GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

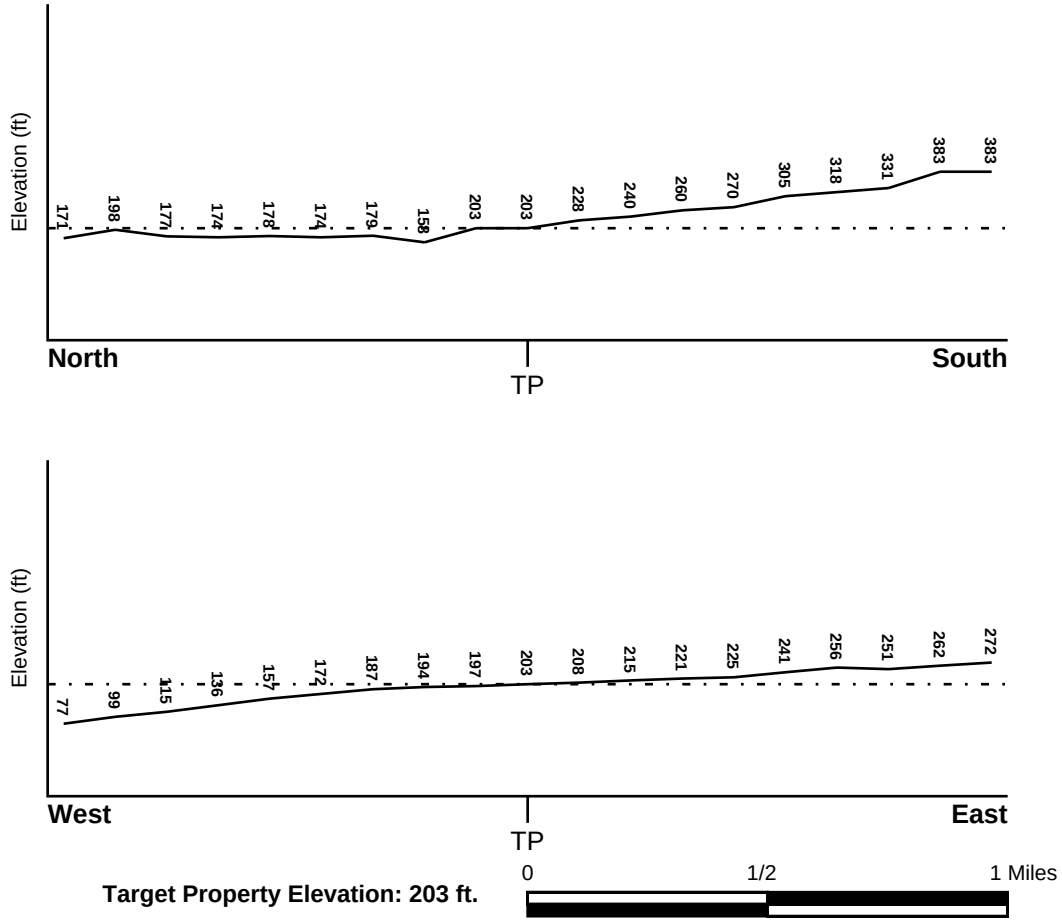
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
Not Reported	

Additional Panels in search area:	FEMA Source Type
06081C0030E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
SAN FRANCISCO NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
B2	1/4 - 1/2 Mile East	Not Reported
B4	1/4 - 1/2 Mile East	W
5	1/4 - 1/2 Mile ENE	S
6	1/2 - 1 Mile East	Not Reported
7	1/2 - 1 Mile SSW	Varies
10	1/2 - 1 Mile SSE	Not Reported
1G	1/4 - 1/2 Mile ENE	S
2G	1/2 - 1 Mile East	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
3G	1/4 - 1/2 Mile East	W
4G	1/4 - 1/2 Mile East	Not Reported
5G	1/2 - 1 Mile SSW	Varies
6G	1/2 - 1 Mile SSE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

