

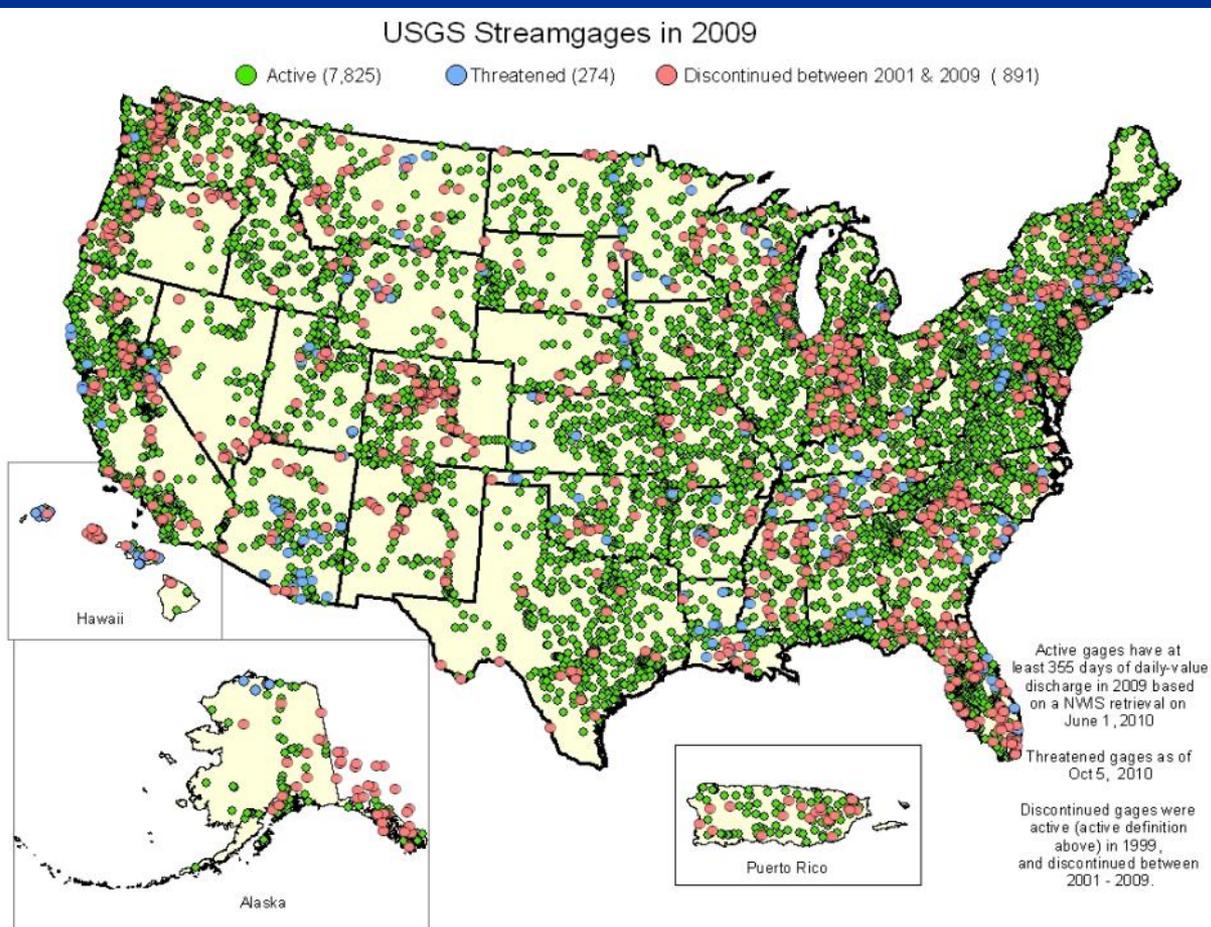


USGS National Streamflow Information Program

J. Michael Norris (mnorris@usgs.gov)

Coordinator, National Streamflow
Information Program

The USGS currently collects, stores, and provides streamflow data from over 7,800 streamgages



**San Francisquito Cr.
nr. Stanford, CA**



Pacific Cr. nr Moran,² WY

Streamgaging Partnerships: NSIP, CWP, Other Federal, Regional, Tribal and State & Local Agency

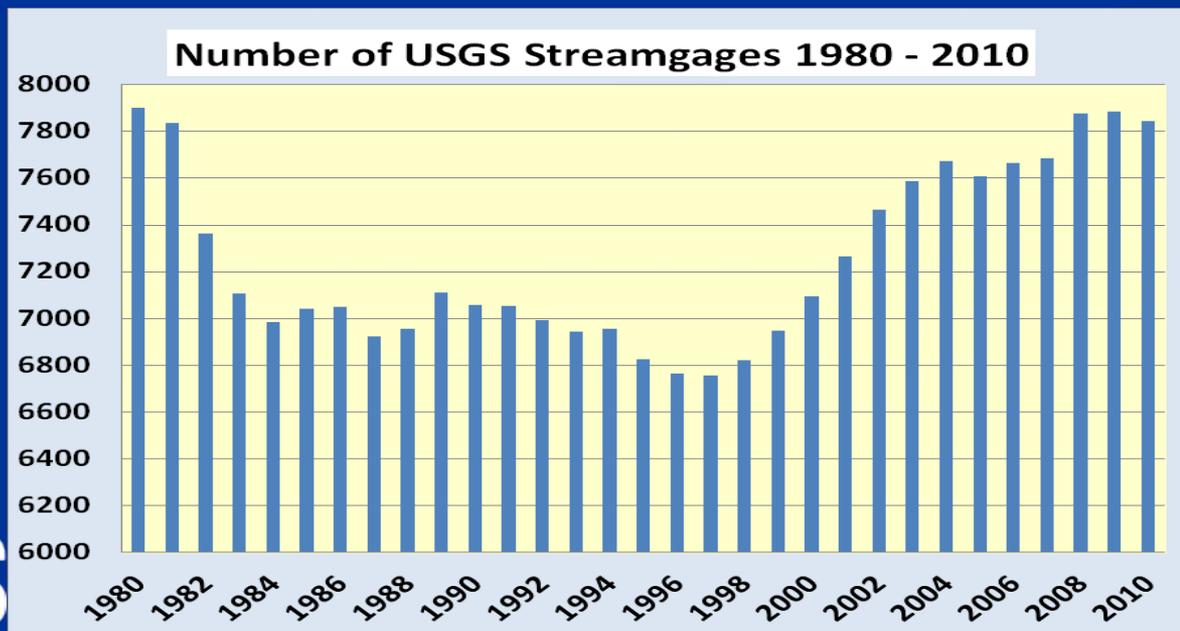
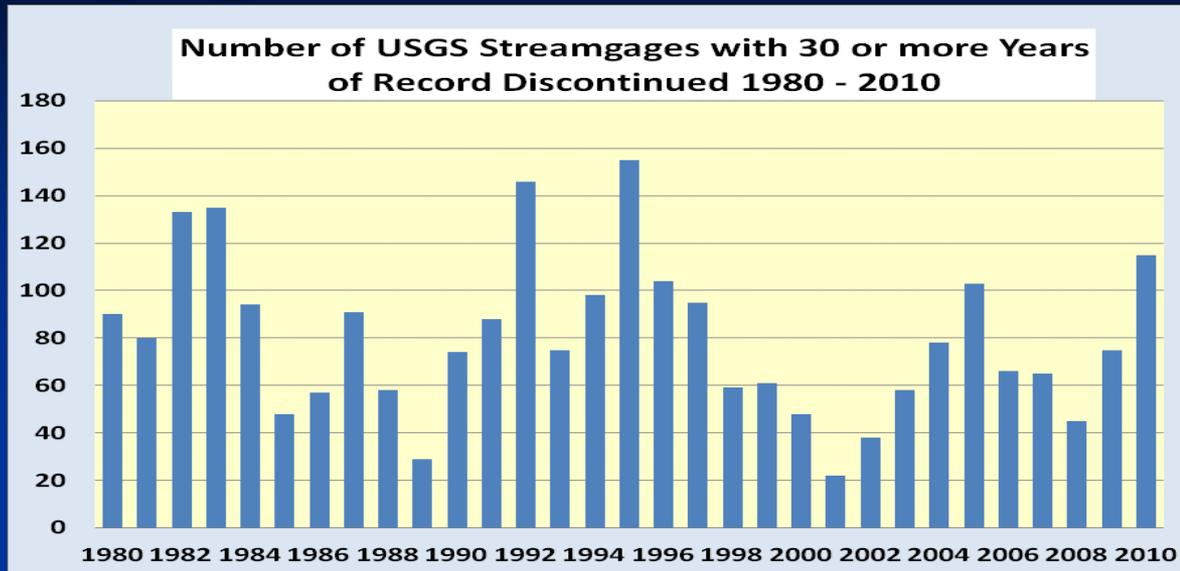
All USGS Streamgages fall under the NSIP's umbrella – differentiated mainly by funding source.

