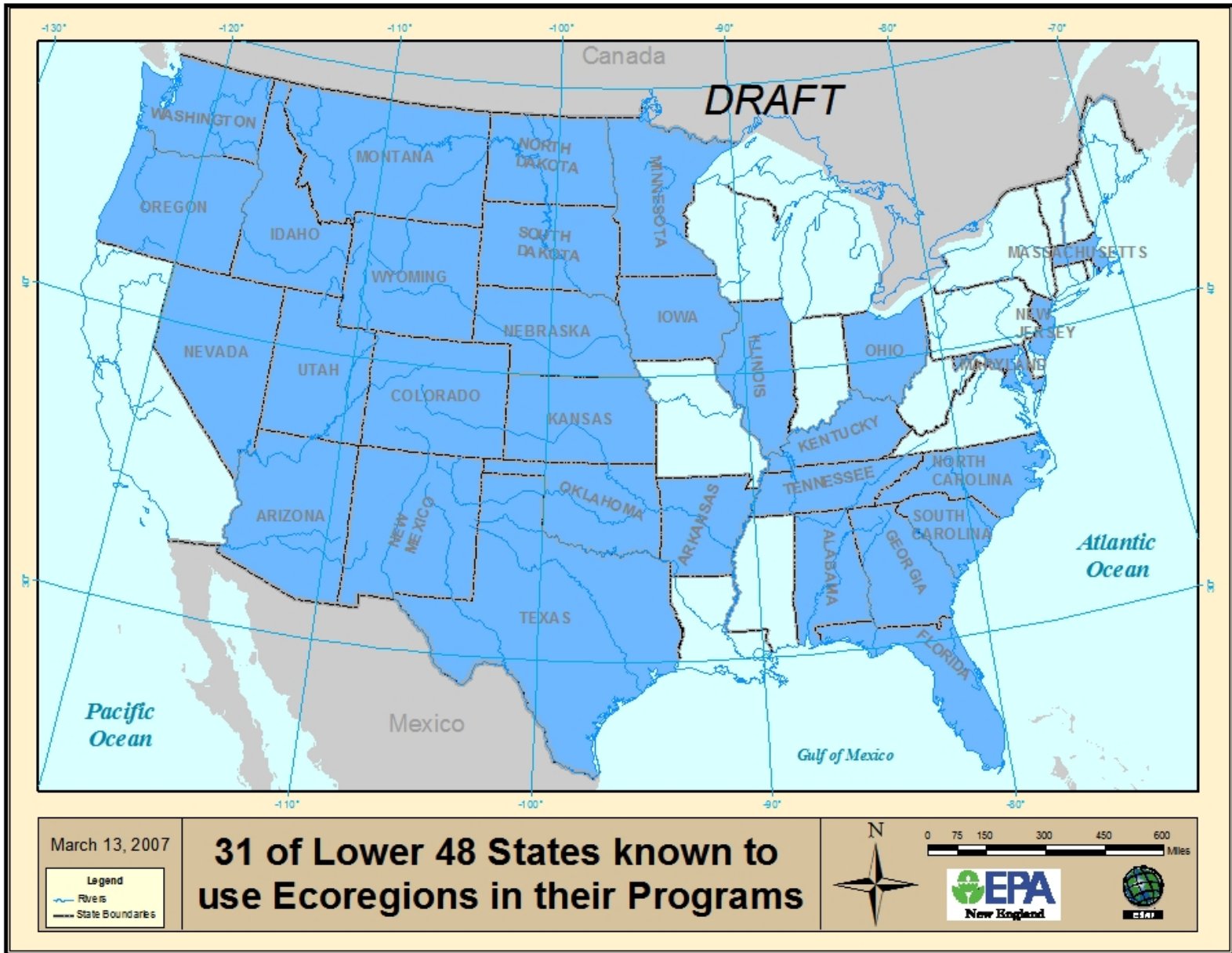


# 16 Page (Draft) Summary

- Compiled a 16 page (draft) handout and PDF (available on request) summarizing some state uses of ecoregions;
- Most uses were clearly of EPA Level III and IV ecoregions;
- Excluded examples using Forest Service (Bailey) or TNC terrestrial ecoregions;
- Some TNC/Heritage Program aquatic uses include EPA ecoregions (e.g. MANHESP);

# 31 of Lower 48 States using Ecoregions in their Programs

- Alabama, Arkansas, Arizona, Colorado, Florida, Georgia, Idaho, Illinois, Iowa, Kansas, Kentucky, Maryland, Massachusetts, Minnesota, Montana, Nebraska, New Jersey, New Mexico, Nevada, North and South Carolina, North and South Dakota, Ohio, Oklahoma, Oregon, Tennessee, Texas, Utah, Washington, Wyoming



Note: States in Dark Blue are those known to use ecoregions.

# Some State Uses of Ecoregions

- Fish, benthic macroinvertebrate, phytoplankton, periphyton, algal monitoring;
- Development of IBIs;
- Tiered Aquatic Life Uses;
- Narrative and Numeric biocriteria;
- Water Quality Criteria and Standards;
- Bacterial Source Tracking;

# Some State Uses of Ecoregions (cont'd)

- Narrative and Numeric Nutrient Criteria and trends assessment (streams, rivers, lakes, reservoirs and wetlands);
- Stream Assessment and Classification;
- River Assessment;
- Lake Assessment and Classification;
- Identifying reference conditions;
- Point source and NPS impact assessment;

# Some State Uses of Ecoregions (cont'd)

- Development and monitoring of TMDLs;
- 305(b)/303(d) and Integrated Reporting;
- Statistical and spatial/geographic assessment and modelling;
- Collection and Assessment of REMAP data;
- Basin Assessment, Facilities Permitting and Waste Management;

# Some State Uses of Ecoregions (cont'd)

- Assessing Urbanization;
- Highway/Road Planning;
- Identifying Conservation Areas;
- Identifying most critical habitat to preserve biodiversity;
- Park land acquisition and planning;
- Land acquisition for Salmon habitat protection;



# Some State Uses of Ecoregions (cont'd)

- Large-scale monitoring of aquatic communities;
- Ecosystem assessment of watersheds;
- State Comprehensive Wildlife Conservation Strategies;
- Conservation and Recreational Planning for birds, fish and aquatic communities;
- Wetland Protection (planning, mitigation and reference conditions);