

GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WINTERHAVEN FIRE DEPT.
495 S. 3RD AVENUE
WINTERHAVEN, CA 92283

TARGET PROPERTY COORDINATES

Latitude (North): 32.737948 - 32° 44' 16.61"
Longitude (West): 114.637819 - 114° 38' 16.15"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 721346.2
UTM Y (Meters): 3624514.5
Elevation: 130 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 6719333 YUMA WEST, AZ
Version Date: 2014

Northeast Map: 5630695 BARD, CA
Version Date: 2012

Southeast Map: 6718247 YUMA EAST, AZ
Version Date: 2014

Northwest Map: 5630693 ARAZ, CA
Version Date: 2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

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).

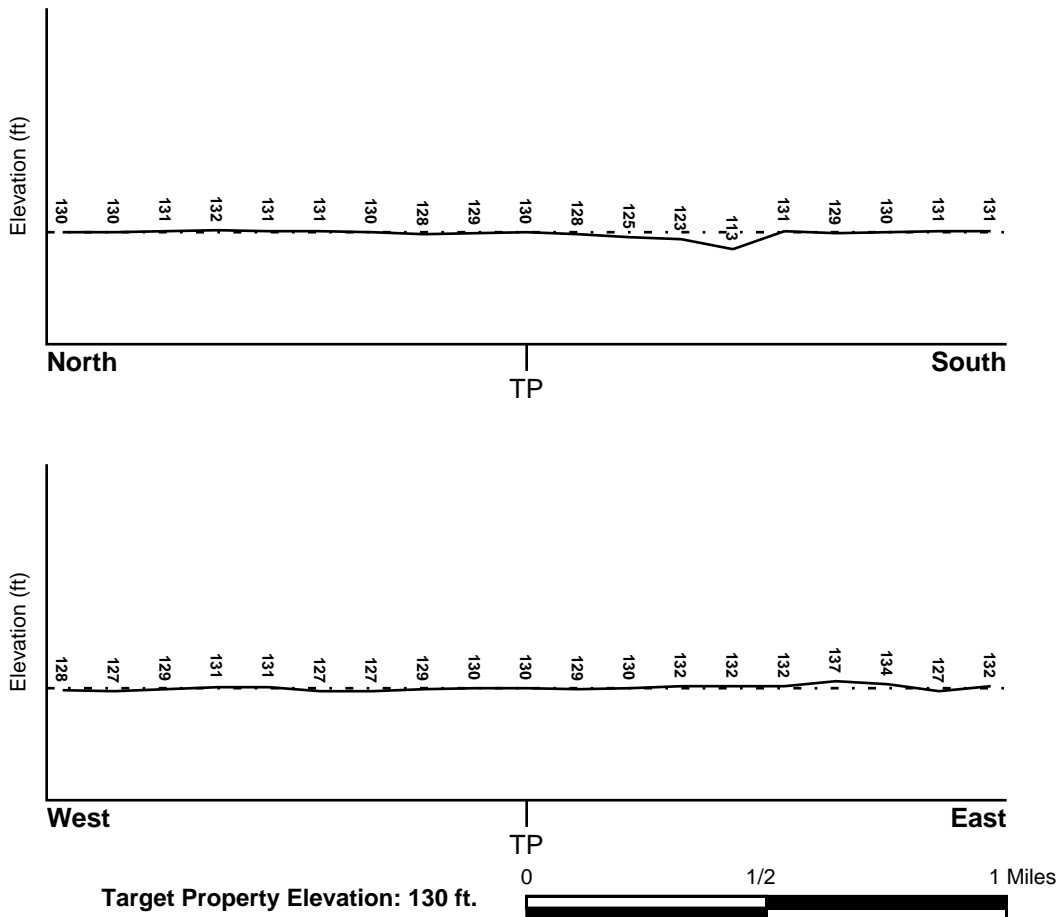
TOPOGRAPHIC INFORMATION

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 SSW

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

<u>Target Property County</u> IMPERIAL, CA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	06025C - FEMA DFIRM Flood data
Additional Panels in search area:	04027C - FEMA DFIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> YUMA WEST	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

