

RECEIVED

JUN 22 2011

NIPOMO COMMUNITY
SERVICES DISTRICT

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

June 22, 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 June 22, 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.

NIPOMO COMMUNITY

BOARD MEMBERS

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



SERVICES DISTRICT

STAFF

MICHAEL S. LEBRUN, P.E., GENERAL MANAGER.
LISA BOGNUDA, ASSISTANT GENERAL MANAGER
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

June 27, 2010

Mr. Harold Snyder
P.O. Box 926
Nipomo, CA 93444

SUBJECT: PUBLIC DOCUMENT REQUEST

Dear Mr. Snyder,

Enclosed is a color copy of the Groundwater Index presentation made during the June 22, 2011 regular Board meeting per your June 22, 2011 public records request.

Please remit \$3.80 at your earliest convenience to cover our cost. (\$1.50 first page, \$.20 each additional page, 13 page document).

Very truly yours,

NIPOMO COMMUNITY SERVICES DISTRICT

Michael S. LeBrun, P.E.
General Manager

Enclosures:

- Spring 2011 Groundwater Index Presentation

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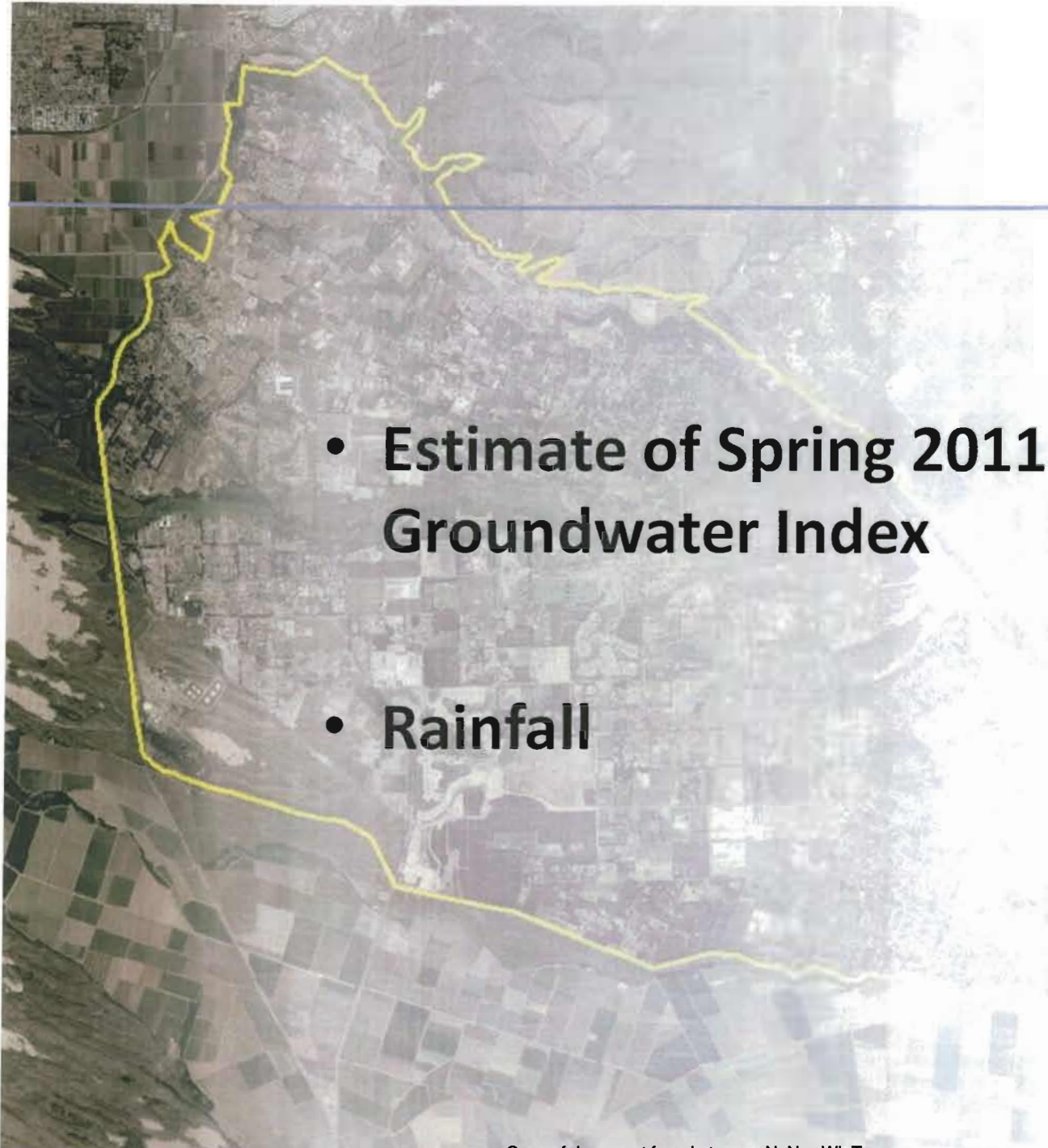
An aerial photograph of a rural landscape, likely a farm or agricultural area, with a yellow boundary line tracing a path across the fields. The terrain is a mix of brown and green, suggesting different types of crops or land use. The text is overlaid on the right side of the image.

