Form 9-1366 (Oct. 2005) Page 1 of 3 U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
FOR
Water Resources Investigations

Agreement #: 15WSCA03900 Customer #: 600000816 Project #: ZG009J5 TIN #: 95-6002833 USGS DUNS #: 1761-38857

BC 15-099

Fixed Cost	Agreement	Yes	X	No	

THIS AGREEMENT is entered into as of the 1st day of November, 2014, by the U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the SANTA BARBARA COUNTY WATER AGENCY, party of the second part.

- 1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation for cooperative water resources investigations in the Santa Barbara County area as outlined in the USGS program letter dated September 9, 2014 (Attachment A), herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.
- 2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of \$0.00.
- (a) \$116,750.00 by the party of the first part during the period

November 1, 2014 to October 31, 2015

(b) \$308,500.00 by the party of the second part during the period

November 1, 2014 to October 31, 2015

- (c) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
- (d) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.
- 3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.
- 4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.
- 5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement
- 6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.
- 7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.
- 8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program and, if already published by the party of the first part shall, upon request; be furnished by the party of the first part; at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties.
- 9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered **quarterly**. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983.).

Form 9-1366 (Oct. 2005)
Page 2 of 3

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement
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Water Resources Investigations

Agreement #: 15WSCA03900 Customer #: 600000816 Project #: ZG009J5 TIN #: 95-6002833 USGS DUNS #: 1761-38857

USGS Technical Point of Contact

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Deputy Data Chief

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(619) 225-6103

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U.S. Geological Survey
United States
Department of the Interior

Signature

Name: Eric G. Reichard

Title: Director, USGS California Water Science Center

Customer Technical Point of Contact

Name:

Address:

Thomas D. Fayram

Deputy Public Works Director

130 East Victoria Street, Suite 200

Santa Barbara, CA 93101

Telephone:

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Email:

Customer Billing Point of Contact

Name:

Christina Lopez

Departmental Assistant

Address:

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Santa Barbara, CA 93101

Telephone:

Fax:

Email:

SANTA BARBARA COUNTY WATER AGENCY

Signatures

	see page 5		
Ву		Date:	
Name:			
Title:			

Date:

By____ Name:

Title:

Ву____

Name:

Title:

Customer No. 6000000816 Agreement No. 15WSCA03900 TIN #: 95-6002833

Signature Page Continued - Page 3

SANTA BARBARA COUNTY WATER AGENCY	
By: Chair, Board of Directors	
Date:	
ATTEST: MONA MIYASATO CLERK OF THE BOARD	APPROVED AS TO FORM: MICHAEL C. GHIZZONI COUNTY COUNSEL
BY: Deputy	BY: Jamum G Hanny Deputy
APPROVE AS TO ACCOUNTING FORM: ROBERT W. GEIS, CPA AUDITOR-CONTROLLER BY: Deputy	APPROVE: SCOTT D. MCGOLPIN PUBLIC WORKS DIRECTOR BY:

Attachment A



United States Department of the Interior

U.S. GEOLOGICAL SURVEY

California Water Science Center 6000 J Street, Placer Hall California State University Sacramento, California 95819-6129 Phone: (916) 278-3000 Fax: (916) 278-3070 http://water.wr.usgs.gov

September 9, 2014

Mr. Thomas D. Fayram, Deputy Director Santa Barbara County Water Agency 130 East Victoria Street, Suite 200 Santa Barbara, California 93101

Dear Mr. Fayram:

This letter confirms discussions between Santa Barbara County Water Agency (SBCWA) and U.S. Geological Survey (USGS), concerning the continuation of the water resources program for the period November 1, 2014 to October 31, 2015. This program letter serves as "Attachment A" for Joint Funding Agreement (JFA) 15WSCA03900.

