Drinking Water Source Assessment

Water System

COUNTY SERVICE AREA 11

San Mateo County

Water Source

WELL 02 (WARHEIT) - STANDBY

Assessment Date

November, 2002

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

District No. 71

System No. 4100582

Source No. 002

PS Code 4100582-002

Drinking Water Source Assessmel and Protection (DWSAP) Program								
Vulnerability Summary								
District Name LPA San Mateo County System Name COUNTY SERVICE AREA 11 WELL 02 (WARHEIT) - STANDBY	District No. 71 Source No.	County 002	San Mateo System No. PS Code	4100582				
Completed bychris day	Date _	Novemb	er, 2002					
THE FOLLOWING INFORMATION MUST BE INC	CLUDED IN THE SYSTE	M CONSUM	IER CONFIDENCE RE	PORT				
A source water assessment was conducted for the <u>WELL 02 (WARHEIT) - STANDBY</u> of the <u>COUNTY SERVICE AREA 11</u> water system in <u>November, 2002</u>								
The source is considered most vulnerable to the with any detected contaminants:	e following activities	not assoc	ciated	2				

Historic waste dumps/ landfills

Discussion of Vulnerability

There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source. The source is most vulnerable to the following activities that were identified within the recharge area for Well 02:

- 1. Historic waste dumps/landfills a potential source of household and industrial chemicals.
- 2. Transportation corridors Road Right-of-ways (herbicide use areas) possible source of herbicides used to control weeds along the roadside and a possible source of automotive chemicals.
- 3. Waste transfer/recycling stations A potential source of illicitly disposed household, industrial or agricultural chemicals. Also a potential source of bacterial contamination.

CSA 11 public water system conducts routine periodic monitoring of the water quality from well 02 to ensure that the water supply is safe for human consumption. The well head is secured and protected from surface flooding.

A copy of the complete assessment may be viewed at:

Environmental Health Services 455 County Center, 4th floor Redwood City, CA 94063

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

Christopher Day
Environmental Health Specialist
650-363-4727
650-363-7882 (fax)
cday@co.sanmateo.ca.us

Drinking Water Source Assessmel nd Protection (DWSAP) Program

Physical Barrier Effective	eness	(PBE)					
District Name LPA San Mateo County		District No. 71	County	San Mateo	SWIFT OF STREET, STATE STREET,	CHRESCHER PER STILLS	
System Name _COUNTY SERVICE ARE	ΞΑ 11					100582	
Source Name WELL 02 (WARHEIT) -		/Source No	002	PS Code	-		
Completed by _ chris day		Date	Novem	ber, 2002			
Parameter				Possible Points	This Source	Score	
Type of Aquifer Confinement			4				
Unconfined, Semi-confined, Fractured Roc	Unconfined, Semi-confined, Fractured Rock, Unknown Aquifer						
2. Confined		50	Х	50			
Pathways of Contamination (All Aqui Presence of Abandoned or Improperly De	stroyed W	ells					
 Present within Zone A (2 year TOT distant 	ice)	Yes		0			
	·	No		5			
		Unknown		0	Χ	0	
2. Present within Zone B5 (2 -5 year TOT dis	stance)	Yes		0	u i		
	-	No		3			
		Unknown		0	X	0	
3. Present within Zone B10 (5-10 year TOT)	distance) _	Yes		0			
	-	No		2			
		Unknown		0	X	0	
Hydraulic Head (Confined Aquifers) What is the relationship in the hydraulic he the overlying unconfined aquifer? (i.e. doe 1. Head in confined aquifer is higher than hea	es the well	flow under artesian co	and enditions?)				
conditions.			1144	20			
Head in confined aquifer is higher than hea conditions.				10			
 Head in confined aquifer is lower than or sa under static conditions. 	ame as hea	nd in unconfined aquifer		0			
4. Unknown				0	Х	0	
Well Construction (All Aquifers)							
Sanitary Seal (Annular Seal) Depth	None of	less than 20 feet		0			
50 feet	Betweer	n 20 and 50 feet		6			
	50 feet o	or greater		10	X	10	
-	Unknow			0		10	
Surface Seal (concrete cap)	Not pres	sent or improperly constr	ucted	0			
	Watertig	tht, slopes away from we 2' laterally in all direction	11	4	Х	4	
_	Unknow	n		0			

WELL DATA SHEET (Sheet 1 of 3)