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

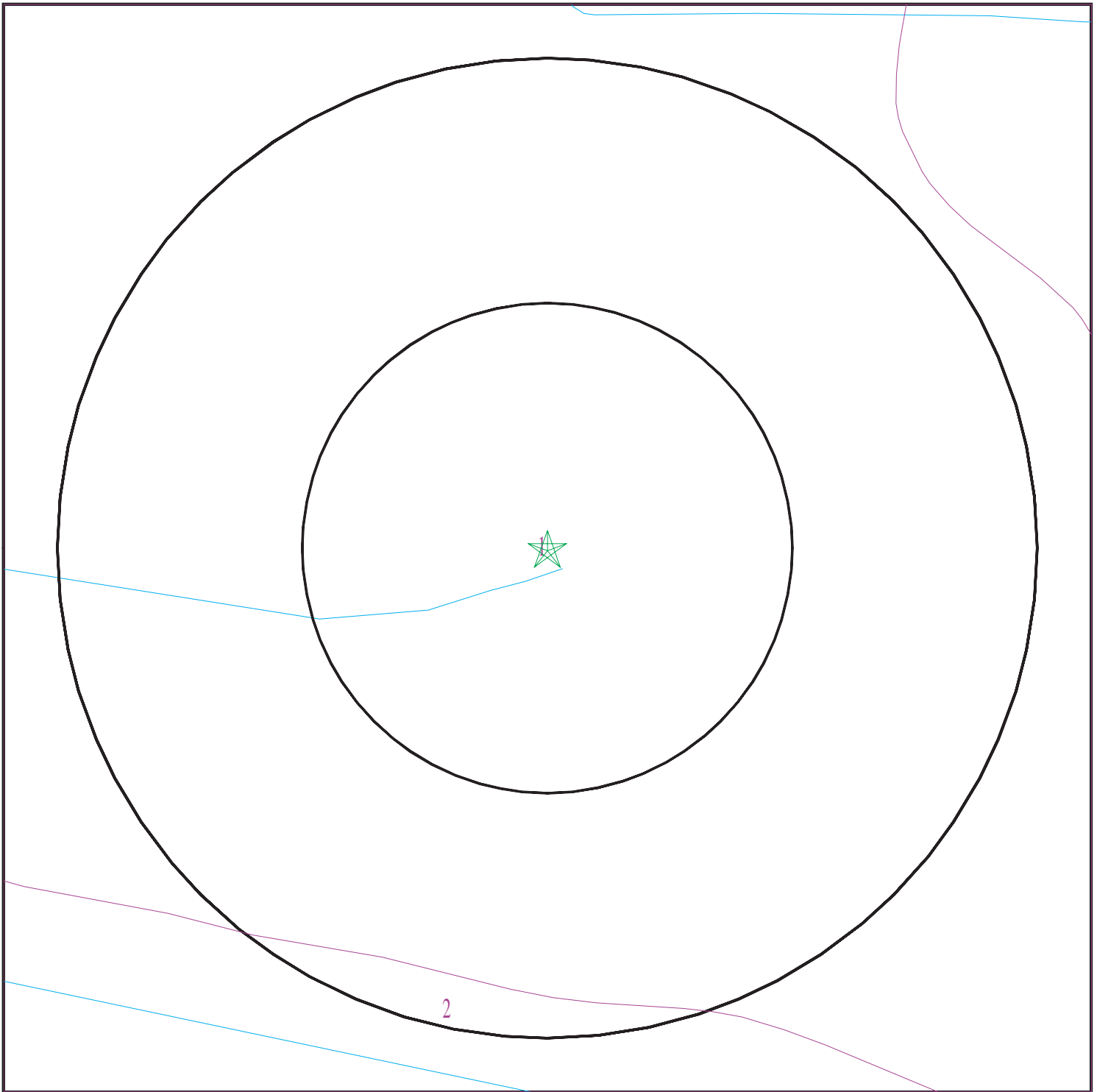
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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 - 4692873.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water

0 1/16 1/8 1/4 Miles



SITE NAME: Winterhaven Fire Dept.
ADDRESS: 495 S. 3rd Avenue
Winterhaven CA 92283
LAT/LONG: 32.737948 / 114.637819

CLIENT: GS Lyon Consultants
CONTACT: Pete Labrucherie
INQUIRY #: 4692873.2s
DATE: August 04, 2016 7:33 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: HOLTVILLE

Soil Surface Texture: clay

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 9 Min: 7.4
2	0 inches	12 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 9 Min: 7.4
3	12 inches	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 9 Min: 7.4
4	12 inches	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.4 Min: 0.42	Max: 9 Min: 7.4

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
5	22 inches	74 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.4
6	22 inches	74 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.4

Soil Map ID: 2

Soil Component Name: INDIO

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.9
3	5 inches	62 inches	stratified very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.9
4	5 inches	62 inches	stratified very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 7.9