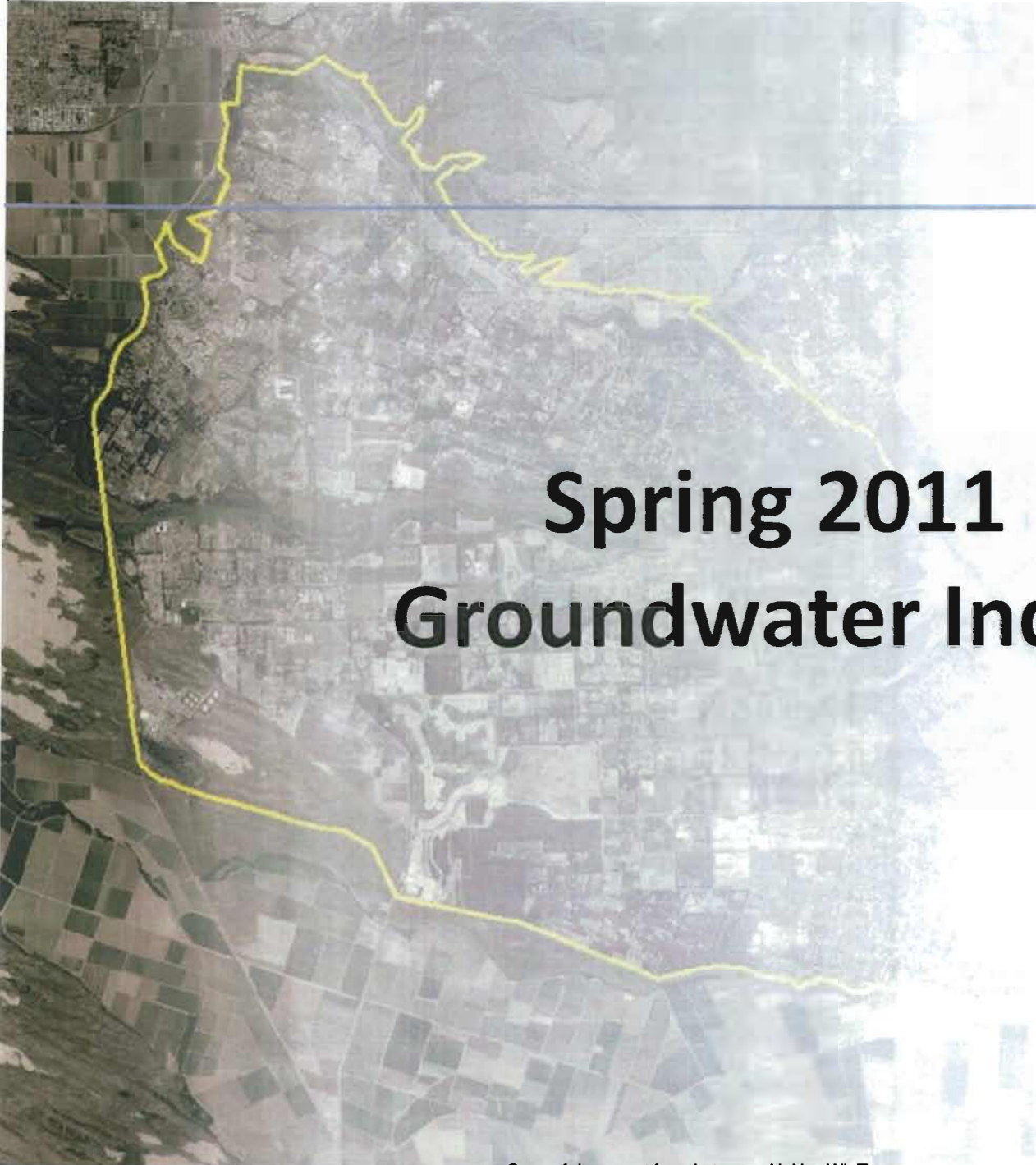
Spring 2011 Groundwater Surface Elevations and Rainfall 2011

Prepared by Wagner & Bonsignore,
Consulting Civil Engineers

June 22, 2011

Overview

- 
- **Estimate of Spring 2011 Groundwater Index**
 - **Rainfall**

An aerial photograph of a rural area, possibly a valley or basin, with a yellow boundary line tracing a path around a central area. A blue horizontal line is drawn across the upper portion of the image. The terrain is a mix of brownish and greenish patches, suggesting agricultural fields and some vegetation. The text "Spring 2011 Groundwater Index" is overlaid in the center of the image.