Partner funded

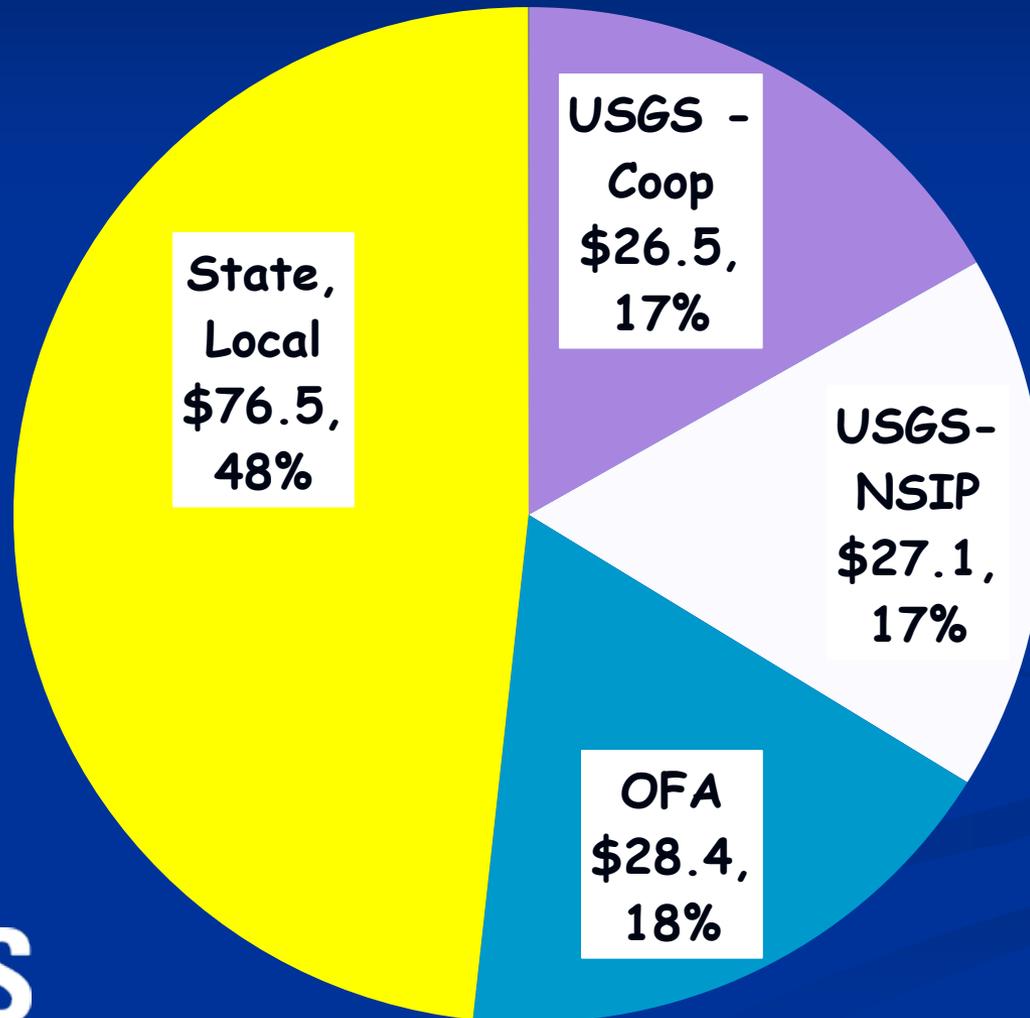
Includes CWP, and over 850 OFAs, State, and local agencies

