2019 Consumer Confidence Report

Water System Name: **Elkhorn Road WS #4** **270.0579** Report Date: 5/28/2020

We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 to December 31, 2019 and may include earlier monitoring data.

Este informe contiene información muy importante sobre su agua para beber. Favor de comunicarse Elkhorn Road Water System #4 a off Hidden Valley Road para asistirlo en español.

这份报告含有关于您的饮用水的重要讯息。请用以下地址和电话联系 Elkhorn Road Water System #4 以获得中文的帮助: off Hidden Valley Road; Pete Anacabe 831.724.6639 or Denise Bellamy 831.763.9136.

Ang pag-uulat na ito ay naglalaman ng mahalagang impormasyon tungkol sa inyong inuming tubig. Mangyaring makipag-ugnayan sa Elkhorn Road Water System #4, off Hidden Valley Road o tumawag sa Pete Anacabe 831.724.6639 or Denise Bellamy 831.763.9136 para matulungan sa wikang Tagalog.

Báo cáo này chứa thông tin quan trọng về nước uống của bạn. Xin vui lòng liên hệ Elkhorn Road Water System #4 tại off Hidden Valley Road để được hỗ trợ giúp bằng tiếng Việt.

Tsab ntawv no muaj cov ntsiab lus tseem ceeb txog koj cov dej haus. Thov hu rau Elkhorn Road Water System #4 ntawm off Hidden Valley Road rau kev pab hauv lus Askiv.

Type of water source(s) in use: One underground well

Name & general location of source(s): Elkhorn Water #4, located off Hidden Valley Road; Watsonville, CA

Drinking Water Source Assessment information: N/A

Time and place of regularly scheduled board meetings for public participation: Prunedale Library Community Meeting Room: 17822 Moro Road; Salinas, CA 93907. Meetings scheduled as needed, at member request.

For more information, contact: Pete Anacabe or Denise Bellamy Phone: 831.724.6639 or 831.763.9136

TERMS USED IN THIS REPORT

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (U.S. EPA).

Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Primary Drinking Water Standards (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Drinking Water Standards (SDWS): MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Variances and Exemptions: State Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.

Level 1 Assessment: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

ND: not detectable at testing limit
ppm: parts per million or milligrams per liter (mg/L)
ppb: parts per billion or micrograms per liter (µg/L)
ppt: parts per trillion or nanograms per liter (ng/L)
ppq: parts per quadrillion or picogram per liter (pg/L)
pCi/L: picocuries per liter (a measure of radiation)

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- *Microbial contaminants*, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, that are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- *Radioactive contaminants*, that can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the U.S. EPA and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

Tables 1, 2, 3, 4, 5, and 6 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old. Any violation of an AL, MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA

Microbiological Contaminants (complete if bacteria detected)	**Highest No. of Detections**	**No. of Months in Violation**	**MCL**	**MCLG**	**Typical Source of Bacteria**
Total Coliform Bacteria (state Total Coliform Rule)	(In a month) 0	0	1 positive monthly sample[(a)]	0	Naturally present in the environment
Fecal Coliform or *E. coli* (state Total Coliform Rule)	(In the year) 0	0	A routine sample and a repeat sample are total coliform positive, and one of these is also fecal coliform or *E. coli* positive		Human and animal fecal waste
E. coli (federal Revised Total Coliform Rule)	(In the year) 0	0	(b)	0	Human and animal fecal waste

(a) Two or more positive monthly samples is a violation of the MCL.
(b) Routine and repeat samples are total coliform-positive and either is *E. coli*-positive or system fails to take repeat samples following *E. coli*-positive routine sample or system fails to analyze total coliform-positive repeat sample for *E. coli*.

TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (complete if lead or copper detected in the last sample set)	**Sample Date**	**No. of Samples Collected**	**90th Percentile Level Detected**	**No. Sites Exceeding AL**	**AL**	**PHG**	**No. of Schools Requesting Lead Sampling**	**Typical Source of Contaminant**
Lead (ppb)	7/23/19	5	6	0	15	0.2	0	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Copper (ppm)	7/23/19	5	0.31	0	1.3	0.3	Not applicable	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS						
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected**	**Range of Detections**	**MCL**	**PHG (MCLG)**	**Typical Source of Contaminant**
Sodium (ppm)	3/5/18	35		None	None	Salt present in the water and is generally naturally occurring
Hardness (ppm)	3/5/18	76.9		None	None	Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring

TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected**	**Range of Detections**	**MCL [MRDL]**	**PHG (MCLG) [MRDLG]**	**Typical Source of Contaminant**
Arsenic (ppb)	3/8/19	1		10	0.004	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Chromium (ppb)	2/4/16	12		50	(100)	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride (ppm)	2/4/16	0.19		2.0	1	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as nitrogen, N) (ppm)	2019	7.4	7.0-8.1	10	10	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
1,2,3-Trichloropropane (1,2,3-TCP) (ng/L)	**2019**	**280***	**260-310**	5	0.7	Discharge from industrial and agricultural chemical factories; leaching from hazardous waste sites; used as cleaning and maintenance solvent, paint and varnish remover, and cleaning and degreasing agent; byproduct during the production of other compounds and pesticides.

TABLE 5 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD						
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected**	**Range of Detections**	**SMCL**	**PHG (MCLG)**	**Typical Source of Contaminant**
Turbidity (units)	3/5/18	0.10		5	N/A	Soil runoff
Chloride (ppm)	3/5/18	43		500	N/A	Runoff/leaching from natural deposits; seawater influence
Conductivity (umho/cm)	3/5/18	350		1,600	N/A	Substances that form ions when in water; seawater influence
Sulfate (ppm)	3/5/18	11		500	N/A	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (TDS) (ppm)	3/5/18	220		1,000	N/A	Runoff/leaching from natural deposits

TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS					
Chemical or Constituent (and reporting units)	**Sample Date**	**Level Detected**	**Range of Detections**	**Notification Level**	**Health Effects Language**
Hexavalent Chromium (ppb)	2017	12	12-12	Currently no MCL*	None

* There is currently no MCL for hexavalent chromium. The previous hexavalent chromium MCL of 0.010 mg/L was withdrawn on September 11, 2017

Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. U.S. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Lead-Specific Language: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Elkhorn Road Water System #4 is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. [***OPTIONAL:*** If you do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as watering plants.] If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at http://www.epa.gov/lead.

Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with specific enzyme deficiencies. If you are caring for an infant, or you are pregnant, you should ask advice from your health care provider.

Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement

VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT				
Violation	**Explanation**	**Duration**	**Actions Taken to Correct the Violation**	**Health Effects Language**
***1,2,3-TCP**	**The well has levels above the MCL.**	**Quarterly testing since 2018**	**Water system is investigating viable options.**	**Some people who use water containing 1,1,2-trichloro-1,2,2-trifloroethane in excess of the MCL over many years may experience liver problems.**

Summary Information for Federal Revised Total Coliform Rule Level 1 and Level 2 Assessment Requirements

Level 1 or Level 2 Assessment Requirement not Due to an *E. coli* MCL Violation

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. When coliforms are found, we are required to conduct assessment(s) to identify problems and to correct any problems that were found during these assessments.

During the past year there were no Level 1 or Level 2 assessments required.

Level 2 Assessment Requirement Due to an *E. coli* MCL Violation

E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely-compromised immune systems. When E. coli bacteria is found, we are required to conduct assessment(s) identify problems and to correct any problems that were found during these assessments.

During the past year there were no level 2 assessments due to E. coli.

Drinking Water Source Assessment

Water System

ELKHORN WS #4

Monterey County

Water Source

WELL 01

Assessment Date

May, 2001

California Department of Health Services
Drinking Water Field Operations Branch
LPA Monterey County

District No.	**57**
System No.	**2700579**
Source No.	**001**
PS Code	**2700579-001**

Assessment Summary

District Name LPA Monterey County District No. 57 County Monterey

System Name ELKHORN WS #4 System No. 2700579

Source Name WELL 01 Source No. 001 PS Code 2700579-001

Completed by Dan Wessell Date May, 2001

According to DHS records, this Source is Groundwater. This Assessment was done using the Default Groundwater System Method.