COUNTY SERVICE AREA #11 - WELL #2

4100582-002

Complete as much information as possible. Leave blank if informati * Indicates items required for Source Water Assessment **	Indicates additional items require	d for Crowd W.
	l long require	A struct on Training
DATA SHEET GENERAL INFORMATION		Actual or Estimated
System Name		SERVICE OF SCHOOL SERVICE
System Number		552 x 250 x
Source of Information (See Note 1)		
Personnel Collecting Information		AND THE RESERVE OF THE PARTY OF
Date		
WELL IDENTIFICATION		
* Well Number or Name		CONTRACTOR CONTRACTOR
* DHS Source Identification Number (FRDS ID No.)		
DWR Well Log on File? (yes or no)		200030404
State Well Number (from DWR)		MARKET AND AND ADDRESS OF THE PARTY OF THE P
Well Status (Active, Standby, Inactive)		
Date of Inactive Status (if applicable)		《图图图》
VELL LOCATION		京教育等社会
Latitude		
Longitude		
Elevation		s .
Street Address		
* Neighborhood/Surrounding Area (see Note 2)		建筑形料 在2007 A
Site plan on file? (yes or no)	rural	电影图像外型系统
DWR Ground Water Basin		的新教育等 。
DWR Ground Water Sub-basin		
ANITARY CONDITIONS		
** Distance to: Sewer Line, Sewage Disposal, or Septic tank		
Distance to: Other sanitary concerns	greater than	200 ft.
Distance to: Other Wells (Active)		
Distance to: Other Wells (Abandoned)	150 ft.	
* Size of controlled area around well (square feet)		
* Type of access control to well site (See Note 3)	100 square f	t.
	cement box	
* Surface Seal? (Concrete slab) (yes or no) * Dimensions of concrete surface slab (ft)	yes	What is the same of the same o
A west a will be a local and a	10ft. x 10 ft	
	no	
Paramage away from well? (yes or no) NCLOSURE/HOUSING	yes	
Type		
Condition	cement box	不是的是我们的
Pit depth (if applicable)	good	
		423/62/1995/94
Pit Drained? (if applicable) Floor (material)		HODELES SES
TOOI (INAICITAL)		

Inventory of Possible Contaminating Activities (PCA Inventory)							
District Name	LPA San Mateo County	District I				San Mateo	14000
System Name	COUNTY SERVICE AREA 11	District	10. 71		Ly		
Source Name	WELL 02 (WARHEIT) - STANDBY	9	ource No.	000	-1	System No. 4100582	
	WELE 02 (WAIGHT) - STAINDET		ource No.	002		PS Code 4100582-002	
Completed by	chris day		Date	Nove	mbe	er, 2002	
PCA (Risk Rankin	g)	PCA in Zone A	PCA in Zone B5	PCA in Zone B10	*	Comments	
Commercial/I	ndustrial Activites						
Automobile- Body s	shops (H)	N	N	N			
Automobile- Car wa	ashes (M)	N	N	N			
Automobile- Gas st	ations (VH)	N	N	N			
Automobile- Repair	shops (H)	N	N	N			
Boat services/repair	r/ refinishing (H)	N	N	N			
Chemical/petroleum	n pipelines (H)	N	N	N			
Chemical/petroleum	n processing/storage (VH)	N	N	N			
Dry cleaners (VH)		N	N	N			
Electrical/electronic	manufacturing (H)	N	N	N			
Fleet/truck/bus term	ninals (H)	N	N	N			
Fumiture repair/ ma	nufacturing (H)	N	N	N			
Home manufacturin	g (H)	N	N	N			
Junk/scrap/salvage	yards (H)	N	N	N			
Machine shops (H)		N	N	N			
Metal plating/ finishi	ing/fabricating (VH)	N	N	N			
Photo processing/pr	rinting (H)	N	N	N			
Plastics/synthetics p	producers (VH)	N	N	N			
Research laboratori	es (H)	N	N	N			
Wood preserving/tre	eating (H)	N	N	N			
Wood/pulp/paper pr	ocessing and mills (H)	N	N	N			
Lumber processing	and manufacturing (H)	N	N	N			-
Sewer collection sys	stems (H, if in Zone A, otherwise L)	N	N	N			
Parking lots/malls (>	>50 spaces) (M)	N	N	N	_		
Cement/concrete pla	ants (M)	N	N	N			
Food processing (M)	N	N	N			
Funeral services/gra	aveyards (M)	N	N	N			
Hardware/lumber/pa	arts stores (M)	N	N	N			
Appliance/Electronic	Repair (L)	N	N	N			
Office buildings/com	nplexes (L)	N	N	N			
Rental Yards (L)		N	N	N			

