Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P01-T1**
Station ID	**365519121502901**	***Sample Date***	**2/11/2013 @ 1450**
Station Name	**012S001E03B001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P01-T1**

Station ID **365519121502901** *Sample Date* **2/11/2013 @ 1450**

Station Name **012S001E03B001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15**			Naturally occurring
Specific Conductance, field	µS/cm	**474**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**8.6**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**25**			Naturally occurring
Magnesium	mg/L	**24.2**			Naturally occurring
Potassium	mg/L	**1.37**			Naturally occurring
Sodium	mg/L	**32.7**			Naturally occurring
Bromide	mg/L	**0.193**			Naturally occurring
Chloride	mg/L	**34.3**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.08**	2	MCL-CA	Naturally occurring
Silica	mg/L	**43.2**			Naturally occurring
Sulfate	mg/L	**30.2**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**119**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**306**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**162**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
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µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P01-T1**

Station ID **365519121502901** *Sample Date* **2/11/2013 @ 1450**

Station Name **012S001E03B001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	12.6	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	0.25	10	MCL-US	Naturally occurring
Barium	µg/L	12.2	1000	MCL-CA	Naturally occurring
Boron	µg/L	22	1000	HBSL	Naturally occurring
Chromium	µg/L	9.4	50	MCL-CA	Naturally occurring
Copper	µg/L	2.4	1300	MCL-US	Natural, pipe corrosion
Lead	µg/L	1.75	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	4.42			Naturally occurring
Molybdenum	µg/L	0.235	40	HBSL	Naturally occurring
Selenium	µg/L	0.11	50	MCL-US	Naturally occurring
Strontium	µg/L	217	4000	HBSL	Naturally occurring
Uranium	µg/L	0.047	30	MCL-US	Naturally occurring
Vanadium	µg/L	4.5	50	NL-CA	Naturally occurring
Zinc	µg/L	42.8	5000	HBSL	Naturally occurring

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pCi/L = picocuries per liter
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M = presence verified, but quantity uncertain
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AL-US = USEPA Action Level (r)
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P02-T1**
Station ID	**365613121511301**	***Sample Date***	**5/7/2013 @ 1710**
Station Name	**011S001E34D001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P02-T1**

Station ID **365613121511301** *Sample Date* **5/7/2013 @ 1710**

Station Name **011S001E34D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**314**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.4**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.5**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**27**			Naturally occurring
Magnesium	mg/L	**17.6**			Naturally occurring
Potassium	mg/L	**1.66**			Naturally occurring
Sodium	mg/L	**13.7**			Naturally occurring
Bromide	mg/L	**0.077**			Naturally occurring
Chloride	mg/L	**20.8**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.09**	2	MCL-CA	Naturally occurring
Silica	mg/L	**56.4**			Naturally occurring
Sulfate	mg/L	**3.85**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**131**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**216**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**140**			Naturally occurring
3 Nutrients					

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pCi/L = picocuries per liter
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M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P02-T1**

Station ID **365613121511301** *Sample Date* **5/7/2013 @ 1710**

Station Name **011S001E34D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.481**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	**0.15**	10	MCL-US	Naturally occurring
Barium	µg/L	**1.19**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**16**	1000	HBSL	Naturally occurring
Chromium	µg/L	**30.4**	50	MCL-CA	Naturally occurring
Lithium	µg/L	**11.9**			Naturally occurring
Manganese	µg/L	**2.31**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.139**	40	HBSL	Naturally occurring
Selenium	µg/L	**0.38**	50	MCL-US	Naturally occurring
Strontium	µg/L	**128**	4000	HBSL	Naturally occurring
Thallium	µg/L	**0.01**	2	MCL-US	Naturally occurring
Uranium	µg/L	**0.175**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**7.8**	50	NL-CA	Naturally occurring
Zinc	µg/L	**9.9**	5000	HBSL	Naturally occurring

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HAL-US = USEPA Lifetime Health Advisory (nr)
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NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P03-T1**
Station ID	**365816121500101**	***Sample Date***	**5/7/2013 @ 1530**
Station Name	**011S001E14N001M**		

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None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

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pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P03-T1**

Station ID **365816121500101** *Sample Date* **5/7/2013 @ 1530**

Station Name **011S001E14N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18**			Naturally occurring
Specific Conductance, field	µS/cm	**167**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**8.3**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**10.2**			Naturally occurring
Magnesium	mg/L	**11**			Naturally occurring
Potassium	mg/L	**0.87**			Naturally occurring
Sodium	mg/L	**8.68**			Naturally occurring
Bromide	mg/L	**E 0.032**			Naturally occurring
Chloride	mg/L	**7.2**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.12**	2	MCL-CA	Naturally occurring
Silica	mg/L	**54.5**			Naturally occurring
Sulfate	mg/L	**1.14**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**77.2**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**129**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**70.7**			Naturally occurring
3 Nutrients					

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Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P03-T1**

Station ID **365816121500101** *Sample Date* **5/7/2013 @ 1530**

Station Name **011S001E14N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.332**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	**0.16**	10	MCL-US	Naturally occurring
Barium	µg/L	**1.16**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**10**	1000	HBSL	Naturally occurring
Chromium	µg/L	**36**	50	MCL-CA	Naturally occurring
Copper	µg/L	**10.3**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**6.8**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**2.94**			Naturally occurring
Molybdenum	µg/L	**0.148**	40	HBSL	Naturally occurring
Selenium	µg/L	**0.16**	50	MCL-US	Naturally occurring
Strontium	µg/L	**54.6**	4000	HBSL	Naturally occurring
Thallium	µg/L	**0.016**	2	MCL-US	Naturally occurring
Uranium	µg/L	**0.009**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**17.5**	50	NL-CA	Naturally occurring
Zinc	µg/L	**47**	5000	HBSL	Naturally occurring

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NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P04-T1**
Station ID	**370017121482301**	***Sample Date***	**5/7/2013 @ 850**
Station Name	**011S001E01G001M**		

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µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P04-T1**

Station ID **370017121482301** *Sample Date* **5/7/2013 @ 850**

Station Name **011S001E01G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16**			Naturally occurring
Specific Conductance, field	µS/cm	**405**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**4.8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**34.8**			Naturally occurring
Magnesium	mg/L	**27.4**			Naturally occurring
Potassium	mg/L	**2.43**			Naturally occurring
Sodium	mg/L	**13.7**			Naturally occurring
Bromide	mg/L	**0.035**			Naturally occurring
Chloride	mg/L	**11.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.14**	2	MCL-CA	Naturally occurring
Silica	mg/L	**25.2**			Naturally occurring
Sulfate	mg/L	**13.8**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**200**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**235**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**200**			Naturally occurring
3 Nutrients		**None Detected**			

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SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-P04-T1**

Station ID **370017121482301** ***Sample Date*** **5/7/2013 @ 850**

Station Name **011S001E01G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Arsenic	µg/L	**6.4**	10	MCL-US	Naturally occurring
Barium	µg/L	**3.63**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**16**	1000	HBSL	Naturally occurring
Iron	µg/L	**180**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**13.3**			Naturally occurring
Manganese	µg/L	**12.5**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.631**	40	HBSL	Naturally occurring
Strontium	µg/L	**197**	4000	HBSL	Naturally occurring
Thallium	µg/L	**0.015**	2	MCL-US	Naturally occurring
Uranium	µg/L	**0.007**	30	MCL-US	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
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AL-US = USEPA Action Level (r)
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P05-T1**
Station ID	**365704121462201**	***Sample Date***	**5/10/2013 @ 1020**
Station Name	**011S002E29G001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen; Trace Elements: Iron, Zinc

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P05-T1**

Station ID **365704121462201** *Sample Date* **5/10/2013 @ 1020**

Station Name **011S002E29G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**508**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.7**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**37.7**			Naturally occurring
Magnesium	mg/L	**16.2**			Naturally occurring
Potassium	mg/L	**2.31**			Naturally occurring
Sodium	mg/L	**40.8**			Naturally occurring
Bromide	mg/L	**0.475**			Naturally occurring
Chloride	mg/L	**42.5**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.06**	2	MCL-CA	Naturally occurring
Silica	mg/L	**38.7**			Naturally occurring
Sulfate	mg/L	**47.7**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**85.7**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**359**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**162**			Naturally occurring
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**19.5**	10	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P05-T1**

Station ID **365704121462201** *Sample Date* **5/10/2013 @ 1020**

Station Name **011S002E29G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Antimony	µg/L	**0.071**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.12**	10	MCL-US	Naturally occurring
Barium	µg/L	**103**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**17**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.524**	5	MCL-US	Naturally occurring
Copper	µg/L	**3.1**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**314**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**7.52**			Naturally occurring
Manganese	µg/L	**270**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.275**	40	HBSL	Naturally occurring
Nickel	µg/L	**4.6**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.56**	50	MCL-US	Naturally occurring
Strontium	µg/L	**455**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.008**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**0.4**	50	NL-CA	Naturally occurring
Zinc	µg/L	**5040**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P06-T1**
Station ID	**365552121461001**	***Sample Date***	**5/7/2013 @ 1010**
Station Name	**011S002E32K001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P06-T1**

Station ID **365552121461001** *Sample Date* **5/7/2013 @ 1010**

Station Name **011S002E32K001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15**			Naturally occurring
Specific Conductance, field	µS/cm	**636**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.9**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**3.9**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**63.5**			Naturally occurring
Magnesium	mg/L	**29.9**			Naturally occurring
Potassium	mg/L	**1.33**			Naturally occurring
Sodium	mg/L	**28.7**			Naturally occurring
Bromide	mg/L	**1.58**			Naturally occurring
Chloride	mg/L	**26.8**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.21**	2	MCL-CA	Naturally occurring
Silica	mg/L	**28.3**			Naturally occurring
Sulfate	mg/L	**97.3**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**177**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**420**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**282**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P06-T1**

Station ID **365552121461001** *Sample Date* **5/7/2013 @ 1010**

Station Name **011S002E32K001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**7.71**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.058**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.36**	10	MCL-US	Naturally occurring
Barium	µg/L	**54.8**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**65**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.016**	5	MCL-US	Naturally occurring
Chromium	µg/L	**0.66**	50	MCL-CA	Naturally occurring
Copper	µg/L	**13.9**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**11.4**			Naturally occurring
Manganese	µg/L	**0.7**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**1.52**	40	HBSL	Naturally occurring
Nickel	µg/L	**4.3**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.2**	50	MCL-US	Naturally occurring
Strontium	µg/L	**348**	4000	HBSL	Naturally occurring
Thallium	µg/L	**0.018**	2	MCL-US	Naturally occurring
Uranium	µg/L	**0.43**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**1.4**	50	NL-CA	Naturally occurring
Zinc	µg/L	**15.7**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P07-T1**
Station ID	**365253121473901**	***Sample Date***	**5/6/2013 @ 1600**
Station Name	**012S002E18N005M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: pH, field; Trace Elements: Manganese

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P07-T1**

Station ID **365253121473901** *Sample Date* **5/6/2013 @ 1600**

Station Name **012S002E18N005M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18**			Naturally occurring
Specific Conductance, field	µS/cm	**646**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.1**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**57.9**			Naturally occurring
Magnesium	mg/L	**29**			Naturally occurring
Potassium	mg/L	**2.47**			Naturally occurring
Sodium	mg/L	**28.1**			Naturally occurring
Bromide	mg/L	**0.063**			Naturally occurring
Chloride	mg/L	**19.5**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.2**	2	MCL-CA	Naturally occurring
Silica	mg/L	**39.1**			Naturally occurring
Sulfate	mg/L	**258**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**20.6**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**477**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**264**			Naturally occurring
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**5.44**	10	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P07-T1**

Station ID **365253121473901** *Sample Date* **5/6/2013 @ 1600**

Station Name **012S002E18N005M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Aluminum	µg/L	**13.3**	1000	MCL-CA	Naturally occurring
Antimony	µg/L	**0.032**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.19**	10	MCL-US	Naturally occurring
Barium	µg/L	**66.9**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**91**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.103**	5	MCL-US	Naturally occurring
Copper	µg/L	**11.5**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**4.89**			Naturally occurring
Manganese	µg/L	**1210**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.896**	40	HBSL	Naturally occurring
Nickel	µg/L	**3.1**	100	MCL-CA	Naturally occurring
Strontium	µg/L	**307**	4000	HBSL	Naturally occurring
Thallium	µg/L	**0.017**	2	MCL-US	Naturally occurring
Uranium	µg/L	**0.058**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**0.21**	50	NL-CA	Naturally occurring
Zinc	µg/L	**81.5**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P08-T1**
Station ID	**364811121450501**	***Sample Date***	**5/8/2013 @ 1110**
Station Name	**013S002E16G001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Trace Elements: Arsenic

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P08-T1**

Station ID **364811121450501** *Sample Date* **5/8/2013 @ 1110**

Station Name **013S002E16G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16**			Naturally occurring
Specific Conductance, field	µS/cm	**810**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.8**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**53.7**			Naturally occurring
Magnesium	mg/L	**17**			Naturally occurring
Potassium	mg/L	**3.25**			Naturally occurring
Sodium	mg/L	**79.9**			Naturally occurring
Bromide	mg/L	**0.585**			Naturally occurring
Chloride	mg/L	**177**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.1**	2	MCL-CA	Naturally occurring
Silica	mg/L	**27.8**			Naturally occurring
Sulfate	mg/L	**26.9**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**94.3**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**503**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**205**			Naturally occurring
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**0.131**	10	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-P08-T1**

Station ID **364811121450501** ***Sample Date*** **5/8/2013 @ 1110**

Station Name **013S002E16G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Arsenic	µg/L	**12.6**	10	MCL-US	Naturally occurring
Barium	µg/L	**59.4**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.006**	4	MCL-US	Naturally occurring
Boron	µg/L	**59**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.017**	5	MCL-US	Naturally occurring
Iron	µg/L	**26.5**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**28.5**			Naturally occurring
Manganese	µg/L	**88.2**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**2.06**	40	HBSL	Naturally occurring
Selenium	µg/L	**0.05**	50	MCL-US	Naturally occurring
Strontium	µg/L	**510**	4000	HBSL	Naturally occurring
Tungsten	µg/L	**0.116**			Naturally occurring
Uranium	µg/L	**0.022**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**0.24**	50	NL-CA	Naturally occurring
Zinc	µg/L	**242**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P09-T1**
Station ID	**365017121435701**	***Sample Date***	**5/8/2013 @ 1350**
Station Name	**013S002E03B001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P09-T1**

Station ID **365017121435701** *Sample Date* **5/8/2013 @ 1350**

Station Name **013S002E03B001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**20**			Naturally occurring
Specific Conductance, field	µS/cm	**746**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.8**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**36.4**			Naturally occurring
Magnesium	mg/L	**29.5**			Naturally occurring
Potassium	mg/L	**1.88**			Naturally occurring
Sodium	mg/L	**60.9**			Naturally occurring
Bromide	mg/L	**1.72**			Naturally occurring
Chloride	mg/L	**113**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.15**	2	MCL-CA	Naturally occurring
Silica	mg/L	**52.2**			Naturally occurring
Sulfate	mg/L	**41.3**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**76.8**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**473**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**213**			Naturally occurring
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**20.6**	10	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P09-T1**

Station ID **365017121435701** *Sample Date* **5/8/2013 @ 1350**

Station Name **013S002E03B001M**

4 Trace Elements

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Arsenic	µg/L	**0.3**	10	MCL-US	Naturally occurring
Barium	µg/L	**71.2**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**28**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.016**	5	MCL-US	Naturally occurring
Chromium	µg/L	**8.7**	50	MCL-CA	Naturally occurring
Copper	µg/L	**7.1**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**2.27**			Naturally occurring
Manganese	µg/L	**1.61**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.311**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.8**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.1**	50	MCL-US	Naturally occurring
Strontium	µg/L	**353**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.028**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**6.3**	50	NL-CA	Naturally occurring
Zinc	µg/L	**36.1**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P10-T1**
Station ID	**365425121452201**	***Sample Date***	**5/7/2013 @ 1130**
Station Name	**012S002E09C002M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P10-T1**

Station ID **365425121452201** *Sample Date* **5/7/2013 @ 1130**

Station Name **012S002E09C002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18.5**			Naturally occurring
Specific Conductance, field	µS/cm	**768**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**1.3**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**80.4**			Naturally occurring
Magnesium	mg/L	**35.1**			Naturally occurring
Potassium	mg/L	**2.6**			Naturally occurring
Sodium	mg/L	**42.6**			Naturally occurring
Bromide	mg/L	**0.168**			Naturally occurring
Chloride	mg/L	**34.6**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.15**	2	MCL-CA	Naturally occurring
Silica	mg/L	**35.7**			Naturally occurring
Sulfate	mg/L	**60.2**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**314**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**477**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**346**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P10-T1**

Station ID **365425121452201** *Sample Date* **5/7/2013 @ 1130**

Station Name **012S002E09C002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**2.58**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.038**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.65**	10	MCL-US	Naturally occurring
Barium	µg/L	**69.4**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.008**	4	MCL-US	Naturally occurring
Boron	µg/L	**140**	1000	HBSL	Naturally occurring
Chromium	µg/L	**6.1**	50	MCL-CA	Naturally occurring
Copper	µg/L	**3.5**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**16.8**			Naturally occurring
Manganese	µg/L	**2.34**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**2.25**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.92**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**2.2**	50	MCL-US	Naturally occurring
Strontium	µg/L	**494**	4000	HBSL	Naturally occurring
Thallium	µg/L	**0.014**	2	MCL-US	Naturally occurring
Uranium	µg/L	**1.87**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**4.4**	50	NL-CA	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-P11-T1**

Station ID **365632121443101** ***Sample Date*** **5/9/2013 @ 1540**

Station Name **011S002E27N001M**

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Trace Elements: Iron, Manganese

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P11-T1**

Station ID **365632121443101** *Sample Date* **5/9/2013 @ 1540**

Station Name **011S002E27N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**22.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1290**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.9**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**113**			Naturally occurring
Magnesium	mg/L	**66.5**			Naturally occurring
Potassium	mg/L	**2.68**			Naturally occurring
Sodium	mg/L	**57.9**			Naturally occurring
Bromide	mg/L	**0.346**			Naturally occurring
Chloride	mg/L	**173**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.27**	2	MCL-CA	Naturally occurring
Silica	mg/L	**36.7**			Naturally occurring
Sulfate	mg/L	**42.9**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**406**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**735**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**557**			Naturally occurring
3 Nutrients		**None Detected**			

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pCi/L = picocuries per liter
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P11-T1**

Station ID **365632121443101** *Sample Date* **5/9/2013 @ 1540**

Station Name **011S002E27N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Antimony	µg/L	**0.218**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**3.8**	10	MCL-US	Naturally occurring
Barium	µg/L	**386**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.007**	4	MCL-US	Naturally occurring
Boron	µg/L	**136**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.025**	5	MCL-US	Naturally occurring
Iron	µg/L	**791**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**9.79**			Naturally occurring
Manganese	µg/L	**4210**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**8.56**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.7**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.23**	50	MCL-US	Naturally occurring
Strontium	µg/L	**801**	4000	HBSL	Naturally occurring
Uranium	µg/L	**3.41**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**5.3**	50	NL-CA	Naturally occurring
Zinc	µg/L	**61**	5000	HBSL	Naturally occurring

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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P12-T1**
Station ID	**365522121402401**	***Sample Date***	**5/9/2013 @ 1320**
Station Name	**012S003E06A002M**		

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Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

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µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P12-T1**

Station ID **365522121402401** *Sample Date* **5/9/2013 @ 1320**

Station Name **012S003E06A002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1260**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**186**			Naturally occurring
Magnesium	mg/L	**41.3**			Naturally occurring
Potassium	mg/L	**1.91**			Naturally occurring
Sodium	mg/L	**47**			Naturally occurring
Bromide	mg/L	**2.25**			Naturally occurring
Chloride	mg/L	**59.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.31**	2	MCL-CA	Naturally occurring
Silica	mg/L	**27**			Naturally occurring
Sulfate	mg/L	**191**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**379**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**877**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**636**			Naturally occurring
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**17.1**	10	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P12-T1**