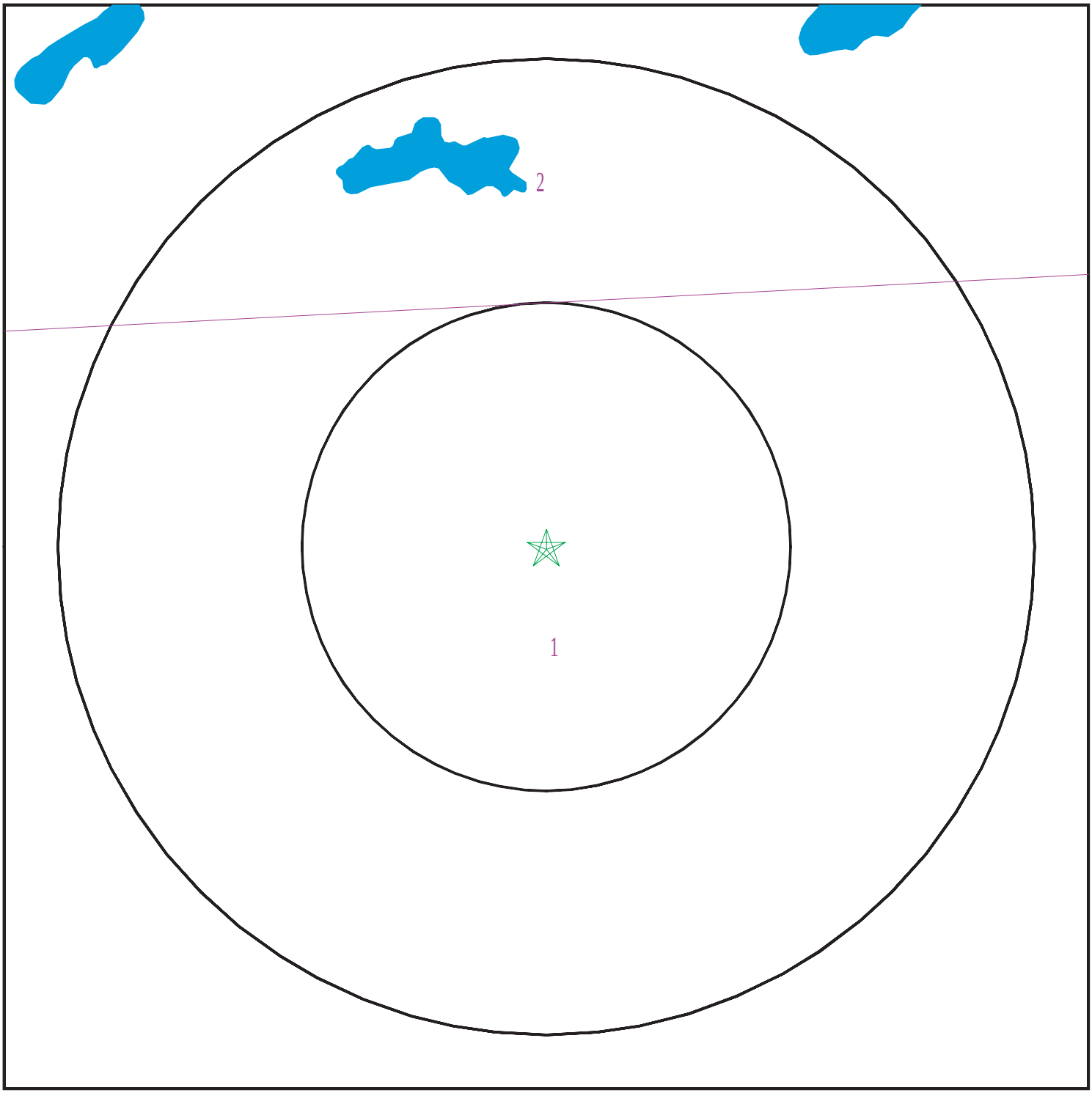
Era:	Mesozoic
System:	Cretaceous
Series:	Upper Mesozoic
Code:	uMze*(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5541516.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	San Francisco Police Credit Union Building	CLIENT:	Allwest Environmental Inc.
ADDRESS:	2550 Irving Street San Francisco CA 94122	CONTACT:	Belinda Blackie
LAT/LONG:	37.763424 / 122.485098	INQUIRY #:	5541516.2s
		DATE:	January 23, 2019 5:46 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Sirdrak

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1
2	16 inches	59 inches	sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000185480	1/4 - 1/2 Mile NE
A3	USGS40000185481	1/4 - 1/2 Mile NE
C8	USGS40000185471	1/2 - 1 Mile ENE
C9	USGS40000185470	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No PWS System Found