Spring 2011 Groundwater Index

Spring 2011 GWI

GWI Estimate

Spring and Fall
Groundwater Index
(GW)

Year	Rainfall (inches)	Spring GWI (Acre-Feet)	Number of Wells	Fall GWI (Acre-Feet)	Number of Wells	Spring to Fall Difference (Acre-Feet)
1975	17.29	99,000	54	91,000	54	8,000
1976	13.45	82,000	45	76,000	65	6,000
1977	10.23	64,000	59	54,000	63	10,000
1978	30.00	84,000	62	—	35	—

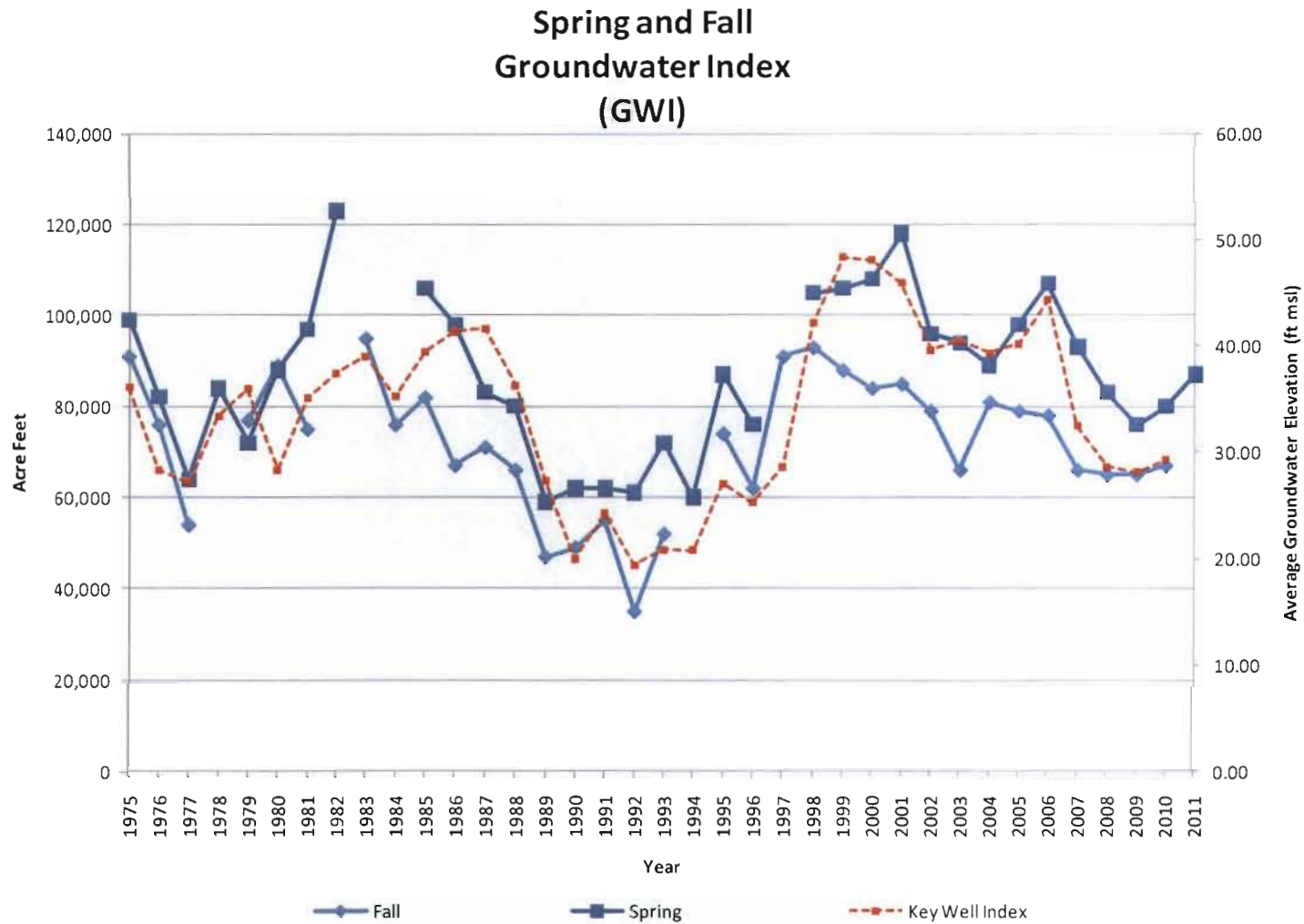
Year	Rainfall (inches)	Spring GWI (Acre-Feet)	Number of Wells	Fall GWI (Acre-Feet)	Number of Wells	Spring to Fall Difference (Acre-Feet)
2009	10.31	76,000	44	65,000	43	11,000
2010	20.07	80,000	45	67,000	42	13,000
2011	26.04*	87,000	43			