Station ID **365522121402401** *Sample Date* **5/9/2013 @ 1320**

Station Name **012S003E06A002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Antimony	µg/L	**0.076**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.59**	10	MCL-US	Naturally occurring
Barium	µg/L	**79.8**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.008**	4	MCL-US	Naturally occurring
Boron	µg/L	**216**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.033**	5	MCL-US	Naturally occurring
Chromium	µg/L	**2.5**	50	MCL-CA	Naturally occurring
Copper	µg/L	**3.8**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**22.3**			Naturally occurring
Manganese	µg/L	**1.19**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**8.14**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.7**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**6.1**	50	MCL-US	Naturally occurring
Strontium	µg/L	**968**	4000	HBSL	Naturally occurring
Uranium	µg/L	**13.3**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**4.7**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P13-T1**
Station ID	**365245121411201**	***Sample Date***	**5/9/2013 @ 1100**
Station Name	**012S003E19E001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P13-T1**

Station ID **365245121411201** *Sample Date* **5/9/2013 @ 1100**

Station Name **012S003E19E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16.5**			Naturally occurring
Specific Conductance, field	µS/cm	**355**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.6**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**15.7**			Naturally occurring
Magnesium	mg/L	**12.8**			Naturally occurring
Potassium	mg/L	**0.94**			Naturally occurring
Sodium	mg/L	**37.4**			Naturally occurring
Bromide	mg/L	**0.259**			Naturally occurring
Chloride	mg/L	**45.2**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.2**	2	MCL-CA	Naturally occurring
Silica	mg/L	**52.4**			Naturally occurring
Sulfate	mg/L	**12.4**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**79**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**232**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**92**			Naturally occurring
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**4.34**	10	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P13-T1**

Station ID **365245121411201** *Sample Date* **5/9/2013 @ 1100**

Station Name **012S003E19E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Arsenic	µg/L	**0.33**	10	MCL-US	Naturally occurring
Barium	µg/L	**29.4**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**25**	1000	HBSL	Naturally occurring
Chromium	µg/L	**11**	50	MCL-CA	Naturally occurring
Copper	µg/L	**2.4**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**4.07**			Naturally occurring
Manganese	µg/L	**1.18**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.254**	40	HBSL	Naturally occurring
Nickel	µg/L	**2.2**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.81**	50	MCL-US	Naturally occurring
Strontium	µg/L	**125**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.009**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**6**	50	NL-CA	Naturally occurring
Zinc	µg/L	**41.6**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-P14-T1**
Station ID	**365134121420101**	***Sample Date***	**5/9/2013 @ 950**
Station Name	**012S002E25K002M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P14-T1**

Station ID **365134121420101** *Sample Date* **5/9/2013 @ 950**

Station Name **012S002E25K002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**755**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.9**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**52.2**			Naturally occurring
Magnesium	mg/L	**22.4**			Naturally occurring
Potassium	mg/L	**1.75**			Naturally occurring
Sodium	mg/L	**62.5**			Naturally occurring
Bromide	mg/L	**0.518**			Naturally occurring
Chloride	mg/L	**117**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.15**	2	MCL-CA	Naturally occurring
Silica	mg/L	**38.8**			Naturally occurring
Sulfate	mg/L	**33.8**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**127**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**444**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**223**			Naturally occurring
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**11.2**	10	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P14-T1**

Station ID **365134121420101** *Sample Date* **5/9/2013 @ 950**

Station Name **012S002E25K002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Arsenic	µg/L	**0.23**	10	MCL-US	Naturally occurring
Barium	µg/L	**107**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**29**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.078**	5	MCL-US	Naturally occurring
Copper	µg/L	**3.8**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**14.3**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**3.16**			Naturally occurring
Manganese	µg/L	**12.2**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.347**	40	HBSL	Naturally occurring
Nickel	µg/L	**2.4**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.32**	50	MCL-US	Naturally occurring
Strontium	µg/L	**421**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.033**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.5**	50	NL-CA	Naturally occurring
Zinc	µg/L	**391**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-P15-T1**

Station ID **365047121412201** ***Sample Date*** **5/8/2013 @ 1520**

Station Name **012S003E31E002M**

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P15-T1**

Station ID **365047121412201** *Sample Date* **5/8/2013 @ 1520**

Station Name **012S003E31E002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**19**			Naturally occurring
Specific Conductance, field	µS/cm	**551**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.5**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**30.7**			Naturally occurring
Magnesium	mg/L	**20.6**			Naturally occurring
Potassium	mg/L	**1.33**			Naturally occurring
Sodium	mg/L	**49.3**			Naturally occurring
Bromide	mg/L	**0.796**			Naturally occurring
Chloride	mg/L	**71.6**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.14**	2	MCL-CA	Naturally occurring
Silica	mg/L	**51.7**			Naturally occurring
Sulfate	mg/L	**34.3**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**103**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**356**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**162**			Naturally occurring
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**7.03**	10	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-P15-T1**

Station ID **365047121412201** *Sample Date* **5/8/2013 @ 1520**

Station Name **012S003E31E002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Arsenic	µg/L	**0.28**	10	MCL-US	Naturally occurring
Barium	µg/L	**58**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**22**	1000	HBSL	Naturally occurring
Chromium	µg/L	**10.1**	50	MCL-CA	Naturally occurring
Copper	µg/L	**15.7**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**3.67**			Naturally occurring
Manganese	µg/L	**2.08**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.218**	40	HBSL	Naturally occurring
Nickel	µg/L	**3.1**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.68**	50	MCL-US	Naturally occurring
Strontium	µg/L	**308**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.044**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**7**	50	NL-CA	Naturally occurring
Zinc	µg/L	**9.2**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
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E = estimated value
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MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV01-T1**
Station ID	**352725120292101**	***Sample Date***	**3/26/2013 @ 1330**
Station Name	**028S014E29P001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: pH, field

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV01-T1**

Station ID **352725120292101** *Sample Date* **3/26/2013 @ 1330**

Station Name **028S014E29P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**14**			Naturally occurring
Specific Conductance, field	µS/cm	**328**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**5.8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.7**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**29.6**			Naturally occurring
Magnesium	mg/L	**7.07**			Naturally occurring
Potassium	mg/L	**1.03**			Naturally occurring
Sodium	mg/L	**26.2**			Naturally occurring
Bromide	mg/L	**0.102**			Naturally occurring
Chloride	mg/L	**30.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.27**	2	MCL-CA	Naturally occurring
Silica	mg/L	**28.9**			Naturally occurring
Sulfate	mg/L	**11.3**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**109**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**197**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**103**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV01-T1**

Station ID **352725120292101** *Sample Date* **3/26/2013 @ 1330**

Station Name **028S014E29P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.968**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.098**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.56**	10	MCL-US	Naturally occurring
Barium	µg/L	**43.3**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**38**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.053**	5	MCL-US	Naturally occurring
Copper	µg/L	**2.6**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**10.1**			Naturally occurring
Manganese	µg/L	**4.16**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**1.24**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.82**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.19**	50	MCL-US	Naturally occurring
Strontium	µg/L	**199**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.442**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**6.9**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV01-T2**
Station ID	**353351120415801**	***Sample Date***	**3/28/2013 @ 930**
Station Name	**027S012E20K001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Sulfate, Total dissolved solids (TDS); Trace Elements: Molybdenum

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV01-T2**

Station ID **353351120415801** *Sample Date* **3/28/2013 @ 930**

Station Name **027S012E20K001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**1910**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**7.2**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**258**			Naturally occurring
Magnesium	mg/L	**67.6**			Naturally occurring
Potassium	mg/L	**1.57**			Naturally occurring
Sodium	mg/L	**94.4**			Naturally occurring
Bromide	mg/L	**0.715**			Naturally occurring
Chloride	mg/L	**200**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.15**	2	MCL-CA	Naturally occurring
Silica	mg/L	**36.5**			Naturally occurring
Sulfate	mg/L	**541**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**280**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1430**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**923**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV01-T2**

Station ID **353351120415801** *Sample Date* **3/28/2013 @ 930**

Station Name **027S012E20K001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**7.01**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.282**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**4.1**	10	MCL-US	Naturally occurring
Barium	µg/L	**36.2**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**141**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**2.14**	5	MCL-US	Naturally occurring
Chromium	µg/L	**0.64**	50	MCL-CA	Naturally occurring
Copper	µg/L	**5.6**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**6.7**	300	SMCL-CA	Naturally occurring
Lead	µg/L	**4.12**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**15.3**			Naturally occurring
Molybdenum	µg/L	**56.6**	40	HBSL	Naturally occurring
Nickel	µg/L	**3.1**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**25.9**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1400**	4000	HBSL	Naturally occurring
Tungsten	µg/L	**0.147**			Naturally occurring
Uranium	µg/L	**24.7**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**12.6**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV01-T2**

Station ID **353351120415801** ***Sample Date*** **3/28/2013 @ 930**

Station Name **027S012E20K001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Zinc	µg/L	**59.2**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV02-T1**
Station ID	**353510120413301**	***Sample Date***	**3/28/2013 @ 1100**
Station Name	**027S012E16D001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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Matthew Keeling,
Central Coast Regional Water Board
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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV02-T1**

Station ID **353510120413301** ***Sample Date*** **3/28/2013 @ 1100**

Station Name **027S012E16D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**14.5**			Naturally occurring
Specific Conductance, field	µS/cm	**724**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.4**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**9.3**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**79.8**			Naturally occurring
Magnesium	mg/L	**29.7**			Naturally occurring
Potassium	mg/L	**0.96**			Naturally occurring
Sodium	mg/L	**34.6**			Naturally occurring
Bromide	mg/L	**0.103**			Naturally occurring
Chloride	mg/L	**42.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.28**	2	MCL-CA	Naturally occurring
Silica	mg/L	**31.4**			Naturally occurring
Sulfate	mg/L	**141**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**190**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**498**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**322**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV02-T1**

Station ID **353510120413301** *Sample Date* **3/28/2013 @ 1100**

Station Name **027S012E16D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**1.03**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.155**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.5**	10	MCL-US	Naturally occurring
Barium	µg/L	**52.6**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**67**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.182**	5	MCL-US	Naturally occurring
Iron	µg/L	**10.1**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**9.11**			Naturally occurring
Manganese	µg/L	**0.84**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**6.58**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.82**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**7.1**	50	MCL-US	Naturally occurring
Strontium	µg/L	**508**	4000	HBSL	Naturally occurring
Uranium	µg/L	**2.85**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**7.6**	50	NL-CA	Naturally occurring
Zinc	µg/L	**59.5**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
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MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV02-T2**
Station ID	**354000120410001**	***Sample Date***	**5/22/2013 @ 1630**
Station Name	**026S012E08H001M**		

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None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV02-T2**

Station ID **354000120410001** *Sample Date* **5/22/2013 @ 1630**

Station Name **026S012E08H001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**21**			Naturally occurring
Specific Conductance, field	µS/cm	**987**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**7.5**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**100**			Naturally occurring
Magnesium	mg/L	**36**			Naturally occurring
Potassium	mg/L	**1.84**			Naturally occurring
Sodium	mg/L	**49.4**			Naturally occurring
Bromide	mg/L	**0.425**			Naturally occurring
Chloride	mg/L	**142**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.22**	2	MCL-CA	Naturally occurring
Silica	mg/L	**40.1**			Naturally occurring
Sulfate	mg/L	**37.2**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**249**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**569**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**399**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV02-T2**

Station ID **354000120410001** *Sample Date* **5/22/2013 @ 1630**

Station Name **026S012E08H001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**8.12**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.057**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**2.8**	10	MCL-US	Naturally occurring
Barium	µg/L	**481**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.009**	4	MCL-US	Naturally occurring
Boron	µg/L	**181**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.034**	5	MCL-US	Naturally occurring
Chromium	µg/L	**2**	50	MCL-CA	Naturally occurring
Copper	µg/L	**3.4**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**10.2**	300	SMCL-CA	Naturally occurring
Lead	µg/L	**2.01**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**34.9**			Naturally occurring
Molybdenum	µg/L	**4**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.62**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**3**	50	MCL-US	Naturally occurring
Strontium	µg/L	**688**	4000	HBSL	Naturally occurring
Uranium	µg/L	**4.78**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**37.7**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV02-T2**

Station ID **354000120410001** ***Sample Date*** **5/22/2013 @ 1630**

Station Name **026S012E08H001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Zinc	µg/L	**6.7**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV03-T1**
Station ID	**354659120481001**	***Sample Date***	**3/13/2013 @ 1230**
Station Name	**025S011E05Q001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV03-T1**

Station ID **354659120481001** *Sample Date* **3/13/2013 @ 1230**

Station Name **025S011E05Q001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**20.5**			Naturally occurring
Specific Conductance, field	µS/cm	**360**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**7.4**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**34.1**			Naturally occurring
Magnesium	mg/L	**16**			Naturally occurring
Potassium	mg/L	**1.28**			Naturally occurring
Sodium	mg/L	**16.7**			Naturally occurring
Bromide	mg/L	**0.069**			Naturally occurring
Chloride	mg/L	**15.3**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.12**	2	MCL-CA	Naturally occurring
Silica	mg/L	**43**			Naturally occurring
Sulfate	mg/L	**14.4**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**138**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**238**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**152**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV03-T1**

Station ID **354659120481001** *Sample Date* **3/13/2013 @ 1230**

Station Name **025S011E05Q001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**3.9**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.144**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**2.1**	10	MCL-US	Naturally occurring
Barium	µg/L	**188**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**47**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.023**	5	MCL-US	Naturally occurring
Chromium	µg/L	**10.9**	50	MCL-CA	Naturally occurring
Copper	µg/L	**7.1**	1300	MCL-US	Natural, pipe corrosion
Lead	µg/L	**2.35**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**6.19**			Naturally occurring
Molybdenum	µg/L	**2.52**	40	HBSL	Naturally occurring
Selenium	µg/L	**1**	50	MCL-US	Naturally occurring
Strontium	µg/L	**261**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.93**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**10**	50	NL-CA	Naturally occurring
Zinc	µg/L	**24.1**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV03-T2**
Station ID	**355316120541701**	***Sample Date***	**3/26/2013 @ 1530**
Station Name	**023S010E33E001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Sulfate, Total dissolved solids (TDS); Trace Elements: Iron, Molybdenum

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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Matthew Keeling,
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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV03-T2**

Station ID **355316120541701** *Sample Date* **3/26/2013 @ 1530**

Station Name **023S010E33E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**19**			Naturally occurring
Specific Conductance, field	µS/cm	**2010**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**1.6**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**296**			Naturally occurring
Magnesium	mg/L	**105**			Naturally occurring
Potassium	mg/L	**4.94**			Naturally occurring
Sodium	mg/L	**41.5**			Naturally occurring
Bromide	mg/L	**0.611**			Naturally occurring
Chloride	mg/L	**166**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**E 0.09**	2	MCL-CA	Naturally occurring
Silica	mg/L	**36.2**			Naturally occurring
Sulfate	mg/L	**790**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**205**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1630**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**1170**			Naturally occurring
3 Nutrients		**None Detected**			

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV03-T2**

Station ID **355316120541701** *Sample Date* **3/26/2013 @ 1530**

Station Name **023S010E33E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Arsenic	µg/L	**5.4**	10	MCL-US	Naturally occurring
Barium	µg/L	**17.8**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**64**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.141**	5	MCL-US	Naturally occurring
Iron	µg/L	**380**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**43.2**			Naturally occurring
Manganese	µg/L	**185**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**62.3**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.86**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.11**	50	MCL-US	Naturally occurring
Strontium	µg/L	**859**	4000	HBSL	Naturally occurring
Tungsten	µg/L	**0.119**			Naturally occurring
Uranium	µg/L	**2.47**	30	MCL-US	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV04-T1**
Station ID	**363535121413301**	***Sample Date***	**4/17/2013 @ 1420**
Station Name	**015S002E25R001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV04-T1**

Station ID **363535121413301** *Sample Date* **4/17/2013 @ 1420**

Station Name **015S002E25R001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**14**			Naturally occurring
Specific Conductance, field	µS/cm	**844**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**10.7**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**100**			Naturally occurring
Magnesium	mg/L	**23.9**			Naturally occurring
Potassium	mg/L	**3.14**			Naturally occurring
Sodium	mg/L	**49.3**			Naturally occurring
Bromide	mg/L	**0.213**			Naturally occurring
Chloride	mg/L	**69.9**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.36**	2	MCL-CA	Naturally occurring
Silica	mg/L	**38.1**			Naturally occurring
Sulfate	mg/L	**107**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**252**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**566**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**349**			Naturally occurring
3 Nutrients					

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV04-T1**

Station ID **363535121413301** *Sample Date* **4/17/2013 @ 1420**

Station Name **015S002E25R001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**2.06**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.046**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.8**	10	MCL-US	Naturally occurring
Barium	µg/L	**49.4**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.006**	4	MCL-US	Naturally occurring
Boron	µg/L	**56**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.082**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.6**	50	MCL-CA	Naturally occurring
Copper	µg/L	**6**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**19.2**			Naturally occurring
Molybdenum	µg/L	**6**	40	HBSL	Naturally occurring
Selenium	µg/L	**1.8**	50	MCL-US	Naturally occurring
Strontium	µg/L	**604**	4000	HBSL	Naturally occurring
Uranium	µg/L	**8.37**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**5.9**	50	NL-CA	Naturally occurring
Zinc	µg/L	**88.9**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV04-T2**
Station ID	**363420121470401**	***Sample Date***	**4/18/2013 @ 1030**
Station Name	**016S002E06H001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Trace Elements: Molybdenum

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV04-T2**

Station ID **363420121470401** *Sample Date* **4/18/2013 @ 1030**

Station Name **016S002E06H001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**20**			Naturally occurring
Specific Conductance, field	µS/cm	**1540**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**3.5**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**144**			Naturally occurring
Magnesium	mg/L	**34.5**			Naturally occurring
Potassium	mg/L	**5.46**			Naturally occurring
Sodium	mg/L	**137**			Naturally occurring
Bromide	mg/L	**0.766**			Naturally occurring
Chloride	mg/L	**250**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.52**	2	MCL-CA	Naturally occurring
Silica	mg/L	**47.8**			Naturally occurring
Sulfate	mg/L	**202**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**247**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**986**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**503**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
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pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV04-T2**

Station ID **363420121470401** *Sample Date* **4/18/2013 @ 1030**

Station Name **016S002E06H001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.232**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.168**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**6.1**	10	MCL-US	Naturally occurring
Barium	µg/L	**54.9**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.03**	4	MCL-US	Naturally occurring
Boron	µg/L	**109**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**2.72**	5	MCL-US	Naturally occurring
Iron	µg/L	**255**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**34.7**			Naturally occurring
Manganese	µg/L	**47.9**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**69.1**	40	HBSL	Naturally occurring
Nickel	µg/L	**11.3**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**5**	50	MCL-US	Naturally occurring
Strontium	µg/L	**558**	4000	HBSL	Naturally occurring
Uranium	µg/L	**6.85**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.2**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV05-T1**
Station ID	**363920121434901**	***Sample Date***	**11/6/2012 @ 1330**
Station Name	**015S002E03J001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV05-T1**

Station ID **363920121434901** *Sample Date* **11/6/2012 @ 1330**

Station Name **015S002E03J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1340**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**0.6**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**155**			Naturally occurring
Magnesium	mg/L	**51.1**			Naturally occurring
Potassium	mg/L	**4.38**			Naturally occurring
Sodium	mg/L	**79.7**			Naturally occurring
Bromide	mg/L	**0.404**			Naturally occurring
Chloride	mg/L	**108**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.21**	2	MCL-CA	Naturally occurring
Silica	mg/L	**37.3**			Naturally occurring
Sulfate	mg/L	**249**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**314**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**917**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**598**			Naturally occurring
3 Nutrients					