Description of System and Source

The ELKHORN WS #4 is located in north Monterey County and serves several residence off Campagna Way. There are approximately 20 service connections, 3 of which are inactive, serving an estimated population of 60 people.

The drinking water source for the ELKHORN WS #4 water system is one well. General land use is rural residential and agriculture.

Assessment Procedures

The assessment of the source was conducted by the County of Monterey, the LPA office. The following sources of information were used in the assessment: Water system files.

Procedures used to conduct the assessment include: File review, site visit and historical knowledge of the area.

Contents of this Assessment

Yes [X]	No [ ]	Assessment Summary
Yes [X]	No [ ]	Vulnerability Summary
Yes [ ]	No [X]	Source Location Form
Yes [X]	No [ ]	Delineation of Water Protection Zones
Yes [X]	No [ ]	Physical Barrier Effectiveness Checklist
Yes [X]	No [ ]	Source Data Sheet
Yes [X]	No [ ]	Inventory of Possible Contaminating Activities
Yes [X]	No [ ]	Vulnerability Ranking
Yes [X]	No [ ]	Assessment Map

Comments

The zones of delineation and possible contaminating activity inventory is based on a brief field survey, previous information compiled from local county files and general historical knowledge of the area.

It is recommended that future involved parties update and refine this information when appropriate.

Drinking Water Source Assessment and Protection (DWSAP) Program

Vulnerability Summary

District Name LPA Monterey County District No. 57 County Monterey

System Name ELKHORN WS #4 System No. 2700579

Source Name WELL 01 Source No. 001 PS Code 2700579-001

Completed by Dan Wessell Date May, 2001

THE FOLLOWING INFORMATION MUST BE INCLUDED IN THE SYSTEM CONSUMER CONFIDENCE REPORT

A source water assessment was conducted for the **WELL 01**

of the **ELKHORN WS #4** water system in **May, 2001**

The source is considered most vulnerable to the following activities not associated with any detected contaminants:

Septic systems - high density

Discussion of Vulnerability

There is limited well data for this source. The water system should submit a well drillers report to the Monterey County Health Department or any other useful information that it may have, e.g. results of source capacity test, etc..

A copy of the complete assessment may be viewed at:

MontereyCounty Health Department
1270 Natividad Road
Room 102
California, CA 93906

You may request a summary of the assessment be sent to you by contacting:

District Environmental Health Specialist
(831) 755-4507

Drinking Water Source Assessment and Protection (DWSAP) Program

Delineation of Water Protection Zones

District Name LPA Monterey County **District No.** 57 **County** Monterey

System Name ELKHORN WS #4 **System No.** 2700579

Source Name WELL 01 **Source No.** 001 **PS Code** 2700579-001

Completed by Dan Wessell **Date** May, 2001

Method Used to Delineate Protection Zones

X 1. Calculated Fixed Radius

2. Modified Calculated Fixed Radius (Attach documentation for direction of ground water flow.)
3. More Detailed Methods
4. Arbitrary Fixed Radius (For use only by or permission of DHS)

Maximum Pumping Rate of Well (Q)	140	gallons/minute	
	226	acre feet/year	
	9,837,380	cubic feet/year	
Effective Porosity	0.20		[X] Default Value
Screened Interval of Well	10	feet	[ ] Default Value

Protection Zone	Calculated Value	Minimum Value	Radius of Protection Zone
Zone A - 2 Year TOT*	1,770 Feet	600 Feet	**1,770** Feet
Zone B5 - 5 Year TOT*	2,798 Feet	1,000 Feet	**2,798** Feet
Zone B10 - 10 Year TOT*	3,957 Feet	1,500 Feet	**3,957** Feet

*TOT = Time of Travel

Drinking Water Source Assessment and Protection (DWSAP) Program

Physical Barrier Effectiveness (PBE)

