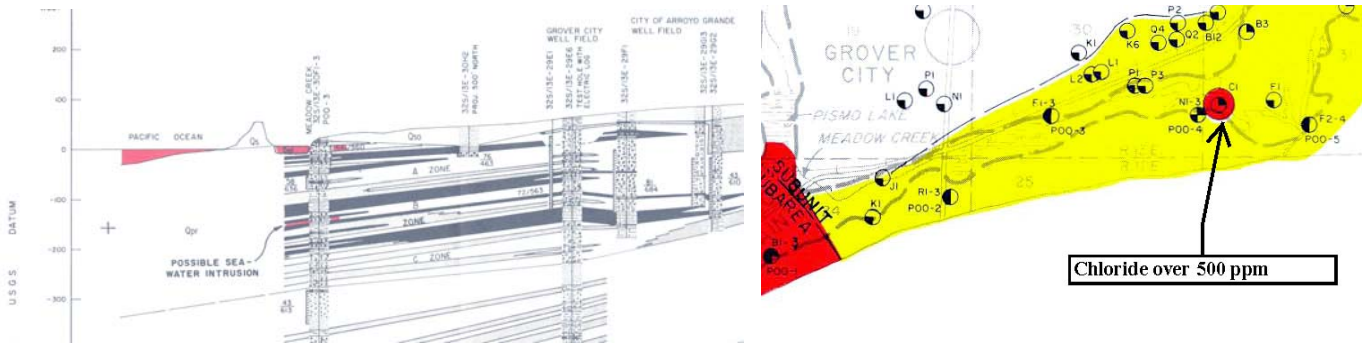


Wrac 11/4/09 update, Notes on the high chloride at 32S/13E-30N1-3.

Wells in area had high chloride numbers in past, See DWR 63-3 report, how were those sources excluded as a possibility in 2009?



How the well was “cleaned” as reported in the Arroyo Grande update?

How was the well checked for damage after the 2003 San Simeon Earthquake? (as reported in Liquefaction-Induced Lateral Spreading in Oceano, California):

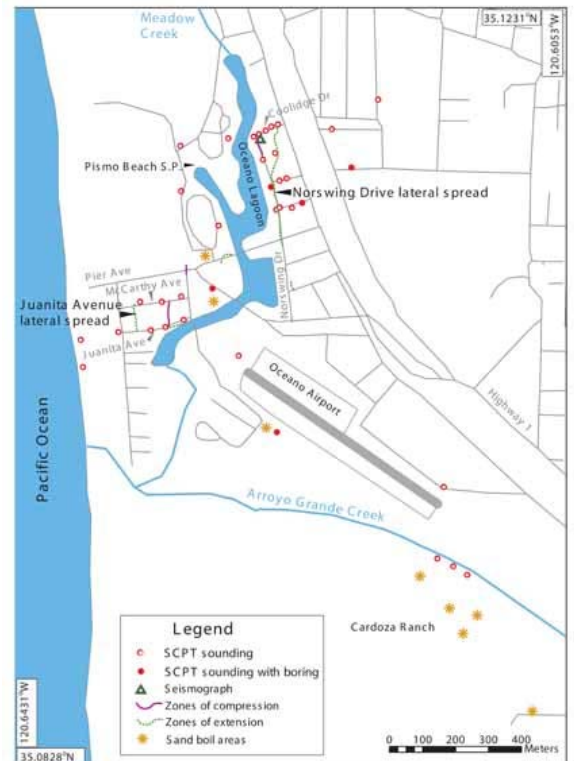
<http://pubs.usgs.gov/of/2004/1269/>

Where is the public copy of the actual water tests report?

Why is there not public record?

Why was the monitoring not changed to monthly?

What check has been made that the wells around this well are properly sealed before being abandon?



Downward contamination has been a problem in other areas: “As described by Izbicki (1991) and Stamos *et al.*(1992), the casing of the original monitoring well failed, allowing the extremely saline water from the overlying perched aquifer to enter the Oxnard aquifer.” “downward leakage from the perched aquifer, may be more of a concern than previously realized (see Predmore, 1993). Therefore, remediation of this problem will require different solutions than those developed prior to this study when sea water intrusion was thought to be the only source of contamination.”:

http://www.cig.ensmp.fr/~iahs/redbooks/a233/iahs_233_0211.pdf Page 2:

Wrac 11/4/09 update, Notes on the Lost Oso Flaco Well:

The wells in the Santa Maria Valley that are in San Luis Obispo County that have data monitored or collected by Santa Barbara County **are public record and on the DWR and USGS websites.** The **readings by San Luis Obispo are not** made part of the DWR and USGS website and should be.