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV05-T1**

Station ID **363920121434901** *Sample Date* **11/6/2012 @ 1330**

Station Name **015S002E03J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**8.54**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.053**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.8**	10	MCL-US	Naturally occurring
Barium	µg/L	**97**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**183**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**1.05**	5	MCL-US	Naturally occurring
Lithium	µg/L	**21**			Naturally occurring
Manganese	µg/L	**267**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**9.23**	40	HBSL	Naturally occurring
Nickel	µg/L	**2.2**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**5**	50	MCL-US	Naturally occurring
Strontium	µg/L	**872**	4000	HBSL	Naturally occurring
Uranium	µg/L	**17.5**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**4**	50	NL-CA	Naturally occurring
Zinc	µg/L	**18.8**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV05-T2**
Station ID	**363745121423901**	***Sample Date***	**4/18/2013 @ 1150**
Station Name	**015S002E14H001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV05-T2**

Station ID **363745121423901** *Sample Date* **4/18/2013 @ 1150**

Station Name **015S002E14H001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15**			Naturally occurring
Specific Conductance, field	µS/cm	**1050**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.6**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.7**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**74.5**			Naturally occurring
Magnesium	mg/L	**25.9**			Naturally occurring
Potassium	mg/L	**4.02**			Naturally occurring
Sodium	mg/L	**106**			Naturally occurring
Bromide	mg/L	**0.554**			Naturally occurring
Chloride	mg/L	**182**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.23**	2	MCL-CA	Naturally occurring
Silica	mg/L	**38.5**			Naturally occurring
Sulfate	mg/L	**36.9**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**239**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**615**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**293**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV05-T2**

Station ID **363745121423901** *Sample Date* **4/18/2013 @ 1150**

Station Name **015S002E14H001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.506**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.045**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**2.3**	10	MCL-US	Naturally occurring
Barium	µg/L	**73.2**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.009**	4	MCL-US	Naturally occurring
Boron	µg/L	**93**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.095**	5	MCL-US	Naturally occurring
Copper	µg/L	**23.6**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**38.8**			Naturally occurring
Manganese	µg/L	**1.6**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**10.8**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.96**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.9**	50	MCL-US	Naturally occurring
Strontium	µg/L	**422**	4000	HBSL	Naturally occurring
Uranium	µg/L	**2.91**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**7.7**	50	NL-CA	Naturally occurring
Zinc	µg/L	**204**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
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HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV06-T1**
Station ID	**363945121444701**	***Sample Date***	**5/1/2013 @ 940**
Station Name	**015S002E04A001M**		

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None.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV06-T1**

Station ID **363945121444701** *Sample Date* **5/1/2013 @ 940**

Station Name **015S002E04A001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18.5**			Naturally occurring
Specific Conductance, field	µS/cm	**646**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.3**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**2.7**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**55.2**			Naturally occurring
Magnesium	mg/L	**19.6**			Naturally occurring
Potassium	mg/L	**2.98**			Naturally occurring
Sodium	mg/L	**43.4**			Naturally occurring
Bromide	mg/L	**0.305**			Naturally occurring
Chloride	mg/L	**90.7**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.27**	2	MCL-CA	Naturally occurring
Silica	mg/L	**40.1**			Naturally occurring
Sulfate	mg/L	**61.2**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**118**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**405**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**219**			Naturally occurring
3 Nutrients					

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HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV06-T1**

Station ID **363945121444701** *Sample Date* **5/1/2013 @ 940**

Station Name **015S002E04A001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**2.3**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.049**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.7**	10	MCL-US	Naturally occurring
Barium	µg/L	**40**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**110**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.112**	5	MCL-US	Naturally occurring
Chromium	µg/L	**2.5**	50	MCL-CA	Naturally occurring
Copper	µg/L	**2.4**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**14.1**			Naturally occurring
Molybdenum	µg/L	**5.56**	40	HBSL	Naturally occurring
Selenium	µg/L	**0.6**	50	MCL-US	Naturally occurring
Strontium	µg/L	**346**	4000	HBSL	Naturally occurring
Uranium	µg/L	**1.19**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**7.3**	50	NL-CA	Naturally occurring
Zinc	µg/L	**7.4**	5000	HBSL	Naturally occurring

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µS/cm = microsiemens per centimeter
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E = estimated value
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HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV06-T2**
Station ID	**363700121500001**	***Sample Date***	**5/21/2013 @ 940**
Station Name	**015S001E22B050M**		

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None.

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µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV06-T2**

Station ID **363700121500001** *Sample Date* **5/21/2013 @ 940**

Station Name **015S001E22B050M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**21**			Naturally occurring
Specific Conductance, field	µS/cm	**827**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**7**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**54.6**			Naturally occurring
Magnesium	mg/L	**17.4**			Naturally occurring
Potassium	mg/L	**4.11**			Naturally occurring
Sodium	mg/L	**88**			Naturally occurring
Bromide	mg/L	**0.508**			Naturally occurring
Chloride	mg/L	**137**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.14**	2	MCL-CA	Naturally occurring
Silica	mg/L	**43.6**			Naturally occurring
Sulfate	mg/L	**69.6**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**116**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**527**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**209**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV06-T2**

Station ID **363700121500001** *Sample Date* **5/21/2013 @ 940**

Station Name **015S001E22B050M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**5.93**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.076**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**2.2**	10	MCL-US	Naturally occurring
Barium	µg/L	**54.2**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**96**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.085**	5	MCL-US	Naturally occurring
Chromium	µg/L	**0.45**	50	MCL-CA	Naturally occurring
Copper	µg/L	**6.5**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**26.5**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**23.7**			Naturally occurring
Manganese	µg/L	**32.8**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**2.37**	40	HBSL	Naturally occurring
Nickel	µg/L	**3**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**2.5**	50	MCL-US	Naturally occurring
Strontium	µg/L	**366**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.384**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.3**	50	NL-CA	Naturally occurring
Zinc	µg/L	**8.2**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV08-T1**
Station ID	**364242121442401**	***Sample Date***	**12/3/2012 @ 1300**
Station Name	**014S002E15P001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Chloride, Total dissolved solids (TDS); Trace Elements: Iron

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV08-T1**

Station ID **364242121442401** *Sample Date* **12/3/2012 @ 1300**

Station Name **014S002E15P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16**			Naturally occurring
Specific Conductance, field	µS/cm	**4920**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**0.8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**464**			Naturally occurring
Magnesium	mg/L	**135**			Naturally occurring
Potassium	mg/L	**11.1**			Naturally occurring
Sodium	mg/L	**333**			Naturally occurring
Bromide	mg/L	**4.75**			Naturally occurring
Chloride	mg/L	**1460**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.06**	2	MCL-CA	Naturally occurring
Silica	mg/L	**36.4**			Naturally occurring
Sulfate	mg/L	**204**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**183**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**2900**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**1720**			Naturally occurring
3 Nutrients		**None Detected**			

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µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
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AL-US = USEPA Action Level (r)
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV08-T1**

Station ID **364242121442401** *Sample Date* **12/3/2012 @ 1300**

Station Name **014S002E15P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Arsenic	µg/L	**0.74**	10	MCL-US	Naturally occurring
Barium	µg/L	**161**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**232**	1000	HBSL	Naturally occurring
Iron	µg/L	**597**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**50.4**			Naturally occurring
Manganese	µg/L	**29.5**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**5.86**	40	HBSL	Naturally occurring
Nickel	µg/L	**3.3**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.22**	50	MCL-US	Naturally occurring
Strontium	µg/L	**2540**	4000	HBSL	Naturally occurring
Uranium	µg/L	**12.8**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.1**	50	NL-CA	Naturally occurring
Zinc	µg/L	**58.6**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV08-T2**
Station ID	**364042121435801**	***Sample Date***	**5/1/2013 @ 1140**
Station Name	**014S002E34B003M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV08-T2**

Station ID **364042121435801** *Sample Date* **5/1/2013 @ 1140**

Station Name **014S002E34B003M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15.5**			Naturally occurring
Specific Conductance, field	µS/cm	**976**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.5**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**0.8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**98.1**			Naturally occurring
Magnesium	mg/L	**34.2**			Naturally occurring
Potassium	mg/L	**4.32**			Naturally occurring
Sodium	mg/L	**77.8**			Naturally occurring
Bromide	mg/L	**0.281**			Naturally occurring
Chloride	mg/L	**60.2**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.22**	2	MCL-CA	Naturally occurring
Silica	mg/L	**34.5**			Naturally occurring
Sulfate	mg/L	**162**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**285**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**662**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**386**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV08-T2**

Station ID **364042121435801** *Sample Date* **5/1/2013 @ 1140**

Station Name **014S002E34B003M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**3.85**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.059**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.96**	10	MCL-US	Naturally occurring
Barium	µg/L	**77.5**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.007**	4	MCL-US	Naturally occurring
Boron	µg/L	**167**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.934**	5	MCL-US	Naturally occurring
Copper	µg/L	**39.7**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**8.2**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**15.2**			Naturally occurring
Manganese	µg/L	**43.1**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**13.6**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.4**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.15**	50	MCL-US	Naturally occurring
Strontium	µg/L	**562**	4000	HBSL	Naturally occurring
Uranium	µg/L	**8.94**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**3**	50	NL-CA	Naturally occurring
Zinc	µg/L	**429**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV09-T1**

Station ID **362951121300801** ***Sample Date*** **12/13/2012 @ 1440**

Station Name **016S004E35F001M**

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV09-T1**

Station ID **362951121300801** *Sample Date* **12/13/2012 @ 1440**

Station Name **016S004E35F001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15**			Naturally occurring
Specific Conductance, field	µS/cm	**907**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**1.4**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**118**			Naturally occurring
Magnesium	mg/L	**27.2**			Naturally occurring
Potassium	mg/L	**4.09**			Naturally occurring
Sodium	mg/L	**49.3**			Naturally occurring
Bromide	mg/L	**0.26**			Naturally occurring
Chloride	mg/L	**64.5**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.34**	2	MCL-CA	Naturally occurring
Silica	mg/L	**38.1**			Naturally occurring
Sulfate	mg/L	**165**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**230**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**613**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**406**			Naturally occurring
3 Nutrients					

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µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
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NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV09-T1**

Station ID **362951121300801** *Sample Date* **12/13/2012 @ 1440**

Station Name **016S004E35F001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**2.38**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	**0.38**	10	MCL-US	Naturally occurring
Barium	µg/L	**36.8**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**83**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.073**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.2**	50	MCL-CA	Naturally occurring
Copper	µg/L	**4.7**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**15.4**			Naturally occurring
Manganese	µg/L	**0.92**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**4.4**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.62**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**2.8**	50	MCL-US	Naturally occurring
Strontium	µg/L	**489**	4000	HBSL	Naturally occurring
Uranium	µg/L	**8.76**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**6.2**	50	NL-CA	Naturally occurring
Zinc	µg/L	**71.4**	5000	HBSL	Naturally occurring

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SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV09-T2**
Station ID	**363538121361101**	***Sample Date***	**4/17/2013 @ 1200**
Station Name	**015S003E26R001M**		

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None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

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µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV09-T2**

Station ID **363538121361101** *Sample Date* **4/17/2013 @ 1200**

Station Name **015S003E26R001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**13**			Naturally occurring
Specific Conductance, field	µS/cm	**813**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.3**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**2.7**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**97.1**			Naturally occurring
Magnesium	mg/L	**24.8**			Naturally occurring
Potassium	mg/L	**4.21**			Naturally occurring
Sodium	mg/L	**45**			Naturally occurring
Bromide	mg/L	**0.176**			Naturally occurring
Chloride	mg/L	**37.4**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.18**	2	MCL-CA	Naturally occurring
Silica	mg/L	**32.3**			Naturally occurring
Sulfate	mg/L	**163**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**232**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**567**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**345**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV09-T2**

Station ID **363538121361101** *Sample Date* **4/17/2013 @ 1200**

Station Name **015S003E26R001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**1.8**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.037**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.62**	10	MCL-US	Naturally occurring
Barium	µg/L	**61.1**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.009**	4	MCL-US	Naturally occurring
Boron	µg/L	**104**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.091**	5	MCL-US	Naturally occurring
Lithium	µg/L	**15.4**			Naturally occurring
Manganese	µg/L	**7.58**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**4.06**	40	HBSL	Naturally occurring
Selenium	µg/L	**2.6**	50	MCL-US	Naturally occurring
Strontium	µg/L	**592**	4000	HBSL	Naturally occurring
Uranium	µg/L	**6.62**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**3.6**	50	NL-CA	Naturally occurring
Zinc	µg/L	**17.6**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV11-T1**
Station ID	**361615121180401**	***Sample Date***	**3/27/2013 @ 1050**
Station Name	**019S006E22A001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Sulfate, Total dissolved solids (TDS)

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV11-T1**

Station ID **361615121180401** *Sample Date* **3/27/2013 @ 1050**

Station Name **019S006E22A001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**13**			Naturally occurring
Specific Conductance, field	µS/cm	**1610**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**4.4**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**166**			Naturally occurring
Magnesium	mg/L	**71.3**			Naturally occurring
Potassium	mg/L	**2.95**			Naturally occurring
Sodium	mg/L	**119**			Naturally occurring
Bromide	mg/L	**0.275**			Naturally occurring
Chloride	mg/L	**49.3**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.66**	2	MCL-CA	Naturally occurring
Silica	mg/L	**32.8**			Naturally occurring
Sulfate	mg/L	**532**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**329**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1260**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**709**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV11-T1**

Station ID **361615121180401** *Sample Date* **3/27/2013 @ 1050**

Station Name **019S006E22A001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.184**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.042**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**2.6**	10	MCL-US	Naturally occurring
Barium	µg/L	**14.1**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.009**	4	MCL-US	Naturally occurring
Boron	µg/L	**172**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.054**	5	MCL-US	Naturally occurring
Copper	µg/L	**3.8**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**113**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**32.9**			Naturally occurring
Manganese	µg/L	**38.5**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**23.4**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.1**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.08**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1280**	4000	HBSL	Naturally occurring
Uranium	µg/L	**12.7**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**0.71**	50	NL-CA	Naturally occurring
Zinc	µg/L	**22.1**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV11-T2**
Station ID	**362037121190801**	***Sample Date***	**4/30/2013 @ 1210**
Station Name	**018S006E21R001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen; Trace Elements: Zinc

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV11-T2**

Station ID **362037121190801** *Sample Date* **4/30/2013 @ 1210**

Station Name **018S006E21R001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**1850**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.1**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**204**			Naturally occurring
Magnesium	mg/L	**55.2**			Naturally occurring
Potassium	mg/L	**5.74**			Naturally occurring
Sodium	mg/L	**96.9**			Naturally occurring
Bromide	mg/L	**0.7**			Naturally occurring
Chloride	mg/L	**273**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.17**	2	MCL-CA	Naturally occurring
Silica	mg/L	**27.2**			Naturally occurring
Sulfate	mg/L	**165**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**221**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1200**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**739**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV11-T2**

Station ID **362037121190801** *Sample Date* **4/30/2013 @ 1210**

Station Name **018S006E21R001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	51.5	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	0.069	6	MCL-US	Naturally occurring
Arsenic	µg/L	0.43	10	MCL-US	Naturally occurring
Barium	µg/L	180	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	0.01	4	MCL-US	Naturally occurring
Boron	µg/L	141	1000	HBSL	Naturally occurring
Cadmium	µg/L	0.878	5	MCL-US	Naturally occurring
Iron	µg/L	30.5	300	SMCL-CA	Naturally occurring
Lithium	µg/L	17			Naturally occurring
Manganese	µg/L	8.62	50	HBSL	Naturally occurring
Molybdenum	µg/L	2.68	40	HBSL	Naturally occurring
Nickel	µg/L	4.2	100	MCL-CA	Naturally occurring
Selenium	µg/L	4.5	50	MCL-US	Naturally occurring
Strontium	µg/L	1040	4000	HBSL	Naturally occurring
Uranium	µg/L	9.28	30	MCL-US	Naturally occurring
Vanadium	µg/L	1.4	50	NL-CA	Naturally occurring
Zinc	µg/L	2460	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV13-T1**
Station ID	**354911120452701**	***Sample Date***	**3/13/2013 @ 1140**
Station Name	**024S011E26C001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Sulfate, Total dissolved solids (TDS); Radioactivity: Gross-alpha radioactivity, 30 day count, Gross-alpha radioactivity, 72 hr count; Trace Elements: Iron

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV13-T1**

Station ID **354911120452701** *Sample Date* **3/13/2013 @ 1140**

Station Name **024S011E26C001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**19**			Naturally occurring
Specific Conductance, field	µS/cm	**1770**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**0.3**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**46.9**			Naturally occurring
Magnesium	mg/L	**22.8**			Naturally occurring
Potassium	mg/L	**2.79**			Naturally occurring
Sodium	mg/L	**301**			Naturally occurring
Bromide	mg/L	**0.899**			Naturally occurring
Chloride	mg/L	**242**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.29**	2	MCL-CA	Naturally occurring
Silica	mg/L	**22.1**			Naturally occurring
Sulfate	mg/L	**304**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**265**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1110**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**212**			Naturally occurring
3 Nutrients		**None Detected**			

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV13-T1**

Station ID **354911120452701** *Sample Date* **3/13/2013 @ 1140**

Station Name **024S011E26C001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Antimony	µg/L	**0.034**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.3**	10	MCL-US	Naturally occurring
Barium	µg/L	**14.8**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.082**	4	MCL-US	Naturally occurring
Boron	µg/L	**2000**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.053**	5	MCL-US	Naturally occurring
Iron	µg/L	**2930**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**53.4**			Naturally occurring
Manganese	µg/L	**75.4**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**26.5**	40	HBSL	Naturally occurring
Selenium	µg/L	**0.13**	50	MCL-US	Naturally occurring
Strontium	µg/L	**890**	4000	HBSL	Naturally occurring
Thallium	µg/L	**0.039**	2	MCL-US	Naturally occurring
Tungsten	µg/L	**0.735**			Naturally occurring
Uranium	µg/L	**8.04**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**1.1**	50	NL-CA	Naturally occurring
Zinc	µg/L	**4.9**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV13-T2**
Station ID	**354501120413301**	***Sample Date***	**5/23/2013 @ 1450**
Station Name	**025S012E16N001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV13-T2**

Station ID **354501120413301** *Sample Date* **5/23/2013 @ 1450**

Station Name **025S012E16N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**20.5**			Naturally occurring
Specific Conductance, field	µS/cm	**949**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.5**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**0.4**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**46.1**			Naturally occurring
Magnesium	mg/L	**47.1**			Naturally occurring
Potassium	mg/L	**2.63**			Naturally occurring
Sodium	mg/L	**85.4**			Naturally occurring
Bromide	mg/L	**0.225**			Naturally occurring
Chloride	mg/L	**87.2**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.4**	2	MCL-CA	Naturally occurring
Silica	mg/L	**49.5**			Naturally occurring
Sulfate	mg/L	**135**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**248**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**612**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**310**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV13-T2**

Station ID **354501120413301** *Sample Date* **5/23/2013 @ 1450**

Station Name **025S012E16N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**2.9**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.117**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**4.4**	10	MCL-US	Naturally occurring
Barium	µg/L	**62.4**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.015**	4	MCL-US	Naturally occurring
Boron	µg/L	**460**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.06**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.1**	50	MCL-CA	Naturally occurring
Lead	µg/L	**0.933**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**75.4**			Naturally occurring
Molybdenum	µg/L	**20**	40	HBSL	Naturally occurring
Selenium	µg/L	**3.6**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1130**	4000	HBSL	Naturally occurring
Uranium	µg/L	**16.2**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**23.5**	50	NL-CA	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV16-T1**
Station ID	**361356121102901**	***Sample Date***	**5/22/2013 @ 940**
Station Name	**019S007E35J001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV16-T1**

Station ID **361356121102901** *Sample Date* **5/22/2013 @ 940**

Station Name **019S007E35J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**1330**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.3**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**4.1**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**131**			Naturally occurring
Magnesium	mg/L	**53.5**			Naturally occurring
Potassium	mg/L	**2.8**			Naturally occurring
Sodium	mg/L	**88.3**			Naturally occurring
Bromide	mg/L	**2.94**			Naturally occurring
Chloride	mg/L	**85.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.25**	2	MCL-CA	Naturally occurring
Silica	mg/L	**34.7**			Naturally occurring
Sulfate	mg/L	**328**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**212**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**960**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**549**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV16-T1**