NSIP fully Federal funded for 4759 planned streamgages

Streamgauge Network Instability

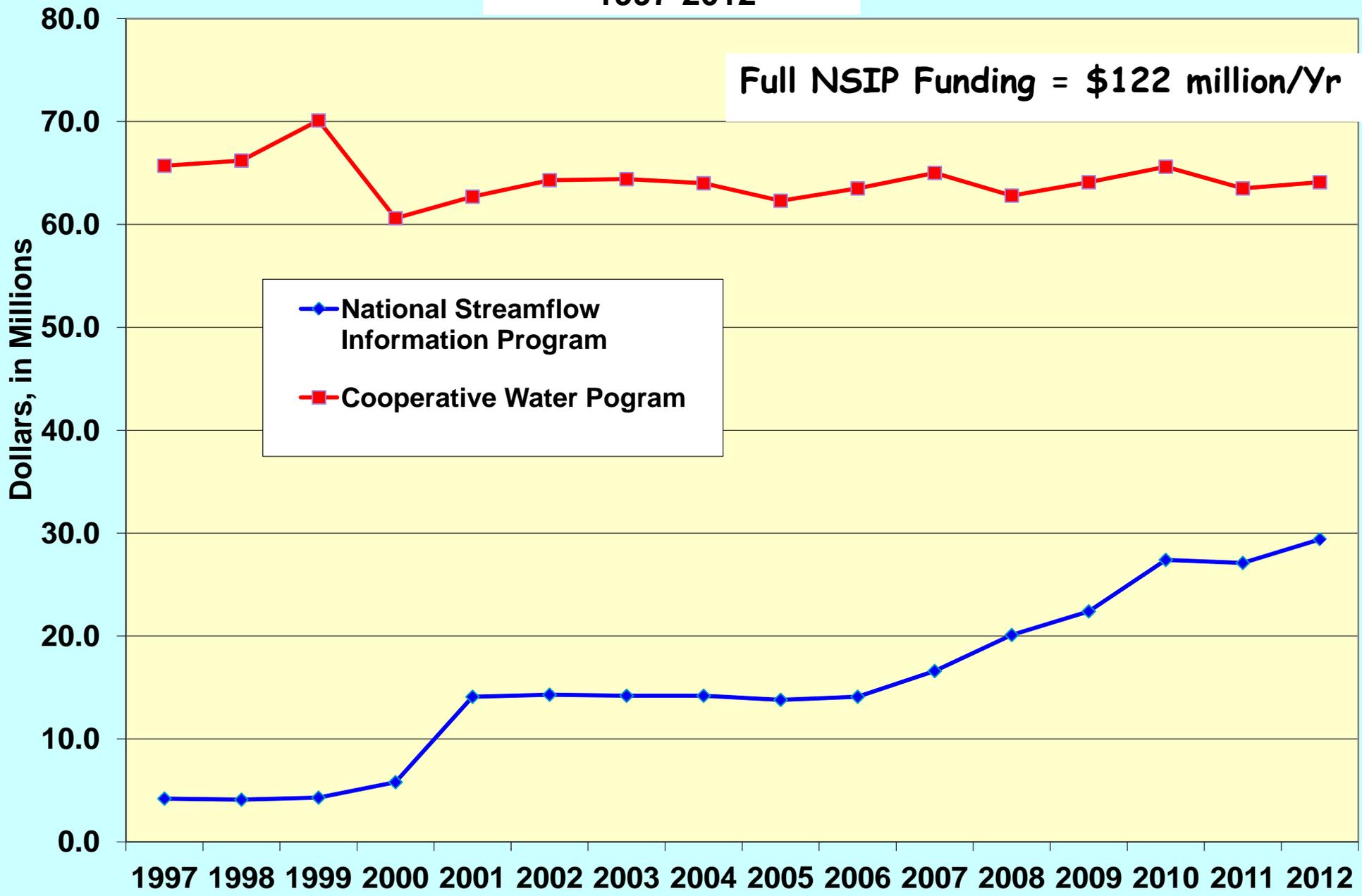


Funding for USGS Streamgaging Program - FY 2011 \$158.5M

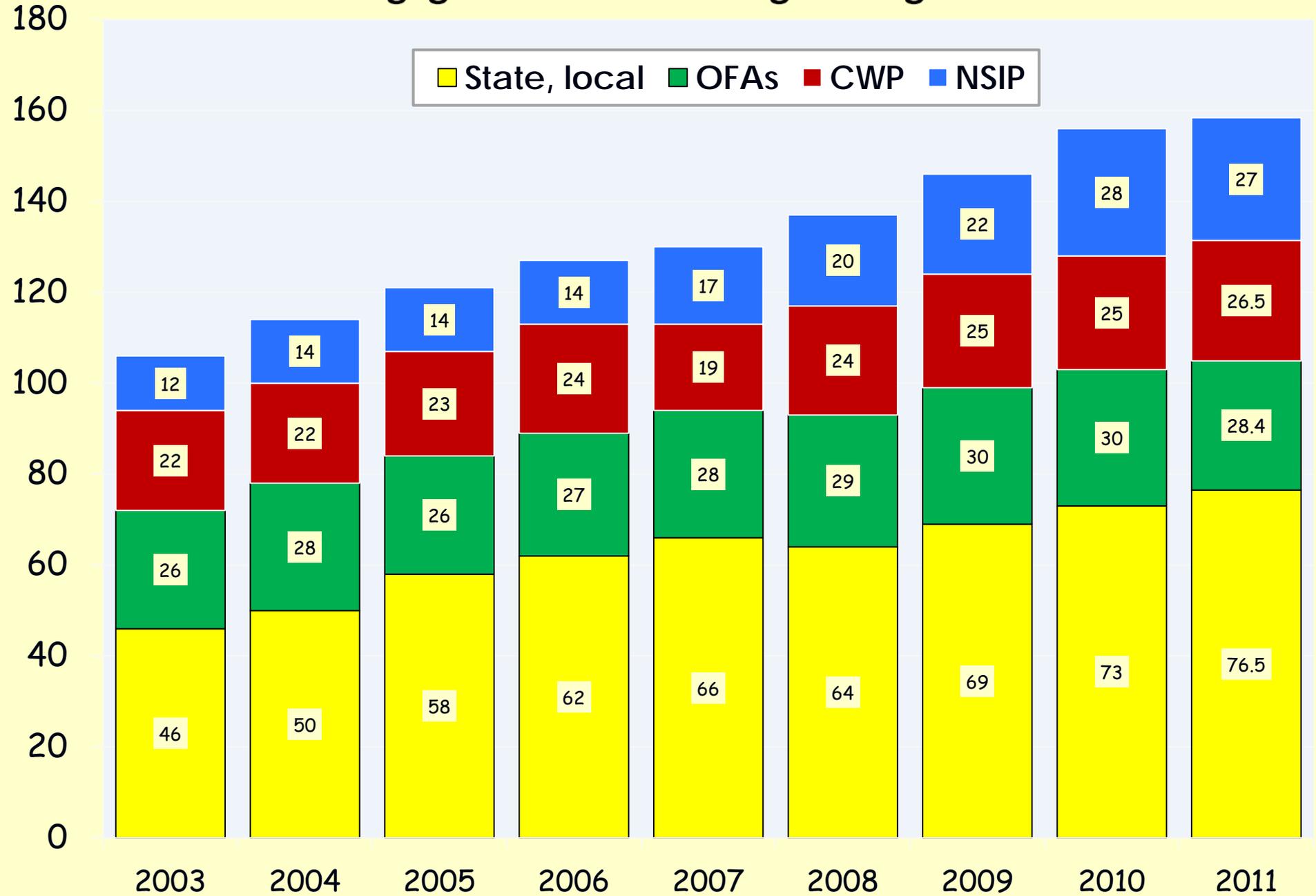


USGS Federal Funding 1997-2012

Full NSIP Funding = \$122 million/Yr



Streamgauge Network Funding Through Time



SECURE Water Act of 2009

-- NSIP Authorization

- **Network enhancement.**-- In general **not later than 10 years after the date of enactment** of this Act, the Secretary shall increase **the number of streamgages funded by** the national streamflow information program to a quantity of not less than **4,700 sites**; and ensure all streamgages are flood-hardened and equipped with water-quality sensors and modernized telemetry. Each site described in subparagraph shall conform with the National Streamflow Information Program plan as reviewed by the National Research Council.
-
- **The Federal share** of the national streamgaging network established pursuant to this subsection **shall be 100 percent of the cost of carrying out the national streamgaging network**. In general, except as provided in subparagraph (B), there are authorized to be appropriated such sums as are necessary to operate the national streamflow information program for the period of fiscal years 2009 through 2023, to remain available until expended.
-
- **Network enhancement funding.**--There is authorized to be appropriated to carry out the **network enhancements described in paragraph (4) \$10,000,000 for each of fiscal years 2009 through 2019**, to remain available until expended.

National Streamflow Information Program

- Program Mission:

..... to provide the streamflow information and understanding required *for national, State, and local economic well-being, the protection of life and property, and efficient and effective water resource management.*

Stakeholder Support

September 10, 2007

The Honorable Dirk Kempthorne
Secretary of the Interior
U.S. Department of Interior
1849 C Street, N.W.
Washington, D.C. 20240

The Honorable James A. Nussle
Director
Office of Management & Budget
Eisenhower Executive Building
Washington, DC 20503

Regarding: **STREAMGAGE SUPPORT IN FY-2009**

Dear Secretary Kempthorne and Director Nussle:

The undersigned organizations support the US Geological Survey's Cooperative Water Program (CWP) and National Streamflow Information Program (NSIP) and urge your support for full implementation of the NSIP beginning in FY-2009 and for stronger funding of the CWP at approximately \$70 million. Full impl of the NSIP would require \$110 million in FY-2009, substantially more than the \$16.2 million appx FY-2007.

Our members rely extensively on the trustworthy data and science that these two programs produce are active, financial partners ("Cooperators") in the Cooperative Water Program. Nationwide, our well-informed understanding of streamflow, groundwater, tidal surge, precipitation and other water attributes continues to increase as a function of our growing population, economy, land uses and awareness.

