Harold Snyder P.O. Box 926 Nipomo, CA 93444 (805) 929-2455 H

January 13, 2011

Nipomo Community Services District 148 Wilson Street P.O. Box 326 Nipomo, CA 93444

(805) 929-1133 Phone (805) 929-1932 Fax

Dear Michael LeBrun:

I am making a public record request for a copy of the power point presentation at the January 12, 2011 board meeting on the "Groundwater Index Presentation" Item E1 provided to the district by "Brad Newton" that that is in color.

Thank You

Harold Snyder

Hand Delivered.

RECEIVED

JAN 1 : 2011

NIPOMO COL MINITY

NIPOMO COMMUNITY

BOARD MEMBERS

JAMES HARRISON, PRESIDENT LARRY VIERHEILIG, VICE PRESIDENT MICHAEL WINN, DIRECTOR ED EBY, DIRECTOR DAN GADDIS, DIRECTOR



SERVICES DISTRICT

STAFF

MICHAEL LEBRUN, P.E., INTERIM GENERAL MGR. LISA BOGNUDA, ASST. GEN. MGR./FINANCE DIR. PETER SEVCIK, P.E., DISTRICT ENGINEER JON SEITZ, GENERAL COUNSEL

148 SOUTH WILSON STREET POST OFFICE BOX 326 NIPOMO, CA 93444 - 0326 (805) 929-1133 FAX (805) 929-1932 Website address: ncsd.ca.gov

January 19, 2010

Mr. Harold Snyder P.O. Box Nipomo, CA 93444

SUBJECT: PUBLIC DOCUMENT REQUEST

Dear Mr. Snyder,

Enclosed is a color copy of the Groundwater Index presentation made during the January 12, 2011 regular Board meeting per your January 13, 2011 public records request (Attached).

Please remit \$6.50 at your earliest convenience to cover our cost. (\$1.50 first page, \$.20 each additional page, 26 page document).

Very truly yours,

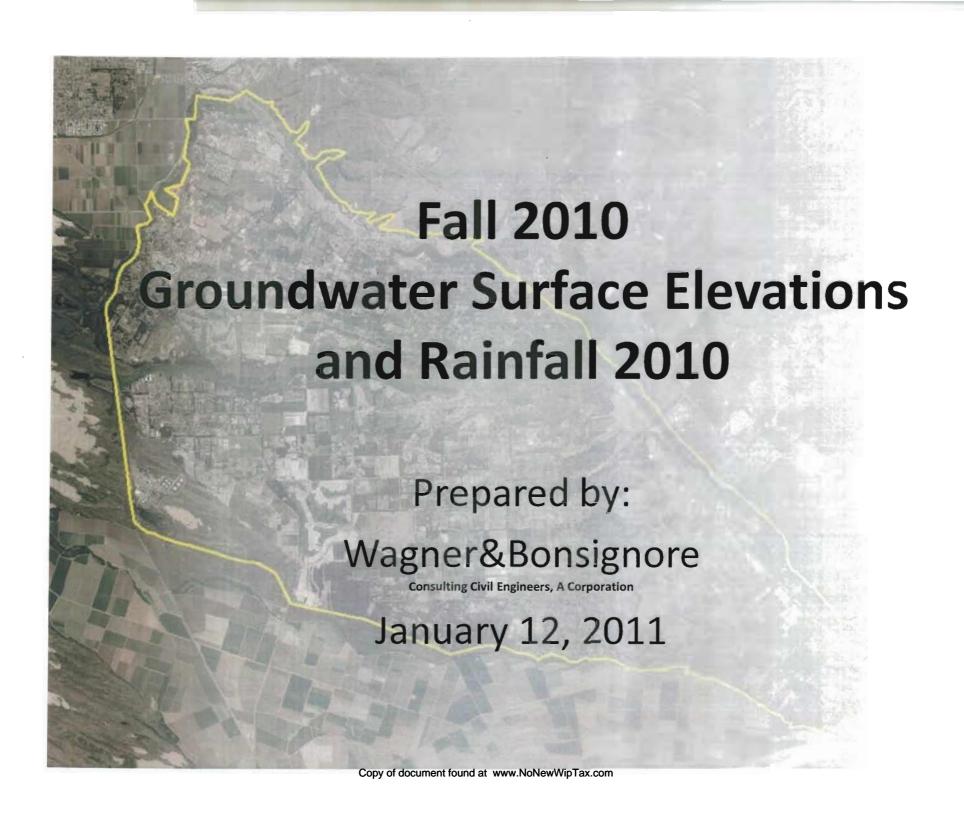
NIPOMO COMMUNITY SERVICES DISTRICT

Michael LeBrun, P.E. Interim General Manager

Enclosures:

- Fall 2010 Groundwater Index Presentation
- January 13, 2011

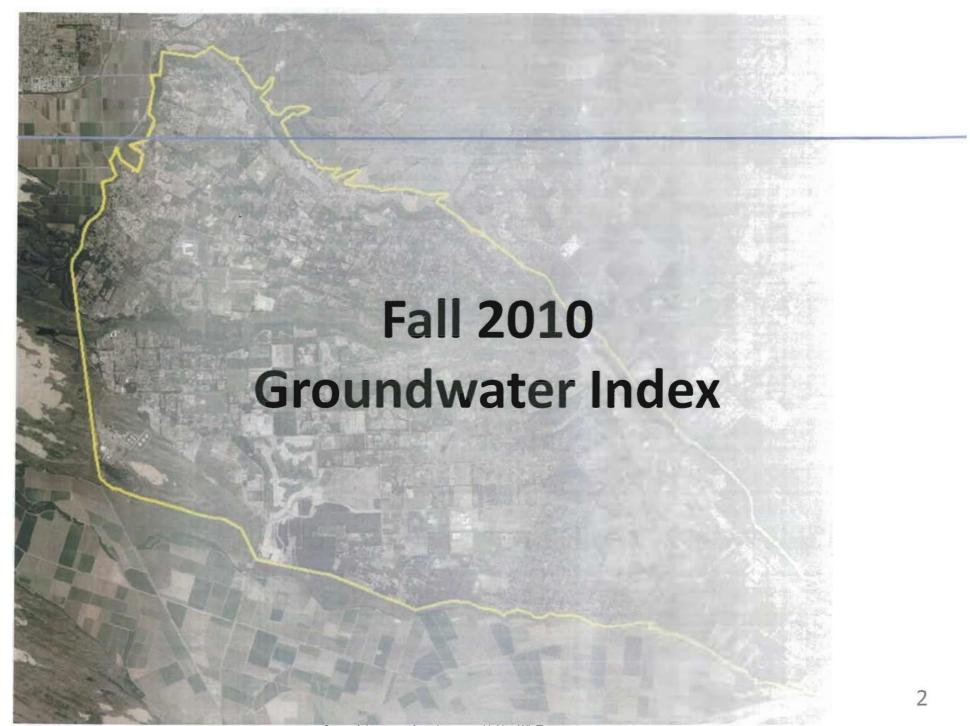
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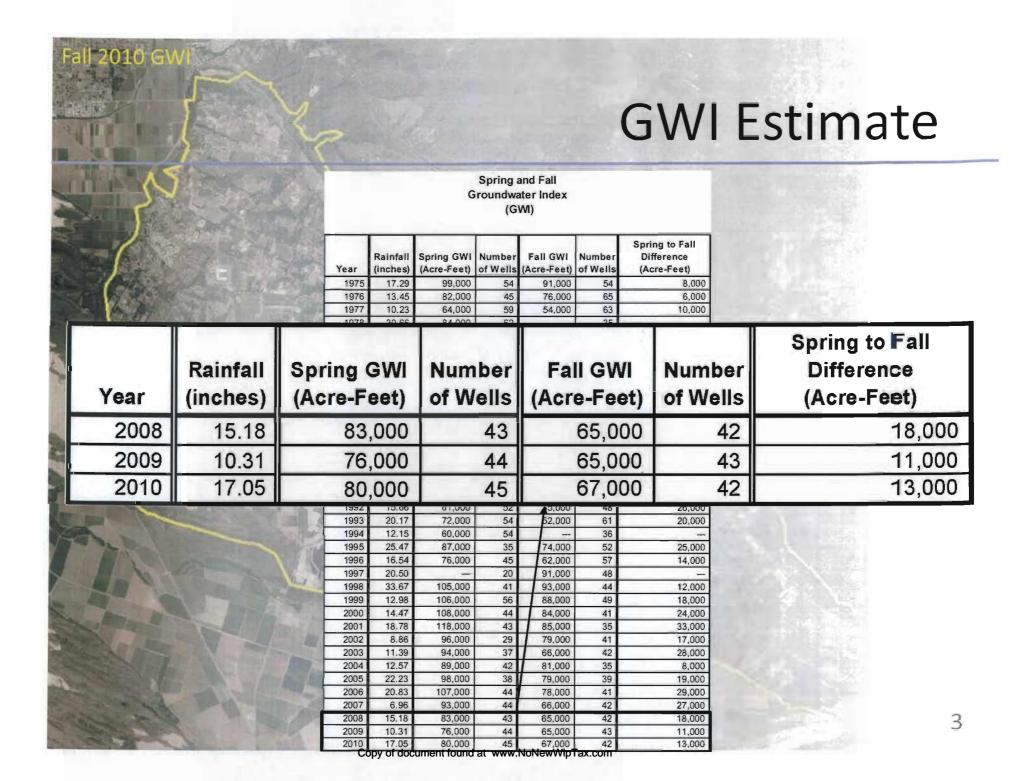