Station ID **361356121102901** *Sample Date* **5/22/2013 @ 940**

Station Name **019S007E35J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	21.8	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.154**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**2.8**	10	MCL-US	Naturally occurring
Barium	µg/L	**33.6**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.007**	4	MCL-US	Naturally occurring
Boron	µg/L	**178**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.366**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.2**	50	MCL-CA	Naturally occurring
Iron	µg/L	**7.1**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**23.8**			Naturally occurring
Manganese	µg/L	**0.87**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**10.6**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.1**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**7.7**	50	MCL-US	Naturally occurring
Strontium	µg/L	**785**	4000	HBSL	Naturally occurring
Uranium	µg/L	**7.43**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**5.4**	50	NL-CA	Naturally occurring
Zinc	µg/L	**12.4**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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HBSL = Health-Based Screening Level
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SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV16-T2**
Station ID	**361228121100801**	***Sample Date***	**5/22/2013 @ 1040**
Station Name	**020S007E12E001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen; Trace Elements: Molybdenum

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV16-T2**

Station ID **361228121100801** *Sample Date* **5/22/2013 @ 1040**

Station Name **020S007E12E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**20.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1380**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**5.4**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**163**			Naturally occurring
Magnesium	mg/L	**36.2**			Naturally occurring
Potassium	mg/L	**3.87**			Naturally occurring
Sodium	mg/L	**86.4**			Naturally occurring
Bromide	mg/L	**0.597**			Naturally occurring
Chloride	mg/L	**199**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.51**	2	MCL-CA	Naturally occurring
Silica	mg/L	**42.4**			Naturally occurring
Sulfate	mg/L	**107**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**249**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**921**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**557**			Naturally occurring
3 Nutrients					

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV16-T2**

Station ID **361228121100801** *Sample Date* **5/22/2013 @ 1040**

Station Name **020S007E12E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	31.4	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.09**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**6.3**	10	MCL-US	Naturally occurring
Barium	µg/L	**214**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**152**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**2.49**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.4**	50	MCL-CA	Naturally occurring
Copper	µg/L	**26.4**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**46.5**			Naturally occurring
Manganese	µg/L	**1.07**	50	HBSL	Naturally occurring
Molybdenum	µg/L	40.4	40	HBSL	Naturally occurring
Nickel	µg/L	**1.5**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**10.7**	50	MCL-US	Naturally occurring
Strontium	µg/L	**347**	4000	HBSL	Naturally occurring
Uranium	µg/L	**8.24**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**15.7**	50	NL-CA	Naturally occurring
Zinc	µg/L	**144**	5000	HBSL	Naturally occurring

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µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
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AL-US = USEPA Action Level (r)
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV17-T1**
Station ID	**361830121155501**	***Sample Date***	**3/12/2013 @ 920**
Station Name	**019S006E01H002M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV17-T1**

Station ID **361830121155501** *Sample Date* **3/12/2013 @ 920**

Station Name **019S006E01H002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16.5**			Naturally occurring
Specific Conductance, field	µS/cm	**2020**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**5.5**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**242**			Naturally occurring
Magnesium	mg/L	**68.3**			Naturally occurring
Potassium	mg/L	**5.81**			Naturally occurring
Sodium	mg/L	**86.6**			Naturally occurring
Bromide	mg/L	**0.662**			Naturally occurring
Chloride	mg/L	**238**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.11**	2	MCL-CA	Naturally occurring
Silica	mg/L	**31.5**			Naturally occurring
Sulfate	mg/L	**358**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**197**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1350**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**886**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
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SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
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Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV17-T1**

Station ID **361830121155501** *Sample Date* **3/12/2013 @ 920**

Station Name **019S006E01H002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	54.6	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.063**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.57**	10	MCL-US	Naturally occurring
Barium	µg/L	**71.8**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**58**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**1.15**	5	MCL-US	Naturally occurring
Chromium	µg/L	**2.2**	50	MCL-CA	Naturally occurring
Copper	µg/L	**2.7**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**17**			Naturally occurring
Molybdenum	µg/L	**3.75**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.1**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**7.1**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1000**	4000	HBSL	Naturally occurring
Uranium	µg/L	**15.5**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**1.8**	50	NL-CA	Naturally occurring
Zinc	µg/L	**11.7**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV17-T2**
Station ID	**361747121144801**	***Sample Date***	**3/12/2013 @ 1040**
Station Name	**019S007E07A001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV17-T2**

Station ID **361747121144801** *Sample Date* **3/12/2013 @ 1040**

Station Name **019S007E07A001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**1560**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.3**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**4.4**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**152**			Naturally occurring
Magnesium	mg/L	**58.6**			Naturally occurring
Potassium	mg/L	**3.36**			Naturally occurring
Sodium	mg/L	**79.2**			Naturally occurring
Bromide	mg/L	**0.696**			Naturally occurring
Chloride	mg/L	**243**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.14**	2	MCL-CA	Naturally occurring
Silica	mg/L	**37.1**			Naturally occurring
Sulfate	mg/L	**228**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**176**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**975**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**623**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV17-T2**

Station ID **361747121144801** *Sample Date* **3/12/2013 @ 1040**

Station Name **019S007E07A001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	17.5	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.091**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**2.5**	10	MCL-US	Naturally occurring
Barium	µg/L	**68.7**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.008**	4	MCL-US	Naturally occurring
Boron	µg/L	**171**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.117**	5	MCL-US	Naturally occurring
Chromium	µg/L	**4.2**	50	MCL-CA	Naturally occurring
Copper	µg/L	**2.2**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**23.2**			Naturally occurring
Molybdenum	µg/L	**4.69**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.74**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**20.2**	50	MCL-US	Naturally occurring
Strontium	µg/L	**945**	4000	HBSL	Naturally occurring
Uranium	µg/L	**5.15**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**5.5**	50	NL-CA	Naturally occurring
Zinc	µg/L	**15.7**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV18-T1**
Station ID	**363310121321301**	***Sample Date***	**4/16/2013 @ 1200**
Station Name	**016S004E09L001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Sulfate, Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen; Trace Elements: Manganese, Uranium

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV18-T1**

Station ID **363310121321301** *Sample Date* **4/16/2013 @ 1200**

Station Name **016S004E09L001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16**			Naturally occurring
Specific Conductance, field	µS/cm	**1770**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.6**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**3.6**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**155**			Naturally occurring
Magnesium	mg/L	**86.7**			Naturally occurring
Potassium	mg/L	**3.93**			Naturally occurring
Sodium	mg/L	**141**			Naturally occurring
Bromide	mg/L	**0.445**			Naturally occurring
Chloride	mg/L	**75.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.2**	2	MCL-CA	Naturally occurring
Silica	mg/L	**30.1**			Naturally occurring
Sulfate	mg/L	**517**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**374**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1330**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**745**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
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pCi/L = picocuries per liter
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HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV18-T1**

Station ID **363310121321301** *Sample Date* **4/16/2013 @ 1200**

Station Name **016S004E09L001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	17.7	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	0.105	6	MCL-US	Naturally occurring
Arsenic	µg/L	3.3	10	MCL-US	Naturally occurring
Barium	µg/L	70.1	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	0.021	4	MCL-US	Naturally occurring
Boron	µg/L	220	1000	HBSL	Naturally occurring
Cadmium	µg/L	0.652	5	MCL-US	Naturally occurring
Iron	µg/L	16	300	SMCL-CA	Naturally occurring
Lithium	µg/L	15.9			Naturally occurring
Manganese	µg/L	1120	50	HBSL	Naturally occurring
Molybdenum	µg/L	34.2	40	HBSL	Naturally occurring
Nickel	µg/L	1.6	100	MCL-CA	Naturally occurring
Selenium	µg/L	41.6	50	MCL-US	Naturally occurring
Strontium	µg/L	1070	4000	HBSL	Naturally occurring
Uranium	µg/L	50.1	30	MCL-US	Naturally occurring
Vanadium	µg/L	10	50	NL-CA	Naturally occurring
Zinc	µg/L	38.1	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV19-T1**
Station ID	**363428121344901**	***Sample Date***	**5/20/2013 @ 1800**
Station Name	**016S004E06D001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV19-T1**

Station ID **363428121344901** ***Sample Date*** **5/20/2013 @ 1800**

Station Name **016S004E06D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**19**			Naturally occurring
Specific Conductance, field	µS/cm	**912**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**3.6**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**96.8**			Naturally occurring
Magnesium	mg/L	**39.6**			Naturally occurring
Potassium	mg/L	**2.52**			Naturally occurring
Sodium	mg/L	**47**			Naturally occurring
Bromide	mg/L	**0.26**			Naturally occurring
Chloride	mg/L	**35.2**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.49**	2	MCL-CA	Naturally occurring
Silica	mg/L	**30.8**			Naturally occurring
Sulfate	mg/L	**130**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**306**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**601**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**405**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
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pCi/L = picocuries per liter
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MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV19-T1**

Station ID **363428121344901** *Sample Date* **5/20/2013 @ 1800**

Station Name **016S004E06D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**6.85**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.055**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.1**	10	MCL-US	Naturally occurring
Barium	µg/L	**70.2**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**122**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.211**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.2**	50	MCL-CA	Naturally occurring
Copper	µg/L	**6.4**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**9.03**			Naturally occurring
Manganese	µg/L	**55.7**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**15.2**	40	HBSL	Naturally occurring
Nickel	µg/L	**2.3**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**3.8**	50	MCL-US	Naturally occurring
Strontium	µg/L	**548**	4000	HBSL	Naturally occurring
Uranium	µg/L	**8.85**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.9**	50	NL-CA	Naturally occurring

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µg/L = micrograms per liter
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pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV19-T2**

Station ID **363813121360601** ***Sample Date*** **5/21/2013 @ 1110**

Station Name **015S003E11R001M**

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV19-T2**

Station ID **363813121360601** *Sample Date* **5/21/2013 @ 1110**

Station Name **015S003E11R001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**19.5**			Naturally occurring
Specific Conductance, field	µS/cm	**881**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**74**			Naturally occurring
Magnesium	mg/L	**32.4**			Naturally occurring
Potassium	mg/L	**3.21**			Naturally occurring
Sodium	mg/L	**74.7**			Naturally occurring
Bromide	mg/L	**0.211**			Naturally occurring
Chloride	mg/L	**48.5**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.37**	2	MCL-CA	Naturally occurring
Silica	mg/L	**35.2**			Naturally occurring
Sulfate	mg/L	**180**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**224**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**592**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**319**			Naturally occurring
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**2.24**	10	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV19-T2**

Station ID **363813121360601** *Sample Date* **5/21/2013 @ 1110**

Station Name **015S003E11R001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Antimony	µg/L	**0.048**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.3**	10	MCL-US	Naturally occurring
Barium	µg/L	**47.6**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**156**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.092**	5	MCL-US	Naturally occurring
Chromium	µg/L	**0.5**	50	MCL-CA	Naturally occurring
Copper	µg/L	**24.5**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**18.1**			Naturally occurring
Manganese	µg/L	**9**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**3.79**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.58**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.8**	50	MCL-US	Naturally occurring
Strontium	µg/L	**424**	4000	HBSL	Naturally occurring
Uranium	µg/L	**6.63**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**5.7**	50	NL-CA	Naturally occurring
Zinc	µg/L	**41**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV20-T1**
Station ID	**364441121433801**	***Sample Date***	**12/6/2012 @ 1100**
Station Name	**014S002E03J001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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(805) 549-3685
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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV20-T1**

Station ID **364441121433801** ***Sample Date*** **12/6/2012 @ 1100**

Station Name **014S002E03J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1460**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**0.9**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**161**			Naturally occurring
Magnesium	mg/L	**42.9**			Naturally occurring
Potassium	mg/L	**3.71**			Naturally occurring
Sodium	mg/L	**61.1**			Naturally occurring
Bromide	mg/L	**1.1**			Naturally occurring
Chloride	mg/L	**338**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.12**	2	MCL-CA	Naturally occurring
Silica	mg/L	**41.1**			Naturally occurring
Sulfate	mg/L	**37.1**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**169**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**821**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**581**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV20-T1**

Station ID **364441121433801** *Sample Date* **12/6/2012 @ 1100**

Station Name **014S002E03J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**1.68**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.052**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.3**	10	MCL-US	Naturally occurring
Barium	µg/L	**295**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**51**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.017**	5	MCL-US	Naturally occurring
Chromium	µg/L	**4.1**	50	MCL-CA	Naturally occurring
Copper	µg/L	**5.1**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**12.1**	300	SMCL-CA	Naturally occurring
Lead	µg/L	**1.17**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**37.1**			Naturally occurring
Manganese	µg/L	**0.68**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**1.54**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.6**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.76**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1030**	4000	HBSL	Naturally occurring
Uranium	µg/L	**3.9**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**10.1**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV20-T1**

Station ID **364441121433801** *Sample Date* **12/6/2012 @ 1100**

Station Name **014S002E03J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Zinc	µg/L	**501**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV20-T2**
Station ID	**364615121455701**	***Sample Date***	**4/18/2013 @ 1600**
Station Name	**013S002E29J002M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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Central Coast Regional Water Board
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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV20-T2**

Station ID **364615121455701** *Sample Date* **4/18/2013 @ 1600**

Station Name **013S002E29J002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**20**			Naturally occurring
Specific Conductance, field	µS/cm	**611**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.5**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**1.5**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**48.7**			Naturally occurring
Magnesium	mg/L	**15.5**			Naturally occurring
Potassium	mg/L	**2.37**			Naturally occurring
Sodium	mg/L	**57.1**			Naturally occurring
Bromide	mg/L	**0.333**			Naturally occurring
Chloride	mg/L	**96.5**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.16**	2	MCL-CA	Naturally occurring
Silica	mg/L	**41.6**			Naturally occurring
Sulfate	mg/L	**12**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**158**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**376**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**186**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV20-T2**

Station ID **364615121455701** *Sample Date* **4/18/2013 @ 1600**

Station Name **013S002E29J002M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.435**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.029**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1**	10	MCL-US	Naturally occurring
Barium	µg/L	**68.2**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**34**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.028**	5	MCL-US	Naturally occurring
Chromium	µg/L	**0.93**	50	MCL-CA	Naturally occurring
Iron	µg/L	**24.3**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**20.5**			Naturally occurring
Manganese	µg/L	**1.39**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.435**	40	HBSL	Naturally occurring
Selenium	µg/L	**0.22**	50	MCL-US	Naturally occurring
Strontium	µg/L	**357**	4000	HBSL	Naturally occurring
Uranium	µg/L	**1.28**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**12**	50	NL-CA	Naturally occurring
Zinc	µg/L	**20.1**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
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MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV21-T1**
Station ID	**364448121425401**	***Sample Date***	**12/5/2012 @ 1040**
Station Name	**014S002E02G001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV21-T1**

Station ID **364448121425401** *Sample Date* **12/5/2012 @ 1040**

Station Name **014S002E02G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**14**			Naturally occurring
Specific Conductance, field	µS/cm	**586**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.4**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**5.6**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**35.4**			Naturally occurring
Magnesium	mg/L	**10.8**			Naturally occurring
Potassium	mg/L	**2.11**			Naturally occurring
Sodium	mg/L	**68.3**			Naturally occurring
Bromide	mg/L	**E 0.112**			Naturally occurring
Chloride	mg/L	**63.3**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.29**	2	MCL-CA	Naturally occurring
Silica	mg/L	**44**			Naturally occurring
Sulfate	mg/L	**19.1**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**186**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**364**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**133**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV21-T1**

Station ID **364448121425401** *Sample Date* **12/5/2012 @ 1040**

Station Name **014S002E02G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.669**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.054**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**3**	10	MCL-US	Naturally occurring
Barium	µg/L	**70**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**131**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.033**	5	MCL-US	Naturally occurring
Chromium	µg/L	**4.7**	50	MCL-CA	Naturally occurring
Copper	µg/L	**5.5**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**7.9**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**34.2**			Naturally occurring
Molybdenum	µg/L	**8.06**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.92**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.65**	50	MCL-US	Naturally occurring
Strontium	µg/L	**267**	4000	HBSL	Naturally occurring
Uranium	µg/L	**2.18**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**15.2**	50	NL-CA	Naturally occurring
Zinc	µg/L	**61.5**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV21-T2**
Station ID	**364337121402601**	***Sample Date***	**5/20/2013 @ 1430**
Station Name	**014S003E07J001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

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The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV21-T2**

Station ID **364337121402601** *Sample Date* **5/20/2013 @ 1430**

Station Name **014S003E07J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1400**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.2**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**155**			Naturally occurring
Magnesium	mg/L	**36.8**			Naturally occurring
Potassium	mg/L	**2.59**			Naturally occurring
Sodium	mg/L	**60.3**			Naturally occurring
Bromide	mg/L	**0.939**			Naturally occurring
Chloride	mg/L	**265**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.23**	2	MCL-CA	Naturally occurring
Silica	mg/L	**28.2**			Naturally occurring
Sulfate	mg/L	**38.3**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**156**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**869**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**540**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
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pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV21-T2**

Station ID **364337121402601** *Sample Date* **5/20/2013 @ 1430**

Station Name **014S003E07J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	27	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.041**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.51**	10	MCL-US	Naturally occurring
Barium	µg/L	**236**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**21**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.02**	5	MCL-US	Naturally occurring
Chromium	µg/L	**3.9**	50	MCL-CA	Naturally occurring
Copper	µg/L	**5**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**6.4**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**12.8**			Naturally occurring
Molybdenum	µg/L	**1.57**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.75**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.78**	50	MCL-US	Naturally occurring
Strontium	µg/L	**784**	4000	HBSL	Naturally occurring
Uranium	µg/L	**5.08**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**5.8**	50	NL-CA	Naturally occurring

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SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV22-T1**
Station ID	**363308121283001**	***Sample Date***	**10/31/2012 @ 1000**
Station Name	**016S004E12J001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV22-T1**

Station ID **363308121283001** *Sample Date* **10/31/2012 @ 1000**

Station Name **016S004E12J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16.5**			Naturally occurring
Specific Conductance, field	µS/cm	**2490**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.7**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**215**			Naturally occurring
Magnesium	mg/L	**98.5**			Naturally occurring
Potassium	mg/L	**4.74**			Naturally occurring
Sodium	mg/L	**204**			Naturally occurring
Bromide	mg/L	**0.942**			Naturally occurring
Chloride	mg/L	**194**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.18**	2	MCL-CA	Naturally occurring
Silica	mg/L	**33.6**			Naturally occurring
Sulfate	mg/L	**491**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**345**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1760**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**945**			Naturally occurring
3 Nutrients					

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pCi/L = picocuries per liter
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SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV22-T1**

Station ID **363308121283001** *Sample Date* **10/31/2012 @ 1000**

Station Name **016S004E12J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrite, as nitrogen	mg/L	**0.002**	1	MCL-US	Natural, fertilizer, sewage
Nitrate plus nitrite, as nitrogen	mg/L	**65.6**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**57.5**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.071**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.044**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.86**	10	MCL-US	Naturally occurring
Barium	µg/L	**35**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.013**	4	MCL-US	Naturally occurring
Boron	µg/L	**424**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.049**	5	MCL-US	Naturally occurring
Chromium	µg/L	**8.9**	50	MCL-CA	Naturally occurring
Iron	µg/L	**6.8**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**30.3**			Naturally occurring
Manganese	µg/L	**0.95**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**3.87**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.3**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**6.3**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1180**	4000	HBSL	Naturally occurring

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SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV22-T1**

Station ID **363308121283001** ***Sample Date*** **10/31/2012 @ 1000**

Station Name **016S004E12J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Uranium	µg/L	**28.1**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**6.5**	50	NL-CA	Naturally occurring
Zinc	µg/L	**16.5**	5000	HBSL	Naturally occurring

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SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV22-T2**
Station ID	**363719121332801**	***Sample Date***	**5/1/2013 @ 1430**
Station Name	**015S004E17P001M**		

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None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

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pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV22-T2**