The NSIP and CWP have proven to be a source for reliable, scientific information concerning Ameri resources, information that is required by decision makers in both the public and private sectors variety of planning, design and management functions. Unfortunately, their capacity has not ke America's growing needs despite the strong, national cost-share partnership with over 1,400 Cooperat NSIP and CWP data are needed on a regular basis by many federal, state, tribal, and local governmen and by many businesses, landowners, public interest organizations and individuals for many essential including the:

■ SECURE Water Act



David R. Crowl
David R. Crowl, D. Water Resource Specialist
National Wildlife Federation

Larry M. Powell
Larry M. Powell, Executive Director
Ohio River Basin Commission

William E. Mullan
William E. Mullan, Executive Director
Publishers Industry Association

Eric Egan
Eric Egan, President/CEO
Egan Institute

Brian Bate
Brian Bate, Co-Leader, Global Professor Team
The Nature Conservancy

Chris Wood
Chris Wood, Vice President for Conservation
Trust Unlimited

Holly Swanson
Holly Swanson, Executive Director
Upper Mississippi River Basin Association

Michael F. Doherty
Michael F. Doherty, President
Water Environment Federation

David Smith
David Smith, Chairman
Western States Water Council

Charles John
Charles John, President
Association of American State Geologists

Lee Sprague
Lee Sprague, Executive Director
Association of State Dam Safety Officials

Al Goodman
Al Goodman, President
Association of State Floodplain Managers

Linda Eichmiller
Linda Eichmiller, Executive Director
Association of State & Interstate Water Pollution Control Administrators

Katherine Andrews
Katherine Andrews, Executive Director
Coastal States Organization

James H. Steele
James H. Steele, Tribal Council Chairman
Confederated Tribes & Kootenai Tribes

Carol R. Collier
Carol R. Collier, Executive Director
Eastern River Basin Commission

Mary E. Kelly
Mary E. Kelly, Sr. Attorney
Co-Director, Land, Water and Wildlife Program
Environmental Defense

E. P. VanOverbeek
E. P. VanOverbeek, CEO
Federation of Fishermen

Tim A. Egan
Tim A. Egan, Executive Director
Great Lakes Commission

Roger L. Gustafson
Roger L. Gustafson, Interim Executive Director
Great Lakes Cherting System

John Smith
John Smith, Chair
Hydropower Reform Coalition

Hal A. Brecher
Hal A. Brecher, President
Interstate Flow Council

Sue Lowery
Sue Lowery, Chair
Interstate Council on Water Policy

Michael W. Hahn
Michael W. Hahn, Executive Director
Irrigation Association

David G. ...
David G. ..., President
National Association of Flood and Instream Management Agencies

John M. Johnson
John M. Johnson, Executive Director
National Association of State Boating Law Administrators

Joe Garcia
Joe Garcia, President
National Congress of American Indians

John Duchesneaux
John Duchesneaux, President
National Flood Commission Association

Thomas F. Driscoll
Thomas F. Driscoll, Executive Vice President
National Water Resource Association

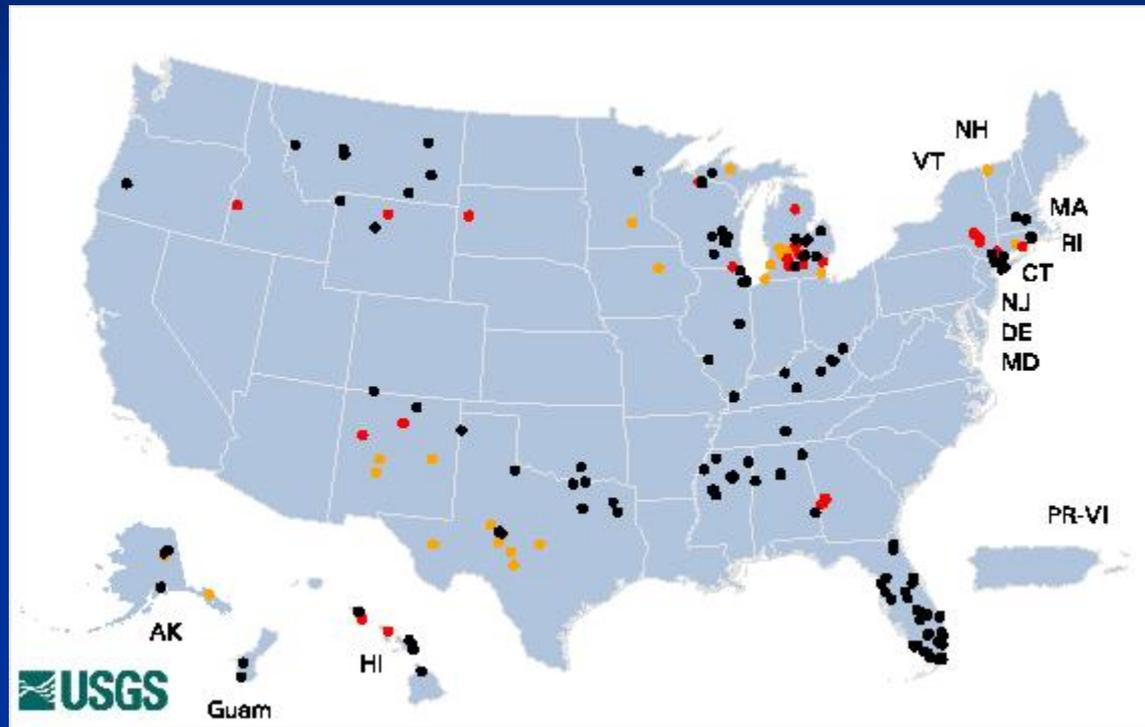
The Director
Secretary of the Interior
U.S. Department of the Interior
1849 C Street, N.W.
Washington, D.C. 20240