Overview

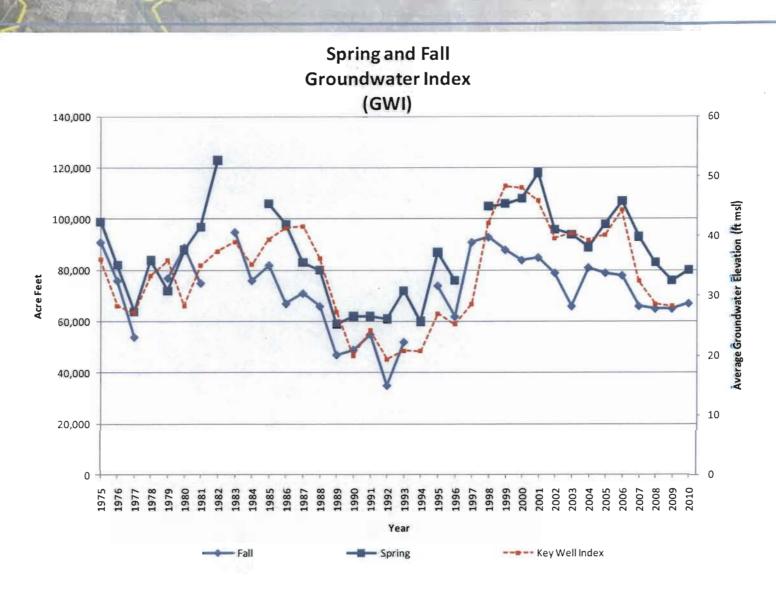
Estimate of Fall 2010
 Groundwater Index