District Name LPA Monterey County | District No. 57 | County Monterey

System Name ELKHORN WS #4 | System No. 2700579

Source Name WELL 01 | Source No. 001 | PS Code 2700579-001

Completed by Dan Wessell | Date May, 2001

Parameter		Possible Points	This Source	Score
Type of Aquifer **Confinement**				
1. Unconfined, Semi-confined, Fractured Rock, Unknown Aquifer		0	X	0
2. Confined		50		
Aquifer Material (Unconfined Aquifers) **Type of material within aquifer**				
1. Porous Media (Interbedded sands, silts, clays, gravels) with continuous clay layer minimum 25' thick above water table within Zone A		20		
2. Porous Media (Interbedded sands, silts, clays, gravels)		10	X	10
3. Fractured rock (Low Physical Barrier Effectiveness - no further questions required)		0		
Pathways of Contamination (All Aquifers) **Presence of Abandoned or Improperly Destroyed Wells**				
1. Present within Zone A (2 year TOT distance)	Yes	0		
	No	5	X	5
	Unknown	0		
2. Present within Zone B5 (2 -5 year TOT distance)	Yes	0		
	No	3		
	Unknown	0	X	0
3. Present within Zone B10 (5-10 year TOT distance)	Yes	0		
	No	2		
	Unknown	0	X	0
Static Water Conditions (Unconfined Aquifers)				
Depth to Static Water (DTW) 120 feet	0 to 20 feet	0		
	20 to 50 feet	2		
	50 to 100 feet	6		
	Greater than 100 feet	10	X	10
	Unknown	0		
Well Operation (Unconfined Aquifers)				
Depth to Uppermost Perforations (DUP) 140 feet				
Maximum Pumping Rate of Well (Q) 140 gallons/minute				
Length of Screened Interval (H) 10 feet				
	Less than 5	0	X	0
[DUP - DTW / Q/H] 1.43	Between 5 and 10	5		
	Greater than 10	10		
	Unknown	0		

Physical Barrier Effectiveness (PBE)

System Name ELKHORN WS #4 **System No.** 2700579

Source Name WELL 01 **Source No.** 001 **PS Code** 2700579-001

Parameter		Possible Points	This Source	Score
Well Construction (All Aquifers)				
Sanitary Seal (Annular Seal) Depth 0 feet	None or less than 20 feet	0	X	0
	Between 20 and 50 feet	6		
	50 feet or greater	10		
	Unknown	0		
Surface Seal (concrete cap)	Not present or improperly constructed	0		
	Watertight, slopes away from well at least 2' laterally in all directions	4	X	4
	Unknown	0		
Flooding potential at well site	Subject to localized flooding (i.e. in low area or unsealed pit or vault) or within 100 year flood plain	0		
	Not subject to flooding	1	X	1
	Unknown	0		
Security at well site	Not secure	0	X	0
	Secure	5		
	Unknown	0		

Score	Effectiveness
0 to 35	Low
36 to 69	Moderate
70 to 100	High

Maximum Score = 70

Score 30

Effectiveness Low

Drinking Water Source Assessment and Protection (DWSAP) Program

Inventory of Possible Contaminating Activities (PCA Inventory)

District Name LPA Monterey County **District No.** 57 **County** Monterey

System Name ELKHORN WS #4 **System No.** 2700579

Source Name WELL 01 **Source No.** 001 **PS Code** 2700579-001

Completed by Dan Wessell **Date** May, 2001

PCA (Risk Ranking)	PCA in Zone A	PCA in Zone B5	PCA in Zone B10	*	Comments
Residential/Municipal Activities					
Airports - Maintenance/ fueling areas (VH)	N	N	N		
Landfills/dumps (VH)	N	N	N		
Railroad yards/ maintenance/ fueling areas (H)	N	N	N		
Septic systems - high density (>1/acre) (VH in Zone A, otherwise M)	Y	N	N		
Sewer collection systems (H in Zone A, otherwise L)	N	N	N		
Utility stations - maintenance areas (H)	N	N	N		
Wastewater treatment plants (VH in Zone A, otherwise H)	N	N	N		
Drinking water treatment plants (M)	N	N	N		
Golf courses (M)	N	N	N		
Housing - high density (>1 house/0.5 acres) (M)	N	N	N		
ptor pools (M)	N	N	N		
arks (M)	N	N	N		
Waste transfer/recycling stations (M)	N	N	N		
Apartments and condominiums (L)	N	N	N		
Campgrounds/ Recreational areas (L)	N	N	N		
Fire stations (L)	N	N	N		
RV Parks (L)	N	N	N		
Schools (L)	N	N	N		
Hotels, Motels (L)	N	N	N		
Agricultural/Rural Activities					
Grazing (> 5 large animals or equivalent per acre) (H in Zone A, otherwise M)	N	N	N		
Concentrated Animal Feeding Operations (CAFOs) as defined in federal regulation1 (VH in Zone A, otherwise H)	N	N	N		
Animal Feeding Operations as defined in federal regulation2 (VH in Zone A, otherwise H)	N	N	N		
Other Animal operations (H in Zone A, otherwise M)	N	N	N		
Farm chemical distributor/ application service (H)	N	N	N		
Farm machinery repair (H)	N	N	N		
ptic systems - low density (<1/acre) (H in Zone A,	Y	Y	Y		