There seems to be **no public record of what was done to search for the wells** and why they could not be found or are “unavailable”.

All the NMMA TG states is **“Additionally, the TG is considering replacing the currently unavailable coastal nested site 13K2-K6 near Oso Flaco Lake.”**

If the wells are “unavailable” and being abandon how were they properly sealed before being abandon? In keeping the wells “unavailable” the county is leaving a source of possible sea water intrusion.

On line data locations, DWR website for water data: <http://www.water.ca.gov/waterdatalibrary/>
On line data locations, USGS water site: <http://wdr.water.usgs.gov/nwisgmap/>

Collection of aerial maps and other data to find the wells are being collected at:
<http://nipomopumpkinpatch.com/LostWell/Home.html>

There should be no problem with access because:

The State of California, on 2/21/03, was named in the lawsuit by NCSD:

5394	State of California - Lands Commission	http://www.sccomplex.org/docfiles/N672978C7B9B.pdf
5395	State Of California - Parks & Beaches	http://www.sccomplex.org/docfiles/N672978C7B9B.pdf
5396	State Of California - Parks & Recreation	http://www.sccomplex.org/docfiles/N672978C7B9B.pdf
5397	State of California	http://www.sccomplex.org/docfiles/N672978C7B9B.pdf
5398	State of California, Department of Fish and Game	http://www.sccomplex.org/docfiles/N672978C7B9B.pdf

But the State did not sign the settlement, and can not attend the secret technical meetings.

The Judgment, which is pending appeal, provides that a motion can be made to require access if needed. No motion is pending.

I am doing interviews and searching for people who have been to the wells and seen them.

Any possible names or pictures of the well location would be helpful

John Snyder

Monitoring wells list:

DWR Report 63-3 on Sea Water intrusion states: "Objective and Scope of Investigation: The objective of this program was to determine the extent and rate of seawater intrusion. Specifically, this involved three tasks:

One, to establish a minimum sea-water intrusion monitoring system;

Second, to determine the geologic, hydrologic, and native water quality environment;

Third, to determine the present status of sea-water intrusion and evaluate the potential for and likely nature of further salt water encroachment.

Located at: http://www.nipomowaterfacts.com/index.php/get_info/pismo_sentinel_well/

Missing monitoring wells are bold and underline?

32S/12E-24B1-3, (P00-1, DWR 63-3)

USGS Latitude 35°07'53", Longitude 120°38'11" NAD27

Well depth: 65.0 feet, Hole depth: 964 feet

Land surface altitude: 7.20 feet above sea level NGVD29.

Site: 350753120381101 Site Name: 032S012E24B001M [Access Data](#)

Site: 350753120381103 Site Name: 032S012E24B003M [Access Data](#)

Site: 350753120381102 Site Name: 032S012E24B002M [Access Data](#)

32S/12E-24R1-3

35.1216 -120.6332

(P00-2, DWR 63-3). End of Grande Avenue

DWR Updated well levels to 1980

USGS Latitude 35°07'18", Longitude 120°37'56" NAD27

Well depth: 390 feet, Hole depth: 848 feet

Land surface altitude: 20.90 feet above sea level NGVD29.

Site: 350718120375602 Site Name: 032S012E24R002M [Access Data](#)

Site: 350718120375601 Site Name: 032S012E24R001M [Access Data](#)

Site: 350718120375603 Site Name: 032S012E24R003M [Access Data](#)

32S/13E-30F1-3

35.1150 -120.6274

(P00-3, DWR 63-3). Park head Quarters

DWR Updated well levels to 1980

USGS Latitude 35°06'54", Longitude 120°37'35" NAD27

Well depth: 55.0 feet, Hole depth: 803 feet

Land surface altitude: 17.30 feet above sea level NGVD29.