N = NoU = Unknown

RV/mini storage (L)

Ν

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

Drinking Water Source Assessme

nd Protection (DWSAP) Program

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Inventor	y of Possible Contam	inatin	g Activ	vities (P(CA Inven	tory)	
District Name	LPA San Mateo County	District N	No. 71	Coun	ty	San Mateo		
System Name	COUNTY SERVICE AREA 11				-	Systen	n No.	4100582
Source Name	WELL 02 (WARHEIT) - STANDBY	s	ource No.	002		PS Code	-	0582-002
Completed by	chris day		Date	Nove	mbe	er, 2002		
PCA (Risk Rankin	g)	PCA in Zone A	PCA in Zone B5	PCA in Zone B10	*	Comments		
Agricultural/R	Rural Activites							
Grazing (> 5 large a Zone A, otherwise M	animals or equivalent per acre) (H in M)	N	N	N				
	al Feeding Operations (CAFOs) as egulation1 (VH in Zone A, otherwise	N	N	N				
	erations as defined in federal Zone A, otherwise H)	N	N	N				
Other Animal opera	tions (H in Zone A, otherwise M)	N	N	N				
Farm chemical distr	ibutor/ application service (H)	N	N	N				
Farm machinery rep	pair (H)	N	N	N				
Septic systems - lov otherwise L)	v density (<1/acre) (H in Zone A,	N	U	U				
Lagoons / liquid was	stes (H)	N	N	N				
Machine shops (H)		N	N	N				
Pesticide/fertilizer/ p	petroleum storage & transfer areas (H)	N	N	N				
Agricultural Drainag	e (H in Zone A, otherwise M)	N	Y	Υ				
Wells - Agricultural	/ Irrigation (H)	N	U	U				
Managed Forests (N	M)	N	N	N				
	rries, hops, mint, orchards, sod, ards, nurseries, vegetable) (M)	N	N	Υ				45
Fertilizer, Pesticide/	Herbicide Application (M)	N	U	U				
Sewage sludge/bios	solids application (M)	N	N	N				
Crops, nonirrigated	(e.g., Christmas trees, grains, grass	N	N	N				

seeds, hay, pasture) (L) (includes drip-irrigated crops)

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

Wells - monitoring, test holes (L)

Inventory of Possible Contaminating Activities (PCA Inventory)

System Name **COUNTY SERVICE AREA 11** System No. 4100582 Source Name WELL 02 (WARHEIT) - STANDBY Source No. 002 PS Code 4100582-002 **PCA** in PCA in PCA in PCA (Risk Ranking) Zone A Zone B5 Zone B10 Comments Other Activites Transportation corridors - Historic railroad right-of-ways N N N Transportation corridors - Road Right-of-ways (herbicide Y Υ Υ use areas) (M) Transportation corridors - Roads/ Streets (L) Y Y Y Hospitals (M) N N Ν Storm Drain Discharge Points (M) N Ν Ν Storm Water Detention Facilities (M) Ν Ν N Artificial Recharge Projects - Injection wells (potable Ν N Ν water) (L) Artificial Recharge Projects - Injection wells (non-potable N N N Artificial Recharge Projects - Spreading Basins (potable Ν Ν Ν water) (L) Artificial Recharge Projects - Spreading Basins N N Ν (non-potable water) (M) Medical/dental offices/clinics (L) Ν Ν Veterinary offices/clinics (L) Ν N Ν Surface water - streams/ lakes/rivers (L) Υ