Station ID **363719121332801** ***Sample Date*** **5/1/2013 @ 1430**

Station Name **015S004E17P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**20**			Naturally occurring
Specific Conductance, field	µS/cm	**837**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.9**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**5.9**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**71.9**			Naturally occurring
Magnesium	mg/L	**30.6**			Naturally occurring
Potassium	mg/L	**3.07**			Naturally occurring
Sodium	mg/L	**60.2**			Naturally occurring
Bromide	mg/L	**0.437**			Naturally occurring
Chloride	mg/L	**125**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.46**	2	MCL-CA	Naturally occurring
Silica	mg/L	**38**			Naturally occurring
Sulfate	mg/L	**132**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**182**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**645**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**306**			Naturally occurring
3 Nutrients					

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NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV22-T2**

Station ID **363719121332801** *Sample Date* **5/1/2013 @ 1430**

Station Name **015S004E17P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**7.42**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Aluminum	µg/L	**19.8**	1000	MCL-CA	Naturally occurring
Antimony	µg/L	**0.168**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.2**	10	MCL-US	Naturally occurring
Barium	µg/L	**23.1**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.007**	4	MCL-US	Naturally occurring
Boron	µg/L	**22**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.097**	5	MCL-US	Naturally occurring
Iron	µg/L	**11.1**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**0.72**			Naturally occurring
Manganese	µg/L	**85**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.594**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.3**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.31**	50	MCL-US	Naturally occurring
Strontium	µg/L	**90.3**	4000	HBSL	Naturally occurring
Thallium	µg/L	**0.01**	2	MCL-US	Naturally occurring
Uranium	µg/L	**0.029**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**0.42**	50	NL-CA	Naturally occurring

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Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV22-T2**

Station ID **363719121332801** *Sample Date* **5/1/2013 @ 1430**

Station Name **015S004E17P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Zinc	µg/L	**6.8**	5000	HBSL	Naturally occurring

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pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV23-T1**
Station ID	**362934121253901**	***Sample Date***	**2/25/2013 @ 1600**
Station Name	**016S005E33K002M**		

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Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Sulfate, Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

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µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV23-T1**

Station ID **362934121253901** *Sample Date* **2/25/2013 @ 1600**

Station Name **016S005E33K002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**13.5**			Naturally occurring
Specific Conductance, field	µS/cm	**2350**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**10.8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**209**			Naturally occurring
Magnesium	mg/L	**105**			Naturally occurring
Potassium	mg/L	**4.87**			Naturally occurring
Sodium	mg/L	**162**			Naturally occurring
Bromide	mg/L	**0.802**			Naturally occurring
Chloride	mg/L	**192**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.13**	2	MCL-CA	Naturally occurring
Silica	mg/L	**34.2**			Naturally occurring
Sulfate	mg/L	**592**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**286**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1720**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**956**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV23-T1**

Station ID **362934121253901** *Sample Date* **2/25/2013 @ 1600**

Station Name **016S005E33K002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	56.4	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	1.2	10	MCL-US	Naturally occurring
Barium	µg/L	36.2	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	3.21	4	MCL-US	Naturally occurring
Boron	µg/L	394	1000	HBSL	Naturally occurring
Chromium	µg/L	4.8	50	MCL-CA	Naturally occurring
Copper	µg/L	9.3	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	37.2			Naturally occurring
Manganese	µg/L	1.32	50	HBSL	Naturally occurring
Molybdenum	µg/L	7.12	40	HBSL	Naturally occurring
Nickel	µg/L	1.5	100	MCL-CA	Naturally occurring
Selenium	µg/L	4.6	50	MCL-US	Naturally occurring
Strontium	µg/L	1390	4000	HBSL	Naturally occurring
Uranium	µg/L	24.2	30	MCL-US	Naturally occurring
Vanadium	µg/L	3.6	50	NL-CA	Naturally occurring
Zinc	µg/L	13.1	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV24-T1**
Station ID	**361631121112001**	***Sample Date***	**3/28/2013 @ 1320**
Station Name	**019S007E14M001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV24-T1**

Station ID **361631121112001** *Sample Date* **3/28/2013 @ 1320**

Station Name **019S007E14M001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**570**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**10.2**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**54.2**			Naturally occurring
Magnesium	mg/L	**23.6**			Naturally occurring
Potassium	mg/L	**1.49**			Naturally occurring
Sodium	mg/L	**30.8**			Naturally occurring
Bromide	mg/L	**0.088**			Naturally occurring
Chloride	mg/L	**25.2**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.29**	2	MCL-CA	Naturally occurring
Silica	mg/L	**33.9**			Naturally occurring
Sulfate	mg/L	**89.7**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**155**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**386**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**233**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV24-T1**

Station ID **361631121112001** *Sample Date* **3/28/2013 @ 1320**

Station Name **019S007E14M001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**5.33**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.167**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**2.9**	10	MCL-US	Naturally occurring
Barium	µg/L	**27.8**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**96**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.085**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.2**	50	MCL-CA	Naturally occurring
Lithium	µg/L	**10.3**			Naturally occurring
Molybdenum	µg/L	**7.05**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.47**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.5**	50	MCL-US	Naturally occurring
Strontium	µg/L	**358**	4000	HBSL	Naturally occurring
Uranium	µg/L	**2.01**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**4.9**	50	NL-CA	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV24-T2**
Station ID	**362215122185101**	***Sample Date***	**4/30/2013 @ 1050**
Station Name	**018S006E15D001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV24-T2**

Station ID **362215122185101** *Sample Date* **4/30/2013 @ 1050**

Station Name **018S006E15D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16**			Naturally occurring
Specific Conductance, field	µS/cm	**389**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.5**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**8.1**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**49.8**			Naturally occurring
Magnesium	mg/L	**12.7**			Naturally occurring
Potassium	mg/L	**2.25**			Naturally occurring
Sodium	mg/L	**15.1**			Naturally occurring
Bromide	mg/L	**0.029**			Naturally occurring
Chloride	mg/L	**7.75**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.21**	2	MCL-CA	Naturally occurring
Silica	mg/L	**28.9**			Naturally occurring
Sulfate	mg/L	**63.9**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**124**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**286**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**177**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV24-T2**

Station ID **362215122185101** *Sample Date* **4/30/2013 @ 1050**

Station Name **018S006E15D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**1.91**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.061**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.77**	10	MCL-US	Naturally occurring
Barium	µg/L	**44.2**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**16**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.095**	5	MCL-US	Naturally occurring
Chromium	µg/L	**0.76**	50	MCL-CA	Naturally occurring
Copper	µg/L	**2.8**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**6.3**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**5.64**			Naturally occurring
Molybdenum	µg/L	**3.09**	40	HBSL	Naturally occurring
Selenium	µg/L	**0.81**	50	MCL-US	Naturally occurring
Strontium	µg/L	**221**	4000	HBSL	Naturally occurring
Uranium	µg/L	**1.8**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.3**	50	NL-CA	Naturally occurring
Zinc	µg/L	**19.6**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV25-T1**
Station ID	**361338121083001**	***Sample Date***	**5/24/2013 @ 840**
Station Name	**019S008E31Q001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Sulfate, Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV25-T1**

Station ID **361338121083001** *Sample Date* **5/24/2013 @ 840**

Station Name **019S008E31Q001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**2430**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**3.2**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**175**			Naturally occurring
Magnesium	mg/L	**99**			Naturally occurring
Potassium	mg/L	**3.84**			Naturally occurring
Sodium	mg/L	**236**			Naturally occurring
Bromide	mg/L	**0.776**			Naturally occurring
Chloride	mg/L	**184**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.17**	2	MCL-CA	Naturally occurring
Silica	mg/L	**34.8**			Naturally occurring
Sulfate	mg/L	**662**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**322**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1830**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**846**			Naturally occurring
3 Nutrients					

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV25-T1**

Station ID **361338121083001** *Sample Date* **5/24/2013 @ 840**

Station Name **019S008E31Q001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	45.1	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.105**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.5**	10	MCL-US	Naturally occurring
Barium	µg/L	**49.1**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.03**	4	MCL-US	Naturally occurring
Boron	µg/L	**887**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.137**	5	MCL-US	Naturally occurring
Chromium	µg/L	**23.3**	50	MCL-CA	Naturally occurring
Copper	µg/L	**3.2**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**47.8**			Naturally occurring
Molybdenum	µg/L	**5.35**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.8**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**6.6**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1260**	4000	HBSL	Naturally occurring
Uranium	µg/L	**12.1**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**3.2**	50	NL-CA	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV25-T2**

Station ID **361335121083101** ***Sample Date*** **5/24/2013 @ 910**

Station Name **020S008E06B002M**

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Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV25-T2**

Station ID **361335121083101** *Sample Date* **5/24/2013 @ 910**

Station Name **020S008E06B002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1640**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.3**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**2.1**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**133**			Naturally occurring
Magnesium	mg/L	**71.6**			Naturally occurring
Potassium	mg/L	**2.74**			Naturally occurring
Sodium	mg/L	**129**			Naturally occurring
Bromide	mg/L	**0.384**			Naturally occurring
Chloride	mg/L	**86.2**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.19**	2	MCL-CA	Naturally occurring
Silica	mg/L	**33.3**			Naturally occurring
Sulfate	mg/L	**389**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**277**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1220**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**629**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV25-T2**

Station ID **361335121083101** *Sample Date* **5/24/2013 @ 910**

Station Name **020S008E06B002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**38.2**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.099**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.5**	10	MCL-US	Naturally occurring
Barium	µg/L	**58.3**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.016**	4	MCL-US	Naturally occurring
Boron	µg/L	**490**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.11**	5	MCL-US	Naturally occurring
Chromium	µg/L	**13.9**	50	MCL-CA	Naturally occurring
Copper	µg/L	**2.6**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**8.8**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**29.7**			Naturally occurring
Molybdenum	µg/L	**5.11**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.7**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**5.9**	50	MCL-US	Naturally occurring
Strontium	µg/L	**928**	4000	HBSL	Naturally occurring
Uranium	µg/L	**7.67**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**3.3**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV26-T1**
Station ID	**360516120584101**	***Sample Date***	**3/21/2013 @ 1510**
Station Name	**021S009E22J001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV26-T1**

Station ID **360516120584101** *Sample Date* **3/21/2013 @ 1510**

Station Name **021S009E22J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**19**			Naturally occurring
Specific Conductance, field	µS/cm	**427**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.5**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**2.5**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**42.8**			Naturally occurring
Magnesium	mg/L	**17.1**			Naturally occurring
Potassium	mg/L	**1.52**			Naturally occurring
Sodium	mg/L	**23.4**			Naturally occurring
Bromide	mg/L	**0.081**			Naturally occurring
Chloride	mg/L	**21.9**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.24**	2	MCL-CA	Naturally occurring
Silica	mg/L	**28.9**			Naturally occurring
Sulfate	mg/L	**51.3**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**139**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**274**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**178**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV26-T1**

Station ID **360516120584101** *Sample Date* **3/21/2013 @ 1510**

Station Name **021S009E22J001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.443**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.147**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.9**	10	MCL-US	Naturally occurring
Barium	µg/L	**31.4**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**134**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.03**	5	MCL-US	Naturally occurring
Iron	µg/L	**9.6**	300	SMCL-CA	Naturally occurring
Lead	µg/L	**0.963**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**10.2**			Naturally occurring
Manganese	µg/L	**1.4**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**6.48**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.4**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.63**	50	MCL-US	Naturally occurring
Strontium	µg/L	**275**	4000	HBSL	Naturally occurring
Uranium	µg/L	**1.33**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**3.6**	50	NL-CA	Naturally occurring
Zinc	µg/L	**10.6**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV26-T2**
Station ID	**360600121000001**	***Sample Date***	**5/21/2013 @ 1420**
Station Name	**021S009E16D001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Sulfate, Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen; Trace Elements: Manganese, Uranium

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV26-T2**

Station ID **360600121000001** *Sample Date* **5/21/2013 @ 1420**

Station Name **021S009E16D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**2880**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.2**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**345**			Naturally occurring
Magnesium	mg/L	**130**			Naturally occurring
Potassium	mg/L	**4.54**			Naturally occurring
Sodium	mg/L	**206**			Naturally occurring
Bromide	mg/L	**0.839**			Naturally occurring
Chloride	mg/L	**226**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.2**	2	MCL-CA	Naturally occurring
Silica	mg/L	**25.8**			Naturally occurring
Sulfate	mg/L	**1160**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**272**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**2430**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**1400**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV26-T2**

Station ID **360600121000001** *Sample Date* **5/21/2013 @ 1420**

Station Name **021S009E16D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	23.5	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	0.928	6	MCL-US	Naturally occurring
Arsenic	µg/L	3.7	10	MCL-US	Naturally occurring
Barium	µg/L	51.4	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	0.057	4	MCL-US	Naturally occurring
Boron	µg/L	705	1000	HBSL	Naturally occurring
Cadmium	µg/L	0.925	5	MCL-US	Naturally occurring
Iron	µg/L	42.4	300	SMCL-CA	Naturally occurring
Lithium	µg/L	59.1			Naturally occurring
Manganese	µg/L	1820	50	HBSL	Naturally occurring
Molybdenum	µg/L	35.1	40	HBSL	Naturally occurring
Nickel	µg/L	28	100	MCL-CA	Naturally occurring
Selenium	µg/L	14.3	50	MCL-US	Naturally occurring
Strontium	µg/L	2190	4000	HBSL	Naturally occurring
Uranium	µg/L	42.8	30	MCL-US	Naturally occurring
Vanadium	µg/L	2.4	50	NL-CA	Naturally occurring
Zinc	µg/L	20.7	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV27-T1**
Station ID	**355827120520601**	***Sample Date***	**5/22/2013 @ 1440**
Station Name	**022S010E35E001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Sulfate, Total dissolved solids (TDS); Trace Elements: Iron

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV27-T1**

Station ID **355827120520601** *Sample Date* **5/22/2013 @ 1440**

Station Name **022S010E35E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**24**			Naturally occurring
Specific Conductance, field	µS/cm	**2430**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**1.2**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**234**			Naturally occurring
Magnesium	mg/L	**122**			Naturally occurring
Potassium	mg/L	**21.6**			Naturally occurring
Sodium	mg/L	**163**			Naturally occurring
Bromide	mg/L	**0.69**			Naturally occurring
Chloride	mg/L	**137**	250 (500)	SMCL-CA	Naturally occurring
Silica	mg/L	**40.8**			Naturally occurring
Sulfate	mg/L	**986**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**296**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1980**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**1090**			Naturally occurring
3 Nutrients		**None Detected**			

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV27-T1**

Station ID **355827120520601** *Sample Date* **5/22/2013 @ 1440**

Station Name **022S010E35E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
4 Trace Elements					
Antimony	µg/L	**0.033**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**3**	10	MCL-US	Naturally occurring
Barium	µg/L	**19.8**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.019**	4	MCL-US	Naturally occurring
Boron	µg/L	**497**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.047**	5	MCL-US	Naturally occurring
Iron	µg/L	**6720**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**265**			Naturally occurring
Manganese	µg/L	**202**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**15.6**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.97**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.12**	50	MCL-US	Naturally occurring
Strontium	µg/L	**3100**	4000	HBSL	Naturally occurring
Tungsten	µg/L	**0.118**			Naturally occurring
Uranium	µg/L	**0.635**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**0.19**	50	NL-CA	Naturally occurring
Zinc	µg/L	**79.5**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV29-T1**
Station ID	**360613120585801**	***Sample Date***	**3/27/2013 @ 1600**
Station Name	**021S009E15G001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Sulfate, Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV29-T1**

Station ID **360613120585801** *Sample Date* **3/27/2013 @ 1600**

Station Name **021S009E15G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18**			Naturally occurring
Specific Conductance, field	µS/cm	**2820**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.9**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**264**			Naturally occurring
Magnesium	mg/L	**113**			Naturally occurring
Potassium	mg/L	**7.46**			Naturally occurring
Sodium	mg/L	**211**			Naturally occurring
Bromide	mg/L	**1.03**			Naturally occurring
Chloride	mg/L	**306**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.18**	2	MCL-CA	Naturally occurring
Silica	mg/L	**38.5**			Naturally occurring
Sulfate	mg/L	**892**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**232**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**2120**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**1130**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV29-T1**

Station ID **360613120585801** *Sample Date* **3/27/2013 @ 1600**

Station Name **021S009E15G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	40.4	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.125**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.6**	10	MCL-US	Naturally occurring
Barium	µg/L	**17.1**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.589**	4	MCL-US	Naturally occurring
Boron	µg/L	**741**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.299**	5	MCL-US	Naturally occurring
Chromium	µg/L	**2.8**	50	MCL-CA	Naturally occurring
Iron	µg/L	**21.6**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**153**			Naturally occurring
Manganese	µg/L	**0.99**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**13.9**	40	HBSL	Naturally occurring
Nickel	µg/L	**6.5**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**11.2**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1980**	4000	HBSL	Naturally occurring
Uranium	µg/L	**14.9**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**4.6**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV29-T2**
Station ID	**361115121043601**	***Sample Date***	**5/21/2013 @ 1700**
Station Name	**020S008E14L001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV29-T2**

Station ID **361115121043601** *Sample Date* **5/21/2013 @ 1700**

Station Name **020S008E14L001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**21**			Naturally occurring
Specific Conductance, field	µS/cm	**608**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.5**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.3**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**51**			Naturally occurring
Magnesium	mg/L	**21.4**			Naturally occurring
Potassium	mg/L	**1.65**			Naturally occurring
Sodium	mg/L	**45.2**			Naturally occurring
Bromide	mg/L	**0.152**			Naturally occurring
Chloride	mg/L	**46.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.29**	2	MCL-CA	Naturally occurring
Silica	mg/L	**30.6**			Naturally occurring
Sulfate	mg/L	**87.2**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**157**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**390**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**216**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV29-T2**

Station ID **361115121043601** *Sample Date* **5/21/2013 @ 1700**

Station Name **020S008E14L001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**1.55**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.092**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.9**	10	MCL-US	Naturally occurring
Barium	µg/L	**42.7**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**180**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.056**	5	MCL-US	Naturally occurring
Copper	µg/L	**22**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**14.8**			Naturally occurring
Manganese	µg/L	**3.02**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**7.99**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.44**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.2**	50	MCL-US	Naturally occurring
Strontium	µg/L	**376**	4000	HBSL	Naturally occurring
Uranium	µg/L	**1.11**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.8**	50	NL-CA	Naturally occurring
Zinc	µg/L	**10.4**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
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E = estimated value
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MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV30-T1**
Station ID	**361753121094801**	***Sample Date***	**3/27/2013 @ 1320**
Station Name	**019S007E12C001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV30-T1**

Station ID **361753121094801** *Sample Date* **3/27/2013 @ 1320**

Station Name **019S007E12C001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**1060**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**95.6**			Naturally occurring
Magnesium	mg/L	**45.7**			Naturally occurring
Potassium	mg/L	**2.17**			Naturally occurring
Sodium	mg/L	**68.6**			Naturally occurring
Bromide	mg/L	**0.245**			Naturally occurring
Chloride	mg/L	**60.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.24**	2	MCL-CA	Naturally occurring
Silica	mg/L	**32**			Naturally occurring
Sulfate	mg/L	**224**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**212**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**733**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**427**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV30-T1**

Station ID **361753121094801** *Sample Date* **3/27/2013 @ 1320**

Station Name **019S007E12C001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	15.3	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.118**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**2.4**	10	MCL-US	Naturally occurring
Barium	µg/L	**33**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.011**	4	MCL-US	Naturally occurring
Boron	µg/L	**280**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.045**	5	MCL-US	Naturally occurring
Chromium	µg/L	**2.1**	50	MCL-CA	Naturally occurring
Copper	µg/L	**36.7**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**17.9**			Naturally occurring
Molybdenum	µg/L	**5.2**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.2**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**3.8**	50	MCL-US	Naturally occurring
Strontium	µg/L	**663**	4000	HBSL	Naturally occurring
Uranium	µg/L	**5.58**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**3.4**	50	NL-CA	Naturally occurring
Zinc	µg/L	**38.6**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV32-T1**