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

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS40000126312	0 - 1/8 Mile SW
A2	USGS40000126313	0 - 1/8 Mile WSW
A4	USGS40000126302	0 - 1/8 Mile South
C8	USGS40000129650	1/8 - 1/4 Mile SW
B10	USGS40000126316	1/8 - 1/4 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C11	USGS40000128500	1/8 - 1/4 Mile SSW
C12	USGS40000126284	1/8 - 1/4 Mile SSW
D13	USGS40000126282	1/8 - 1/4 Mile SSW
F15	USGS40000126337	1/8 - 1/4 Mile ENE
G16	USGS40000126338	1/4 - 1/2 Mile WNW
G17	USGS40000126341	1/4 - 1/2 Mile WNW
G18	USGS40000126342	1/4 - 1/2 Mile WNW
E19	USGS40000126311	1/4 - 1/2 Mile East
D20	USGS40000126276	1/4 - 1/2 Mile SSW
F21	USGS40000126336	1/4 - 1/2 Mile ENE
D22	USGS40000126275	1/4 - 1/2 Mile SSW
24	USGS40000126273	1/4 - 1/2 Mile SSW
H25	USGS40000126277	1/4 - 1/2 Mile SW
I29	USGS40000126269	1/4 - 1/2 Mile SE
I30	USGS40000126268	1/4 - 1/2 Mile SE
J31	USGS40000126260	1/2 - 1 Mile SSE
J32	USGS40000126259	1/2 - 1 Mile SSE
K33	USGS40000045632	1/2 - 1 Mile SSW
K34	USGS40000045626	1/2 - 1 Mile South
M36	USGS40000126382	1/2 - 1 Mile NNW
K37	USGS40000045621	1/2 - 1 Mile South
L38	USGS40000126386	1/2 - 1 Mile NNE
K40	USGS40000045617	1/2 - 1 Mile South
K41	USGS40000045611	1/2 - 1 Mile South
N42	USGS40000045606	1/2 - 1 Mile South
N43	USGS40000045590	1/2 - 1 Mile South
O44	USGS40000045578	1/2 - 1 Mile SSW
O45	USGS40000045581	1/2 - 1 Mile SSW
O46	USGS40000045580	1/2 - 1 Mile SSW
O47	USGS40000045579	1/2 - 1 Mile SSW
P48	USGS40000045577	1/2 - 1 Mile SSE
P49	USGS40000045566	1/2 - 1 Mile SSE
Q50	USGS40000126292	1/2 - 1 Mile West
S53	USGS40000126362	1/2 - 1 Mile WNW
R54	USGS40000126305	1/2 - 1 Mile East
T55	USGS40000045565	1/2 - 1 Mile SSE
T56	USGS40000045563	1/2 - 1 Mile SSE
T57	USGS40000045564	1/2 - 1 Mile SSE
U60	USGS40000045672	1/2 - 1 Mile WSW
T61	USGS40000045562	1/2 - 1 Mile SE
T62	USGS40000045553	1/2 - 1 Mile SSE
U63	USGS40000045685	1/2 - 1 Mile WSW
64	USGS40000126328	1/2 - 1 Mile East
65	USGS40000045598	1/2 - 1 Mile SW
V66	USGS40000126387	1/2 - 1 Mile NW
W67	USGS40000126256	1/2 - 1 Mile ESE
W68	USGS40000126255	1/2 - 1 Mile ESE
W69	USGS40000126253	1/2 - 1 Mile ESE
70	USGS40000126381	1/2 - 1 Mile ENE
W71	USGS40000126252	1/2 - 1 Mile ESE
73	USGS40000045576	1/2 - 1 Mile SE
W74	USGS40000126251	1/2 - 1 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
75	USGS40000126248	1/2 - 1 Mile SE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A3	CADW60000026475	0 - 1/8 Mile West
A5	CADW60000026476	0 - 1/8 Mile SSW
6	CADW60000009136	0 - 1/8 Mile West
B7	CADW60000009135	0 - 1/8 Mile East
B9	13214	1/8 - 1/4 Mile ENE
E14	CADW60000025815	1/8 - 1/4 Mile East
G23	CADW60000026474	1/4 - 1/2 Mile WNW
H26	CADW60000026477	1/4 - 1/2 Mile SW
I27	CADW60000023904	1/4 - 1/2 Mile SE
I28	CADW60000026478	1/4 - 1/2 Mile SE
L35	CADW60000025814	1/2 - 1 Mile NNE
M39	CADW60000009134	1/2 - 1 Mile NNW
R51	CADW60000009133	1/2 - 1 Mile East
Q52	CADW60000009137	1/2 - 1 Mile West
58	13212	1/2 - 1 Mile WSW
S59	CADW60000025816	1/2 - 1 Mile WNW
V72	CADW60000025798	1/2 - 1 Mile NW

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
SW
0 - 1/8 Mile
Higher

FED USGS USGS40000126312

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324416114381401		
Monloc name:	016S022E27K001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7378245
Longitude:	-114.6380086	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	125.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	19740815	Welldepth:	195
Welldepth units:	ft	Wellholedepth:	215
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1974-08-15	17	

A2
WSW
0 - 1/8 Mile
Higher

FED USGS USGS40000126313

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324416114381701		
Monloc name:	016S022E27K002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7377689
Longitude:	-114.6387864	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	130.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Unconfined single aquifer	Welldepth:	414
Construction date:	19830924	Wellholeddepth:	426
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1983-10-13	8.6	