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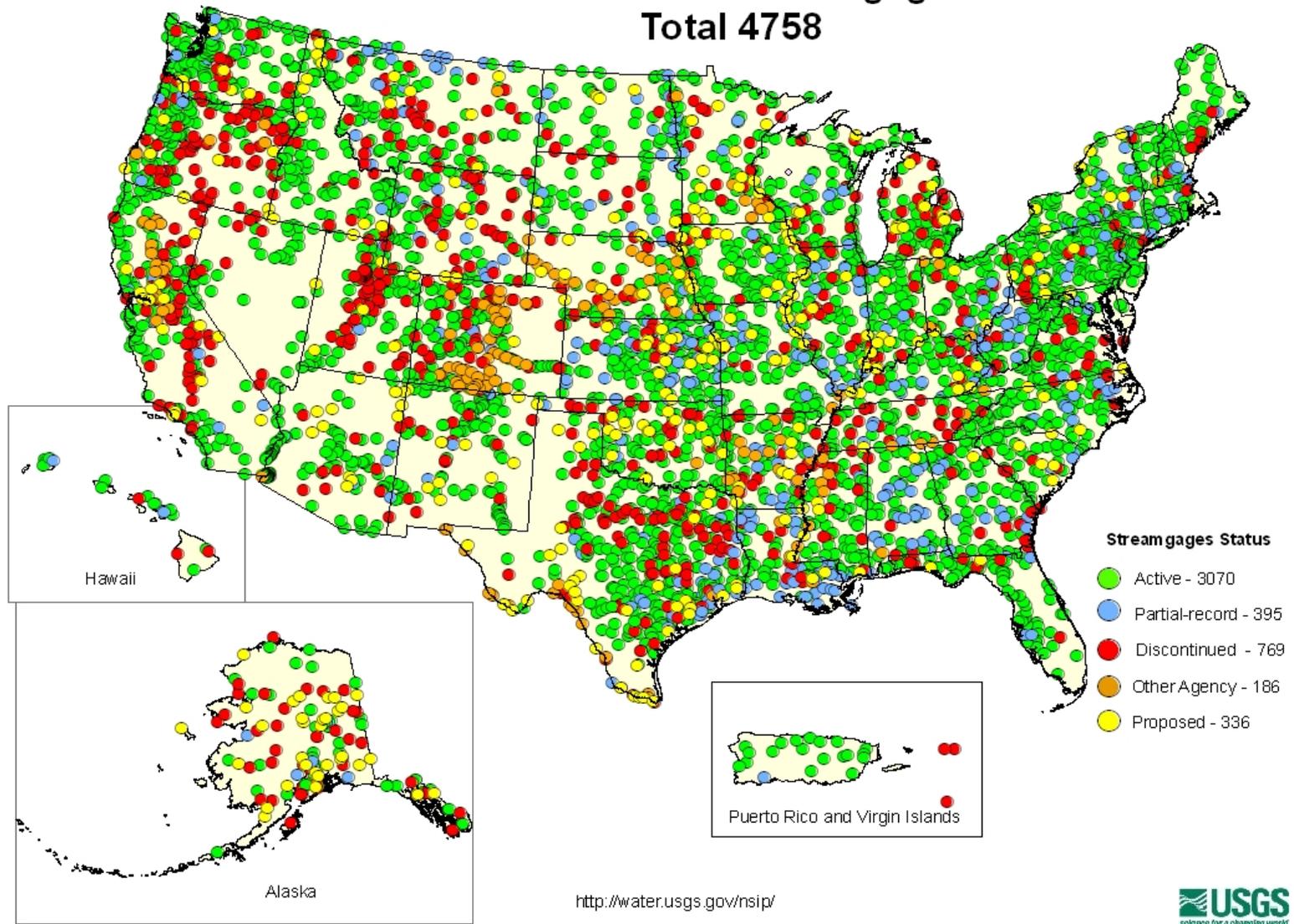


Threatened/recently discontinued streamgages as of 5/31/2012

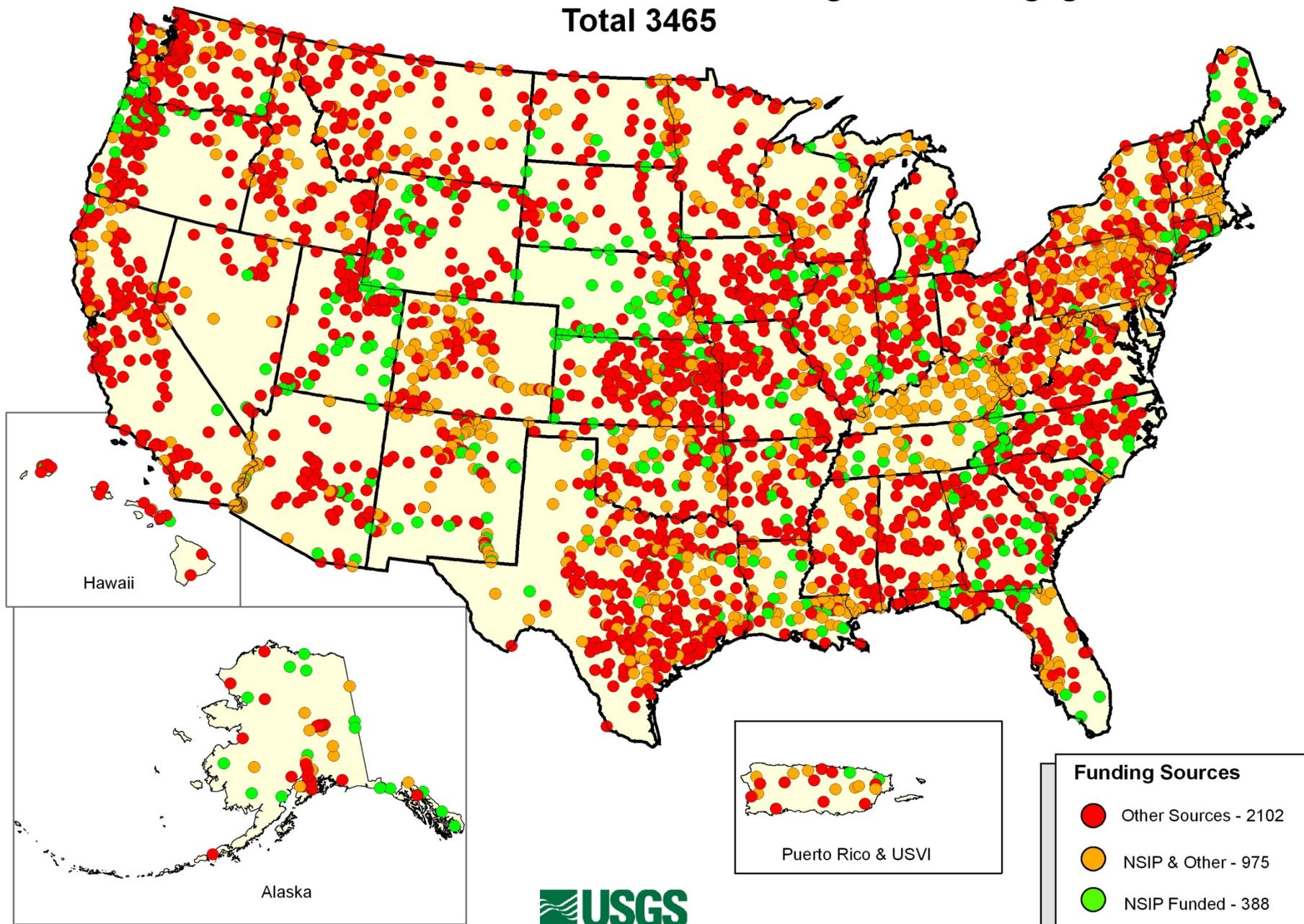


Threatened/endangered streamgages operated by the USGS - 58; 147 recently discontinued