1993	20.17	72,000	54	52,000	61	20,000
1994	12.15	60,000	54	—	36	—
1995	25.87	87,000	35	74,000	52	25,000
1996	16.54	76,000	45	62,000	57	14,000
1997	20.50	—	20	91,000	48	—
1998	33.67	105,000	41	93,000	44	12,000
1999	12.98	106,000	56	88,000	49	18,000
2000	14.47	108,000	44	84,000	41	24,000
2001	18.78	118,000	43	85,000	35	33,000
2002	8.86	96,000	29	79,000	41	17,000
2003	11.39	94,000	37	66,000	42	28,000
2004	12.57	89,000	42	81,000	35	8,000
2005	22.23	98,000	38	79,000	39	19,000
2006	20.83	107,000	44	78,000	41	29,000
2007	7.11	93,000	44	66,000	42	27,000
2008	15.18	83,000	43	65,000	42	18,000
2009	10.31	76,000	44	65,000	43	11,000
2010	20.07	80,000	45	67,000	42	13,000
2011	26.04*	87,000	43			

*: Preliminary value

Spring 2011 GWI

GWI Estimate



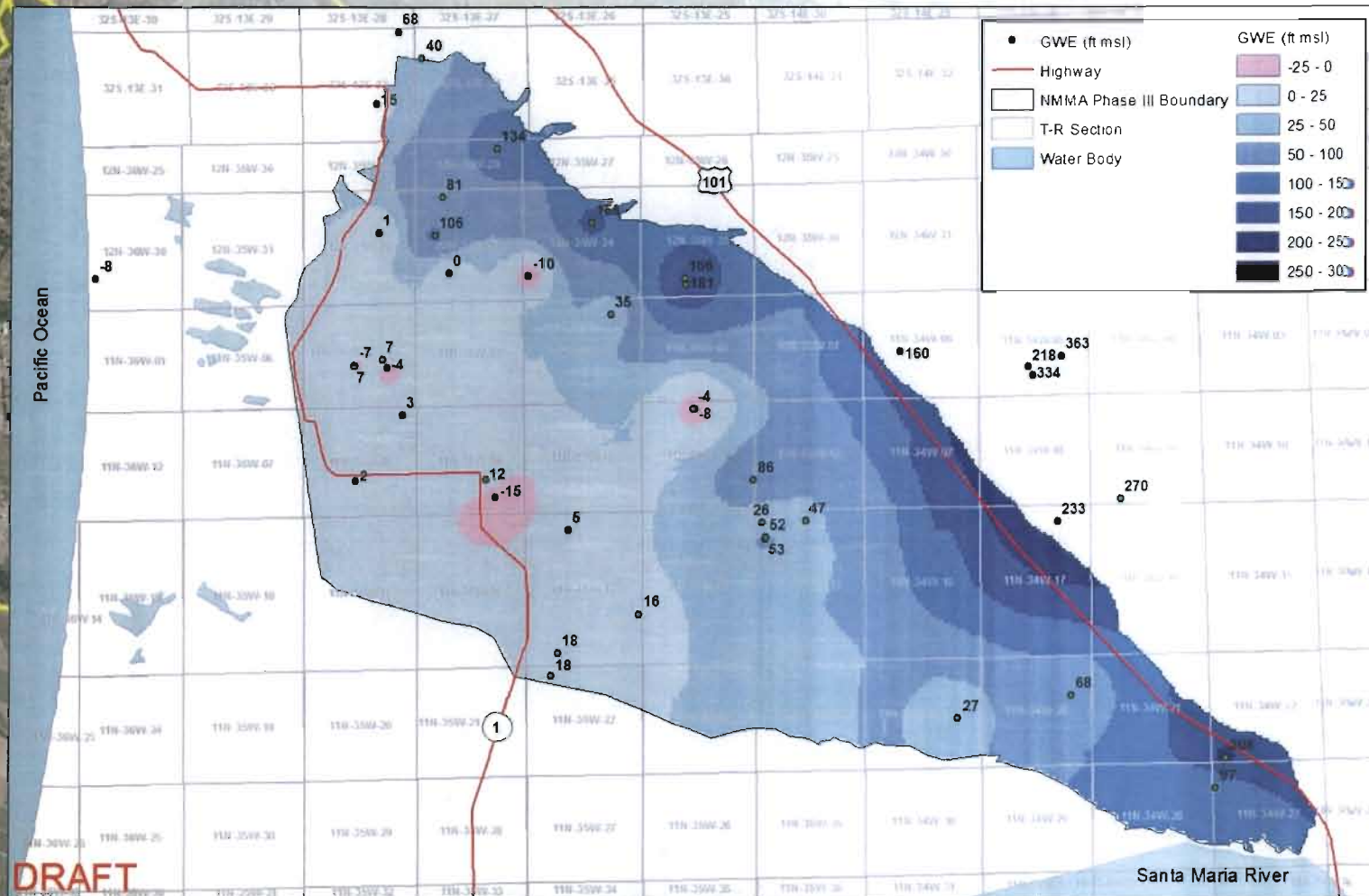
Spring 2011 GWI

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**

Spring 2011 GWI

Groundwater Surface Elevation Map

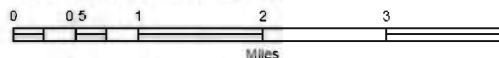


DRAFT

NOTES:
 GWE: groundwater surface elevation
 ft msl: feet above mean sea level
 Coordinate System: UTM Zone 10N
 Horizontal Datum: NAD 83



