Idaho Weather, Climate and Water Supply Outlook

IDWR Briefing, Jan 14th 2010

Jay Breidenbach, NOAA National Weather Service

Snow Accumulation Movie
Temperature and Precipitation Anomalies
River Ice
Forecast for next 10 days
El-Nino Status
Three Month Climate Outlook
Water Supply Numbers and Drought Summary
Snow Water Equivalent
January 13th, 2010
Snow Water Equivalent
January 13th, 2009
Seasonal Precipitation
October 2009 - December 2009

Seasonal Precipitation Distribution:

- < 50 %
- 50 - 70 %
- 70 - 90 %
- 90 - 110 %
- 110 - 130 %
- > 130 %
- No Data

Map shows precipitation levels across the region with various cities marked.

Creation Date: Fri, Jan 08 2010
Produced by the Northwest River Forecast Center
Monthly Temperature Departure
December 2009

Departure from Normal
-8 to -6 F
-6 to -3 F
-3 to -1 F
-1 to 0 F
0 to 1 F
1 to 3 F
3 to 6 F
>6 F

Produced by the Northwest River Forecast Center
Temperature and Precipitation at Boise

KBOI - Oct 2009 Through Sep 2010

Temperature (Deg F)

Precipitation (Inches)

Snow (inches)

Record Min
Record Max
Normal
Below Normal
Above Normal
Salmon River Between Salmon and North Fork
Thursday - Jan 14th
IR Satellite Imagery / 500 mb heights
Thursday - Jan 14th
500 mb heights / model precipitation
Saturday, January 16th
Thursday, January 22nd
Saturday, January 23rd
Total Precipitation Ending Saturday, Jan 23rd
Equatorial Sea Surface Temperature Anomalies
Warm sub-surface anomaly along equator
The CFS ensemble mean (heavy blue line) predicts El Niño will last at least into the Northern Hemisphere summer 2010.
Three Month Outlook (Jan-Mar) Temperatures

Three-Month Outlook
Temperature Probability
0.5 Month Lead
Valid JFM 2010
Made 17 Dec 2009

EC MEANS EQUAL CHANCES FOR A, N, B
A MEANS ABOVE NORMAL
N MEANS NORMAL
B MEANS BELOW NORMAL
Three-Month Outlook (Jan-Mar) Precipitation

THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID JFM 2010
MADE 17 DEC 2009
Drought Situation

U.S. Drought Monitor

January 5, 2010
Valid 7 a.m. EST

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://drought.unl.edu/dm

Released Thursday, January 7, 2010
Author: Mark Svoboda, National Drought Mitigation Center
Drought Outlook

U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid January 7, 2010 - March 2010
Released January 7, 2010

KEY:
- Drought to persist or intensify
- Drought ongoing, some improvement
- Drought likely to improve, impacts ease
- Drought development likely

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events.

"Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.
Below Normal Water Supply Expected in 2010
Current Information on Web

www.weather.gov/boise

www.nwrfc.noaa.gov/westernwater