Ν

Y

Y

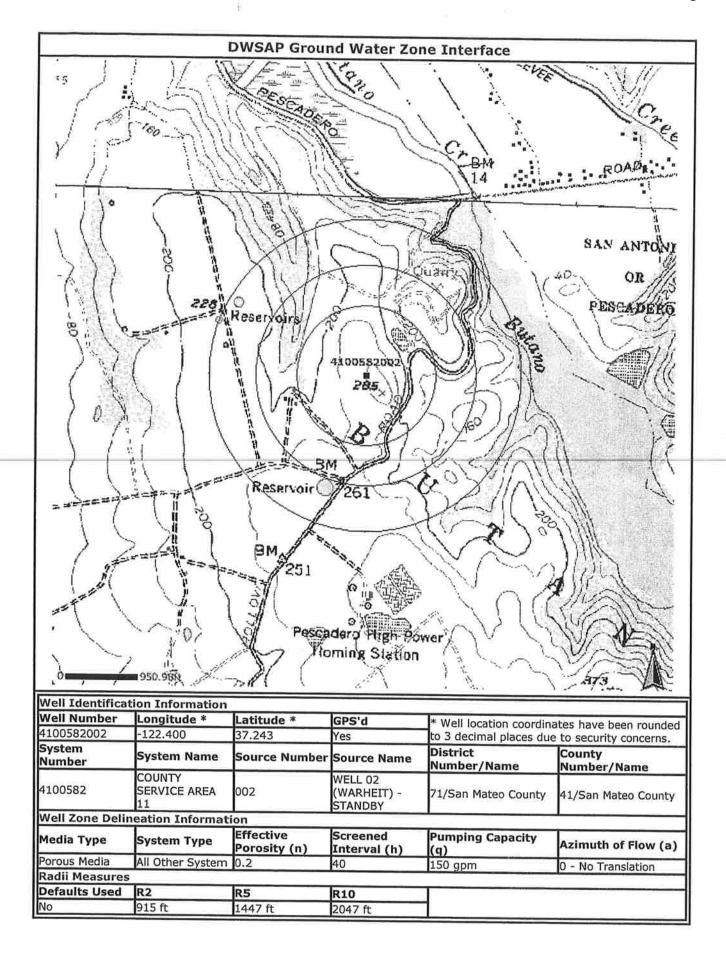
Y

irrigation pond

near the old landfill

Y = Yes N = No U = Unknown

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



Drinking Water Source Assessment

Water System

COUNTY SERVICE AREA 11

San Mateo County

Water Source

WELL 01

Assessment Date

November, 2002

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

District No. 71

System No. 4100582

Source No. 001

PS Code 4100582-001

Drinking Water Source Assessme and Protection (DWSAP) Program Vulnerability Summary **District Name** LPA San Mateo County District No. 71 County San Mateo System Name **COUNTY SERVICE AREA 11** System No. 4100582 Source Name WELL 01 Source No. 001 PS Code 4100582-001 Completed by chris day **Date** November, 2002 THE FOLLOWING INFORMATION MUST BE INCLUDED IN THE SYSTEM CONSUMER CONFIDENCE REPORT A source water assessment was conducted for the WELL 01 of the **COUNTY SERVICE AREA 11** water system in November, 2002 The source is considered most vulnerable to the following activities not associated with any detected contaminants: Historic waste dumps/ landfills Discussion of Vulnerability There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source. The source is most vulnerable to the following activities that were identified within the recharge area for Well 01: Historic Waste Dumps/Landfills - Potential source of household and industrial chemicals.

- 2. Transportation Corridors Road Right-of-ways (herbicide use areas) potential source of herbicides used to control weeds along roadside and potential source of automotive chemicals.

The CSA 11 public water system conducts routine periodic monitoring of the water quality from well 1 to ensure that the water supply is safe for human consumption. The well head is secured and protected from surface flooding.

A copy of the complete assessment may be viewed at:

Environmental Health Services 455 County Center, 4th floor Redwood City, CA 94063

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

Christopher Day **Environmental Health Specialist** 650-363-4727 650-363-7882 (fax) cday@co.sanmateo.ca.us

Drinking Water Source Assessme and Protection (DWSAP) Program

Physical	Barrier Effecti	venes	s (PRF)	张宇 列尼克	T. MORE LAND	馬利斯特魯斯馬克	
District Name	LPA San Mateo County		District No. 71				
System Name	COUNTY SERVICE AF			_ County			
Source Name	WELL 01	VET II	Cause N.				100582
			Source No	001	PS Code	41005	82-001
Completed by	chris day		Date _	Novem	ber, 2002		
Parameter					Possible Points	This Source	Scor
Type of Aquife Confinement	er					Cource	0001
	Semi-confined, Fractured Ro	ck Linknow	/n Aquifor				
2. Confined	3, 110010,00110		0				
Pathways of C	optomin 41 - /All A		50	X	50		
Presence of Ab	ontamination (All Aque pandoned or Improperly De	lifers) estroyed W	Alle				
 Present within 	n Zone A (2 year TOT dista	nce)	Yes				
			No		0		
		1-	Unknown		5		
2. Present within Zone B5 (2 -5 year TOT distance)			Yes		0	X	0
		´ =	No		3		
		-	Unknown		0		
Present within Zone B10 (5-10 year TOT distance) Yes					0	X	0
			No		2		
			Unknown		0	X	
What is the relati	(Confined Aquifers) ionship in the hydraulic ho confined aquifer? (i.e. do	es the well	flow under artesian co.	and			0
conditions.	ed aquiter is higher than hea	ad in uncon	fined aquifer under all		20		
ooridations.	ed aquifer is higher than hea				10		
	ed aquifer is lower than or sanditions.	ime as head	d in unconfined aquifer		0		
4. Unknown					0	X	
Vell Construction	n (All Aquifers)						0
	inular Seal) Depth	None of I	ess than 20 feet				
			20 and 50 feet		0		
		50 feet or			6		
	_	Unknown			10	X	10
Surface Seal (con	crete cap)		ent or improperly construc		0		
•	-		t, slopes away from well		0		
		at least 2'	laterally in all directions		4	x	4
		Unknown			0		