The proposed program for this period and associated costs are as follows:

I. Santa Barbara County Water Agency

A. <u>Surface Water Streamgaging Stations:</u> Operation and Maintenance

		SBCWA	USGS	Total
Station number and name		Funds	Funds	Funds
11119500	Carpinteria Creek near Carpinteria	\$ 13,700	\$ 6,900	\$ 20,600
11119750	Mission Creek near Mission Street			
	at Santa Barbara	13,700	6,900	20,600
11120000	Atascadero Creek near Goleta	13,700	6,900	20,600
11120500	San Jose Creek near Goleta	13,700	6,900	20,600
11123500	Santa Ynez River below Los Laureles Canyon			
	near Santa Barbara	13,700	6,900	20,600

Surface Water Streamgaging Stations (continued):

Operation and Maintenance

		SBCWA	USGS	Total
Sta	ntion number and name	Funds	Funds	Funds
11124500	Santa Cruz Creek near Santa Ynez	13,700	6,900	20,600
11128250	Alamo Pintado Creek near Solvang	13,700	6,900	20,600
11128300	Alisal Reservoir near Solvang	8,000	-0-	8,000
11129800	Zaca Creek near Buellton	13,700	6,900	20,600
11132500	Salsipuedes Creek near Lompoc	13,700	6,900	20,600
11135800	San Antonio Creek at Los Alamos	13,700	6,900	20,600
11136800	Cuyama River below Buckhorn Canyon	13,700	6,900	20,600
11138500	Sisquoc River near Sisquoc	22,800	-0-	22,800
11140585	Santa Maria River at Suey Crossing	13,700	6,900	20,600
11141050	Orcutt Creek near Orcutt	13,700	6,900	20,600
	SW Streamgaging Stations Subtotal	\$208,900	\$89,700	\$298,600

B. Groundwater Monitoring Program:

1. Water-level monitoring

The USGS will conduct monitoring of approximately 270 wells in the spring and approximately 75 wells in the fall as part of the SBCWA wide monitoring program described by lists A-1 and A-2 files.

The program continues to evolve as groundwater level and quality sites are lost each year due to abandonment by legal owner, obstruction, denied access, etc. (List C). Water-level and water-quality sites need to be evaluated on an ongoing basis to ascertain that the program is collecting the best data and is as cost efficient as possible. SBCWA staff will assist the USGS staff on an annual basis to complete this task. This task was identified in the summer of 2002, and has been worked on intensively in recent years.

2. Biannual water-level monitoring in March and October to meet California Statewide Groundwater Elevation Monitoring (CASGEM) requirements.

Water-levels will be monitored at 7 wells described by List A-3.

3. Water-quality monitoring

In 1981, a groundwater quality network was reestablished in selected basins of Santa Barbara County (List B). Water samples from 19 of the wells listed in the network will be collected annually, during the pumping season (in July), and analyzed for the constituents shown in List D. Nineteen wells and three alternates are currently listed as sampling options for July groundwater sampling in List B.

B. Groundwater Monitoring Program (continued):

4. Seawater encroachment monitoring

Four water samples from four different water-bearing zones from each of the two well groups known as Guadalupe Dunes will be obtained once during the year at the end of the pumping season in November (List B). These 8 well samples will be analyzed for the chemical constituents shown in List D. Water-levels will be included.

Water samples noted by a double asterisk in List B will be obtained at the same time as prescribed in the Santa Ynez River Water Conservation District program letter. These samples will be analyzed for the constituents on List D, plus barium and iodide. The results of chemical analyses will be provided to the SBCWA as they become available.

A total of 31 water quality monitoring wells will be sampled and analyzed annually for the constituents noted on List D.

C. Surface Water Quality Monitoring Program:

1. Stream-quality stations - Water samples will be collected on a monthly basis, as flow permits, at the stations listed below. Once per year (as flow permits, and usually during the month of April) samples will be collected for the constituents on List D. Field determinations of pH, alkalinity, dissolved oxygen, specific conductance, temperature, and discharge will also be made. All other monthly samples will be analyzed for pH, total dissolved solids, specific conductance, temperature, and discharge.

