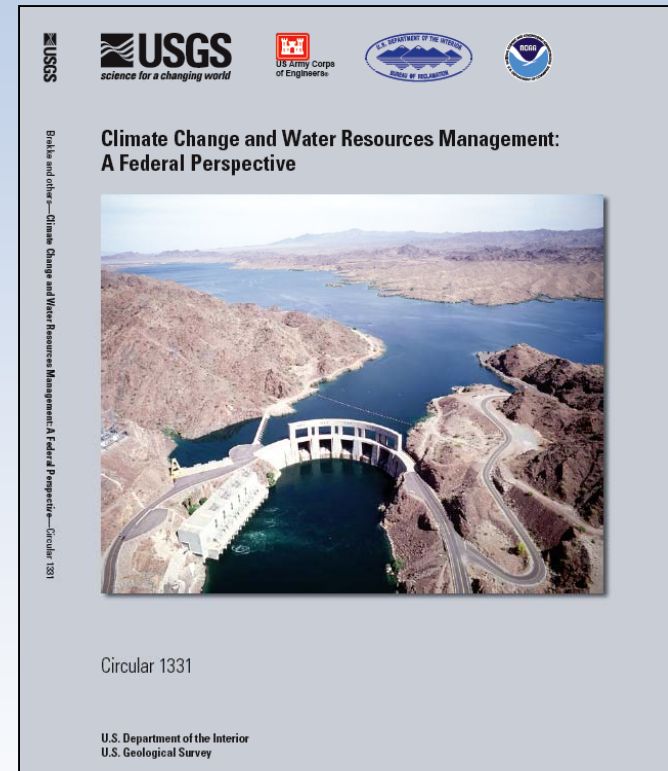




# Interagency Workgroup on Climate Change

- **The four major US water resources agencies:**
  - USACE, U.S. Geological Survey, Bureau of Reclamation, National Oceanic and Atmospheric Administration
- **Mission:**
  - To evaluate practices of federal agencies to incorporate climate change considerations into activities related to Nation's water resources
  - Provide foundation for future policies
- **Report released as USGS Circular 1331 February 2009**





# Interim Guidance on Sea Level Change

- Proposed through chain of command 7 April 2008
  - Engineer Circular 1165-2-XXX, applies to Planning, Engineering and Construction
- Interagency PDT members:
  - IWR, ERDC, NOAA National Ocean Service, USGS, Sacramento and Philadelphia Districts
- Internal peer review Aug 2008 by USACE, USGS, NOAA
- External peer review Oct - Dec 2008 USACE, USGS, NOAA, EPA, DOT, NGOs
- Implementation team finalizes Jan - Apr 2009
- Target: Release guidance Apr 2009

DRAFT – DO NOT CITE OR DISTRIBUTE EC 1165-2-XXX  
Date

1  
2  
3 CECW-CE Department of the Army EC1165-2-XXX  
4 U.S. Army Corps of Engineers  
5 Circular Washington, DC 20314-1000  
6 No. 1165-2-XXX Date  
7  
8  
9  
10  
11  
12 EXPIRATION DATE  
13 Water Resource Policies and Authorities  
14 INTERIM GUIDANCE FOR INCORPORATING SEA-LEVEL CHANGE  
15  
16 1. **Purpose.** This circular provides interim United States Army Corps of Engineers  
17 (USACE) guidance for the incorporation of future sea-level change in the project  
18 management, planning, engineering, design, construction, operation, and  
19 maintenance of USACE projects and systems of projects. Sea-level change is a  
20 subject of intense study, and new knowledge and understanding of the drivers  
21 and outcomes of sea-level change will require updating of this guidance.  
22  
23 2. **Applicability.** This Circular applies to all USACE elements having Civil Works  
24 responsibilities and is applicable to all USACE Civil Works activities. This  
25 guidance is effective immediately, and supersedes all other guidance included in  
26 ER 1105-2-100 Appendix E, Section IV E-24 (k). District and Division offices  
27 shall inform CECW of any problems with the implementation of this guidance.  
28  
29 3. **Distribution Statement.** This publication is approved for public release;  
30 distribution is unlimited.  
31  
32 4. **References and Glossary.**  
33  
34 (a) References are included in Appendix A, B, D, and E, with the exception of  
35 required USACE guidance documents included here:  
36  
37 (1) USACE (2000) *ER 1105-2-100 Planning Guidance Notebook*  
38 (<http://www.usace.army.mil/publications/eng-regs/er1105-2-100/>)  
39  
40 (2) USACE (2007) *EC 1110-2-6065 Comprehensive Evaluation of Project*  
41 *Datum: Guidance for a Comprehensive Evaluation of Vertical Datums on*  
42 *Flood Control, Shore Protection, Hurricane Protection, and Navigation*  
43 *Projects* (<http://www.usace.army.mil/publications/eng-circulars/ec1110-2-6065/>)  
44  
45

1  
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“In this century, the U.S. will be challenged to provide sufficient quantities of high-quality water to its growing population.”

*- National Research Council*  
Estimates of economic losses from recent western droughts are “billions of dollars”.