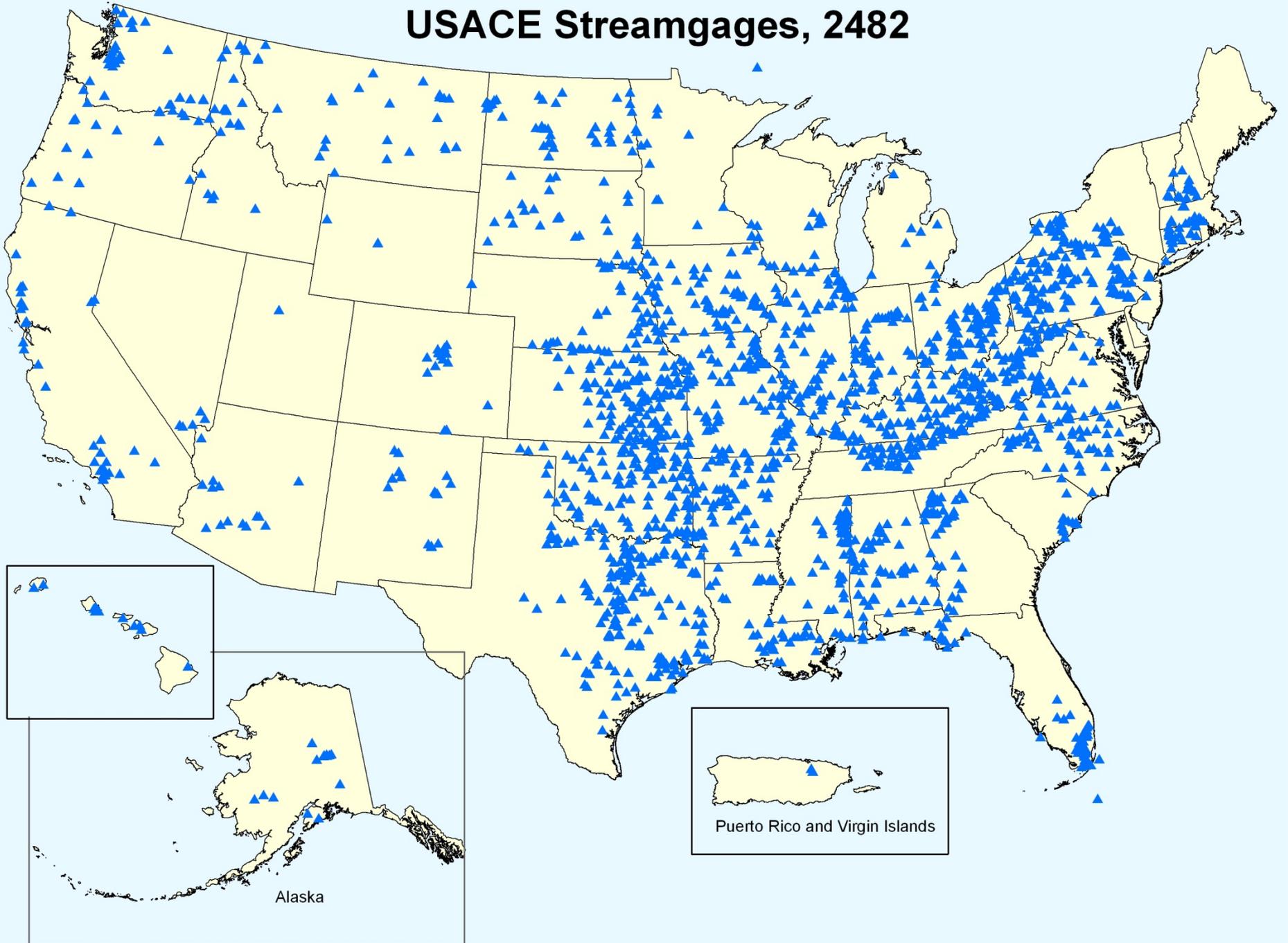
2010 National Streamgauge Information Program Federal Goal Streamgages Total 4758