Station ID **363011121232201** ***Sample Date*** **5/2/2013 @ 1030**

Station Name **016S005E35B001M**

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV32-T1**

Station ID **363011121232201** ***Sample Date*** **5/2/2013 @ 1030**

Station Name **016S005E35B001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**20**			Naturally occurring
Specific Conductance, field	µS/cm	**1160**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**95.3**			Naturally occurring
Magnesium	mg/L	**39.3**			Naturally occurring
Potassium	mg/L	**4.68**			Naturally occurring
Sodium	mg/L	**86.5**			Naturally occurring
Bromide	mg/L	**0.667**			Naturally occurring
Chloride	mg/L	**208**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.42**	2	MCL-CA	Naturally occurring
Silica	mg/L	**24.8**			Naturally occurring
Sulfate	mg/L	**19.2**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**224**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**660**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**401**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV32-T1**

Station ID **363011121232201** *Sample Date* **5/2/2013 @ 1030**

Station Name **016S005E35B001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	11	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	**0.41**	10	MCL-US	Naturally occurring
Barium	µg/L	**136**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**38**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.027**	5	MCL-US	Naturally occurring
Chromium	µg/L	**0.73**	50	MCL-CA	Naturally occurring
Lithium	µg/L	**31.4**			Naturally occurring
Molybdenum	µg/L	**5.22**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.41**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.5**	50	MCL-US	Naturally occurring
Strontium	µg/L	**592**	4000	HBSL	Naturally occurring
Uranium	µg/L	**10.6**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**10.1**	50	NL-CA	Naturally occurring
Zinc	µg/L	**32.8**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
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E = estimated value
M = presence verified, but quantity uncertain
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AL-US = USEPA Action Level (r)
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NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV33-T1**
Station ID	**363818121334001**	***Sample Date***	**11/6/2012 @ 1110**
Station Name	**015S004E08N001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV33-T1**

Station ID **363818121334001** *Sample Date* **11/6/2012 @ 1110**

Station Name **015S004E08N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**23**			Naturally occurring
Specific Conductance, field	µS/cm	**584**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**4.8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**30.6**			Naturally occurring
Magnesium	mg/L	**14**			Naturally occurring
Potassium	mg/L	**2.47**			Naturally occurring
Sodium	mg/L	**73.7**			Naturally occurring
Bromide	mg/L	**E 0.133**			Naturally occurring
Chloride	mg/L	**64.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.82**	2	MCL-CA	Naturally occurring
Silica	mg/L	**38.2**			Naturally occurring
Sulfate	mg/L	**19.1**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**177**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**341**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**135**			Naturally occurring
3 Nutrients					

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NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
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Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV33-T1**

Station ID **363818121334001** *Sample Date* **11/6/2012 @ 1110**

Station Name **015S004E08N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**1.13**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**1.15**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.071**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.078**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**5.2**	10	MCL-US	Naturally occurring
Barium	µg/L	**31.9**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.01**	4	MCL-US	Naturally occurring
Boron	µg/L	**101**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.023**	5	MCL-US	Naturally occurring
Chromium	µg/L	**5.1**	50	MCL-CA	Naturally occurring
Lithium	µg/L	**29.1**			Naturally occurring
Molybdenum	µg/L	**6.26**	40	HBSL	Naturally occurring
Selenium	µg/L	**0.92**	50	MCL-US	Naturally occurring
Strontium	µg/L	**232**	4000	HBSL	Naturally occurring
Uranium	µg/L	**2.67**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**18**	50	NL-CA	Naturally occurring
Zinc	µg/L	**15.7**	5000	HBSL	Naturally occurring
5 Radioactivity					

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pCi/L = picocuries per liter
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SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV33-T1**

Station ID **363818121334001** *Sample Date* **11/6/2012 @ 1110**

Station Name **015S004E08N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Gross-alpha radioactivity, 72 hr count	pCi/L	**7.4**	15	MCL-US	Naturally occurring
Gross-beta radioactivity, 72 hr count	pCi/L	**2.41**	50	MCL-CA	Naturally occurring
Radon-222	pCi/L	**800**	300, 4000	P MCL-US	Naturally occurring
6 Volatile Organic Compounds		**None Detected**			
7 Pesticides and Pesticide Degradates		**None Detected**			
8 Geochemical and Age-Dating Tracers					
Carbon stable isotope ratio	per mil	**-13.97**			For dating ancient water
Carbon-14	percent modern	**59.01**			For dating ancient water
Hydrogen stable isotope ratio of water	per mil	**-45.5**			Info about recharge source area
Oxygen stable isotope ratio of water	per mil	**-6.78**			Info about recharge source area
9 Microbiological Constituents		**Not Sampled**			
10 Constituents of Special Interest					
Perchlorate	µg/L	**0.55**	6	MCL-CA	Natural, rocket fuel, fertilizer

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HBSL = Health-Based Screening Level
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SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV33-T2**

Station ID **364337121383501** ***Sample Date*** **4/15/2013 @ 1720**

Station Name **014S003E09K001M**

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV33-T2**

Station ID **364337121383501** ***Sample Date*** **4/15/2013 @ 1720**

Station Name **014S003E09K001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**1050**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**4.9**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**113**			Naturally occurring
Magnesium	mg/L	**23.4**			Naturally occurring
Potassium	mg/L	**1.39**			Naturally occurring
Sodium	mg/L	**68.7**			Naturally occurring
Bromide	mg/L	**1.71**			Naturally occurring
Chloride	mg/L	**100**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.26**	2	MCL-CA	Naturally occurring
Silica	mg/L	**27.6**			Naturally occurring
Sulfate	mg/L	**81.2**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**216**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**649**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**380**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV33-T2**

Station ID **364337121383501** *Sample Date* **4/15/2013 @ 1720**

Station Name **014S003E09K001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	28.4	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.17**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.32**	10	MCL-US	Naturally occurring
Barium	µg/L	**206**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.01**	4	MCL-US	Naturally occurring
Boron	µg/L	**54**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.017**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.2**	50	MCL-CA	Naturally occurring
Copper	µg/L	**6.3**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**13.1**			Naturally occurring
Manganese	µg/L	**0.78**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**1.23**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.7**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.27**	50	MCL-US	Naturally occurring
Strontium	µg/L	**544**	4000	HBSL	Naturally occurring
Uranium	µg/L	**8.99**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.2**	50	NL-CA	Naturally occurring

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SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV34-T1**
Station ID	**364721121405301**	***Sample Date***	**12/4/2012 @ 1220**
Station Name	**013S003E19G001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV34-T1**

Station ID **364721121405301** *Sample Date* **12/4/2012 @ 1220**

Station Name **013S003E19G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**14.5**			Naturally occurring
Specific Conductance, field	µS/cm	**293**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**11.7**			Naturally occurring
Magnesium	mg/L	**8.52**			Naturally occurring
Potassium	mg/L	**1.44**			Naturally occurring
Sodium	mg/L	**30.3**			Naturally occurring
Bromide	mg/L	**0.134**			Naturally occurring
Chloride	mg/L	**44.2**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.13**	2	MCL-CA	Naturally occurring
Silica	mg/L	**50.8**			Naturally occurring
Sulfate	mg/L	**3.68**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**55.8**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**187**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**64.5**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV34-T1**

Station ID **364721121405301** *Sample Date* **12/4/2012 @ 1220**

Station Name **013S003E19G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**3.81**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	**0.13**	10	MCL-US	Naturally occurring
Barium	µg/L	**39.4**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**24**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.046**	5	MCL-US	Naturally occurring
Chromium	µg/L	**2.2**	50	MCL-CA	Naturally occurring
Copper	µg/L	**93.7**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**49.5**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**2.36**			Naturally occurring
Manganese	µg/L	**11.6**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.09**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.6**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.41**	50	MCL-US	Naturally occurring
Strontium	µg/L	**109**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.015**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**4.2**	50	NL-CA	Naturally occurring
Zinc	µg/L	**16**	5000	HBSL	Naturally occurring

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SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV34-T2**
Station ID	**364902121384001**	***Sample Date***	**12/4/2012 @ 1500**
Station Name	**013S003E09G001M**		

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Nutrients: Nitrate plus nitrite, as nitrogen

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV34-T2**

Station ID **364902121384001** *Sample Date* **12/4/2012 @ 1500**

Station Name **013S003E09G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16**			Naturally occurring
Specific Conductance, field	µS/cm	**383**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**8.7**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**18.1**			Naturally occurring
Magnesium	mg/L	**11.4**			Naturally occurring
Potassium	mg/L	**1.2**			Naturally occurring
Sodium	mg/L	**36.4**			Naturally occurring
Bromide	mg/L	**0.136**			Naturally occurring
Chloride	mg/L	**44.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.14**	2	MCL-CA	Naturally occurring
Silica	mg/L	**16.5**			Naturally occurring
Sulfate	mg/L	**13.7**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**62.5**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**254**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**92.5**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV34-T2**

Station ID **364902121384001** *Sample Date* **12/4/2012 @ 1500**

Station Name **013S003E09G001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	10.9	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	**0.21**	10	MCL-US	Naturally occurring
Barium	µg/L	**53.6**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**21**	1000	HBSL	Naturally occurring
Chromium	µg/L	**9.2**	50	MCL-CA	Naturally occurring
Copper	µg/L	**27.2**	1300	MCL-US	Natural, pipe corrosion
Lead	µg/L	**2.13**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**2.25**			Naturally occurring
Manganese	µg/L	**2.46**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.116**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.9**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.53**	50	MCL-US	Naturally occurring
Strontium	µg/L	**182**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.009**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**7.8**	50	NL-CA	Naturally occurring
Zinc	µg/L	**30.8**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV35-T1**
Station ID	**364633121354801**	***Sample Date***	**4/15/2013 @ 1530**
Station Name	**013S003E35E001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV35-T1**

Station ID **364633121354801** *Sample Date* **4/15/2013 @ 1530**

Station Name **013S003E35E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**13**			Naturally occurring
Specific Conductance, field	µS/cm	**945**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.7**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**131**			Naturally occurring
Magnesium	mg/L	**24.7**			Naturally occurring
Potassium	mg/L	**1.43**			Naturally occurring
Sodium	mg/L	**41.4**			Naturally occurring
Bromide	mg/L	**3.12**			Naturally occurring
Chloride	mg/L	**68.8**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.39**	2	MCL-CA	Naturally occurring
Silica	mg/L	**18.7**			Naturally occurring
Sulfate	mg/L	**165**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**255**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**635**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**430**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV35-T1**

Station ID **364633121354801** *Sample Date* **4/15/2013 @ 1530**

Station Name **013S003E35E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.082**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.107**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.39**	10	MCL-US	Naturally occurring
Barium	µg/L	**286**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**43**	1000	HBSL	Naturally occurring
Copper	µg/L	**14.4**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**14.2**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**19.3**			Naturally occurring
Manganese	µg/L	**166**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**5.55**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.8**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.31**	50	MCL-US	Naturally occurring
Strontium	µg/L	**538**	4000	HBSL	Naturally occurring
Uranium	µg/L	**3.04**	30	MCL-US	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV35-T2**
Station ID	**364347121374201**	***Sample Date***	**4/15/2013 @ 1630**
Station Name	**014S003E10L001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV35-T2**

Station ID **364347121374201** *Sample Date* **4/15/2013 @ 1630**

Station Name **014S003E10L001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**964**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.3**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**7.8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**109**			Naturally occurring
Magnesium	mg/L	**22.6**			Naturally occurring
Potassium	mg/L	**1.87**			Naturally occurring
Sodium	mg/L	**48.6**			Naturally occurring
Bromide	mg/L	**1.98**			Naturally occurring
Chloride	mg/L	**69.3**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.25**	2	MCL-CA	Naturally occurring
Silica	mg/L	**26**			Naturally occurring
Sulfate	mg/L	**70.3**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**161**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**634**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**367**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV35-T2**

Station ID **364347121374201** *Sample Date* **4/15/2013 @ 1630**

Station Name **014S003E10L001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	42.6	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.094**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.37**	10	MCL-US	Naturally occurring
Barium	µg/L	**148**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**26**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.028**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.3**	50	MCL-CA	Naturally occurring
Copper	µg/L	**5.9**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**6.1**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**10.5**			Naturally occurring
Manganese	µg/L	**3.98**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**1.47**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.46**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.46**	50	MCL-US	Naturally occurring
Strontium	µg/L	**573**	4000	HBSL	Naturally occurring
Uranium	µg/L	**11.9**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.2**	50	NL-CA	Naturally occurring
Zinc	µg/L	**25.1**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV36-T1**
Station ID	**364034121331601**	***Sample Date***	**12/5/2012 @ 1530**
Station Name	**014S004E32C001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen; Trace Elements: Arsenic

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV36-T1**

Station ID **364034121331601** *Sample Date* **12/5/2012 @ 1530**

Station Name **014S004E32C001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**14.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1120**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**9.5**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**72.2**			Naturally occurring
Magnesium	mg/L	**36.4**			Naturally occurring
Potassium	mg/L	**2.07**			Naturally occurring
Sodium	mg/L	**99.2**			Naturally occurring
Bromide	mg/L	**0.53**			Naturally occurring
Chloride	mg/L	**190**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**1.55**	2	MCL-CA	Naturally occurring
Silica	mg/L	**44.3**			Naturally occurring
Sulfate	mg/L	**22.1**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**178**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**629**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**331**			Naturally occurring
3 Nutrients					

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
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M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV36-T1**

Station ID **364034121331601** *Sample Date* **12/5/2012 @ 1530**

Station Name **014S004E32C001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	21.1	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	0.109	6	MCL-US	Naturally occurring
Arsenic	µg/L	18.8	10	MCL-US	Naturally occurring
Barium	µg/L	42.1	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	0.008	4	MCL-US	Naturally occurring
Boron	µg/L	107	1000	HBSL	Naturally occurring
Cadmium	µg/L	0.036	5	MCL-US	Naturally occurring
Copper	µg/L	3.5	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	11.5	300	SMCL-CA	Naturally occurring
Lithium	µg/L	59.7			Naturally occurring
Manganese	µg/L	6.8	50	HBSL	Naturally occurring
Molybdenum	µg/L	11.8	40	HBSL	Naturally occurring
Nickel	µg/L	1.2	100	MCL-CA	Naturally occurring
Selenium	µg/L	0.93	50	MCL-US	Naturally occurring
Strontium	µg/L	284	4000	HBSL	Naturally occurring
Tungsten	µg/L	0.184			Naturally occurring
Uranium	µg/L	3.93	30	MCL-US	Naturally occurring
Vanadium	µg/L	9.8	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
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pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV36-T1**

Station ID **364034121331601** ***Sample Date*** **12/5/2012 @ 1530**

Station Name **014S004E32C001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*	*Typical Use or Source*
Zinc	µg/L	**536**	5000 HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV36-T2**
Station ID	**364317121354001**	***Sample Date***	**12/6/2012 @ 1340**
Station Name	**014S003E13C001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV36-T2**

Station ID **364317121354001** *Sample Date* **12/6/2012 @ 1340**

Station Name **014S003E13C001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15**			Naturally occurring
Specific Conductance, field	µS/cm	**1520**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**109**			Naturally occurring
Magnesium	mg/L	**44.1**			Naturally occurring
Potassium	mg/L	**1.84**			Naturally occurring
Sodium	mg/L	**112**			Naturally occurring
Bromide	mg/L	**0.935**			Naturally occurring
Chloride	mg/L	**390**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.28**	2	MCL-CA	Naturally occurring
Silica	mg/L	**52.1**			Naturally occurring
Sulfate	mg/L	**6.9**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**130**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**857**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**456**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV36-T2**

Station ID **364317121354001** *Sample Date* **12/6/2012 @ 1340**

Station Name **014S003E13C001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**5.23**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.054**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.71**	10	MCL-US	Naturally occurring
Barium	µg/L	**92.7**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**34**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.03**	5	MCL-US	Naturally occurring
Copper	µg/L	**17.9**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**20**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**41.6**			Naturally occurring
Manganese	µg/L	**12.7**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**2.27**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.92**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.68**	50	MCL-US	Naturally occurring
Strontium	µg/L	**685**	4000	HBSL	Naturally occurring
Uranium	µg/L	**2.67**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**4.8**	50	NL-CA	Naturally occurring
Zinc	µg/L	**145**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV37-T1**
Station ID	**363158121242801**	***Sample Date***	**4/30/2013 @ 1500**
Station Name	**016S005E22B001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory(r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV37-T1**

Station ID **363158121242801** *Sample Date* **4/30/2013 @ 1500**

Station Name **016S005E22B001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**21**			Naturally occurring
Specific Conductance, field	µS/cm	**700**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**8.6**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**38.8**			Naturally occurring
Magnesium	mg/L	**22.7**			Naturally occurring
Potassium	mg/L	**2.76**			Naturally occurring
Sodium	mg/L	**77.2**			Naturally occurring
Bromide	mg/L	**0.313**			Naturally occurring
Chloride	mg/L	**85.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.83**	2	MCL-CA	Naturally occurring
Silica	mg/L	**30.7**			Naturally occurring
Sulfate	mg/L	**12.8**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**195**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**409**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**190**			Naturally occurring
3 Nutrients					

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV37-T1**

Station ID **363158121242801** *Sample Date* **4/30/2013 @ 1500**

Station Name **016S005E22B001M**

Constituent Name	*Units*	*Value*	*Benchmark Value*	*and Type*	*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**5.79**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	**0.59**	10	MCL-US	Naturally occurring
Barium	µg/L	**43.6**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**75**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.034**	5	MCL-US	Naturally occurring
Copper	µg/L	**3.4**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**7.8**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**25.8**			Naturally occurring
Manganese	µg/L	**0.91**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**6.13**	40	HBSL	Naturally occurring
Selenium	µg/L	**1.3**	50	MCL-US	Naturally occurring
Strontium	µg/L	**264**	4000	HBSL	Naturally occurring
Uranium	µg/L	**2.63**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**11.5**	50	NL-CA	Naturally occurring
Zinc	µg/L	**19.3**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
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pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV40-T1**
Station ID	**353236120200501**	***Sample Date***	**4/10/2013 @ 1520**
Station Name	**027S015E26N001M**		

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None.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV40-T1**

Station ID **353236120200501** *Sample Date* **4/10/2013 @ 1520**

Station Name **027S015E26N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**14.5**			Naturally occurring
Specific Conductance, field	µS/cm	**553**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.5**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**E 11.1**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**75.9**			Naturally occurring
Magnesium	mg/L	**13.5**			Naturally occurring
Potassium	mg/L	**2.21**			Naturally occurring
Sodium	mg/L	**27.7**			Naturally occurring
Bromide	mg/L	**0.081**			Naturally occurring
Chloride	mg/L	**18.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.12**	2	MCL-CA	Naturally occurring
Silica	mg/L	**36.7**			Naturally occurring
Sulfate	mg/L	**37.7**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**196**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**353**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**246**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV40-T1**

Station ID **353236120200501** ***Sample Date*** **4/10/2013 @ 1520**

Station Name **027S015E26N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**9.26**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.048**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.92**	10	MCL-US	Naturally occurring
Barium	µg/L	**36**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**78**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**1.99**	5	MCL-US	Naturally occurring
Chromium	µg/L	**0.88**	50	MCL-CA	Naturally occurring
Lead	µg/L	**1.59**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**17.9**			Naturally occurring
Molybdenum	µg/L	**3.04**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.68**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.7**	50	MCL-US	Naturally occurring
Strontium	µg/L	**421**	4000	HBSL	Naturally occurring
Uranium	µg/L	**4.36**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**3.5**	50	NL-CA	Naturally occurring
Zinc	µg/L	**412**	5000	HBSL	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV01**
Station ID	**353151120403801**	***Sample Date***	**11/8/2012 @ 850**
Station Name	**027S012E33R001M**		

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None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

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µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV01**