*- Western Governors Association*  
Competition for increasingly limited freshwater resources will make “water supply availability a major economic driver in the 21<sup>st</sup> century”.

*Nature*  
June 17, 2008:

White House orders federal agencies to begin producing consistent information about water availability, including quality and quantity.

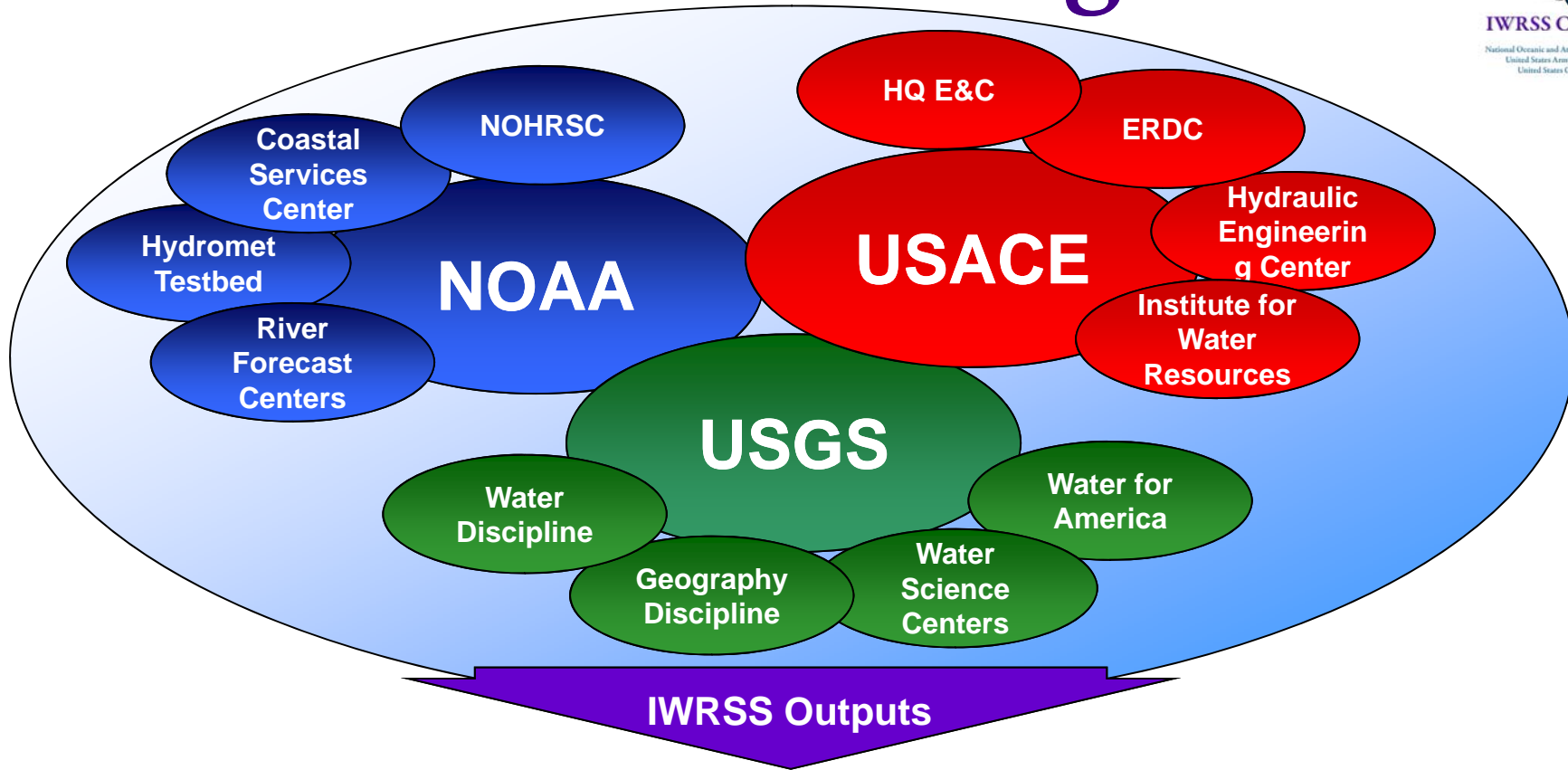


## IWRSS Consortium

National Oceanic and Atmospheric Administration  
United States Army Corps of Engineers  
United States Geological Survey



# Focal Points for Integration



Decision Support Systems, Information Systems (e.g. NIDIS)

- **Other major integration focal points will be incorporated as IWRSS evolves**
  - e.g. Other NOAA Assets, Bureau of Reclamation, USDA, EPA, NASA, International

# IWRSS Pilot: Ice Jam Database

- **Ice Jam Database**
  - USACE asset incorporating data from NOAA NWS, USGS and other agencies
  - Used in emergency management by USACE, NWS
  - Operated by USACE ERDC-Cold Regions Research and Engineering Laboratory
  
- **Pilot Spring 2009**
  - Interagency access, training, and data entry
    - NWSFO Burlington VT, Gray ME, Caribou ME, Great Falls MT
    - NWS Northeast RFC
    - USGS ME, NH-VT
    - USACE Buffalo and Omaha Districts