11123500	Santa Ynez River below Los Laureles Canyon near Santa Ynez
11124500	Santa Cruz Creek near Santa Ynez
11132500	Salsipuedes Creek near Lompoc
11133000	Santa Ynez River at Narrows near Lompoc
11135800	San Antonio Creek at Los Alamos
11136800	Cuyama River below Buckhorn Canyon near Santa Maria
11138500	Sisquoc River near Sisquoc
11141050	Orcutt Creek near Orcutt

2. Continuous temperature recording, specific conductance, and dissolved oxygen at Santa Ynez River near Santa Ynez (11126000).¹

Following is a summary of the work and associated costs for the Santa Barbara County Water Agency during the period November 1, 2014 to October 31, 2015:

Cachuma Operations Management Board \$12,850

Santa Ynez River Water Conservation District \$2,500 located on City of Lompoc Program

City of Lompoc \$3,400

¹ Cost of the continuous water quality monitoring at station 11126000 Santa Ynez River near Santa Ynez is split between four agencies as follows:

Santa Barbara County \$3,350

	SBCWA <u>Funds</u>	USGS <u>Funds</u>	Total <u>Funds</u>
A. Surface Water Streamgaging Stations			
Operation and Maintenance	\$208,900	\$ 89,700	\$298,600
B. Groundwater Monitoring			
1. Water-levels	38,850	950	39,800
2. CASGEM Water-levels	1,500	-0-	1,500
3. Water-quality	21,850	8,550	30,400
4. Seawater encroachment			
- Guadalupe	9,150	4,250	13,400
- Surf	5,250	2,050	7,300
C. Surface Water Quality Monitoring			
1. Stream-quality stations ²	19,650	9,850	29,500
2. Continuous temperature,			
specific conductance, and dissolved			
oxygen ³	3,350	1,400	4,750
Total	\$308,500	\$116,750	\$425,250

Total cost of the proposed program is \$425,250. Cost to SBCWA will be \$308,500 and subject to the availability of Federal matching funds, the USGS will provide \$116,750.

Enclosed are three originals of JFA 15WSCA03900, signed by our agency, for your approval. If you are in agreement with this proposed program, please return one fully executed JFA to our office. Work performed with funds from this agreement will be conducted on a fixed-price basis. Billing for this agreement will be rendered quarterly.

The USGS is required to have an agreement in place prior to any work being performed on a project. We request that a fully excuted JFA be returned prior to November 1, 2014 If it is not received by November 1, we will be required to suspend operations until an agreement is received.

If you have any questions concerning this program, please contact Al Caldwell, Deputy Data Chief, at (619) 225-6103. If you have any administrative questions, please contact Tammy Seubert, in our Sacramento Office, at (916) 278-3040.

Sincerely,

Eric G. Reichard

Director, USGS California Water Science Center

Enclosures

cc: Al Caldwell, USGS CAWSC

² Stream-quality stations average cost for SBCWA is \$2,456. The USGS average cost for these stations is \$1,231.

³ SBCWA to be reimbursed \$3,400 by the City of Lompoc.

Mr. Thomas D. Fayram, Deputy Director- Santa Barbara County Water Agency List A-1: Groundwater Wells Measured Annually (March) Page 1 of 2

USGS (updated 08/22/2014 by Melchiorsen/Scrudato)