WELL DATA SHEET (Sheet 1 of 3)

Complete as much information as possible. Leave blank if inform * Indicates items required for Source Water Assessment	** Indiana available, use N.A. if not	applicable.
	** Indicates additional items require	ed for Ground Water R
DATA SHEET GENERAL INFORMATION		Actual or Estimate
System Name		
System Number		Control of the second
Source of Information (See Note 1)		
Personnel Collecting Information		5 15 15 15 15 15 15 15
Date		TOWN THE VIEW IS NOT
WELL IDENTIFICATION		100 A 2 B 2 B 2 B 2 B 2 B 2 B 2 B 2 B 2 B 2
* Well Number or Name	4/	Note that the second second
* DHS Source Identification Number (FRDS ID No.)		(Management of the control of the c
DWR Well Log on File? (yes or no)		THE NAME OF THE PARTY OF
State Well Number (from DWR)		A SA MANON AND AND AND AND AND AND AND AND AND AN
Well Status (Active, Standby, Inactive)		KNES INFORMATION
Date of Inactive Status (if applicable)		
VELL LOCATION		SUMMER STREET
Latitude		医沙克里斯斯特斯斯斯斯
Longitude		
Elevation		
Street Address		
* Neighborhood/Surrounding Area (see Note 2)		MARKET SERVICE OF THE
Site plan on file? (yes or no)	rural	AND THE RESERVE TO SERVE TO SE
Site plan on file? (yes or no) DWR Ground Water Basin		
DWR Ground Water Sub-basin		Control of the Contro
ANITARY CONDITIONS		PARTY PROPERTY OF THE PROPERTY
* Distance to: Sever Line C		學等等種物學解析
* Distance to: Sewer Line, Sewage Disposal, or Septic tank Distance to: Other sanitary concerns	greater than 20	n ft
Distance to: Other Wells (Active)	J TOOL BIRGHT EO	J 10.
Distance to: Other Wells (Abandoned)		
Size of controlled area around well (square feet)	150 ft.	
Type of access control to the state of access control to the s	100 square ft.	
Type of access control to well site (See Note 3) Surface Seal? (Concrete slab) (yes or no)	concrete box	
Dimensions of concrete surface slab (ft)	yes	
		The Park of the Pa
Drainage	10ft. x 10 ft.	TOTAL CONTRACTOR
CLOSURE/HOUSING (yes or no)	yes	THE STREET STREET
/pe	jes	多月的人员
ondition		-10 mg
t depth (if applicable)	concrete box	
t Drained? (i. applicable)	good	"种种的原始的 "
t Drained? (if applicable) 00r (material)		