Spring 2008
 Groundwater Surface Elevations



SAIC
 From Science to Solutions

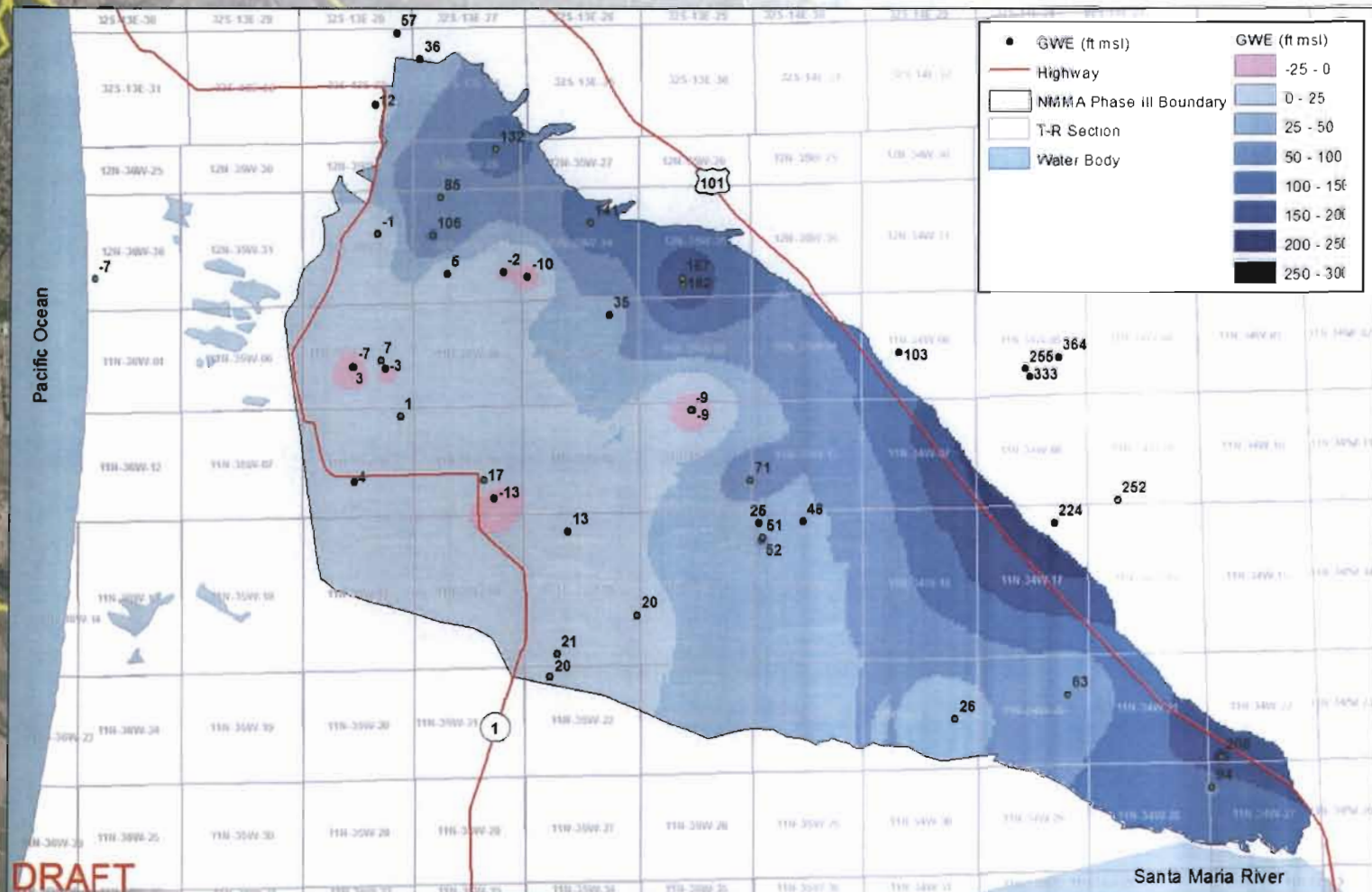
DATE 02/08/09

By: J. Dagner

FIGURE

Spring 2011 GWI

Groundwater Surface Elevation Map

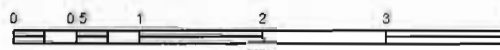


DRAFT

NOTES:
GWE: groundwater surface elevation
ft msl: feet above mean sea level
Coordinate System: UTM Zone 10N
Horizontal Datum: NAD 83