4N/28W–2P3	7N/30W-16B1	7N/34W-29N7
4N/28W-16J5	7N/30W-19H1	7N/34W-30L10
4N/30W-1G1	7N/30W-22E1	7N/34W-31R2
5N/29W-1C1	7N/30W-22E2	7N/34W-32H2
5N/29W-31C1	7N/30W-24Q1	7N/34W-35K9
5N/30W-19E1	7N/30W-25Q2	7N/35W-15M1
5N/30W-28R1	7N/30W-27H1	7N/35W-17M1
5N/30W-28R2	7N/30W-29D1	7N/35W-17K20
5N/30W-30N2	7N/30W-30M1	7N/35W-18H1
6N/29W-5A1	7N/30W-32R1	7N/35W-18J2
6N/29W-6F1	7N/30W-33M1	7N/35W-21G2
6N/29W-6G1	7N/30W-35R1	7N/35W-22J1
6N/29W-7L1	7N/30W-36N2	7N/35W-22M1
6N/29W-8P1	7N/30W-36N3	7N/35W-23B2
6N/29W-8P2	7N/31W-22A3	7N/35W-23E6.
6N/30W-1R3	7N/31W-23P1	7N/35W-23J5
6N/30W-7G5	7N/31W-34M1	7N/35W-23Q2
6N/30W-7G6	7N/31W-35K4	7N/35W-23Q3
6N/30W-11G1	7N/31W-36L2	7N/35W-23Q4
6N/30W-11G2	7N/32W-7B1	7N/35W-24J4
6N/31W-1P2	7N/32W-31M1	7N/35W-24K5
6N/31W-1P3	7N/33W-16G5	7N/35W-24N3
6N/31W-2K1	7N/33W-17M1	7N/35W-25F6
6N/31W-3A1	7N/33W-17N2	7N/35W-25F7
6N/31W-4A1	7N/33W-19D1	7N/35W-26F4
6N/31W-7F1	7N/33W-20G1	7N/35W-26L1
6N/31W-10F1	7N/33W-21G2	7N/35W-26L2
6N/31W-11D4	7N/33W-21N1	7N/35W-26L4
6N/31W-13D1	7N/33W-27G1	7N/35W-27C1
6N/31W-17F1	7N/33W-28D3	7N/35W-27F1
6N/31W-17F3	7N/33W-36J1	7N/35W-27H5
6N/32W-2Q1	7N/34W-12E1	7N/35W-27J1
6N/32W-11L4	7N/34W-14F4	7N/35W-27P1
6N/32W-16P3	7N/34W-14L1	7N/35W-30G1
6N/32W-18H1	7N/34W-15D2	7N/35W-31J2
6N/33W-8R1	7N/34W-15D3 (?)	7N/35W-32N1
6N/33W-8J3	7N/34W-15E1	7N/35W-35A3
6N/33W-9M1	7N/34W-15P2	8N/24W-6J2
6N/34W-6C4	7N/34W-20K4	8N/30W-30R1
6N/34W-12C5	7N/34W-22J6	8N/31W-22J1
6N/36W-1K2	7N/34W-24N1	8N/31W-22J2
6N/36W-26C1	7N/34W-26H3	8N/31W-36H1
6N/36W-26G1	7N/34W-27G6	8N/32W-25D1
7N/29W-29R1	7N/34W-29E4	8N/32W-28P1
7N/29W-29R2	7N/34W-29N6	8N/32W-28P4
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Mr. Thomas D. Fayram, Deputy Director- Santa Barbara County Water Agency List A-1: Groundwater Wells Measured Annually (March) Page 2 of 2

USGS (updated 08/22/2014 by Melchiorsen/Scrudato)