Rainfall

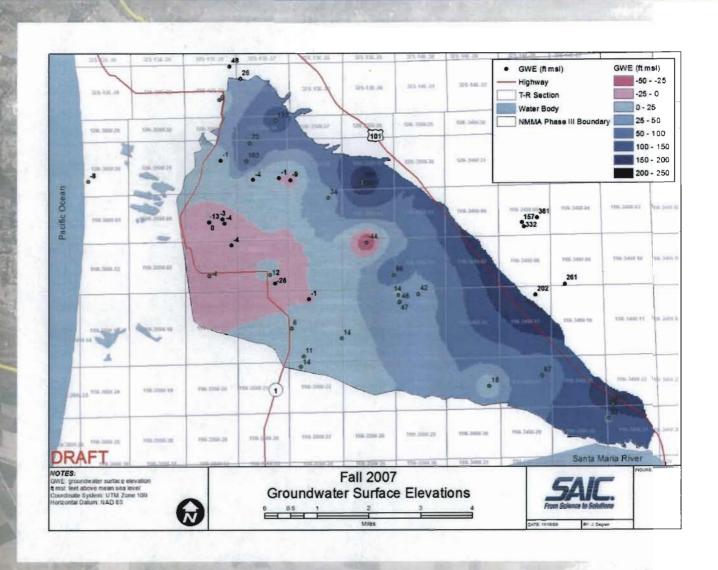


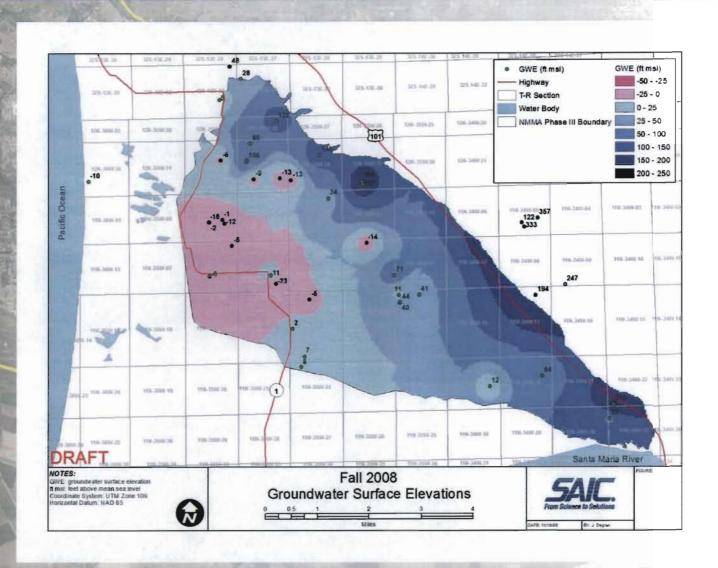


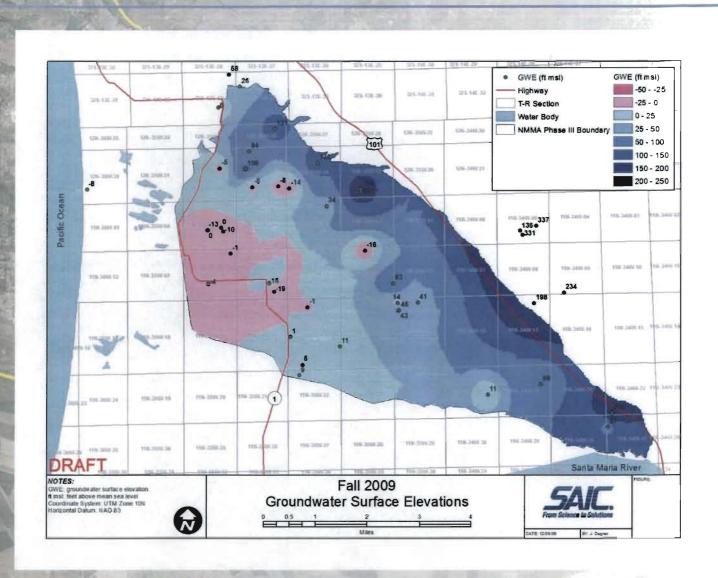
GWI Estimate

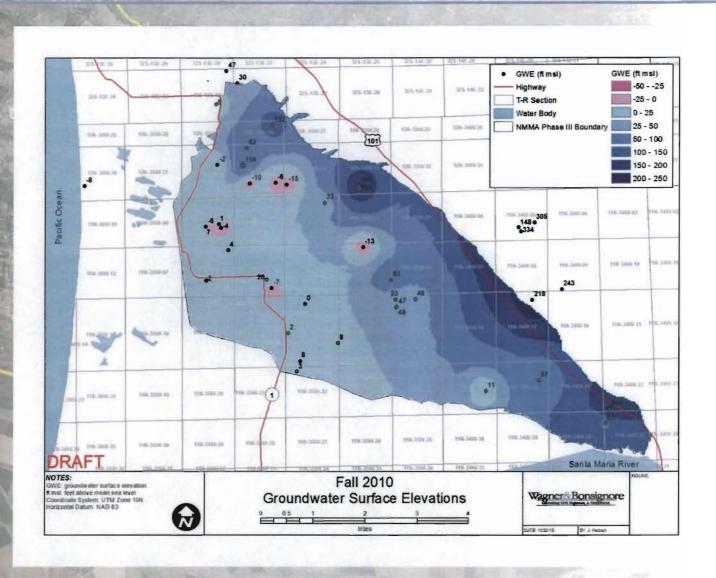


Spatial Distribution Groundwater surface elevations are not uniform Lowest water levels are in the central and western portion of the Nipomo Mesa Several GWE are below sea level in the western portion of the Nipomo Mesa