Spring 2009
Groundwater Surface Elevations

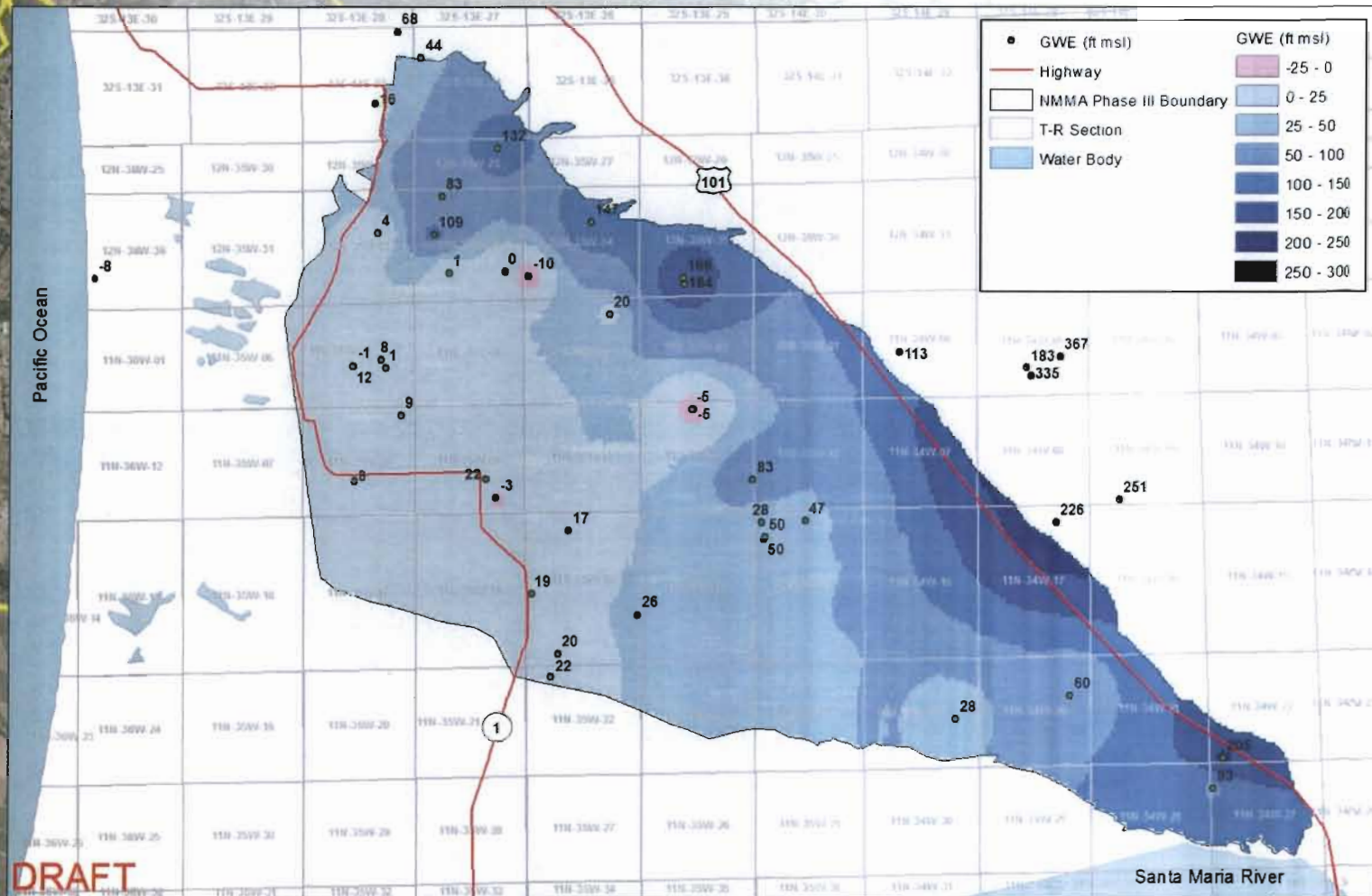


SAIC
From Science to Solutions

FIGURE

Spring 2011 GWI

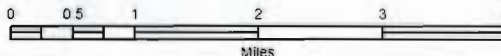
Groundwater Surface Elevation Map



NOTES:
GWE: groundwater surface elevation
ft msl: feet above mean sea level
Coordinate System: UTM Zone 10N
Horizontal Datum: NAD 83



Spring 2010
Groundwater Surface Elevations



