

Review of Climate Impacts Fall Seminar

ESPA CAMP Meeting

October 25, 2007

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

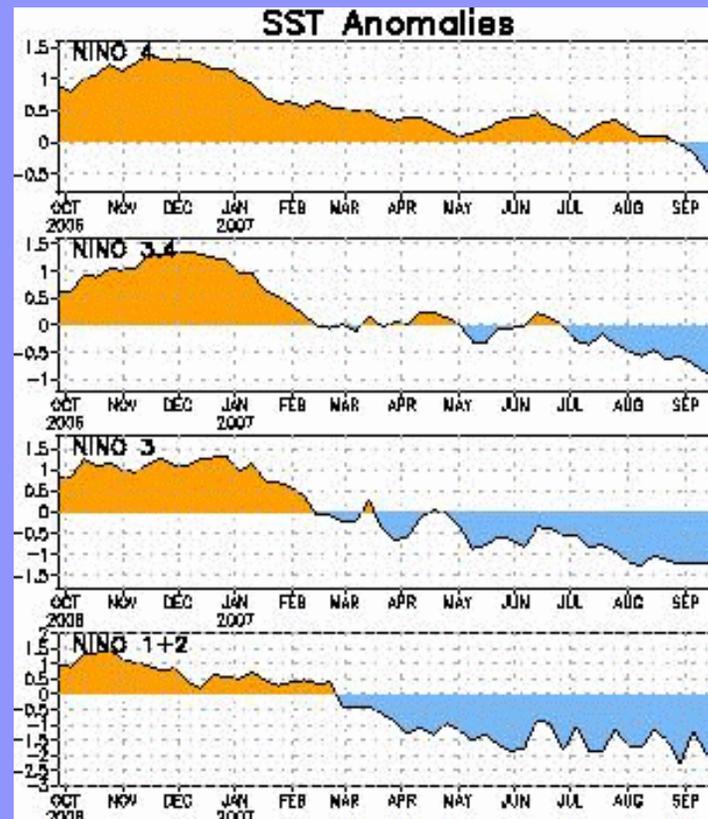
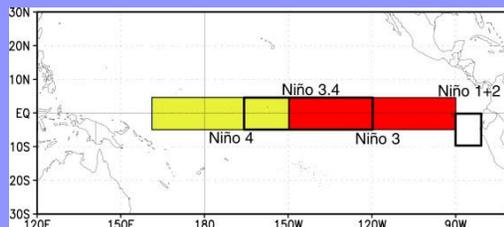
– Snake River at Heise*	58% of average
– Big Wood at Hailey	45% of average
– Boise River nr Boise*	48% of average
– Payette River at HSB*	57% of average
– Weiser River at Weiser	36% of average
– Snake River at Weiser	45% of average
– Salmon River at Whitebird	64% of average
– St. Joe at Calder	71% of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