0) //0 0 7 7 / 0 0 7 0	03.1/0.0333.0.074	1031/00331 0050
8N/32W-29L2	9N/32W-33F1	10N/33W-28F2
8N/32W-30D1	9N/32W-33M1	10N/33W-29F1
8N/32W-30E5	9N/32W-33M2	10N/33W-30G1
8N/33W-13C1	9N/33W-2A7	10N/33W-31Q2
8N/33W-13Q1	9N/33W-6G1	10N/33W-34E1
8N/33W-19K1	9N/33W-12C1	10N/33W-35B1
8N/33W-20Q2	9N/33W-12R2	10N/34W-6N3
8N/33W-22K3/22K4	9N/33W-15D3 (Golden State Water)	
8N/33W-24B3	9N/33W-? (Golden State Water)	10N/34W-13G1
8N/33W-25B5	9N/33W-17B1	10N/34W-13H1
8N/34W-2M1	9N/33W-22K1	10N/34W-13J1
8N/34W-14L1	9N/33W-22L1	10N/34W-14E4
8N/34W-15F2	9N/33W-24L1	10N/34W-14E5
8N/34W-15F4	9N/34W-3A2	10N/34W-20H3
8N/34W-16C1	9N/34W-3F2	10N/34W-24K1
8N/34W-16C2	9N/34W-6C1	10N/34W-24K3
8N/34W-16C3	9N/34W-8H1	10N/34W-26H2
8N/34W-16C4	9N/34W-9R1	10N/34W-29N2
8N/34W-16F1	9N/34W-34P1	10N/35W-5P2
8N/34W-16G3	10N/25W-19P2	10N/35W-7E5
8N/34W-17E1	10N/25W-19P3	10N/35W-9E5
8N/34W-17H1	10N/25W-19P4	10N/35W-9F1
8N/34W-17K2	10N/25W-32N3	10N/35W-9N2
8N/34W-17Q1	10N/26W-7L2	10N/35W-11E4
8N/34W-21A1	10N/26W-17R2	10N/35W-14P1
8N/34W-23B1	10N/26W-20M1	10N/35W-18F2
8N/34W-24E1	10N/26W-20P1	10N/35W-21B1
9N/24W-19D1	10N/26W-22N2	10N/35W-23M2
9N/24W-30K1	10N/26W-34N1	10N/35W-24B1
9N/24W-32C1	10N/26W-34N2	10N/35W-24Q1
9N/24W-32C4	10N/26W-34N3	10N/35W-35J2
9N/24W-33M1	10N/26W-34N4	10N/36W-12P1
9N/25W-2B1	10N/32W-19M2	11N/34W-30Q2
9N/25W-3B1	10N/33W-7M1	11N/34W-29R2
9N/25W-3B2	10N/33W-7R1	11N/34W-33J1
9N/25W-3B3	10N/33W-7R6	11N/35W-19E3
9N/25W-3B4	10N/33W-16L1	11N/35W-20E1
9N/25W-28R1	10N/33W-18H1	11N/35W-25F3
9N/26W-1F3	10N/33W-19B1	11N/35W-26M3
9N/26W-2P2		11N/35W-28F1
9N/32W-6D1		11N/35W-29E2
9N/32W-16L1		11N/35W-28M1
9N/32W-17G1		11N/35W-33G2
9N/32W-22D1	10N/33W-27G1	
9N/32W-23K1	10N/33W-28A1	
	5	

Mr. Thomas D. Fayram, Deputy Director- Santa Barbara County Water Agency List A-2: Groundwater Wells Measured Biannually (Mar. and Oct.) Page 1 of 1

USGS (updated 08/22/2014 by Melchiorsen/Scrudato)