Y = Yes N = No U = Unknown

* = A contaminant potentially associated with this activity has been detected in the water supply.

Inventory of Possible Contaminating Activities (PCA Inventory)

System Name ELKHORN WS #4 **System No.** 2700579

Source Name WELL 01 **Source No.** 001 **PS Code** 2700579-001

PCA (Risk Ranking)	PCA in Zone A	PCA in Zone B5	PCA in Zone B10	*	Comments
Agricultural/Rural Activities					
otherwise L)					
Lagoons / liquid wastes (H)	N	N	N		
Machine shops (H)	N	N	N		
Pesticide/fertilizer/ petroleum storage & transfer areas (H)	N	N	N		
Agricultural Drainage (H in Zone A, otherwise M)	Y	U	U		
Wells - Agricultural/ Irrigation (H)	Y	U	U		
Managed Forests (M)	N	N	N		
Crops, irrigated (Berries, hops, mint, orchards, sod, greenhouses, vineyards, nurseries, vegetable) (M)	Y	Y	Y		
Fertilizer, Pesticide/ Herbicide Application (M)	Y	Y	Y		
Sewage sludge/biosolids application (M)	N	N	N		
Crops, nonirrigated (e.g., Christmas trees, grains, grass seeds, hay, pasture) (includes drip-irrigated crops) (L)	N	N	N		
ther Activities					
NPDES/WDR permitted discharges (H)	N	N	N		
Underground Injection of Commercial/Industrial Discharges (VH)	N	N	N		
Historic gas stations (VH)	N	N	N		
Historic waste dumps/ landfills (VH)	N	N	N		
Illegal activities/ unauthorized dumping (H)	N	N	N		
Injection wells/ dry wells/ sumps (VH)	N	N	N		
Known Contaminant Plumes (VH)	N	N	N		
Military installations (VH)	N	N	N		
Mining operations - Historic (VH)	N	N	N		
Mining operations - Active (VH)	N	N	N		
Mining - Sand/Gravel (H)	N	N	N		
Wells - Oil, Gas, Geothermal (H)	N	N	N		
Salt Water Intrusion (H)	N	N	N		
Recreational area - surface water source (H)	N	N	N		
Underground storage tanks - Confirmed leaking tanks (VH)	N	N	N		
Underground storage tanks - Decommissioned - inactive tanks (L)	N	N	N		
derground storage tanks - Non-regulated tanks (tanks	N	N	N		

Y = Yes N = No U = Unknown

* = A contaminant potentially associated with this activity has been detected in the water supply.

Inventory of Possible Contaminating Activities (PCA Inventory)