2010 Funding Sources of the Active USGS National Streamflow Information Program Streamgages Total 3465

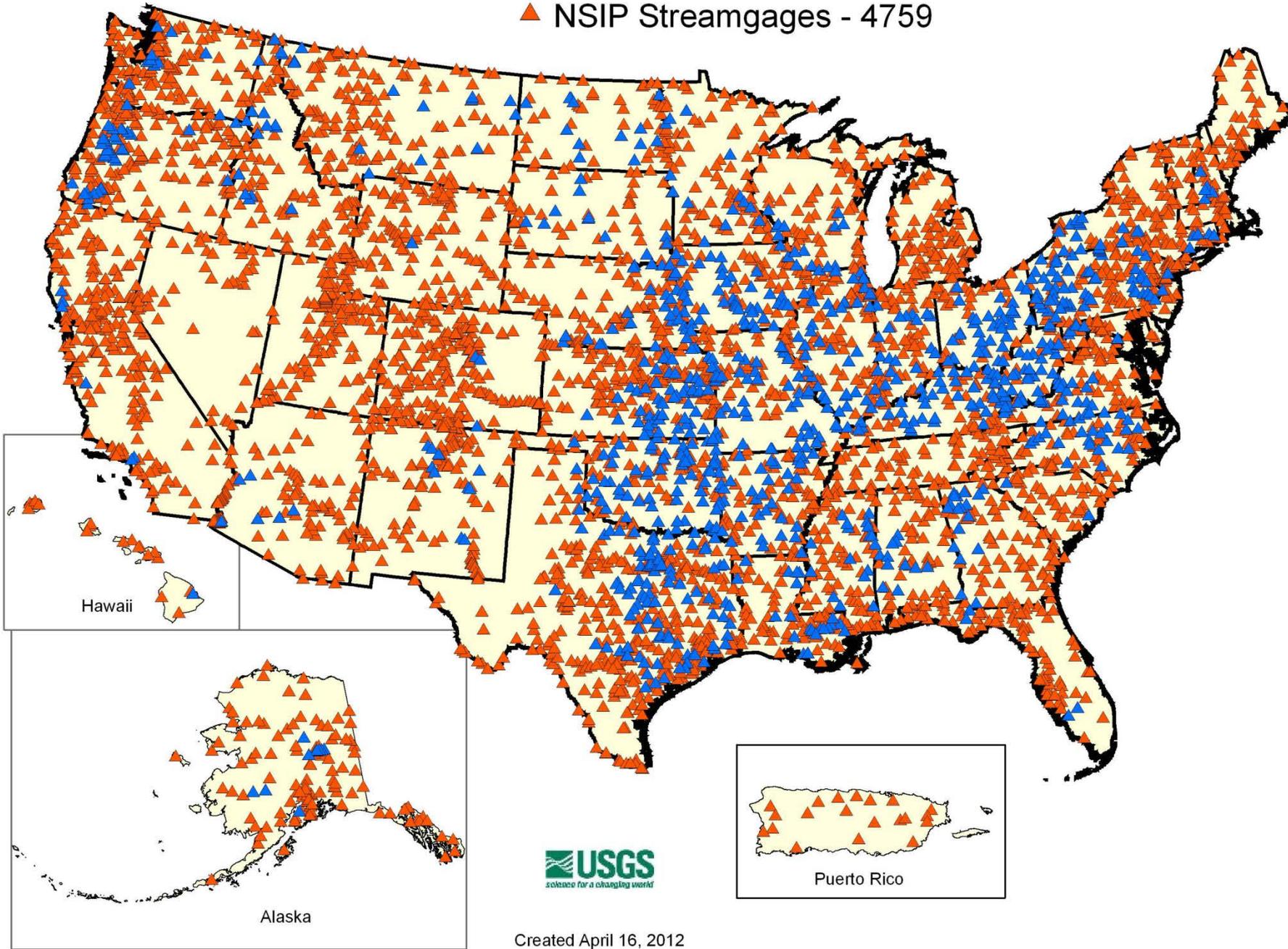


USACE Streamgages, 2482



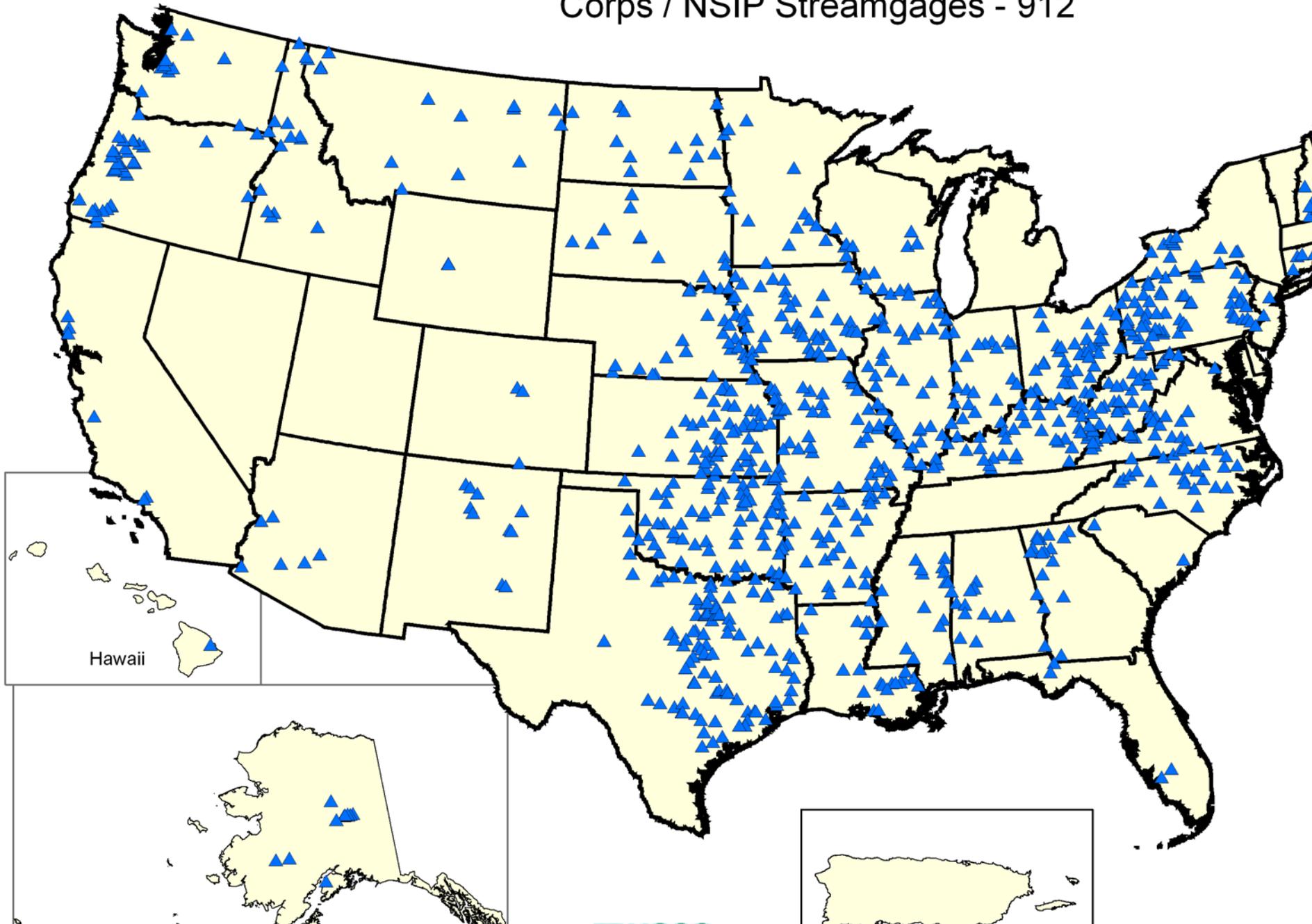
▲ Corps Streamgages - 912

▲ NSIP Streamgages - 4759

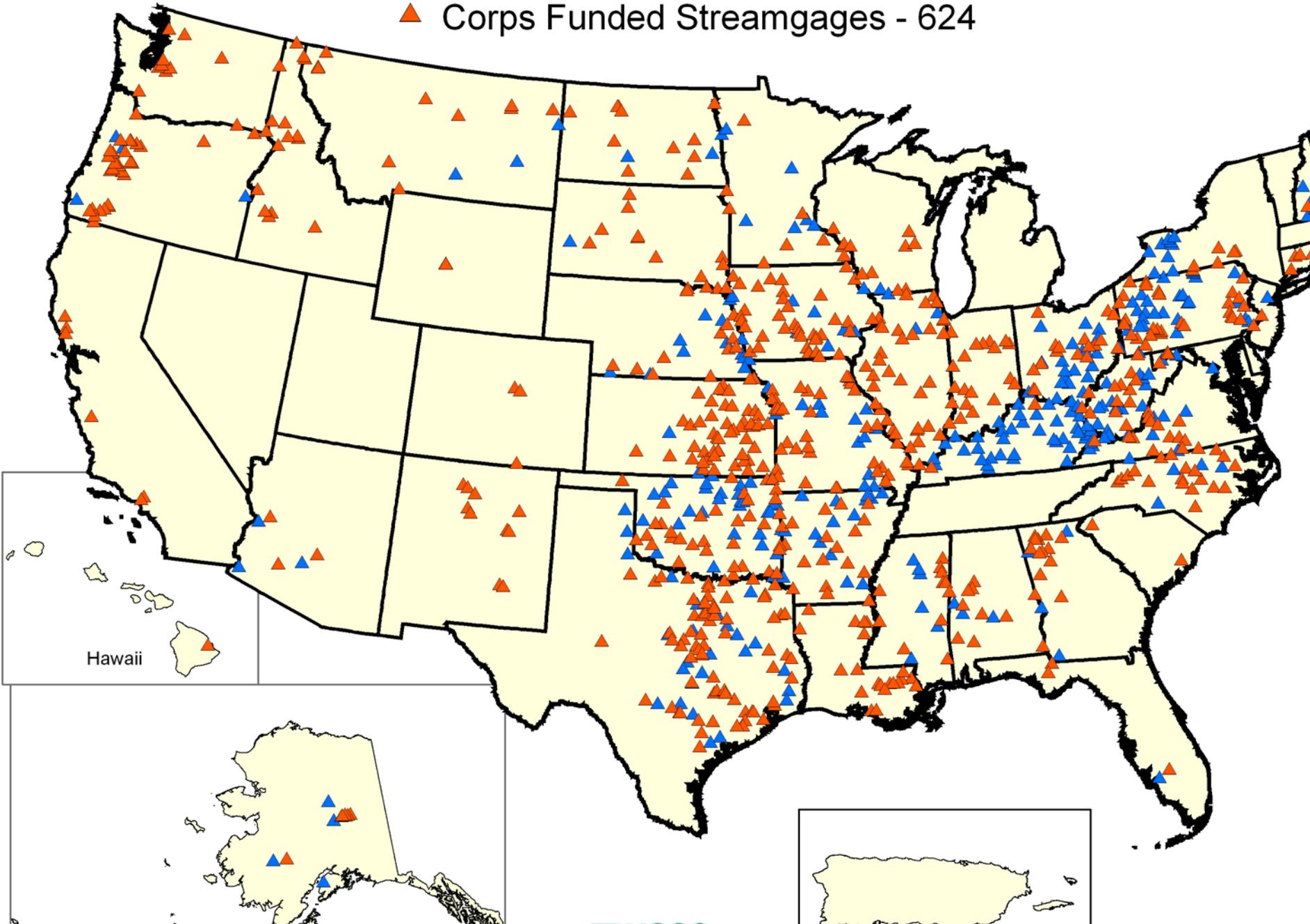


Created April 16, 2012

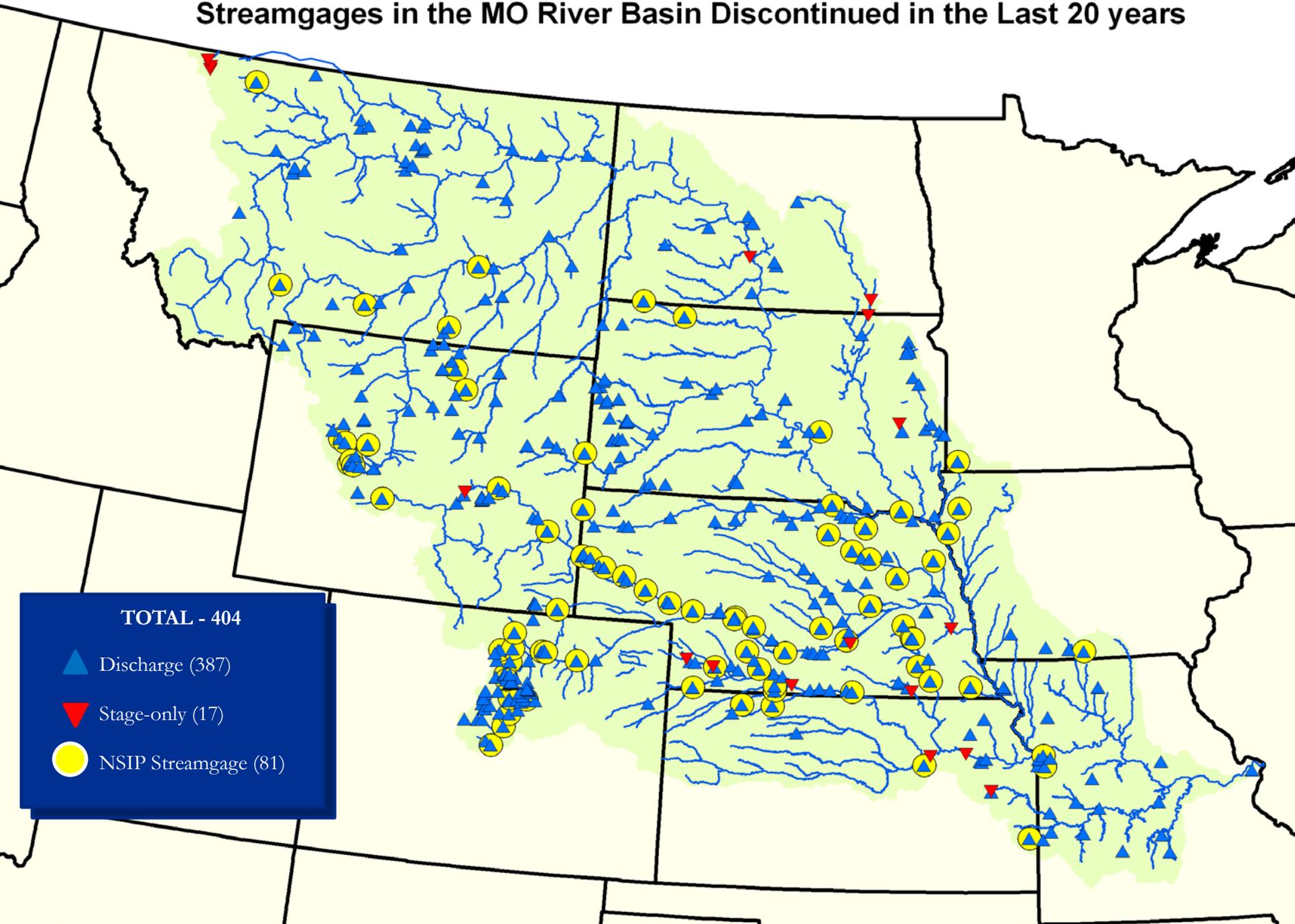
Corps / NSIP Streamgages - 912



▲ NSIP and Corps Funded Streamgages - 288
