Review of Climate Impacts Fall Seminar

ESPA CAMP Meeting
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Hagerman, Idaho

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Topics

- Review of 2007 water year
- Forecast for 2008 water year
Review of 2007 Water Year

- Below average snow pack followed by melting and runoff a month earlier than normal.
- Higher than average temperatures and below average precipitation during the growing season.
Review of 2007 Water Year

2007 April-July Runoff

- Snake River at Heise* 58% of average
- Big Wood at Hailey 45% of average
- Boise River nr Boise* 48% of average
- Payette River at HSB* 57% of average
- Weiser River at Weiser 36% of average
- Snake River at Weiser 45% of average
- Salmon River at Whitebird 64% of average
- St. Joe at Calder 71% of average
- Bear River at Stewart Dam 11% of average

* unregulated flow
Forecast for 2008 water year

La Niña arriving

- Tropical ocean temperatures have slid into La Niña territory
Forecast for 2008 water year

Typical winter winds and jet stream during El Niño and La Niña winters
2008 water year forecast

Average La Niña winter precip: 1916-2003

http://www.cses.washington.edu/cig/maps
2008 water year forecast

THREE-MONTH OUTLOOK TEMPERATURE PROBABILITY
2.5 MONTH LEAD
VALID DJF 2007
MADE 20 SEP 2007

THREE-MONTH OUTLOOK PRECIPITATION PROBABILITY
2.5 MONTH LEAD
VALID DJF 2007
MADE 20 SEP 2007
2008 water year forecast

Bottom line: La Nina tilts the odds towards cool and wet, and a better than average snowpack.
Questions?