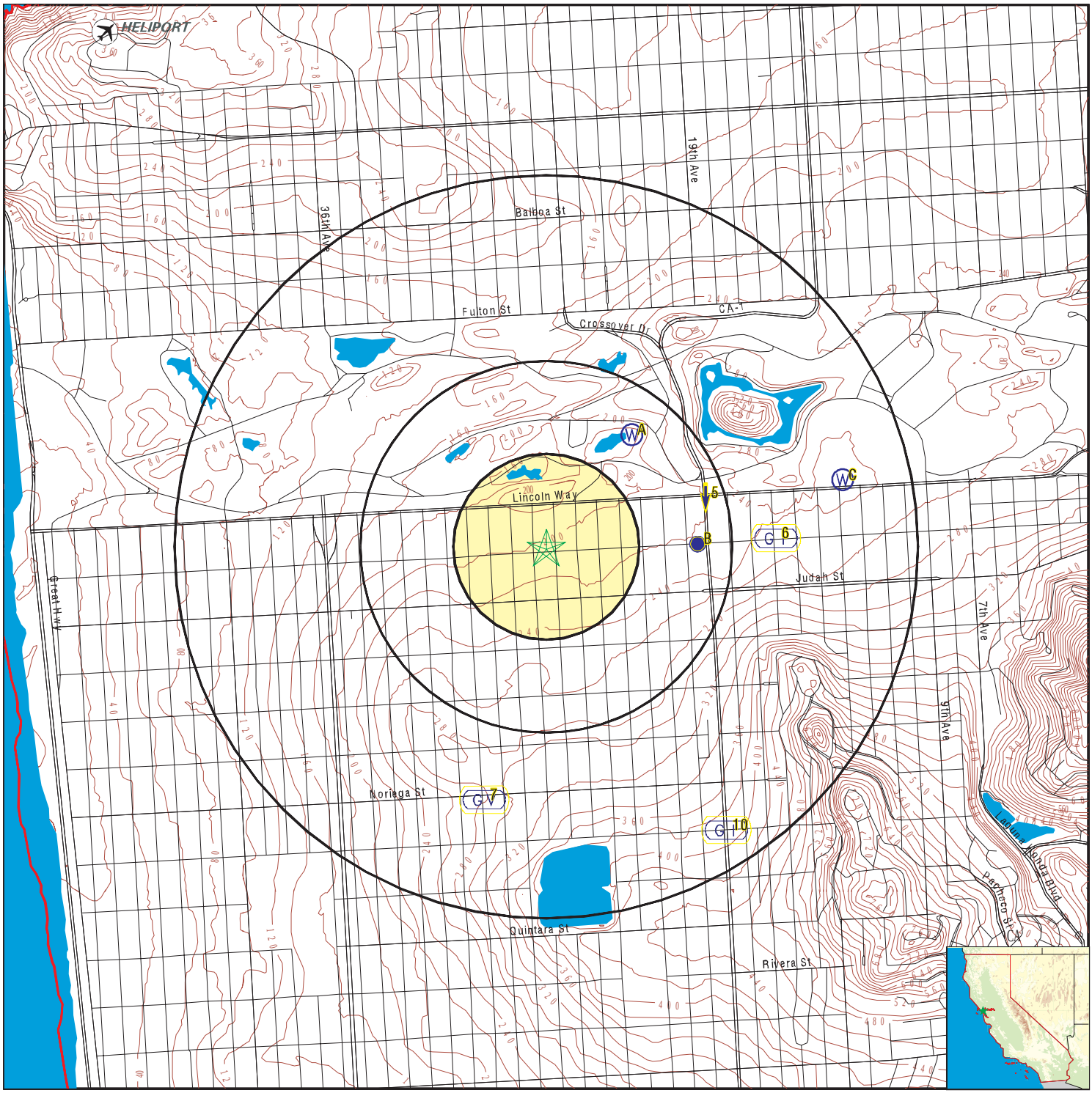
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 5541516.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	San Francisco Police Credit Union Building	CLIENT:	Allwest Environmental Inc.
ADDRESS:	2550 Irving Street San Francisco CA 94122	CONTACT:	Belinda Blackie
LAT/LONG:	37.763424 / 122.485098	INQUIRY #:	5541516.2s
		DATE:	January 23, 2019 5:46 pm