Station ID **353151120403801** ***Sample Date*** **11/8/2012 @ 850**

Station Name **027S012E33R001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15.5**			Naturally occurring
Specific Conductance, field	µS/cm	**783**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.5**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**94.5**			Naturally occurring
Magnesium	mg/L	**31.8**			Naturally occurring
Potassium	mg/L	**1.18**			Naturally occurring
Sodium	mg/L	**22**			Naturally occurring
Bromide	mg/L	**0.209**			Naturally occurring
Chloride	mg/L	**77.3**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.24**	2	MCL-CA	Naturally occurring
Silica	mg/L	**45.1**			Naturally occurring
Sulfate	mg/L	**31.2**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**238**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**474**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**367**			Naturally occurring
3 Nutrients					

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV01**

Station ID **353151120403801** *Sample Date* **11/8/2012 @ 850**

Station Name **027S012E33R001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**E 7.26**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**7.42**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.015**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.056**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**4.1**	10	MCL-US	Naturally occurring
Barium	µg/L	**296**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**33**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.022**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1**	50	MCL-CA	Naturally occurring
Lithium	µg/L	**13.7**			Naturally occurring
Molybdenum	µg/L	**3.15**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.54**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.7**	50	MCL-US	Naturally occurring
Strontium	µg/L	**492**	4000	HBSL	Naturally occurring
Uranium	µg/L	**2.94**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**14.6**	50	NL-CA	Naturally occurring
Zinc	µg/L	**7**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV03**
Station ID	**363332121415701**	***Sample Date***	**10/31/2012 @ 1400**
Station Name	**016S002E12B001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Trace Elements: Arsenic

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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Central Coast Regional Water Board
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matt.keeling@waterboards.ca.gov

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV03**

Station ID **363332121415701** *Sample Date* **10/31/2012 @ 1400**

Station Name **016S002E12B001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1110**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**5.6**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**69**			Naturally occurring
Magnesium	mg/L	**22.7**			Naturally occurring
Potassium	mg/L	**2.69**			Naturally occurring
Sodium	mg/L	**126**			Naturally occurring
Bromide	mg/L	**0.506**			Naturally occurring
Chloride	mg/L	**203**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.12**	2	MCL-CA	Naturally occurring
Silica	mg/L	**42.5**			Naturally occurring
Sulfate	mg/L	**21.4**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**226**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**610**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**266**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV03**

Station ID **363332121415701** *Sample Date* **10/31/2012 @ 1400**

Station Name **016S002E12B001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**3.49**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**3.48**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.172**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.036**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**20.5**	10	MCL-US	Naturally occurring
Barium	µg/L	**38.4**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**72**	1000	HBSL	Naturally occurring
Copper	µg/L	**157**	1300	MCL-US	Natural, pipe corrosion
Lead	µg/L	**0.836**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**64.6**			Naturally occurring
Manganese	µg/L	**0.74**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**2.81**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.55**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.5**	50	MCL-US	Naturally occurring
Strontium	µg/L	**376**	4000	HBSL	Naturally occurring
Tungsten	µg/L	**0.115**			Naturally occurring
Uranium	µg/L	**2.19**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**8.1**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV03**

Station ID **363332121415701** ***Sample Date*** **10/31/2012 @ 1400**

Station Name **016S002E12B001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Zinc	µg/L	**41.9**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV04**

Station ID **363418121425001** ***Sample Date*** **10/29/2012 @ 1510**

Station Name **016S002E02G002M**

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: pH, field; Trace Elements: Arsenic

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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Matthew Keeling,
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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV04**

Station ID **363418121425001** *Sample Date* **10/29/2012 @ 1510**

Station Name **016S002E02G002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15**			Naturally occurring
Specific Conductance, field	µS/cm	**728**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**2.1**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**30.2**			Naturally occurring
Magnesium	mg/L	**16.6**			Naturally occurring
Potassium	mg/L	**2.59**			Naturally occurring
Sodium	mg/L	**88.5**			Naturally occurring
Bromide	mg/L	**0.398**			Naturally occurring
Chloride	mg/L	**147**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.34**	2	MCL-CA	Naturally occurring
Silica	mg/L	**57.3**			Naturally occurring
Sulfate	mg/L	**21.9**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**103**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**444**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**144**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV04**

Station ID **363418121425001** *Sample Date* **10/29/2012 @ 1510**

Station Name **016S002E02G002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrite, as nitrogen	mg/L	**0.006**	1	MCL-US	Natural, fertilizer, sewage
Nitrate plus nitrite, as nitrogen	mg/L	**2.22**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**2.26**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.63**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.065**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**30.6**	10	MCL-US	Naturally occurring
Barium	µg/L	**52.1**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.021**	4	MCL-US	Naturally occurring
Boron	µg/L	**65**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.061**	5	MCL-US	Naturally occurring
Copper	µg/L	**2.4**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**312**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**28.8**			Naturally occurring
Manganese	µg/L	**241**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**2.68**	40	HBSL	Naturally occurring
Nickel	µg/L	**4.2**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.81**	50	MCL-US	Naturally occurring
Strontium	µg/L	**207**	4000	HBSL	Naturally occurring

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pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV04**

Station ID **363418121425001** ***Sample Date*** **10/29/2012 @ 1510**

Station Name **016S002E02G002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Uranium	µg/L	**0.023**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.6**	50	NL-CA	Naturally occurring
Zinc	µg/L	**9.6**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV05**
Station ID	**363437121481201**	***Sample Date***	**10/30/2012 @ 1030**
Station Name	**015S001E36Q001M**		

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Field Water Quality Indicators: pH, field

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV05**

Station ID **363437121481201** ***Sample Date*** **10/30/2012 @ 1030**

Station Name **015S001E36Q001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16**			Naturally occurring
Specific Conductance, field	µS/cm	**1240**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.5**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**2.5**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**34.4**			Naturally occurring
Magnesium	mg/L	**27.6**			Naturally occurring
Potassium	mg/L	**4**			Naturally occurring
Sodium	mg/L	**154**			Naturally occurring
Bromide	mg/L	**E 0.898**			Naturally occurring
Chloride	mg/L	**318**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.19**	2	MCL-CA	Naturally occurring
Silica	mg/L	**54.5**			Naturally occurring
Sulfate	mg/L	**31.3**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**62.6**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**738**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**200**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV05**

Station ID **363437121481201** *Sample Date* **10/30/2012 @ 1030**

Station Name **015S001E36Q001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**1.17**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**1.25**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.152**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.058**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.3**	10	MCL-US	Naturally occurring
Barium	µg/L	**111**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**82**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**1.32**	5	MCL-US	Naturally occurring
Copper	µg/L	**3.1**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**103**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**15.5**			Naturally occurring
Manganese	µg/L	**15.8**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**13.7**	40	HBSL	Naturally occurring
Nickel	µg/L	**12.2**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**12.6**	50	MCL-US	Naturally occurring
Strontium	µg/L	**290**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.045**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.6**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
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pCi/L = picocuries per liter
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M = presence verified, but quantity uncertain
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV05**

Station ID **363437121481201** ***Sample Date*** **10/30/2012 @ 1030**

Station Name **015S001E36Q001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Zinc	µg/L	**28.2**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV07**
Station ID	**364356121464701**	***Sample Date***	**11/8/2012 @ 1020**
Station Name	**014S002E07H001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Chloride, Total dissolved solids (TDS)

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV07**

Station ID **364356121464701** *Sample Date* **11/8/2012 @ 1020**

Station Name **014S002E07H001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**17**			Naturally occurring
Specific Conductance, field	µS/cm	**2380**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.6**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**0.9**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**169**			Naturally occurring
Magnesium	mg/L	**63.9**			Naturally occurring
Potassium	mg/L	**4.49**			Naturally occurring
Sodium	mg/L	**206**			Naturally occurring
Bromide	mg/L	**E 1.99**			Naturally occurring
Chloride	mg/L	**619**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.18**	2	MCL-CA	Naturally occurring
Silica	mg/L	**34.9**			Naturally occurring
Sulfate	mg/L	**106**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**150**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1410**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**687**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV07**

Station ID **364356121464701** *Sample Date* **11/8/2012 @ 1020**

Station Name **014S002E07H001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.497**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**0.48**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.014**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.067**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**2.5**	10	MCL-US	Naturally occurring
Barium	µg/L	**88**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**102**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.091**	5	MCL-US	Naturally occurring
Copper	µg/L	**2.4**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**18.9**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**33.1**			Naturally occurring
Manganese	µg/L	**9.57**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**5.15**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.63**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.83**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1210**	4000	HBSL	Naturally occurring
Uranium	µg/L	**3.45**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**12**	50	NL-CA	Naturally occurring

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µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
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MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV08**

Station ID **363951121420201** ***Sample Date*** **11/5/2012 @ 910**

Station Name **014S002E36P001M**

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV08**

Station ID **363951121420201** *Sample Date* **11/5/2012 @ 910**

Station Name **014S002E36P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1210**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.3**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**2**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**137**			Naturally occurring
Magnesium	mg/L	**34.5**			Naturally occurring
Potassium	mg/L	**4.72**			Naturally occurring
Sodium	mg/L	**69.7**			Naturally occurring
Bromide	mg/L	**0.293**			Naturally occurring
Chloride	mg/L	**69**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.14**	2	MCL-CA	Naturally occurring
Silica	mg/L	**38.6**			Naturally occurring
Sulfate	mg/L	**252**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**252**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**771**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**484**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV08**

Station ID **363951121420201** *Sample Date* **11/5/2012 @ 910**

Station Name **014S002E36P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.347**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**0.29**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.017**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.061**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.2**	10	MCL-US	Naturally occurring
Barium	µg/L	**50.2**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**168**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.08**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.4**	50	MCL-CA	Naturally occurring
Iron	µg/L	**10.6**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**20.3**			Naturally occurring
Manganese	µg/L	**1.34**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**4.55**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.88**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.2**	50	MCL-US	Naturally occurring
Strontium	µg/L	**754**	4000	HBSL	Naturally occurring
Uranium	µg/L	**11.2**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**5.1**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV08**

Station ID **363951121420201** ***Sample Date*** **11/5/2012 @ 910**

Station Name **014S002E36P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Zinc	µg/L	**27.4**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV09**
Station ID	**363507121380601**	***Sample Date***	**10/29/2012 @ 1030**
Station Name	**015S003E34E001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV09**

Station ID **363507121380601** *Sample Date* **10/29/2012 @ 1030**

Station Name **015S003E34E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1260**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**77.3**			Naturally occurring
Magnesium	mg/L	**23.9**			Naturally occurring
Potassium	mg/L	**1.76**			Naturally occurring
Sodium	mg/L	**135**			Naturally occurring
Bromide	mg/L	**0.641**			Naturally occurring
Chloride	mg/L	**255**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.19**	2	MCL-CA	Naturally occurring
Silica	mg/L	**42.1**			Naturally occurring
Sulfate	mg/L	**52.9**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**107**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**743**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**292**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV09**

Station ID **363507121380601** *Sample Date* **10/29/2012 @ 1030**

Station Name **015S003E34E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**18.7**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**33.2**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.013**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.029**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.14**	10	MCL-US	Naturally occurring
Barium	µg/L	**33.6**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.011**	4	MCL-US	Naturally occurring
Boron	µg/L	**37**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.017**	5	MCL-US	Naturally occurring
Copper	µg/L	**3.4**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**30.5**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**76.3**			Naturally occurring
Manganese	µg/L	**6.34**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**1.61**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.4**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**2.6**	50	MCL-US	Naturally occurring
Strontium	µg/L	**368**	4000	HBSL	Naturally occurring
Uranium	µg/L	**5.86**	30	MCL-US	Naturally occurring

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pCi/L = picocuries per liter
E = estimated value
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NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV09**

Station ID **363507121380601** ***Sample Date*** **10/29/2012 @ 1030**

Station Name **015S003E34E001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Vanadium	µg/L	**0.58**	50	NL-CA	Naturally occurring
Zinc	µg/L	**22.3**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV11**
Station ID	**361910121184801**	***Sample Date***	**11/6/2012 @ 940**
Station Name	**018S006E34M001M**		

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None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV11**

Station ID **361910121184801** *Sample Date* **11/6/2012 @ 940**

Station Name **018S006E34M001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18**			Naturally occurring
Specific Conductance, field	µS/cm	**381**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.6**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.7**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**54.7**			Naturally occurring
Magnesium	mg/L	**12.9**			Naturally occurring
Potassium	mg/L	**2.52**			Naturally occurring
Sodium	mg/L	**18.3**			Naturally occurring
Bromide	mg/L	**0.035**			Naturally occurring
Chloride	mg/L	**8.56**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.2**	2	MCL-CA	Naturally occurring
Silica	mg/L	**24.3**			Naturally occurring
Sulfate	mg/L	**72.5**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**136**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**279**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**190**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV11**

Station ID **361910121184801** *Sample Date* **11/6/2012 @ 940**

Station Name **018S006E34M001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**0.278**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**0.26**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.015**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.059**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.59**	10	MCL-US	Naturally occurring
Barium	µg/L	**42.3**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**21**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.059**	5	MCL-US	Naturally occurring
Chromium	µg/L	**0.65**	50	MCL-CA	Naturally occurring
Iron	µg/L	**23.4**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**5.99**			Naturally occurring
Manganese	µg/L	**6.26**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**6.74**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.4**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.69**	50	MCL-US	Naturally occurring
Strontium	µg/L	**232**	4000	HBSL	Naturally occurring
Tungsten	µg/L	**0.251**			Naturally occurring
Uranium	µg/L	**2.3**	30	MCL-US	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV11**

Station ID **361910121184801** ***Sample Date*** **11/6/2012 @ 940**

Station Name **018S006E34M001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Vanadium	µg/L	**1.7**	50	NL-CA	Naturally occurring
Zinc	µg/L	**9.9**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV12**
Station ID	**360831121061901**	***Sample Date***	**11/7/2012 @ 1150**
Station Name	**020S008E33Q001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Trace Elements: Arsenic

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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Central Coast Regional Water Board
(805) 549-3685
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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV12**

Station ID **360831121061901** ***Sample Date*** **11/7/2012 @ 1150**

Station Name **020S008E33Q001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**20.5**			Naturally occurring
Specific Conductance, field	µS/cm	**714**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.6**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.9**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**63.7**			Naturally occurring
Magnesium	mg/L	**15.6**			Naturally occurring
Potassium	mg/L	**2.4**			Naturally occurring
Sodium	mg/L	**65**			Naturally occurring
Bromide	mg/L	**E 0.197**			Naturally occurring
Chloride	mg/L	**69.2**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.12**	2	MCL-CA	Naturally occurring
Silica	mg/L	**43.7**			Naturally occurring
Sulfate	mg/L	**87.7**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**154**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**460**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**223**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV12**

Station ID **360831121061901** *Sample Date* **11/7/2012 @ 1150**

Station Name **020S008E33Q001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**4.79**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**4.91**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.02**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.09**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**23.1**	10	MCL-US	Naturally occurring
Barium	µg/L	**137**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**103**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.628**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.8**	50	MCL-CA	Naturally occurring
Copper	µg/L	**4**	1300	MCL-US	Natural, pipe corrosion
Lead	µg/L	**1.47**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**10.8**			Naturally occurring
Molybdenum	µg/L	**5.65**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.6**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**3.5**	50	MCL-US	Naturally occurring
Strontium	µg/L	**170**	4000	HBSL	Naturally occurring
Uranium	µg/L	**3.27**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**10**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV12**

Station ID **360831121061901** ***Sample Date*** **11/7/2012 @ 1150**

Station Name **020S008E33Q001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Zinc	µg/L	**22.2**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV15**
Station ID	**360024120550501**	***Sample Date***	**11/27/2012 @ 1020**
Station Name	**022S010E20C001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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Dara Goldrath, Hydrologist
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dgold@usgs.gov

Matthew Keeling,
Central Coast Regional Water Board
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matt.keeling@waterboards.ca.gov

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV15**

Station ID **360024120550501** *Sample Date* **11/27/2012 @ 1020**

Station Name **022S010E20C001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**14**			Naturally occurring
Specific Conductance, field	µS/cm	**652**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.9**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**7.9**			Naturally occurring
2 Major and Minor Ions		**Not Sampled**			
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**1.02**	10	MCL-US	Natural, fertilizer, sewage
4 Trace Elements		**Not Sampled**			

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV17**
Station ID	**362335121215301**	***Sample Date***	**11/26/2012 @ 1300**
Station Name	**018S006E06M002M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV17**

Station ID **362335121215301** ***Sample Date*** **11/26/2012 @ 1300**

Station Name **018S006E06M002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**15.5**			Naturally occurring
Specific Conductance, field	µS/cm	**519**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.6**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**8.3**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**55.7**			Naturally occurring
Magnesium	mg/L	**13.7**			Naturally occurring
Potassium	mg/L	**3.18**			Naturally occurring
Sodium	mg/L	**32.6**			Naturally occurring
Bromide	mg/L	**0.094**			Naturally occurring
Chloride	mg/L	**33.4**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.27**	2	MCL-CA	Naturally occurring
Silica	mg/L	**32.7**			Naturally occurring
Sulfate	mg/L	**69.9**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**137**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**346**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**196**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV17**

Station ID **362335121215301** ***Sample Date*** **11/26/2012 @ 1300**

Station Name **018S006E06M002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**2.48**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**2.5**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.022**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.061**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.83**	10	MCL-US	Naturally occurring
Barium	µg/L	**47.3**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**101**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.066**	5	MCL-US	Naturally occurring
Chromium	µg/L	**2.1**	50	MCL-CA	Naturally occurring
Lithium	µg/L	**8.85**			Naturally occurring
Molybdenum	µg/L	**5.67**	40	HBSL	Naturally occurring
Selenium	µg/L	**1.6**	50	MCL-US	Naturally occurring
Strontium	µg/L	**296**	4000	HBSL	Naturally occurring
Uranium	µg/L	**3.12**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**3.6**	50	NL-CA	Naturally occurring
Zinc	µg/L	**10.3**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV19**

Station ID **363953121405001** ***Sample Date*** **10/30/2012 @ 1430**

Station Name **014S003E31P001M**

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV19**

Station ID **363953121405001** *Sample Date* **10/30/2012 @ 1430**

Station Name **014S003E31P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18.5**			Naturally occurring
Specific Conductance, field	µS/cm	**705**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.8**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**6.6**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**81.7**			Naturally occurring
Magnesium	mg/L	**24.2**			Naturally occurring
Potassium	mg/L	**3.92**			Naturally occurring
Sodium	mg/L	**39.6**			Naturally occurring
Bromide	mg/L	**0.135**			Naturally occurring
Chloride	mg/L	**34.1**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.13**	2	MCL-CA	Naturally occurring
Silica	mg/L	**32.7**			Naturally occurring
Sulfate	mg/L	**143**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**183**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**471**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**304**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV19**

Station ID **363953121405001** *Sample Date* **10/30/2012 @ 1430**

Station Name **014S003E31P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Orthophosphate, as phosphorus	mg/L	**0.007**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.06**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.33**	10	MCL-US	Naturally occurring
Barium	µg/L	**60.4**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**85**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.154**	5	MCL-US	Naturally occurring
Copper	µg/L	**5.9**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**21.1**	300	SMCL-CA	Naturally occurring
Lead	µg/L	**2.19**	15	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**17.9**			Naturally occurring
Manganese	µg/L	**2.25**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**6.07**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.57**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.2**	50	MCL-US	Naturally occurring
Strontium	µg/L	**451**	4000	HBSL	Naturally occurring
Uranium	µg/L	**6.03**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**1.1**	50	NL-CA	Naturally occurring
Zinc	µg/L	**22.3**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV20**
Station ID	**364117121411401**	***Sample Date***	**11/5/2012 @ 1410**
Station Name	**014S003E30E004M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen; Radioactivity: Gross-alpha radioactivity, 72 hr count

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV20**

Station ID **364117121411401** ***Sample Date*** **11/5/2012 @ 1410**

Station Name **014S003E30E004M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**23.5**			Naturally occurring
Specific Conductance, field	µS/cm	**1560**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**2.9**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**160**			Naturally occurring
Magnesium	mg/L	**52.4**			Naturally occurring
Potassium	mg/L	**5.58**			Naturally occurring
Sodium	mg/L	**111**			Naturally occurring
Bromide	mg/L	**0.602**			Naturally occurring
Chloride	mg/L	**222**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.17**	2	MCL-CA	Naturally occurring
Silica	mg/L	**40.6**			Naturally occurring
Sulfate	mg/L	**117**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**372**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**965**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**617**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV20**