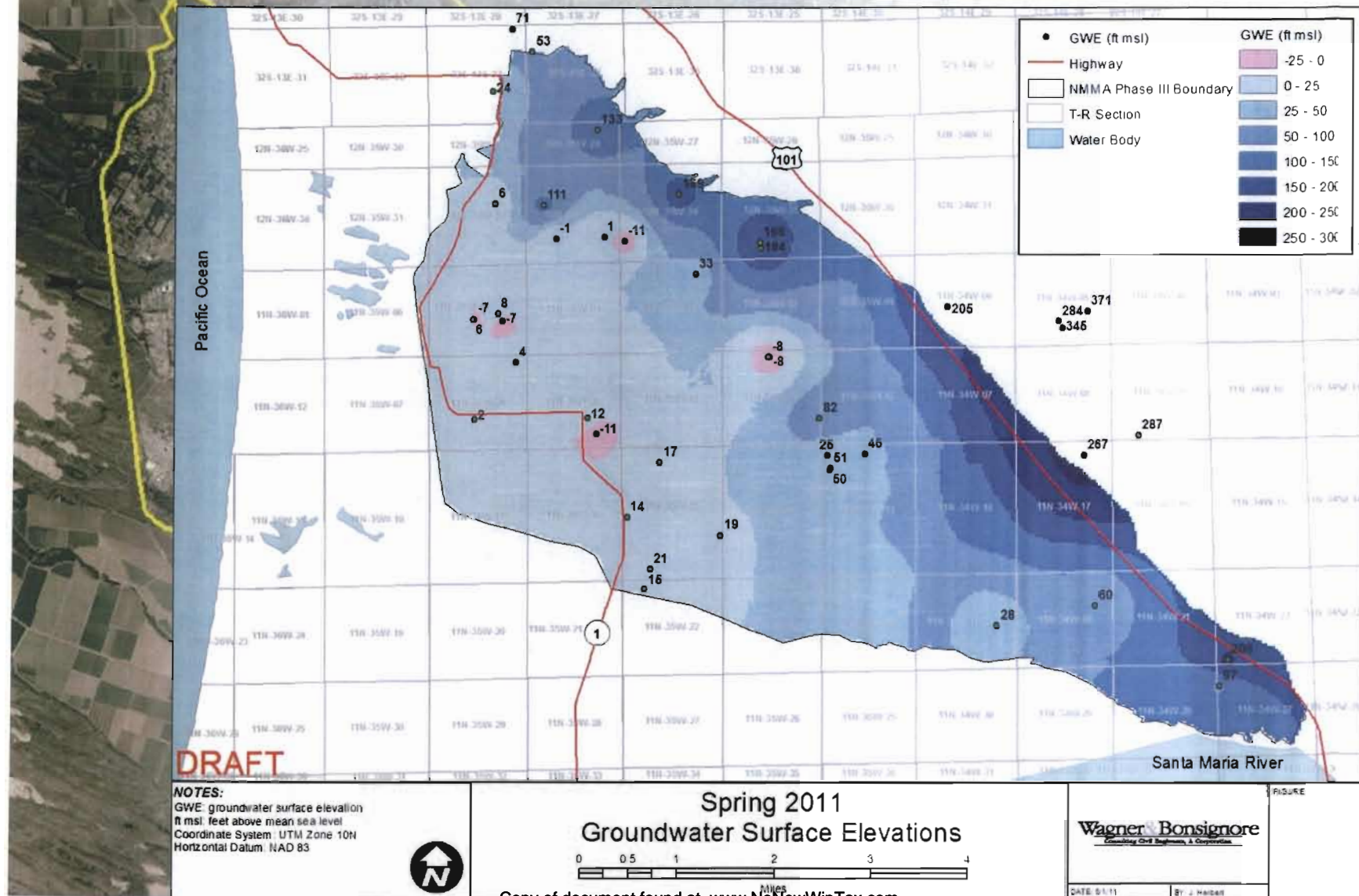
FIGURE

DATE: 7/14/10

BY: J. Dagner

Spring 2011 GWI

Groundwater Surface Elevation Map





Rainfall across the Nipomo Mesa

Rainfall

Annual Data

Water Year	Mehlschau (38)	Nipomo CDF (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
2010-2011		
Period of Record Average	16.7	15.5

2010-2011

Nipomo East (728)
Currently – 29.36 in.