6N/29W-5A1 6N/32W-2Q1 6N/34W-6C4	Phillips Ranch - North SYR Alluvial; Buellton E of San Pasqual Rd	7N/35W-27C1 7N/35W-27F1 7N/35W-27H5	Ocean Ave & Renwick E. of So. VAFB entrance E. of So. VAFB entrance
7N/30W-16B1	Sedewick Ranch	7N/35W-27J1	South VAFB nr NASA
7N/31W-22A3	Foxen Cyn nr Los Olivos	8N/32W-28P4	SE of Los Alamos
7N/31W-35K4	N of Ballard School	8N/33W-13Q1	Berringer S of office
7N/33W-16G5	Mid Santa Rita Valley	8N/33W-22K3	Mid San Antonio Basin
7N/33W-17M1	Upper Cebada Canyon	8N/34W-14L1	NE Jct Hwy 1-SA road
7N/33W-19D1	Lower Cebada Canyon	9N/24W-19D1	Zannon Hwy 33
7N/33W-20G1	W of Tularosa Road	9N/34W-6C1	Laguna Sanitation Yard
7N/33W-21G2	Mid Santa Rita Valley	10N/26W-20M1	New Cuyama CSD Well
7N/33W-21N1	W Santa Rita Valley	10N/26W-22N2	Duncan Family Farms
7N/33W-28D3	W Santa Rita Valley	10N/34W-6N3	E of Bonita School Rd
7N/34W-12E1	N of Mission Hills	10N/34W-29N2	Taylor Residence
7N/34W-14F4	Mission Hills CSD	10N/35W-5P2	W. end of Thornberry
7N/34W-14L1	Mission Hills CSD	10N/35W-7E5	North of 18F2 - Gamble
7N/34W-15D1	Vandnbrg Village CSD	10N/35W-9E5	Guadalupe City Well
7N/34W-15D2	Vandnbrg Village CSD	10N/35W-9F1	Guadalupe: Waller Seed
7N/34W-15P2	Uplands E of Hwy 1	10N/35W-9N2	SW Main St - Hwy 166
7N/34W-20K4	USPrison E of Floradale	10N/35W-11E4	Silva Farm N of Hwy 166
7N/34W-24N1	Purisima Mission nr 246	10N/35W-14P1	N of Brown Road
7N/34W-26H3	Eastern Lompoc Valley	10N/35W-18F2	SW from Guadalupe
7N/34W-27G6	E of North A Street	10N/35W-21B1	Mahoney Bros Farm
7N/34W-30L10	SW cor Central & Leege	10N/35W-23M2	S of Brown Road
7N/34W-35K9	Eastern Lompoc Valley	10N/35W-24B1	SW Jct Ray & Brown rd
7N/35W-22M1	W of VAFB entrance N	10N/35W-24Q1	Ex B&W feedlot well
7N/35W-17M1	Surf (near RR xing)	10N/35W-35J2	Field E of Hwy 1
7N/35W-21G2	W of 22M1 in field	10N/36W-12P1	E of Guadalupe Dunes
7N/35W-22J1	W Valley: Jordan Farm	11N/35W-19E3	Mike Mills
7N/35W-23B2	N of SY River on VAFB	11N/35W-20E1	Oso Flaco Lake Road
7N/35W-23E6	W Valley: Jordan Farm	11N/35W-25F3	Division @ Bonita Road
7N/35W-24J4	At N end of Douglas Ave	11N/35W-26M3	O Flaco Rd E of Hwy 1
7N/35W-24K5	DeWolf Ave: Henning	11N/35W-28F1	Hwy 1 S of O Flaco Rd
7N/35W-25F6	NW of DeWolf & Central	11N/35W-28M1	E of Guadalupe dunes
7N/35W-25F7	NW of DeWolf & Central	11N/35W-29E2	Oso Flaco next to RVR
7N/35W-26F4	W Valley: Jordan Farm	11N/35W-33G2	Division St E. of RR Xing

Mr. Thomas D. Fayram, Deputy Director- Santa Barbara County Water Agency List A-3: California Statewide Groundwater Elevation Monitoring (CASGEM) Measured Biannually (Mar. and Oct.) Page 1 of 1 (updated 08/22/2014 by Melchiorsen/ Scrudato)

6N/31W-7F1	Buellton Upland
7N/34W-12E1	N or Mission Hills
7N/35W-22J1	W Valley: Jordan Farm
7N/35W-26F4	W Valley: Jordan Farm
9N/25W-3B1	CVFR #1
10N/25W-19P2	CVKR #1
10N/26W-34N2	CVBR #2

Mr. Thomas D. Fayram, Deputy Director- Santa Barbara County Water Agency List B: Groundwater Quality Sampling Page 1 of 1 Santa Barbara County Water Agency USGS (updated 08/22/2014 by Melchiorsen/Scrudato)