System Name ELKHORN WS #4 **System No.** 2700579

Source Name WELL 01 **Source No.** 001 **PS Code** 2700579-001

PCA (Risk Ranking)	PCA in Zone A	PCA in Zone B5	PCA in Zone B10	*	Comments
Other Activities					
smaller than regulatory limit) (H)					
Underground storage tanks - Not yet upgraded or registered tanks (H)	N	N	N		
Underground storage tanks - Upgraded and/or registered - active tanks (L)	N	N	N		
Above ground storage tanks (M)	**U**	**U**	**U**		
Wells - Water supply (M)	**Y**	**Y**	**Y**		
Construction/demolition staging areas (M)	N	N	N		
Contractor or government agency equipment storage yards (M)	N	N	N		
Dredging (M)	N	N	N		
Transportation corridors - Freeways/state highways (M)	N	N	N		
Transportation corridors - Railroads (M)	N	N	N		
Transportation corridors - Historic railroad right-of-ways (M)	N	N	N		
Transportation corridors - Road Right-of-ways (herbicide use areas) (M)	N	N	N		
Transportation corridors - Roads/ Streets (L)	**Y**	**Y**	**Y**		
Hospitals (M)	N	N	N		
Storm Drain Discharge Points (M)	N	N	N		
Storm Water Detention Facilities (M)	N	N	N		
Artificial Recharge Projects - Injection wells (potable water) (L)	N	N	N		
Artificial Recharge Projects - Injection wells (non-potable water) (M)	N	N	N		
Artificial Recharge Projects - Spreading Basins (potable water) (L)	N	N	N		
Artificial Recharge Projects - Spreading Basins (non-potable water) (M)	N	N	N		
Medical/dental offices/clinics (L)	N	N	N		
Veterinary offices/clinics (L)	N	N	N		
Surface water - streams/ lakes/rivers (L)	**Y**	**Y**	**Y**		Slough and Swale
Wells - monitoring, test holes (L)	N	N	N		

Y = Yes N = No U = Unknown

*** = A contaminant potentially associated with this activity has been detected in the water supply.**

Drinking Water Source Assessment and Protection (DWSAP) Program

Vulnerability Ranking

District Name LPA Monterey County **District No.** 57 **County** Monterey

System Name ELKHORN WS #4 **System No.** 2700579

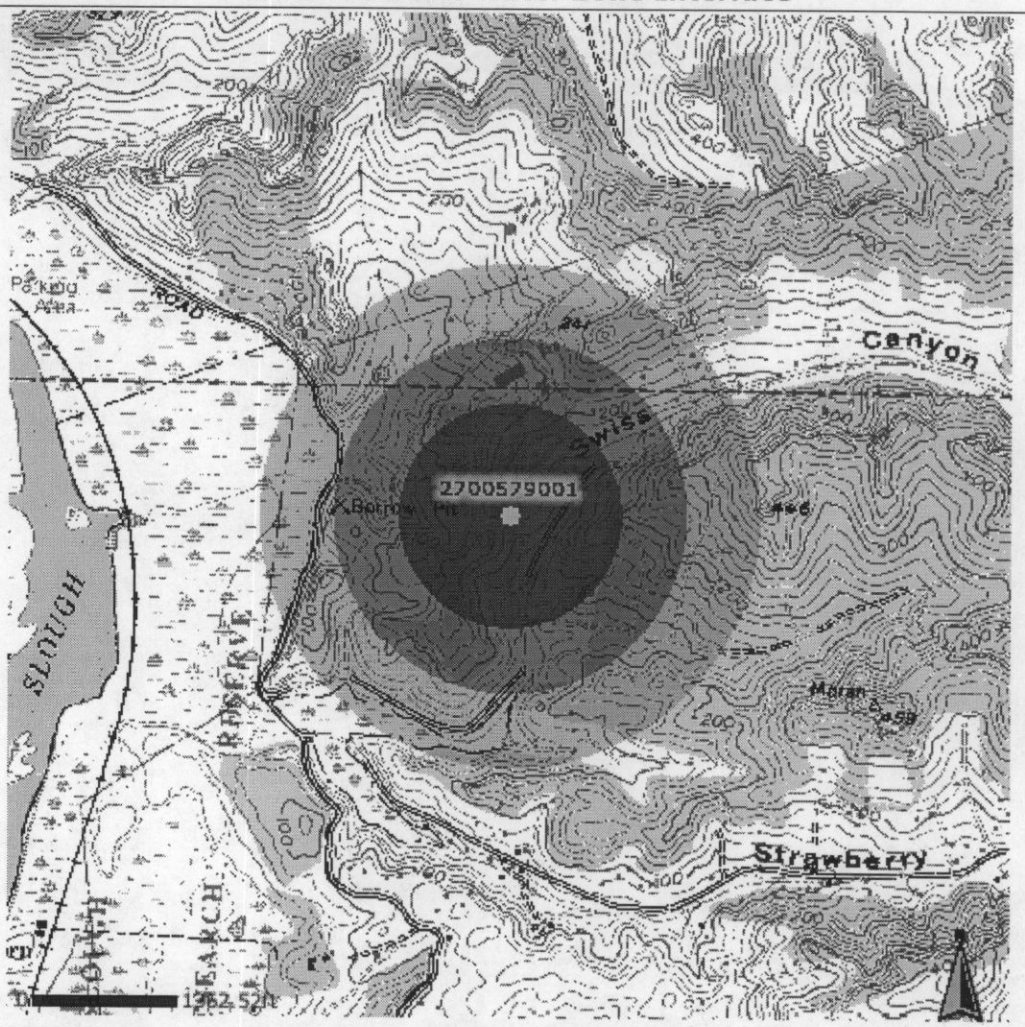
Source Name WELL 01 **Source No.** 001 **PS Code** 2700579-001