Station ID **364117121411401** *Sample Date* **11/5/2012 @ 1410**

Station Name **014S003E30E004M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrite, as nitrogen	mg/L	**0.01**	1	MCL-US	Natural, fertilizer, sewage
Nitrate plus nitrite, as nitrogen	mg/L	**9.78**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**20.5**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.016**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.045**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.86**	10	MCL-US	Naturally occurring
Barium	µg/L	**85.8**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**526**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.017**	5	MCL-US	Naturally occurring
Chromium	µg/L	**1.9**	50	MCL-CA	Naturally occurring
Lithium	µg/L	**38.8**			Naturally occurring
Manganese	µg/L	**2.21**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**2.58**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.74**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**6.3**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1200**	4000	HBSL	Naturally occurring
Uranium	µg/L	**21.6**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**6.5**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV20**

Station ID **364117121411401** ***Sample Date*** **11/5/2012 @ 1410**

Station Name **014S003E30E004M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Zinc	µg/L	**41.5**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV21**
Station ID	**364555121434301**	***Sample Date***	**11/5/2012 @ 1440**
Station Name	**013S002E34A001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: pH, field, Specific Conductance, field; Major and Minor Ions: Chloride, Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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Matthew Keeling,
Central Coast Regional Water Board
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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV21**

Station ID **364555121434301** *Sample Date* **11/5/2012 @ 1440**

Station Name **013S002E34A001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16**			Naturally occurring
Specific Conductance, field	µS/cm	**2740**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**193**			Naturally occurring
Magnesium	mg/L	**135**			Naturally occurring
Potassium	mg/L	**4.59**			Naturally occurring
Sodium	mg/L	**159**			Naturally occurring
Bromide	mg/L	**1.87**			Naturally occurring
Chloride	mg/L	**857**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.06**	2	MCL-CA	Naturally occurring
Silica	mg/L	**48.5**			Naturally occurring
Sulfate	mg/L	**26.4**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**90.9**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**1710**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**1040**			Naturally occurring
3 Nutrients					
Nitrite, as nitrogen	mg/L	**0.002**	1	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV21**

Station ID **364555121434301** *Sample Date* **11/5/2012 @ 1440**

Station Name **013S002E34A001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**11.4**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**23.2**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.019**			Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	**0.28**	10	MCL-US	Naturally occurring
Barium	µg/L	**270**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**31**	1000	HBSL	Naturally occurring
Chromium	µg/L	**2.4**	50	MCL-CA	Naturally occurring
Iron	µg/L	**22.6**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**10.6**			Naturally occurring
Manganese	µg/L	**31.3**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**0.611**	40	HBSL	Naturally occurring
Nickel	µg/L	**5.1**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**3.6**	50	MCL-US	Naturally occurring
Strontium	µg/L	**1510**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.336**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**2.5**	50	NL-CA	Naturally occurring
Zinc	µg/L	**8**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV24**
Station ID	**361941121153701**	***Sample Date***	**11/6/2012 @ 1340**
Station Name	**018S007E31D001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV24**

Station ID **361941121153701** ***Sample Date*** **11/6/2012 @ 1340**

Station Name **018S007E31D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**23**			Naturally occurring
Specific Conductance, field	µS/cm	**630**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.5**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**1.8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**52.6**			Naturally occurring
Magnesium	mg/L	**29.3**			Naturally occurring
Potassium	mg/L	**2.6**			Naturally occurring
Sodium	mg/L	**55.2**			Naturally occurring
Bromide	mg/L	**0.12**			Naturally occurring
Chloride	mg/L	**35.7**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.26**	2	MCL-CA	Naturally occurring
Silica	mg/L	**42.4**			Naturally occurring
Sulfate	mg/L	**126**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**185**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**452**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**252**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV24**

Station ID **361941121153701** *Sample Date* **11/6/2012 @ 1340**

Station Name **018S007E31D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrite, as nitrogen	mg/L	**0.004**	1	MCL-US	Natural, fertilizer, sewage
Nitrate plus nitrite, as nitrogen	mg/L	**0.216**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**0.21**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.012**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.052**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.5**	10	MCL-US	Naturally occurring
Barium	µg/L	**31.7**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.01**	4	MCL-US	Naturally occurring
Boron	µg/L	**270**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.071**	5	MCL-US	Naturally occurring
Chromium	µg/L	**3.9**	50	MCL-CA	Naturally occurring
Iron	µg/L	**25.2**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**32.8**			Naturally occurring
Manganese	µg/L	**1.73**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**24.8**	40	HBSL	Naturally occurring
Selenium	µg/L	**0.81**	50	MCL-US	Naturally occurring
Strontium	µg/L	**446**	4000	HBSL	Naturally occurring
Uranium	µg/L	**8.03**	30	MCL-US	Naturally occurring

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV24**

Station ID **361941121153701** ***Sample Date*** **11/6/2012 @ 1340**

Station Name **018S007E31D001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Vanadium	µg/L	**15.4**	50	NL-CA	Naturally occurring
Zinc	µg/L	**52.5**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV33**
Station ID	**364601121411901**	***Sample Date***	**11/5/2012 @ 840**
Station Name	**013S003E30N001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV33**

Station ID **364601121411901** *Sample Date* **11/5/2012 @ 840**

Station Name **013S003E30N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**19**			Naturally occurring
Specific Conductance, field	µS/cm	**438**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.8**	6.5 - 8.5	SMCL-US	Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**15.8**			Naturally occurring
Magnesium	mg/L	**12.5**			Naturally occurring
Potassium	mg/L	**1.53**			Naturally occurring
Sodium	mg/L	**56.5**			Naturally occurring
Bromide	mg/L	**0.285**			Naturally occurring
Chloride	mg/L	**95.3**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.17**	2	MCL-CA	Naturally occurring
Silica	mg/L	**58.1**			Naturally occurring
Sulfate	mg/L	**7.07**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**69**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**301**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**91**			Naturally occurring
3 Nutrients					
Nitrate plus nitrite, as nitrogen	mg/L	**1.1**	10	MCL-US	Natural, fertilizer, sewage

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV33**

Station ID **364601121411901** *Sample Date* **11/5/2012 @ 840**

Station Name **013S003E30N001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**1.13**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.171**			Natural, fertilizer, sewage
4 Trace Elements					
Arsenic	µg/L	**0.35**	10	MCL-US	Naturally occurring
Barium	µg/L	**43.1**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**36**	1000	HBSL	Naturally occurring
Chromium	µg/L	**14.9**	50	MCL-CA	Naturally occurring
Copper	µg/L	**4.7**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**8.2**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**8.45**			Naturally occurring
Molybdenum	µg/L	**0.564**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.4**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**1.1**	50	MCL-US	Naturally occurring
Strontium	µg/L	**124**	4000	HBSL	Naturally occurring
Uranium	µg/L	**0.033**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**8.6**	50	NL-CA	Naturally occurring
Zinc	µg/L	**8.6**	5000	HBSL	Naturally occurring

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E = estimated value
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HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV34**
Station ID	**364944121384101**	***Sample Date***	**11/7/2012 @ 920**
Station Name	**013S003E04K002M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV34**

Station ID **364944121384101** *Sample Date* **11/7/2012 @ 920**

Station Name **013S003E04K002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16**			Naturally occurring
Specific Conductance, field	µS/cm	**386**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.4**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**1.4**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**19**			Naturally occurring
Magnesium	mg/L	**10.4**			Naturally occurring
Potassium	mg/L	**2.34**			Naturally occurring
Sodium	mg/L	**53.4**			Naturally occurring
Bromide	mg/L	**0.213**			Naturally occurring
Chloride	mg/L	**71**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.22**	2	MCL-CA	Naturally occurring
Silica	mg/L	**46.6**			Naturally occurring
Sulfate	mg/L	**7.68**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**101**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**273**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**90.7**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV34**

Station ID **364944121384101** *Sample Date* **11/7/2012 @ 920**

Station Name **013S003E04K002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrite, as nitrogen	mg/L	**0.002**	1	MCL-US	Natural, fertilizer, sewage
Nitrate plus nitrite, as nitrogen	mg/L	**0.226**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**0.17**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.06**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.037**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.52**	10	MCL-US	Naturally occurring
Barium	µg/L	**26.2**	1000	MCL-CA	Naturally occurring
Boron	µg/L	**27**	1000	HBSL	Naturally occurring
Chromium	µg/L	**3.5**	50	MCL-CA	Naturally occurring
Iron	µg/L	**78.3**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**12.6**			Naturally occurring
Manganese	µg/L	**2.75**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**1**	40	HBSL	Naturally occurring
Selenium	µg/L	**0.45**	50	MCL-US	Naturally occurring
Strontium	µg/L	**109**	4000	HBSL	Naturally occurring
Tungsten	µg/L	**0.351**			Naturally occurring
Uranium	µg/L	**0.308**	30	MCL-US	Naturally occurring
Vanadium	µg/L	**4.9**	50	NL-CA	Naturally occurring

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E = estimated value
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MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV34**

Station ID **364944121384101** *Sample Date* **11/7/2012 @ 920**

Station Name **013S003E04K002M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Zinc	µg/L	**267**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV36**
Station ID	**363718121302001**	***Sample Date***	**11/6/2012 @ 1510**
Station Name	**015S004E14P001M**		

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Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Nutrients: Nitrate plus nitrite, as nitrogen

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV36**

Station ID **363718121302001** *Sample Date* **11/6/2012 @ 1510**

Station Name **015S004E14P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18**			Naturally occurring
Specific Conductance, field	µS/cm	**1240**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**6.6**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**9.8**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**91.8**			Naturally occurring
Magnesium	mg/L	**41.4**			Naturally occurring
Potassium	mg/L	**2.61**			Naturally occurring
Sodium	mg/L	**89.5**			Naturally occurring
Bromide	mg/L	**1.27**			Naturally occurring
Chloride	mg/L	**158**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.49**	2	MCL-CA	Naturally occurring
Silica	mg/L	**38.1**			Naturally occurring
Sulfate	mg/L	**67.9**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**127**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**715**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**400**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
µg/L = micrograms per liter
µS/cm = microsiemens per centimeter
pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
MCL-CA = CDPH Maximum Contaminant Level (r)
AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV36**

Station ID **363718121302001** *Sample Date* **11/6/2012 @ 1510**

Station Name **015S004E14P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**49.3**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**46.5**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.068**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.07**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**1.6**	10	MCL-US	Naturally occurring
Barium	µg/L	**40**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.007**	4	MCL-US	Naturally occurring
Boron	µg/L	**32**	1000	HBSL	Naturally occurring
Chromium	µg/L	**0.61**	50	MCL-CA	Naturally occurring
Copper	µg/L	**3.8**	1300	MCL-US	Natural, pipe corrosion
Iron	µg/L	**8.7**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**36.2**			Naturally occurring
Manganese	µg/L	**0.92**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**3.2**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.54**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.7**	50	MCL-US	Naturally occurring
Strontium	µg/L	**464**	4000	HBSL	Naturally occurring
Uranium	µg/L	**7.68**	30	MCL-US	Naturally occurring

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SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV36**

Station ID **363718121302001** ***Sample Date*** **11/6/2012 @ 1510**

Station Name **015S004E14P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Vanadium	µg/L	**5.1**	50	NL-CA	Naturally occurring
Zinc	µg/L	**6.8**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV37**
Station ID	**363527121270001**	***Sample Date***	**11/1/2012 @ 1000**
Station Name	**015S005E29P001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

None.

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
E = estimated value	HAL-US = USEPA Lifetime Health Advisory (nr)	
	HBSL = Health-Based Screening Level	

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV37**

Station ID **363527121270001** *Sample Date* **11/1/2012 @ 1000**

Station Name **015S005E29P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**16**			Naturally occurring
Specific Conductance, field	µS/cm	**693**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.1**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**7.5**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**63**			Naturally occurring
Magnesium	mg/L	**23.1**			Naturally occurring
Potassium	mg/L	**3.21**			Naturally occurring
Sodium	mg/L	**52.5**			Naturally occurring
Bromide	mg/L	**0.226**			Naturally occurring
Chloride	mg/L	**63.5**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.81**	2	MCL-CA	Naturally occurring
Silica	mg/L	**30**			Naturally occurring
Sulfate	mg/L	**26.6**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**231**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**413**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**253**			Naturally occurring
3 Nutrients					

mg/L = milligrams per liter
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pCi/L = picocuries per liter
E = estimated value
M = presence verified, but quantity uncertain
MCL-US = USEPA Maximum Contaminant Level (r)
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AL-US = USEPA Action Level (r)
HAL-US = USEPA Lifetime Health Advisory (nr)
HBSL = Health-Based Screening Level
NL-CA = CDPH Notification Level (nr)
SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)

Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV37**

Station ID **363527121270001** *Sample Date* **11/1/2012 @ 1000**

Station Name **015S005E29P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**3.59**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**3.61**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.047**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.041**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.95**	10	MCL-US	Naturally occurring
Barium	µg/L	**61**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.01**	4	MCL-US	Naturally occurring
Boron	µg/L	**244**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.026**	5	MCL-US	Naturally occurring
Copper	µg/L	**3.9**	1300	MCL-US	Natural, pipe corrosion
Lithium	µg/L	**28.4**			Naturally occurring
Manganese	µg/L	**1.6**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**6.82**	40	HBSL	Naturally occurring
Nickel	µg/L	**0.44**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**0.64**	50	MCL-US	Naturally occurring
Strontium	µg/L	**263**	4000	HBSL	Naturally occurring
Tungsten	µg/L	**0.112**			Naturally occurring
Uranium	µg/L	**6.33**	30	MCL-US	Naturally occurring

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E = estimated value
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Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV37**

Station ID **363527121270001** *Sample Date* **11/1/2012 @ 1000**

Station Name **015S005E29P001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Vanadium	µg/L	**3.5**	50	NL-CA	Naturally occurring
Zinc	µg/L	**51.4**	5000	HBSL	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
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Preliminary: Subject to Revision

Tap Owner Report

Owner	**Private Owner**	***GAMA ID***	**S-MS-SV29**
Station ID	**361123121040801**	***Sample Date***	**11/8/2012 @ 1330**
Station Name	**020S008E14K001M**		

Thank you for allowing the USGS to sample your household water tap for the Regional Water Quality Control Board's Groundwater Assessment and Protection (GAP) Program Domestic Well Project. Information about the Program may be found at: http://www.waterboards.ca.gov/centralcoast/water_issues/programs/gap/index.shtml. Water-quality results from this study will be published in a USGS Data Series Report. However, your data will be identified only with a GAMA-ID (shown above) in publications and presentations.

Concentrations of all constituents detected in the raw groundwater collected from your household tap were less than U.S. Environmental Protection Agency (USEPA) and the California Department of Public Health (CDPH) regulatory and non-regulatory drinking-water benchmarks, with the following exceptions:

Field Water Quality Indicators: Specific Conductance, field; Major and Minor Ions: Chloride, Total dissolved solids (TDS); Nutrients: Nitrate plus nitrite, as nitrogen; Trace Elements: Strontium

This report lists the concentrations of chemical constituents detected in water from your household tap that reflects raw groundwater from your well. For context, the concentrations of regulatory (r) and non-regulatory (nr) drinking-water benchmarks set by the USEPA and CDPH are also listed. Comparisons of results to regulatory benchmarks are for context only; they do not indicate compliance or non-compliance with regulatory benchmarks. Please contact your local Health Department if you have questions or concerns about drinking groundwater.

The water-quality results below are organized into the following constituent classes: 1) field water-quality indicators, 2) major ions, 3) nutrients, and 4) trace elements. Only detected constituents are reported here. Typical uses or sources of constituents are listed; other sources also may affect the concentrations of constituents in groundwater.

Thank you again for allowing the USGS to sample your tap for the GAP Domestic Well Project. Please do not hesitate to contact us if you have any further questions.

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µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
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Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV29**

Station ID **361123121040801** *Sample Date* **11/8/2012 @ 1330**

Station Name **020S008E14K001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
1 Field Water Quality Indicators					
Water Temperature	deg Celsius	**18**			Naturally occurring
Specific Conductance, field	µS/cm	**3970**	900 (1600)	SMCL-CA	Naturally occurring
pH, field	standard units	**7.2**	6.5 - 8.5	SMCL-US	Naturally occurring
Dissolved Oxygen	mg/L	**4.4**			Naturally occurring
2 Major and Minor Ions					
Calcium	mg/L	**321**			Naturally occurring
Magnesium	mg/L	**123**			Naturally occurring
Potassium	mg/L	**10.6**			Naturally occurring
Sodium	mg/L	**322**			Naturally occurring
Bromide	mg/L	**2.7**			Naturally occurring
Chloride	mg/L	**964**	250 (500)	SMCL-CA	Naturally occurring
Fluoride	mg/L	**0.08**	2	MCL-CA	Naturally occurring
Silica	mg/L	**36.8**			Naturally occurring
Sulfate	mg/L	**341**	250 (500)	SMCL-CA	Naturally occurring
Alkalinity (CaCO3), laboratory	mg/L	**198**			Naturally occurring
Total dissolved solids (TDS)	mg/L	**2440**	500 (1000)	SMCL-CA	Naturally occurring
Hardness	mg/L as CaCO3	**1310**			Naturally occurring
3 Nutrients					

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Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** *GAMA ID* **S-MS-SV29**

Station ID **361123121040801** *Sample Date* **11/8/2012 @ 1330**

Station Name **020S008E14K001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Nitrate plus nitrite, as nitrogen	mg/L	**30.4**	10	MCL-US	Natural, fertilizer, sewage
Total nitrogen (ammonia, nitrite, nitrate, organic nitrogen)	mg/L	**27.2**			Natural, fertilizer, sewage
Orthophosphate, as phosphorus	mg/L	**0.025**			Natural, fertilizer, sewage
4 Trace Elements					
Antimony	µg/L	**0.085**	6	MCL-US	Naturally occurring
Arsenic	µg/L	**0.91**	10	MCL-US	Naturally occurring
Barium	µg/L	**65.4**	1000	MCL-CA	Naturally occurring
Beryllium	µg/L	**0.028**	4	MCL-US	Naturally occurring
Boron	µg/L	**1300**	1000	HBSL	Naturally occurring
Cadmium	µg/L	**0.545**	5	MCL-US	Naturally occurring
Chromium	µg/L	**4.3**	50	MCL-CA	Naturally occurring
Iron	µg/L	**13.5**	300	SMCL-CA	Naturally occurring
Lithium	µg/L	**233**			Naturally occurring
Manganese	µg/L	**8.14**	50	HBSL	Naturally occurring
Molybdenum	µg/L	**4.81**	40	HBSL	Naturally occurring
Nickel	µg/L	**1.6**	100	MCL-CA	Naturally occurring
Selenium	µg/L	**16.8**	50	MCL-US	Naturally occurring
Strontium	µg/L	**3890**	4000	HBSL	Naturally occurring
Uranium	µg/L	**3.76**	30	MCL-US	Naturally occurring

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Preliminary: Subject to Revision

Tap Owner Report

Owner **Private Owner** ***GAMA ID*** **S-MS-SV29**

Station ID **361123121040801** ***Sample Date*** **11/8/2012 @ 1330**

Station Name **020S008E14K001M**

Constituent Name	*Units*	*Value*	*Benchmark Value and Type*		*Typical Use or Source*
Vanadium	µg/L	**2.2**	50	NL-CA	Naturally occurring

mg/L = milligrams per liter	M = presence verified, but quantity uncertain	NL-CA = CDPH Notification Level (nr)
µg/L = micrograms per liter	MCL-US = USEPA Maximum Contaminant Level (r)	SMCL-CA = CDPH Secondary Maximum Contaminant Level (nr)
µS/cm = microsiemens per centimeter	MCL-CA = CDPH Maximum Contaminant Level (r)	SMCL-US = USEPA Secondary Maximum Contaminant Level (nr)
pCi/L = picocuries per liter	AL-US = USEPA Action Level (r)	
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