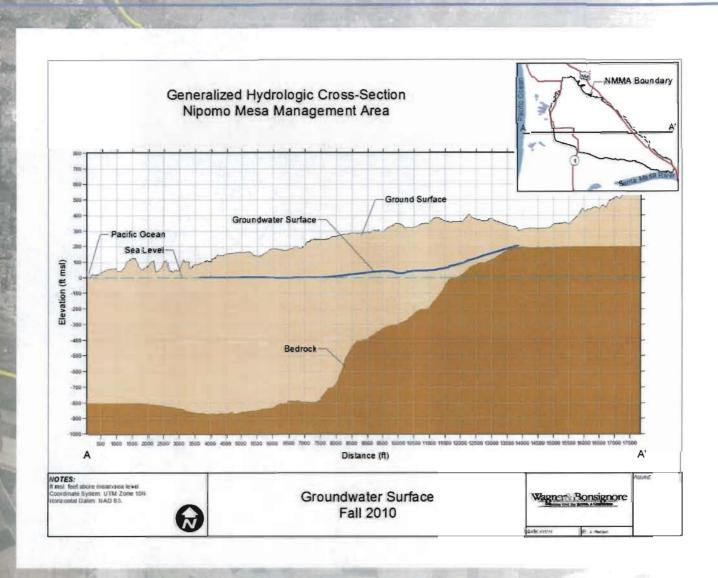


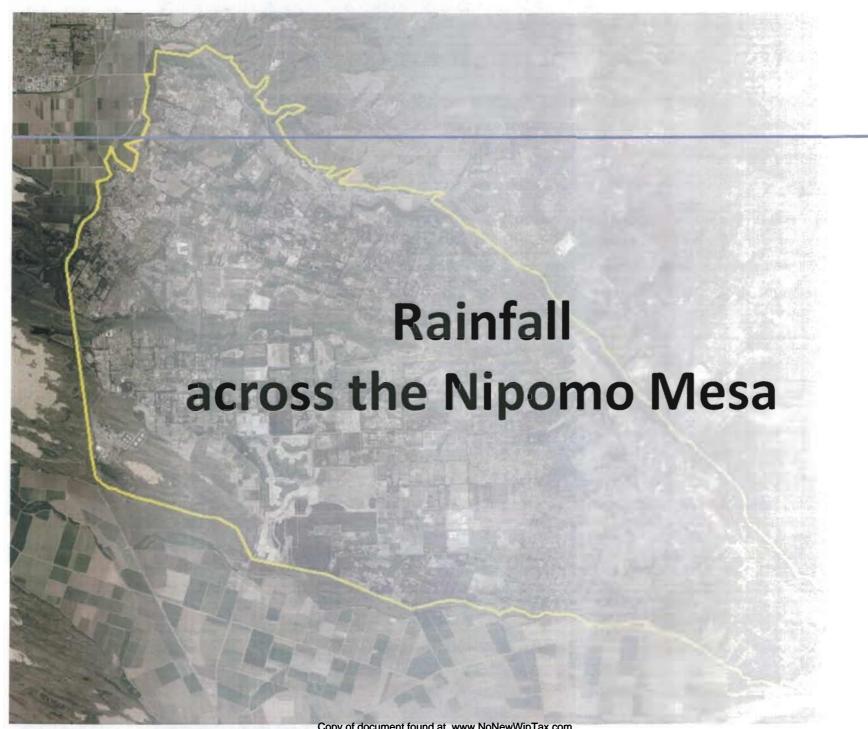




Fall 2010 GW

Groundwater Cross-Section





Annual Data

Water Year		Nipomo CDF
	Mehlschau (38)	(151.1)
1990-1991	16.47	13.18
1991-1992	18.02	15.66
1992-1993	22.2	20.17
1993-1994	13.87	12.15
1994-1995	31.47	25.87
1995-1996	18.57	16.54
1996-1997	23.38	20.5
1997-1998	39.05	33.67
1998-1999	15.53	12.98
1999-2000	19.93	
2000-2001	21.62	
2001-2002	10.25	
2002-2003	16.95	11.39
2003-2004	13.35	12.57
2004-2005	25.81	22.23
2005-2006	26.52	20.83
2006-2007	8.22	7.11
2007-2008	15.8	15.18
2008-2009	12.15	10.31
2009-2010	21.82	20.07
Period of Record Average	16.7	15.5

2010-2011

Oceano (795) Currently – 14.96 in.

Nipomo South (730) Currently – 16.57 in.

Nipomo East (728) Currently – 18.3 in.