Site: 350654120373501 Site Name: 032S013E30F001M [Access Data](#)

Site: 350654120373502 Site Name: 032S013E30F002M [Access Data](#)

Site: 350654120373503 Site Name: 032S013E30F003M [Access Data](#)

32S/13E-30NI-3

35.1064 -120.6280

(P00-4, DWR 63-3). Pier Avenue

DWR Updated well levels to 1980

USGS Latitude 35°06'23", Longitude 120°37'37" NAD27

Well depth: 40.0 feet, Hole depth: 873 feet

Land surface altitude: 10.60 feet above sea level NGVD29.

Site: 350623120373701 Site Name: 032S013E30N001M [Access Data](#)

Site: 350623120373703 Site Name: 032S013E30N003M [Access Data](#)

Site: 350623120373702 Site Name: 032S013E30N002M [Access Data](#)

32S/13E-31F2-4

South of Arroyo Grande Creek
(P00-5, DWR 63-3)

12N/36W-36L1-2

35.0739 -120.6266

(NMMA report shows put in by DWR) Celery Lake/ Hospital Lake
DWR Updated well levels to 1979, Woodlands from 1975 to 1992
USGS Latitude 35°04'26", Longitude 120°37'32" NAD27

Well depth: 240 feet, Hole depth: 848 feet

Land surface altitude: 22.30 feet above sea level NGVD29.

Site: 350426120373201 Site Name: 012N036W36L001S [Access Data](#)

Site: 350426120373202 Site Name: 012N036W36L002S [Access Data](#)

11N/36W-12C1-3

35.0525 -120.6285

(NMMA report shows put in by DWR) Willow Road/Conco
DWR Updated well levels to 1979, Woodlands from 1975 to 1992
USGS Latitude 35°03'09", Longitude 120°37'39" NAD27

Well depth: 460 feet, Hole depth: 999 feet

Land surface altitude: 19.50 feet above sea level NGVD29.

Site: 350309120373902 Site Name: 011N036W12C002S [Access Data](#)

Site: 350309120373903 Site Name: 011N036W12C003S [Access Data](#)

Site: 350309120373901 Site Name: 011N036W12C001S [Access Data](#)

11N/36W-13K2-6

35.0322 -120.6225

(OF-1,, DWR 63-3). Oso Flaco Lake Drilled 1966

DWR well levels to 1978, Not part of "SLO level data" released in 1999

DWR report 2002, did not sample 11N36W13K2-6 but did cover the wells north & south
Not on USGS well data base map, Other 1999 USGS data sets shows levels to 11/27/1973

11N/36W-35J2-6,

34.9891 -120.6388

(G0-2,, DWR 63-3), Oil Field 1967

DWR Updated well levels to 2005,06,07

USGS Latitude 34°59'21", Longitude 120°38'16" NAD27

Well depth: 615 feet, Hole depth: 629 feet

Land surface altitude: 30.00 feet above sea level NGVD29.

Site: 345921120381601 Site Name: 011N036W35J002S [Access Data](#)

Site: 345921120381602 Site Name: 011N036W35J003S [Access Data](#)

Site: 345921120381603 Site Name: 011N036W35J004S [Access Data](#)

Site: 345921120381605 Site Name: 011N036W35J006S [Access Data](#)

Site: 345921120381604 Site Name: 011N036W35J005S [Access Data](#)

10N/36W-2Q1

34.9730 -120.6452

(G0-1, DWR 63-3), Santa Maria River/ West Main Street

DWR Updated well levels to 2005,06,07

USGS Latitude 34°58'23", Longitude 120°38'39" NAD27

Well depth: 671 feet, Hole depth: 671 feet

Land surface altitude: 10.00 feet above sea level NGVD29.