Completed by Dan Wessell **Date** May, 2001

Zone	PCA (Risk Ranking)	*	PCA Risk Points	Zone Points	PBE Points	Vulnerability Score
A	Septic systems - high density (>1/acre) (VH in Zone A, otherwise M)		7	5	5	17
A	Agricultural Drainage (H in Zone A, otherwise M)		5	5	5	15
A	Septic systems - low density (<1/acre) (H in Zone A, otherwise L)		5	5	5	15
A	Wells - Agricultural/ Irrigation (H)		5	5	5	15
A	Crops, irrigated (Berries, hops, mint, orchards, sod, greenhouses, vineyards, nurseries, vegetable) (M)		3	5	5	13
A	Fertilizer, Pesticide/ Herbicide Application (M)		3	5	5	13
A	Wells - Water supply (M)		3	5	5	13
A	Surface water - streams/ lakes/rivers (L)		1	5	5	11
A	Transportation corridors - Roads/ Streets (L)		1	5	5	11
B5	Crops, irrigated (Berries, hops, mint, orchards, sod, greenhouses, vineyards, nurseries, vegetable) (M)		3	3	5	11
B5	Fertilizer, Pesticide/ Herbicide Application (M)		3	3	5	11
B5	Wells - Water supply (M)		3	3	5	11
B5	Wells - Agricultural/ Irrigation (H)		5	0	5	10
B10	Wells - Agricultural/ Irrigation (H)		5	0	5	10
B5	Septic systems - low density (<1/acre) (H in Zone A, otherwise L)		1	3	5	9
B5	Surface water - streams/ lakes/rivers (L)		1	3	5	9
B5	Transportation corridors - Roads/ Streets (L)		1	3	5	9
B10	Crops, irrigated (Berries, hops, mint, orchards, sod, greenhouses, vineyards, nurseries, vegetable) (M)		3	1	5	9
B10	Fertilizer, Pesticide/ Herbicide Application (M)		3	1	5	9
B10	Wells - Water supply (M)		3	1	5	9
A	Above ground storage tanks (M)		3	0	5	8
B5	Above ground storage tanks (M)		3	0	5	8
B5	Agricultural Drainage (H in Zone A, otherwise M)		3	0	5	8
B10	Above ground storage tanks (M)		3	0	5	8
B10	Agricultural Drainage (H in Zone A, otherwise M)		3	0	5	8

*** = A contaminant potentially associated with this activity has been detected in the water supply.**

DWSAP Ground Water Zone Interface



Well Position *	GPS'd	Longitude	Latitude
	Yes	-121.727	36.835

* Well location coordinates have been rounded to 3 decimal places due to security concerns.

Well Statistics	
Well Number	2700579001
Media Type	Porous Media
System Type	All Other System
Effective Porosity (n , decimal percent)	0.2
Screened Interval (H , feet)	10
Pumping Capacity (Q , gpm)	50
Azimuth of Flow (a , degrees)	0 - No Translation

Radii Measures	
Defaults Used	No
R2	1056 ft
R5	1673 ft
R10	2365 ft