One Month Outlook Jan 2011 - REVISED EC EC ONE-MONTH OUTLOOK TEMPERATURE PROBABILITY 0.0 MONTH LEAD VALID JAN 2011 MADE 31 DEC 2010 -MONTH OUTLOOK CIPITATION PROBABILITY MONTH LEAD ID JAN 2011 E 31 DEC 2010 http://www.cpc.ncep.noaa.gov/products/predictions/long_range/lead14/index.php

Three Month Outlooks Jan-Feb-Mar 2011 THREE-MONTH OUTLOOK TEMPERATURE PROBABILITY 0.5 MONTH LEAD YALID JFM 2011 MADE 16 DEC 2010 http://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=1

Three Month Outlooks Feb-Mar-Apr 2011

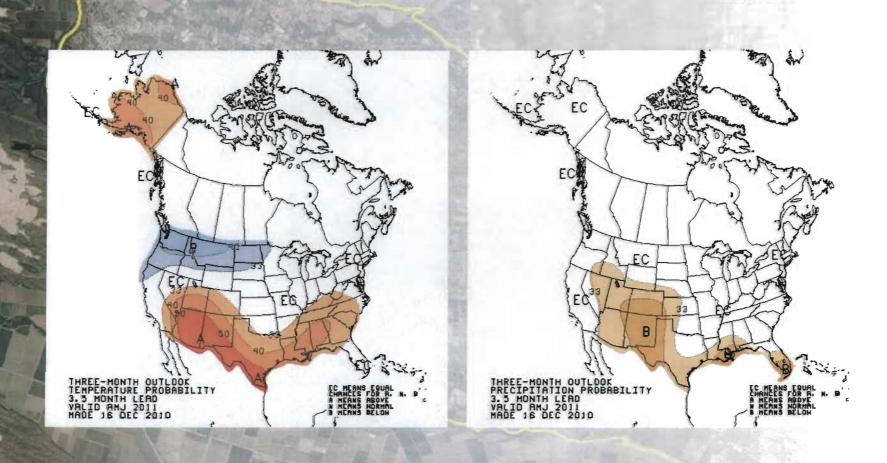
THREE-MONTH OUTLOOK TEMPERATURE PROBABILITY 1.5 MONTH LEAD VALID FMA 2011 MADE 16 DEC 2010

Three Month Outlooks Mar-Apr-May 2011 THREE-MONTH OUTLOOK TEMPERATURE PROBABILITY 2.5 MONTH LEAD VALID MAM 2011 MADE 16 DEC 2010 THREE-MONTH OUTLOOK PRECIPITATION PROBABILITY 2.5 MONTH LEAD VALID MAM 2011 MADE 16 DEC 2010

http://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=3

Three Month Outlooks

Apr-May-Jun 2011



http://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=4

Three Month Outlooks May-Jun-Jul 2011 THREE-MONTH OUTLOOK TEMPERATURE PROBABILITY 4.5 MONTH LEAD VALID MJJ 2011 MADE 16 DEC 2010 EE-MONTH OUTLOOK CIPITATION PROBABILITY MONTH LEAD ID MJJ 2011 E 16 DEC 2010

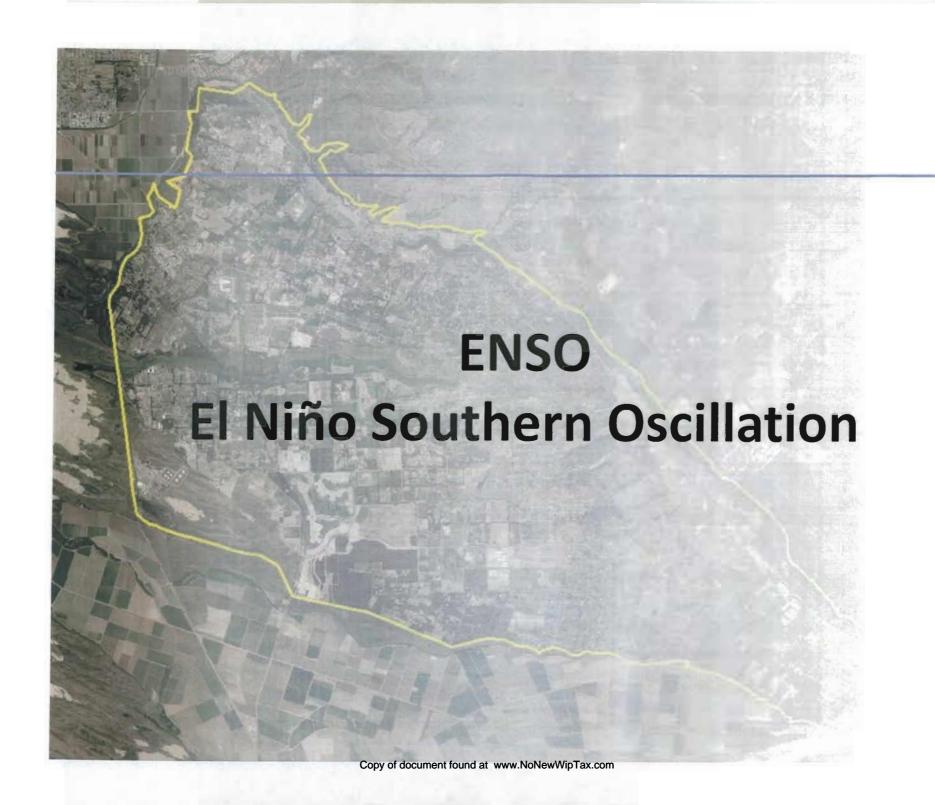
https://www.cpc.iicep.noaa.gov/products/predictions/long_range/seasonal.php?lead=5