Site: 345823120383901 Site Name: 010N036W02Q001S [Access Data](#)

Site: 345823120383902 Site Name: 010N036W02Q002S [Access Data](#)

Site: 345823120383903 Site Name: 010N036W02Q003S [Access Data](#)

Site: 345823120383904 Site Name: 010N036W02Q004S [Access Data](#)

Site: 345823120383907 Site Name: 010N036W02Q007S [Access Data](#)

Site: 345823120383906 Site Name: 010N036W02Q006S [Access Data](#)

Site: 345823120383905 Site Name: 010N036W02Q005S [Access Data](#)

County of SLO's wells 1999 data:

well number	11N/36W-12C01		11N/36W-35J02		12N/36W-36L01		32S/12E-24B01		32S/13E-30F01		32S/13E-30N01		11N/35W-24D01
	Elevation	Date	Depth	Date	Depth	Date	Depth	Date	Depth	Date	Depth	Date	Depth
	19.00		33.10		22.00		7.20		27.00		10.60		321.50
12/17/75	10.8	04/29/67	1.85	12/25/75	16.2	05/02/67	3.1	05/02/67	12.2	05/02/67	6.4	04/01/73	190.9
01/08/76	10.55	06/01/67	0.5	01/08/76	13.5	06/01/67	3.2	06/01/67	13.2	06/01/67	6.75	05/11/73	181.8
01/14/76	10.43	08/08/67	4.01	01/14/76	16.63	07/12/67	3.69	07/12/67	14.29	07/12/67	7.02	10/12/73	187.5
05/26/76	10.32	09/01/67	4.73	06/08/76	18.95	08/08/67	3.57	08/08/67	15.04	08/08/67	7.04	05/01/74	188.9
06/08/76	10.5	10/09/67	3.45	05/17/77	17.03	09/05/67	3.35	09/05/67	15.34	09/05/67	7.18	11/08/74	191
05/17/77	12.74	11/14/67	2.85	11/07/77	17.85	10/11/67	3.86	10/09/67	15.41	10/09/67	7.3	10/14/75	185.9
11/07/77	12.35	12/08/67	F0	05/04/78	14.9	11/13/67	2.99	11/13/67	15.36	11/13/67	7.02	04/23/76	199
05/04/78	9.78	01/19/68	F0	12/04/78	14.64	12/08/67	2.66	12/08/67	13.37	12/08/67	6.45	10/07/76	188.1
04/19/95	0	02/23/72	0	04/11/94	16.4	06/29/72	2.57	11/29/71	11.1	06/07/76	6.52	04/20/93	187
10/26/95	11.55	06/07/72	0	11/01/94	18.2	09/20/73	2.16	02/23/72	10	05/17/77	6.41	10/20/93	189.9
10/24/96	11.9	06/29/72	0	04/19/95	15.25	04/01/74	2	06/29/72	16	11/07/77	6.16	04/19/94	195
10/29/98	6.84	09/20/73	0	10/24/96	17.2	06/07/74	1	07/20/73	11.67	04/24/78	5.25	10/20/94	187.7
		05/01/75	0	10/26/96	17.9	07/07/75	2	06/07/74	10	12/04/78	5.64	04/13/95	188
		07/07/75	0	10/29/98	16.12	01/14/76	2	04/01/75	10	04/17/79	5.63	10/12/95	245.1
		11/14/75	0			05/21/76	4	07/07/75	11	11/07/79	5.89	10/15/96	193.9
								01/04/76	11	05/09/80	4.97	10/24/97	183.8
								06/09/76	12.25	10/10/80	5.95	04/28/98	184.4
										04/21/81	5.35	10/23/98	182.7
		10/12/93	6.35					04/08/93	10.01				
		04/14/94	F0			04/11/94	3.96	10/13/93	11.86				
		11/01/94	3.59			11/01/94	4.7	04/11/94	10.9	11/01/94	6.6		
		04/17/95	F0			04/19/95	1.89	11/01/94	12.5	04/19/95	5.2		
		10/05/95	2.1			10/10/95	3.3	04/19/95	9.2	10/10/95	6.2		
		04/17/96	F0			04/29/96	3.2	10/11/95	11.7	04/29/96	5.8		
		10/18/96	F0			10/23/96	4.5	04/29/96	10.5	10/23/96	6.15		
		04/28/97	F0			04/29/97	3.13	10/23/96	11.7	04/29/97	6.1		
		10/22/97	F0			10/22/97	3.16	04/29/97	10.21	10/22/97	6.02		
		04/22/98	F0			04/23/98	1	10/22/97	12.07	04/22/98	4.9		
		10/20/98	F0			10/20/98	2.2	04/23/98	8.8	10/20/98	6.2		
		04/08/99	F0			04/15/99	1.78	10/20/98	10.7	04/15/99	5.5		