* unregulated flow

Forecast for 2008 water year

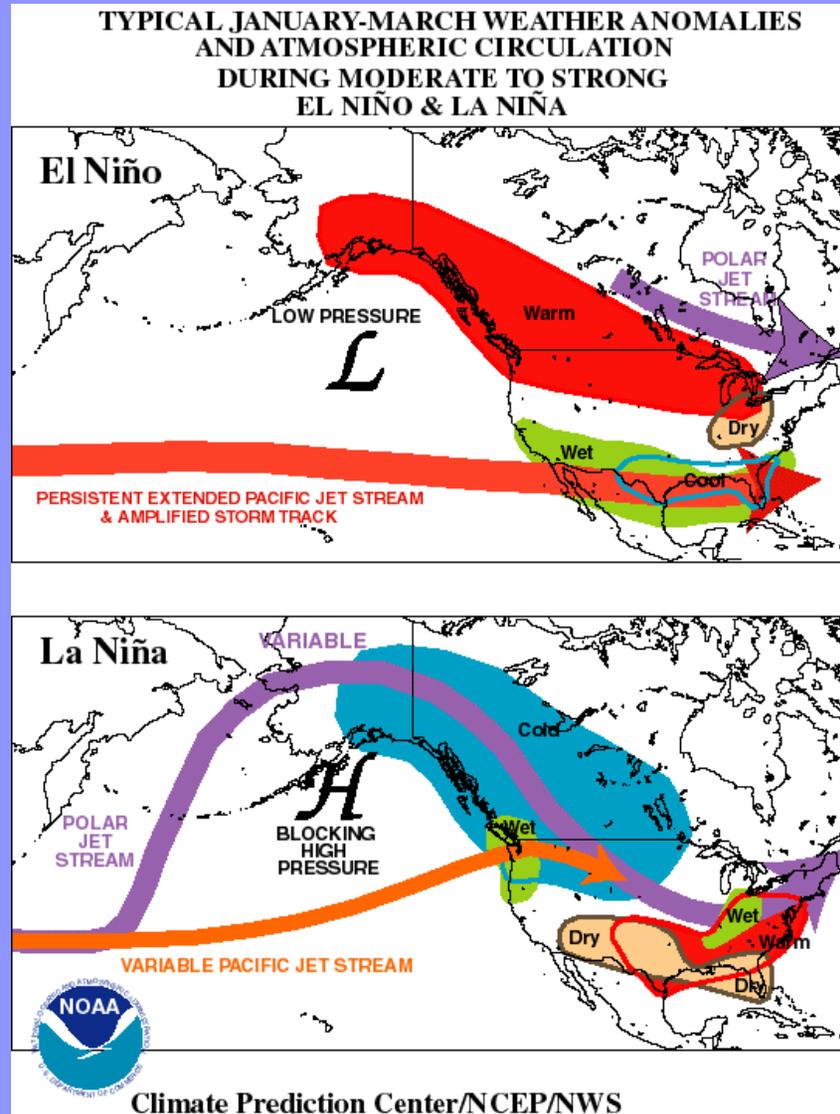
La Niña arriving

- Tropical ocean temperatures have slid into La Niña territory



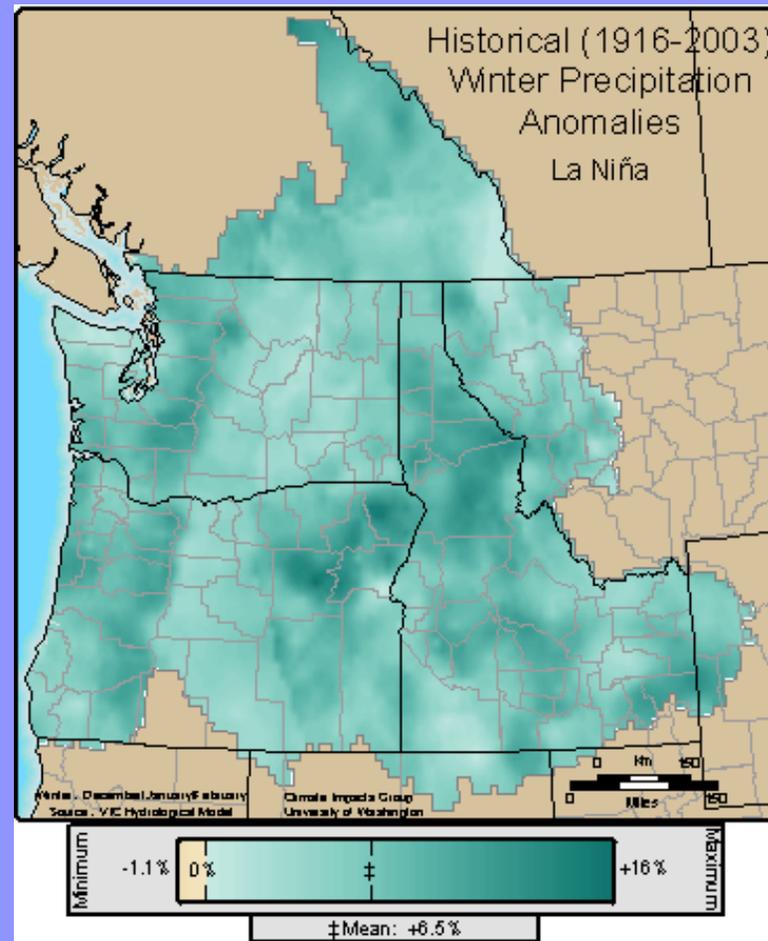
Forecast for 2008 water year

Typical winter winds and jet stream during El Niño and La Niña winters

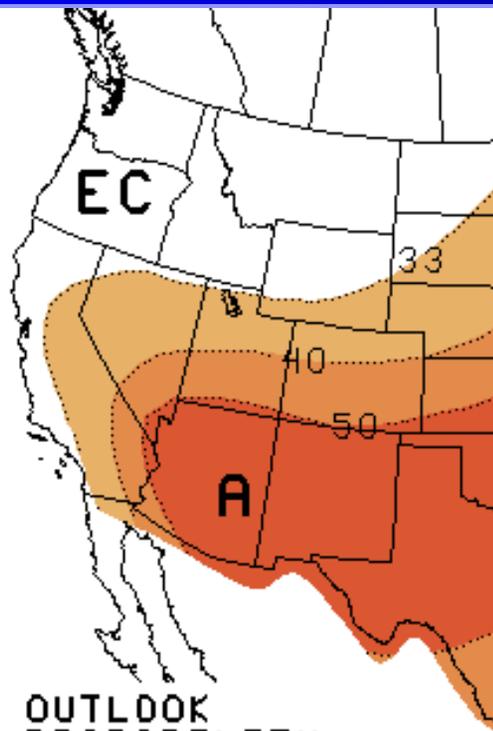


2008 water year forecast

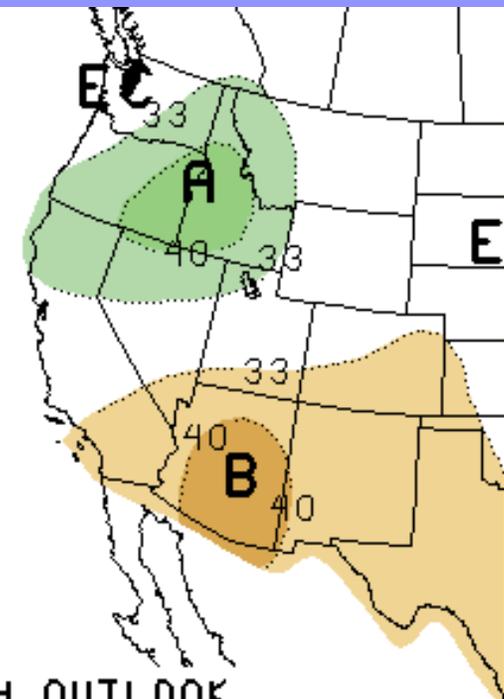
Average La Niña winter precip: 1916-2003



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?