Rainfall

30-Day Outlook

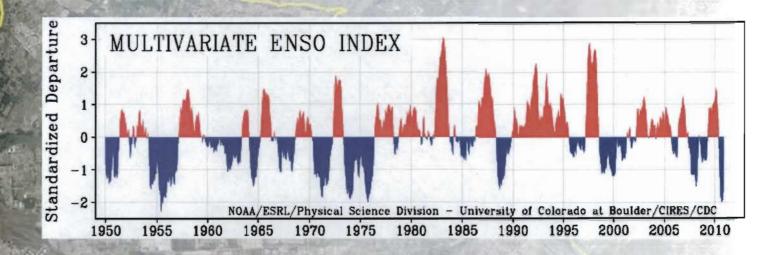
January 2011

- LA NINA conditions continue
- •Climate Prediction Center forecast calls for above average precipitation (>3.3 in.) over Southern California in January
- •10 day weather models (GFSx 500 mb/SL Pres) suggest high-pressure to build off our coast after mid-week cold front passes (no rain)



El Niño - La Niña TYPICAL JANUARY-MARCH WEATHER ANOMALIES AND ATMOSPHERIC CIRCULATION DURING MODERATE TO STRONG EL NIÑO & LA NIÑA El Niño LOW PRESSURE PERSISTENT EXTENDED PACIFIC JET STREAM & AMPLIFIED STORMTRACK VARIABLE La Niña POLAR BLOCKING HIGH PRESSURE STREAM http://en.wikipedia.org/wiki/Effects_of_the_El_Ni%C3%B1o-Southern_Oscillation_in_the_United_States#cite_note-5

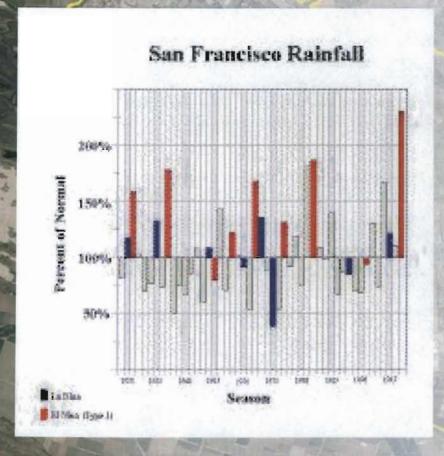
ENSO Index

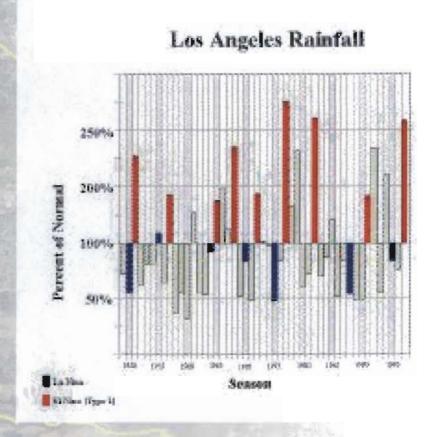


Multivariate ENSO Index (MEI) is based on the six main observed variables over the tropical Pacific. These six variables are: sea-level pressure (P), zonal (U) and meridional (V) components of the surface wind, sea surface temperature (S), surface air temperature (A), and total cloudiness fraction of the sky (C).