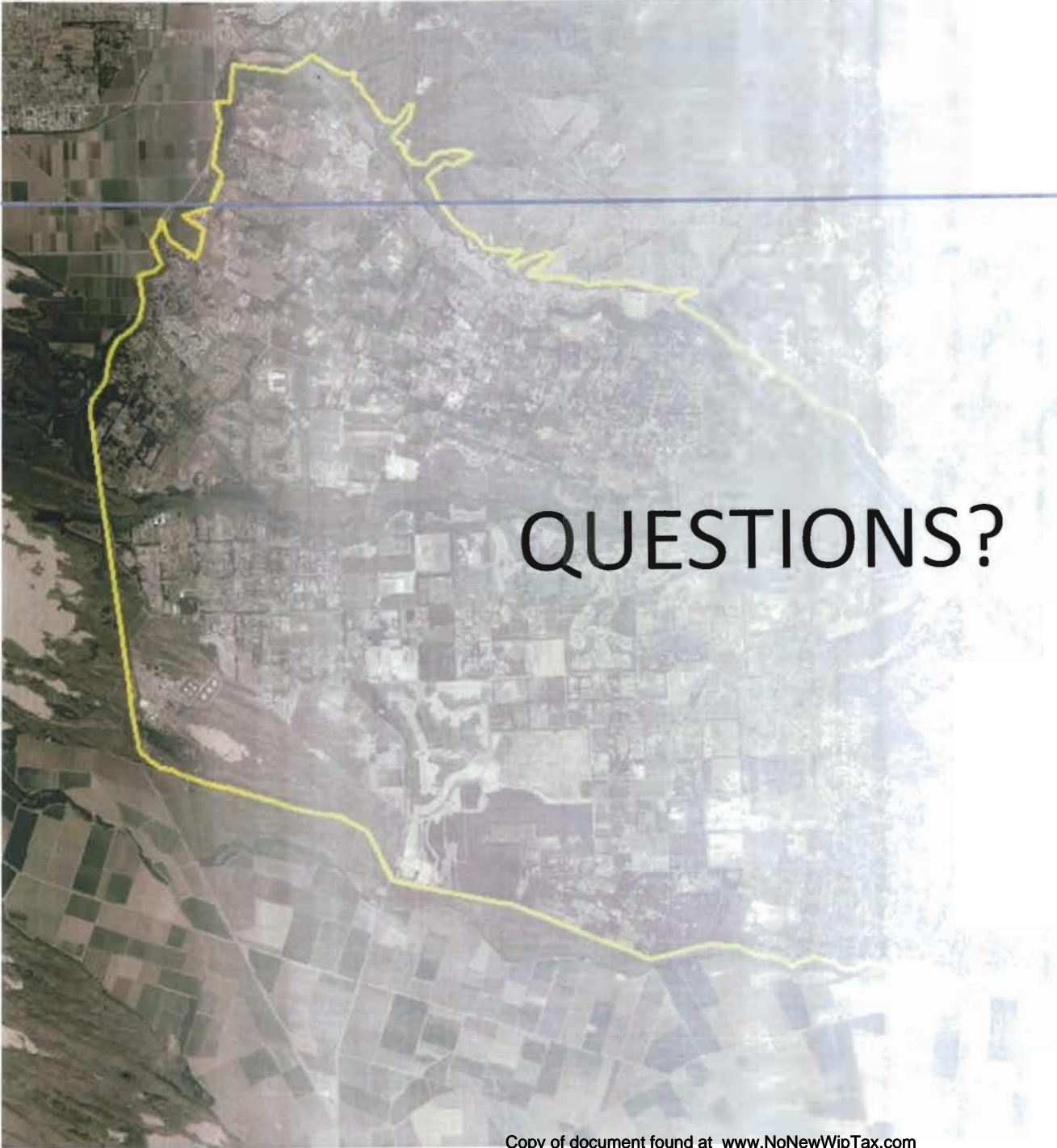
Nipomo South (730)
Currently – 26.46 in.

Oceano (795)
Currently – 22.31 in.

Rainfall

Annual Data





QUESTIONS?