Dillining Wat	ei Source Assessine, Ind Prote	Ction (DW)	SAP) Prog	gram i	7.	
Inventor	y of Possible Contan	ninatin	g Acti	vities	P(CA Inventory)
District Name	LPA San Mateo County	District				San Mateo
System Name	COUNTY SERVICE AREA 11	_			.y _	
Source Name	WELL 01	S	ource No	001	_	
						PS Code4100582-001
Completed by	chris day		Date	Nove	mbe	er, 2002
PCA (Risk Rankin	g)	PCA in Zone A	PCA in Zone B5	PCA in Zone B10	*	Comments
Commercial/I	ndustrial Activites					
Automobile- Body s	hops (H)	N	N	N	-	
Automobile- Car wa	shes (M)	N	N	N	-1	
Automobile- Gas sta	ations (VH)	N	N	N		
Automobile- Repair	shops (H)	N	N	N	-	
Boat services/repair	/ refinishing (H)	N	N	N		
Chemical/petroleum	pipelines (H)	N	N	N	-	
Chemical/petroleum	processing/storage (VH)	N	N	N	-1	
Dry cleaners (VH)		N	N	N		3
Electrical/electronic	manufacturing (H)	N	N	N		
Fleet/truck/bus term	inals (H)	N	N	N		
Furniture repair/ ma	nufacturing (H)	N	N	N	\dashv	
Home manufacturing	g (H)	N	N	N		
Junk/scrap/salvage	yards (H)	N	N	N	-	
Machine shops (H)		N	N	N	\dashv	The second secon
Metal plating/ finishii	ng/fabricating (VH)	N	N	N	-	
Photo processing/pr	inting (H)	N	N	N	-	.7
Plastics/synthetics p	roducers (VH)	N	N	N	\neg	
Research laboratorie	es (H)	N	N	N		
Wood preserving/tre	ating (H)	N	N	N	\dashv	
Wood/pulp/paper pro	ocessing and mills (H)	N	N	N	-	
Lumber processing a	and manufacturing (H)	N	N	N	+	
Sewer collection sys	tems (H, if in Zone A, otherwise L)	N	N	N	\dashv	
Parking lots/malls (>	50 spaces) (M)	N	N	N	\dashv	
Cement/concrete pla	ints (M)	N	N	N	\dashv	
ood processing (M)		N	N	N	+	
uneral services/gra	veyards (M)	N	N	N	\dashv	
-lardware/lumber/pa	rts stores (M)	N	N	N	\forall	
Appliance/Electronic	Repair (L)	N	N	N	\forall	
Office buildings/com	nleves (I)				-	

Y = Yes N = No U = Unknown

Rental Yards (L)

RV/mini storage (L)

N

N

N

N

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

Drinking Water Source Assessmel nd Protection (DWSAP) Program

Inventory of Possible Contaminating Activities (PCA Inventory)								
District Name	LPA San Mateo County	District I	No71	Coun	ty	San Mateo		
System Name	COUNTY SERVICE AREA 11		· ·	_		System	No.	4100582
Source Name	WELL 01	s	ource No.	001		PS Code	-	0582-001
Completed by	chris day		Date	Nove	mbe	er, 2002		
PCA (Risk Ranking	g)	PCA in Zone A	PCA in Zone B5	PCA in Zone B10	*	Comments		
Agricultural/R	ural Activites							
Zone A, otherwise N		N	N	N				
defined in federal re H)	al Feeding Operations (CAFOs) as gulation1 (VH in Zone A, otherwise	N	N	N				
regulation2 (VH in Z		N	N	N				
Other Animal operations (H in Zone A, otherwise M)		N	N	N				
	butor/ application service (H)	N	N	N				
Farm machinery rep		N	N	N			8	
Septic systems - low otherwise L)	density (<1/acre) (H in Zone A,	N	U	U				
Lagoons / liquid was	tes (H)	N	N	N				
Machine shops (H)		N	N	N				
	etroleum storage & transfer areas (H)	N	N	N				
	e (H in Zone A, otherwise M)	N	Υ	Υ				
Wells - Agricultural/	Irrigation (H)	N	U	U				
Managed Forests (M)	N	N	N				
greenhouses, vineya	ries, hops, mint, orchards, sod, ırds, nurseries, vegetable) (M)	N	N	N				
	Herbicide Application (M)	N	U	U				
Sewage sludge/biosc		N	N	N				
	e.g., Christmas trees, grains, grass (L) (includes drip-irrigated crops)	N	N	N				

Y = Yes N = NoU = Unknown

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

Inventory of Possible Contaminating Activities (PCA Inventory)

System Name **COUNTY SERVICE AREA 11** System No. 4100582 Source Name WELL 01 Source No. 001 PS Code _ 4100582-001 PCA in PCA in PCA in PCA (Risk Ranking) Zone A Zone B5 Zone B10 Comments **Other Activites** Transportation corridors - Historic railroad right-of-ways N Ν N (M) Transportation corridors - Road Right-of-ways (herbicide Y Υ Y use areas) (M) Transportation corridors - Roads/ Streets (L) Y Y N 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 N N N water) (L) Artificial Recharge Projects - Injection wells (non-potable N N N water) (M) Artificial Recharge Projects - Spreading Basins (potable N N water) (L) Artificial Recharge Projects - Spreading Basins N N N (non-potable water) (M) Medical/dental offices/clinics (L) N N Veterinary offices/clinics (L) N N Surface water - streams/ lakes/rivers (L) N N irrigation pond Wells - monitoring, test holes (L) Y Υ near the old landfill

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