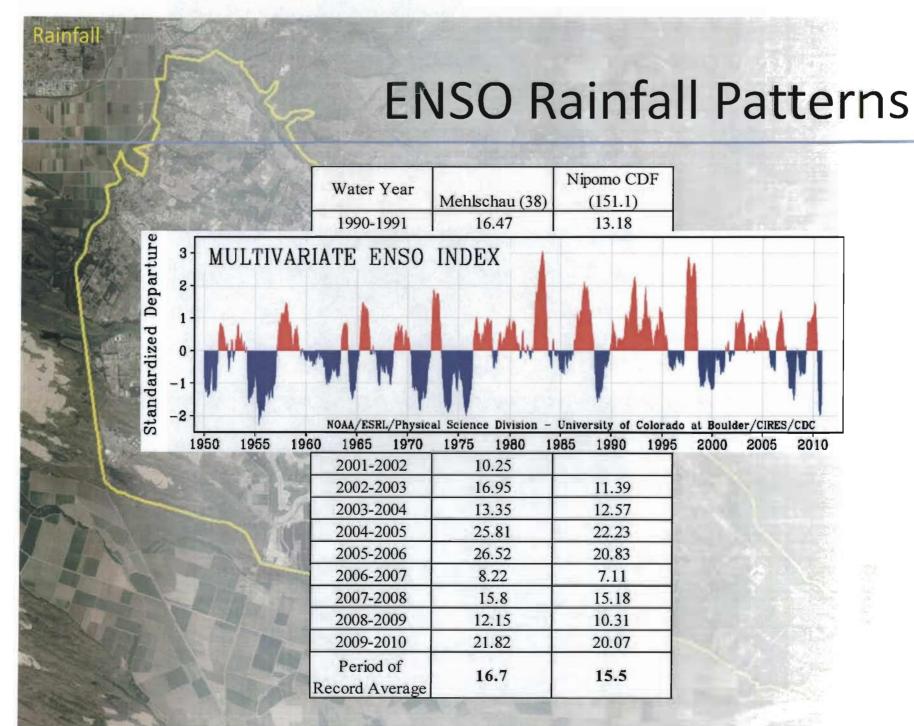
http://www.esrl.noaa.gov/psd/people/klaus.wolter/MEI/

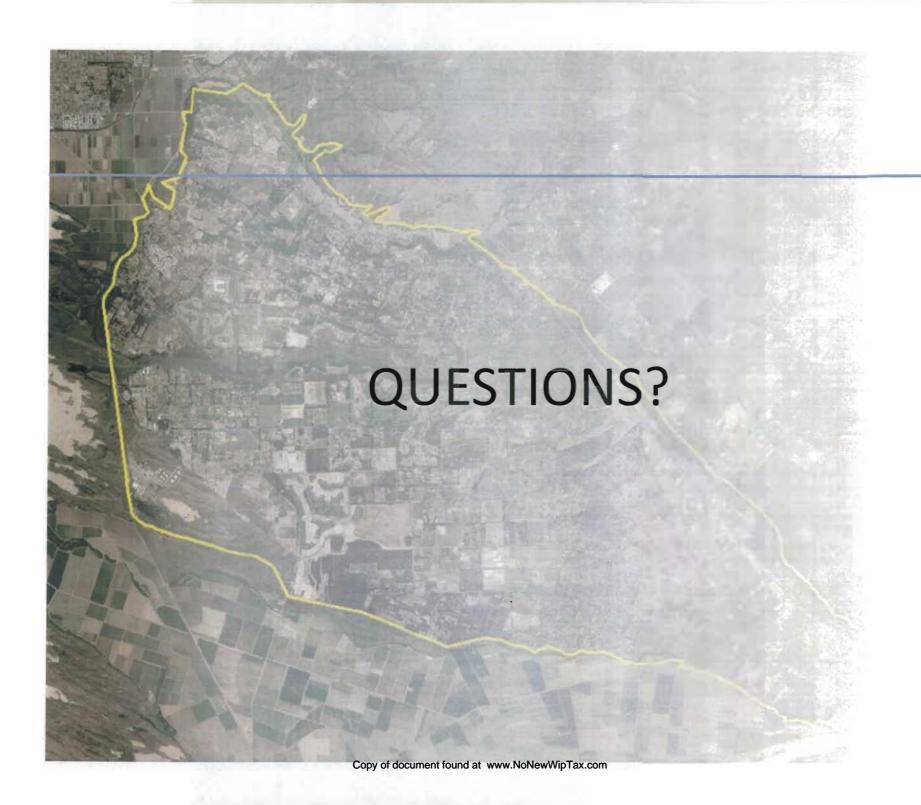
ENSO Rainfall Patterns





WESTERN REGION TECHNICAL ATTACHMENT NO. 97-37 NOVEMBER 21, 1997





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