

***Sustaining Environmental Capital:
Making it Happen***

EcolInforma

**President's Council of Advisors on
Science and Technology**

September 12, 2013

Dr. Suzette Kimball

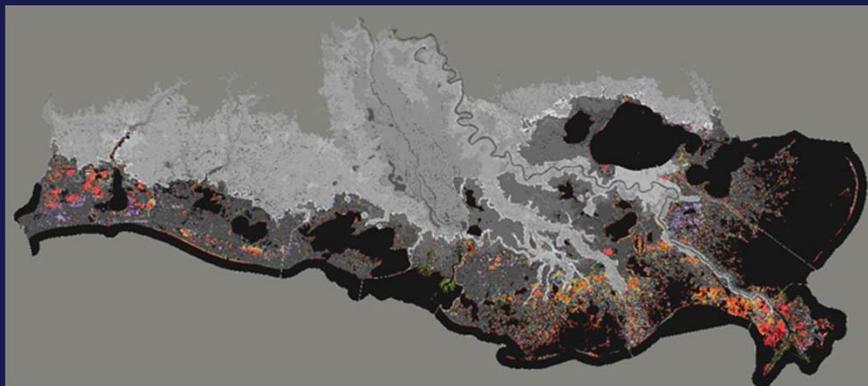
Acting Director

U.S. Geological Survey , U.S. Department of the Interior

Overview



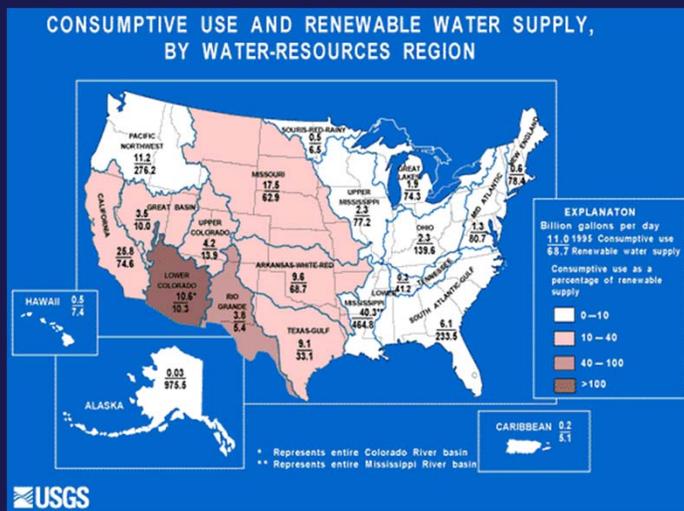
Production of Goods and Services



Storm protection: Louisiana Wetlands



Provisioning: Hunting

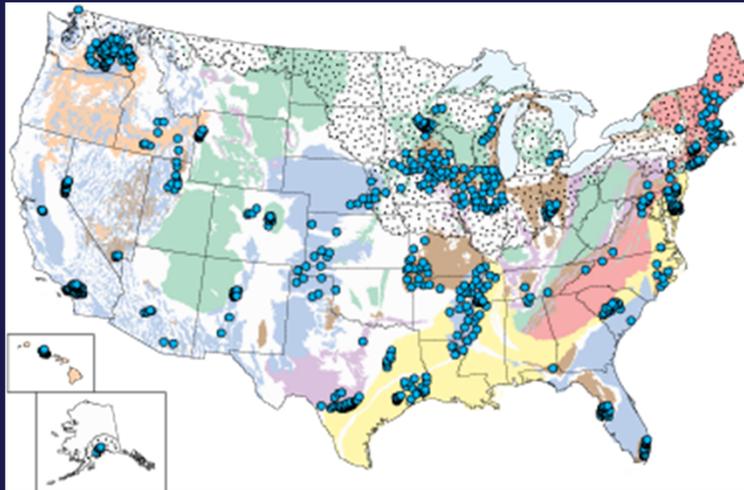


Provisioning: Water Consumption

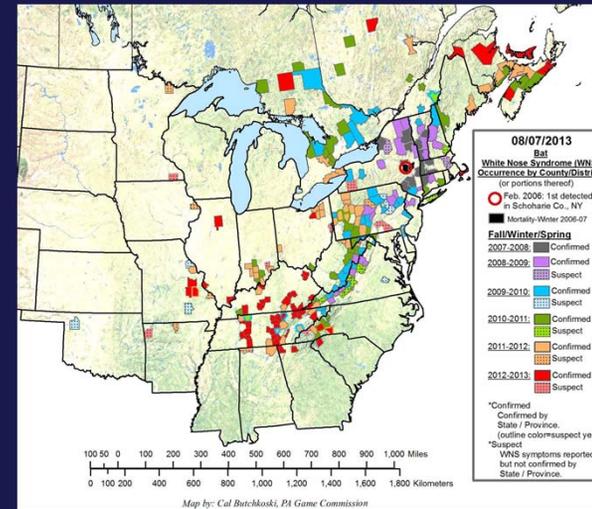


Pollination: Monarch butterfly

Monitoring and Biodiversity Inventories



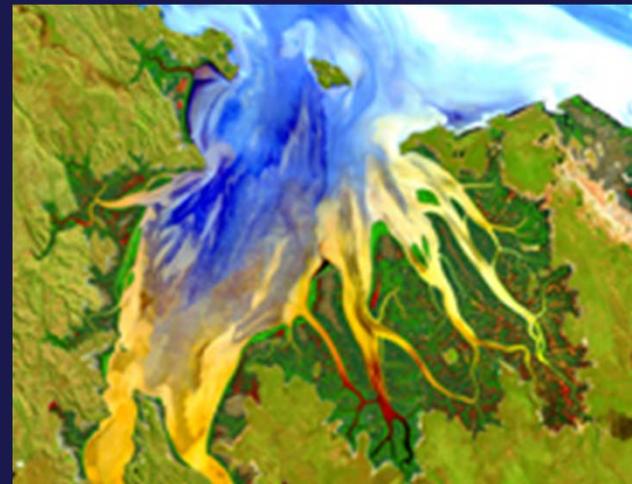
Water Quality from Public-Supply Wells



Bat Disease: White-nose Syndrome by County



Phenology: Greenness map



Landsat

Approach

Biodiversity Information Serving Our Nation

**PUBLICLY
RELEASED
April 18th**

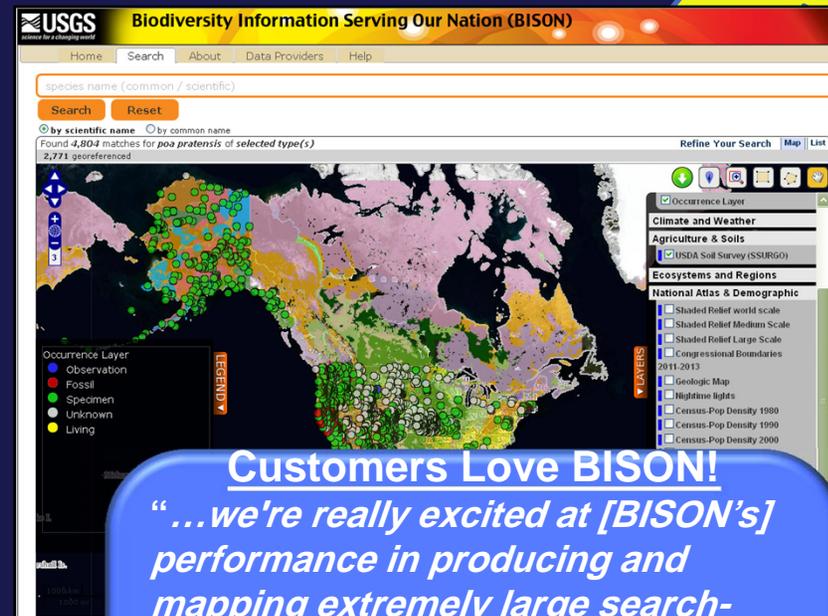
National resource for US Federal and non-Federal biological occurrence data

>111M records and 60 environmental layers

265 data providers – 9 federal agencies & all 50 states

Data from ~750,000 citizen and professional scientists

Serves as the US node of the Global Biodiversity Information Facility (GBIF)



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"...we're really excited at [BISON's] performance in producing and mapping extremely large search-result sets (I generated one with 1.8 million hits in a matter of seconds)."

Scott L. Cross, Ph.D. NOAA National Oceanographic Data Center/National Coastal Data Development Center, Charleston, SC.
April, 22, 2013

(BISON.USGS.ORNL.GOV)

Moving Forward

- Develop blueprint for implementation
- Interact with stakeholders to ensure we address the most critical issues
- Identify additional potential Ecolnforma hubs such as land cover.
- Expand partnership to other agencies and non-governmental organizations