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000185480**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S006W11R002M	Type:	Well
Description:	MP IS CONSIDERED TO BE AT LAND SURFACE.		
HUC:	18050006	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	California Coastal Basin aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19890612	Well Depth:	72
Well Depth Units:	ft	Well Hole Depth:	72
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	23	Level reading date:	1993-02-06
Feet below surface:	49.83	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1992-02-04	Feet below surface:	44.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-17	Feet below surface:	43.64
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-02	Feet below surface:	46.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-02-07	Feet below surface:	46.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-01-10	Feet below surface:	45.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-05	Feet below surface:	45.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-11-07	Feet below surface:	45.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-10	Feet below surface:	45.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-05	Feet below surface:	45.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-02	Feet below surface:	44.79
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.
Level reading date:	1990-08-02	Feet below surface:	44.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-06	Feet below surface:	43.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-02	Feet below surface:	43.22
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1990-04-04	Feet below surface:	42.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-07	Feet below surface:	43.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-06	Feet below surface:	42.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-06	Feet below surface:	43.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-20	Feet below surface:	42.89
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1989-10-25	Feet below surface:	42.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-19	Feet below surface:	42.85
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-08-16	Feet below surface:	41.53
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1989-07-06	Feet below surface:	42.96
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		

B2
East
1/4 - 1/2 Mile
Higher

AQUIFLOW **51048**

Site ID:	10649
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	75 ft
Date:	07/03/1996

A3
NE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000185481**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S006W11R001M	Type:	Well
Description:	Not Reported	HUC:	18050006
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19820518	Well Depth:	360
Well Depth Units:	ft	Well Hole Depth:	370
Well Hole Depth Units:	ft		
Ground water levels,Number of Measurements:	39	Level reading date:	1993-02-06
Feet below surface:	62.26	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1992-02-04	Feet below surface:	50.02

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-17	Feet below surface:	48.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-02	Feet below surface:	55.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-02-07	Feet below surface:	58.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-05	Feet below surface:	56.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-11-07	Feet below surface:	57.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-10	Feet below surface:	57.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-05	Feet below surface:	58.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-02	Feet below surface:	58.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-02	Feet below surface:	59.30
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.
Level reading date:	1990-06-06	Feet below surface:	53.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-02	Feet below surface:	53.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-04	Feet below surface:	53.41
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-03-07	Feet below surface:	51.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-06	Feet below surface:	50.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-06	Feet below surface:	63.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-20	Feet below surface:	63.89
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1989-10-25	Feet below surface:	56.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-19	Feet below surface:	57.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-08-16	Feet below surface:	62.23
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1989-07-06	Feet below surface:	70.00

Feet to sea level: Not Reported
Note: A nearby site that taps the same aquifer was being pumped.

Level reading date: 1989-06-01 Feet below surface: 69.29
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1989-04-24 Feet below surface: 60.37
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1989-03-14 Feet below surface: 53.06
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1989-02-07 Feet below surface: 76.85
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1989-01-04 Feet below surface: 64.68
Feet to sea level: Not Reported
Note: A nearby site that taps the same aquifer was being pumped.

Level reading date: 1988-11-09 Feet below surface: 52.90
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1988-08-15 Feet below surface: 56.34
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1988-07-19 Feet below surface: 55.00
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1988-06-14 Feet below surface: 65.17
Feet to sea level: Not Reported Note: The site was being pumped.

Level reading date: 1988-05-18 Feet below surface: 61.12
Feet to sea level: Not Reported Note: The site was being pumped.

Level reading date: 1988-05-18 Feet below surface: 50.84
Feet to sea level: Not Reported Note: The site had been pumped recently.

Level reading date: 1988-04-20 Feet below surface: 52.63
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1988-03-28 Feet below surface: 51.19
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1988-02-27 Feet below surface: 56.90
Feet to sea level: Not Reported Note: The site was being pumped.