▲ Corps Funded Streamgages - 624



Streamgages in the MO River Basin Discontinued in the Last 20 years



TOTAL - 404

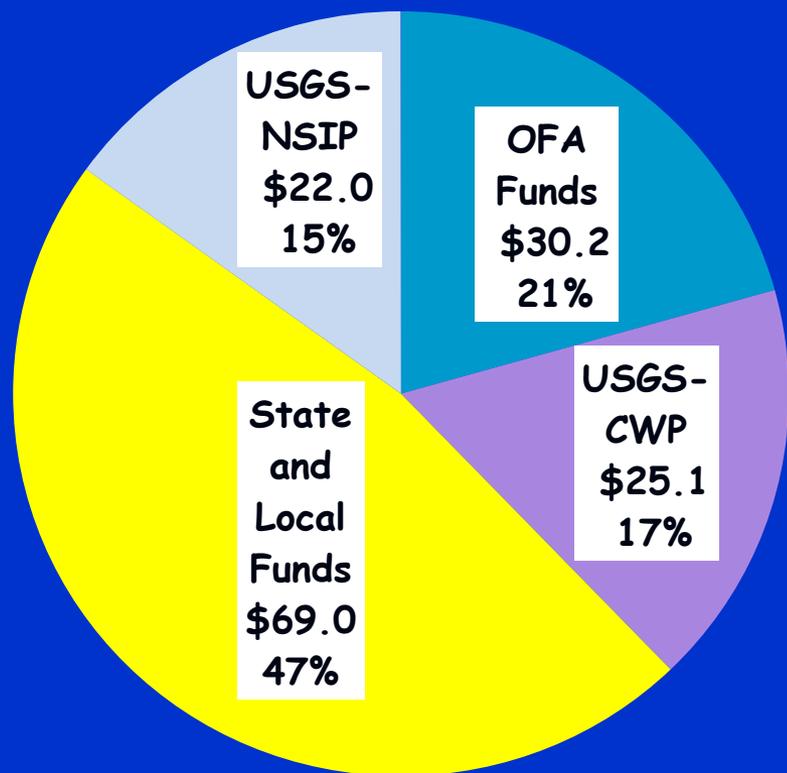
▲ Discharge (387)

▼ Stage-only (17)

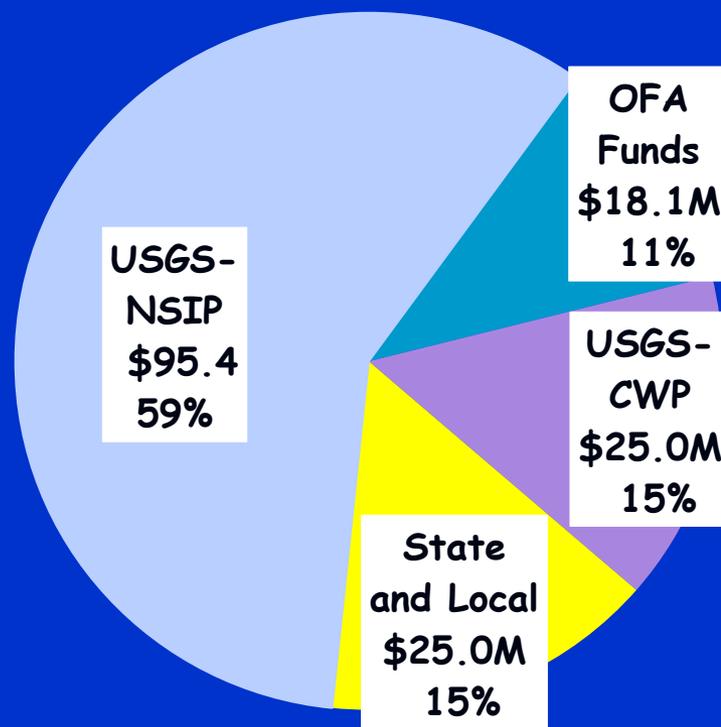
● NSIP Streamgage (81)

USGS Streamgauge Funding

2009 USGS Streamgauge Network Funding (\$146M, 7663 streamgages)



USGS Streamgauge Network with a fully funded NSIP (\$163M, 9387 streamgages)



Questions/Comments