	July Groundwater
SANTA YNEZ	7N/30W-33M1
	7N/31W-35K4
SAN ANTONIO	8N/32W-30E6
	8N/33W 22K4
SANTA RITA	7N/33W-27G1
SANTA MARIA	9N/33W-2A7
*	9N/33W-10E1 (alternate for 10M1)
	9N/33W-10M1
	9N/34W-3A2
	10N/33W-19K1 (alternate for 30G1)
	10N/33W-20H1
	10N/33W-22N3
	10N/33W-30G1
	10N/34W-4R2
2	10N/34W-14E4
	10N/34W-14E5 (alternate for 14E4)
	10N/34W-29N1
	10N/35W-14D3
CUYAMA VALLEY	10N/26W-7L2
	10N/26W-17R2
	10N/26W-20M1
	10N/26W-22D2
	TOTAL – 19 Samples

August Groundwater (Lompoc)

7N/34W-27P5** 7N/35W-21G2** 7N/35W-26F4** 7N/35W-27F1**

TOTAL - 4 Samples

November Groundwater (Guadalupe Dunes)

10N/36W-2Q1*** 10N/36W-2Q3*** 10N/36W-2Q4*** 10N/36W-35J2*** 11N/36W-35J3*** 11N/36W-35J4*** 11N/36W-35J5***

TOTAL - 8 Samples

GRAND TOTAL - 31 groundwater samples

LIST C: DISCONTINUED WELLS FY14

Santa Barbara County Water Agency

USGS (updated 08/22/2014 by Melchiorsen/Scrudato)

	Discontinued Wells fro	om List A-1
,	LOCALITY	REASON
7N/34W-15D1	Vandenberg Village CSD	Poor measurement/will destroy soon
7N/34W-35L7	(well not in system)	Other
8N/31W-25K1	Neverland: Domestic #2	Access
8N/31W-25Q1	Neverland: Domestic #1	Access
8N/34W-9K1	E of S20; N of Barka S	Obstruction
8N/35W-12M1	Field N of San Antonio Rd	Casing filled
9N/25W-11R2	Cuyama; Eifrid; nr SB Cyn	Access
9N/33W-10E1	Dominion Road/Clark Ave	Obstruction
10N/25W-19J2	Robert Jansen Homestead	Other (locality)
10N/25W-21Q2	Kidd Residence	Other (locality)
10N/25W-23H1	Torres Well	Other (locality)
10N/34W-13C1	Suey Rd; Rosemarry Fm	No measurement access
	Discontinued Wells fro	m List A-2
	LOCALITY	REASON
7N/34W-9H5	Vandenberg Village CSD	Destroyed
7N/34W-9H6	Vandenberg Village CSD	Destroyed
7N/35W-17Q6	Surf (old barrier bridge)	Collapsed casing
7N/35W-23E2	W Valley: Jordan Farm	Obstruction
10N/25W-19J2		
	Discontinued Wells from	m List A-3
	None	
	Discontinued Wells fro	om List B
	LOCALITY	REASON
8N/33W-22K3	Mid San Antonio Basin	Not able to sample
10N/25W-21Q2	Kidd Residence	Other (locality)
	- 1111 12 - 2 - 2	

Pump removed. Not able to sample.

Foothill and Santa Bara Cyn Rd.

10N/25W-34N1

List D

Chemical Constituents (mg/L or as indicated)

Dissolved boron (µg/L)

Dissolved solids (sum)

Dissolved calcium

Sodium adsorption ratio

Dissolved chloride

Percent sodium

Dissolved fluoride

Total alkalinity (CaCO₃)

Dissolved iron (µg/L)

Total hardness (CaCO₃)

Dissolved manganese (µg/L)

Temperature °C

Dissolved magnesium

pH

Dissolved nitrogen (nitrate + nitrite)

(microsiemens)

Dissolved orthophosphate (PO₄)

Dissolved orthophosphorus (P)

Dissolved potassium

Dissolved silica

Dissolved sodium

Dissolved sulfate

Specific conductance

Schedules used: 101, 117

Lab Codes used: 27

Additional analysis for monitoring wells noted by a double asterisk (**) in List B includes: Lab Codes as 1202, Iodide and 1786 as Barium

Triple asterisk (***) for lab code 1246 as Bromide.