Level reading date: 1988-01-15 Feet below surface: 43.92
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1987-12-10 Feet below surface: 45.82
Feet to sea level: Not Reported Note: Not Reported

Level reading date: 1987-10-02 Feet below surface: 69.0
Feet to sea level: Not Reported Note: Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
B4 **East** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-10339 W 46.94 47.49 Not Reported 10/20/1999	**AQUIFLOW**	**70758**
5 **ENE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0325 S 27.90 30.73 Not Reported 04/29/1998	**AQUIFLOW**	**70714**
6 **East** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-0278 Not Reported Not Reported Not Reported 0008 11/14/1990	**AQUIFLOW**	**70760**
7 **SSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-10011 Varies 7.63 14 Not Reported 07/26/1995	**AQUIFLOW**	**50900**

C8
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000185471**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S006W12Q002M	Type:	Well
Description:	SURVEYED MP ALTITUDE IS CONSIDERED TO BE AT LSD.		
HUC:	18050002	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	California Coastal Basin aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	250
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	5	Level reading date:	1990-03-06
Feet below surface:	34.73	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1990-02-06	Feet below surface:	34.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-06	Feet below surface:	34.62
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1987-12-10	Feet below surface:	30.91
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	46.00
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.

C9
ENE **FED USGS** **USGS40000185470**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S006W12Q001M	Type:	Well
Description:	SURVEYED MP ALTITUDE IS CONSIDERED TO BE AT LSD.		
HUC:	18050002	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	California Coastal Basin aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	250
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	38	Level reading date:	1993-02-06
Feet below surface:	47.02	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1992-09-16	Feet below surface:	49.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-06-11	Feet below surface:	47.54
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-02-05	Feet below surface:	43.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-09-18	Feet below surface:	44.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-05-03	Feet below surface:	42.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-02-05	Feet below surface:	42.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-04	Feet below surface:	42.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-10-11	Feet below surface:	43.27
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-09-06	Feet below surface:	43.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-08-02	Feet below surface:	43.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-07-03	Feet below surface:	42.81
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1990-06-06	Feet below surface:	41.82
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-05-02	Feet below surface:	41.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-04-05	Feet below surface:	40.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-02-06	Feet below surface:	39.38
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-12-06	Feet below surface:	39.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-21	Feet below surface:	40.99
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-10-25	Feet below surface:	40.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-09-19	Feet below surface:	40.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-08-16	Feet below surface:	41.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-07-07	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1989-06-01	Feet below surface:	40.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-04-24	Feet below surface:	37.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-03-14	Feet below surface:	37.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-02-07	Feet below surface:	37.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-01-04	Feet below surface:	37.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-15	Feet below surface:	38.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-08-17	Feet below surface:	39.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-19	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1988-06-14	Feet below surface:	Not Reported
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1988-05-18	Feet below surface:	35.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-04-20	Feet below surface:	36.07
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1988-03-28	Feet below surface:	35.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-02-27	Feet below surface:	35.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-01-15	Feet below surface:	35.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-10	Feet below surface:	35.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-10-02	Feet below surface:	78.0
Feet to sea level:	Not Reported	Note:	Not Reported

10
SSE
1/2 - 1 Mile
Higher

Site ID:	C232
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	51.5
Date:	11/02/1998

AQUIFLOW **69132**

1G
ENE
1/4 - 1/2 Mile
Lower

Site ID:	38-0325
Groundwater Flow:	S
Shallow Water Depth:	27.90
Deep Water Depth:	30.73
Average Water Depth:	Not Reported
Date:	04/29/1998

AQUIFLOW **70714**

2G
East
1/2 - 1 Mile
Lower

Site ID:	38-0278
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	0008
Date:	11/14/1990

AQUIFLOW **70760**

3G
East
1/4 - 1/2 Mile
Lower

Site ID:	38-10339
Groundwater Flow:	W
Shallow Water Depth:	46.94
Deep Water Depth:	47.49
Average Water Depth:	Not Reported
Date:	10/20/1999

AQUIFLOW **70758**

4G
East
1/4 - 1/2 Mile
Lower

Site ID:	10649
Groundwater Flow:	Not Reported
Shallow Water Depth:	Not Reported
Deep Water Depth:	Not Reported
Average Water Depth:	75 ft
Date:	07/03/1996

AQUIFLOW **51048**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
5G **SSW** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	38-10011 Varies 7.63 14 Not Reported 07/26/1995	**AQUIFLOW**	**50900**
6G **SSE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallow Water Depth: Deep Water Depth: Average Water Depth: Date:	C232 Not Reported Not Reported Not Reported 51.5 11/02/1998	**AQUIFLOW**	**69132**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
94122	41	2

Federal EPA Radon Zone for SAN FRANCISCO County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94122

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.667 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.