A3
West
0 - 1/8 Mile
Higher

CA WELLS CADW60000026475

Objectid:	26475
Latitude:	32.7378
Longitude:	-114.6388
Site code:	327378N1146388W001
State well numbe:	16S22E27K001S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	13
County name:	Imperial
Basin code:	'7-36'
Basin desc:	Yuma Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000026475

A4
South
0 - 1/8 Mile
Lower

FED USGS USGS40000126302

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324413114381301		
Monloc name:	016S022E27K003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7369634
Longitude:	-114.6376752	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	127.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Unconfined single aquifer	Welldepth:	189
Construction date:	19840305	Wellholeddepth:	199
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1994-04-26	12.00	

A5
SSW
0 - 1/8 Mile
Lower

CA WELLS CADW60000026476

Objectid:	26476
Latitude:	32.737
Longitude:	-114.6385
Site code:	327370N1146385W001
State well numbe:	16S22E27K003S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	13
County name:	Imperial
Basin code:	'7-36'
Basin desc:	Yuma Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000026476

6
West
0 - 1/8 Mile
Higher

CA WELLS CADW60000009136

Objectid:	9136
Latitude:	32.7378
Longitude:	-114.6396
Site code:	327378N1146396W001
State well numbe:	16S22E27K002S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	13
County name:	Imperial
Basin code:	'7-36'
Basin desc:	Yuma Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000009136

B7
East
0 - 1/8 Mile
Lower

CA WELLS CADW60000009135

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 9135
 Latitude: 32.738
 Longitude: -114.6359
 Site code: 327380N1146359W001
 State well numbe: 16S22E27J002S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 13
 County name: Imperial
 Basin code: '7-36'
 Basin desc: Yuma Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000009135

C8
SW
1/8 - 1/4 Mile
Lower

FED USGS USGS40000129650

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-324411114381801		
Monloc name:	016S022E27K001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7364356
Longitude:	-114.6391197	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	127
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 25

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-11-01	13.70		2004-03-18	13.72	
2003-10-21	14.11		2003-03-24	13.61	
2002-10-31	12.89		2002-03-13	12.57	
2001-10-23	12.81		2001-03-27	12.80	
2000-10-24	11.83		2000-03-29	12.90	
1999-10-25	12.44		1999-03-16	12.32	
1998-10-28	12.43		1998-03-24	9.17	
1997-10-21	11.35		1997-03-18	11.91	
1996-10-16	12.72		1996-03-20	12.79	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-10-17	11.67		1995-03-31	12.19	
1994-10-27	10.76		1994-03-15	12.38	
1993-10-20	8.88		1993-04-13	9.30	
1992-09-22	14.97				

B9
ENE
1/8 - 1/4 Mile
Lower

CA WELLS 13214

Water System Information:

Prime Station Code: 16S/22E-27H02 S	User ID: WAT	
FRDS Number: 1310009003	County: Inperial	
District Number: 14	Station Type: WELL/AMBNT/MUN/INTAKE	
Water Type: Well/Groundwater	Well Status: Active Raw	
Source Lat/Long: 324418.0 1143805.0	Precision: 100 Feet (one Second)	
Source Name: WELL 02		
System Number: 1310009		
System Name: Winterhaven WD		
Organization That Operates System: P.O. Box 787 Winterhaven, CA 92283-0787		
Pop Served: 1050	Connections: 198	
Area Served: WINTERHAVEN		
Sample Collected: 03-JAN-07	Findings: 10. UNITS	
Chemical: COLOR		

B10
East
1/8 - 1/4 Mile
Lower

FED USGS USGS40000126316

Org. Identifier: USGS-AZ		
Formal name: USGS Arizona Water Science Center		
Monloc Identifier: USGS-324417114380401		
Monloc name: 016S022E27J002S		
Monloc type: Well		
Monloc desc: Not Reported		
Huc code: 15030107	Drainagearea value: Not Reported	
Drainagearea Units: Not Reported	Contrib drainagearea: Not Reported	
Contrib drainagearea units: Not Reported	Latitude: 32.7379634	
Longitude: -114.6351196	Sourcemap scale: 24000	
Horiz Acc measure: .1	Horiz Acc measure units: seconds	
Horiz Collection method: Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys: NAD83	Vert measure val: 130.	
Vert measure units: feet	Vertacc measure val: 2.5	
Vert accmeasure units: feet		
Vertcollection method: Interpolated from topographic map		
Vert coord refsys: NGVD29	Countrycode: US	
Aquifername: Not Reported		
Formation type: Holocene Alluvium		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Unconfined single aquifer	Welldepth:	506
Construction date:	19780728	Wellholedepth:	529
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1978-08-08	10	

C11
SSW
1/8 - 1/4 Mile
Lower

FED USGS USGS40000128500

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-334408114381801		
Monloc name:	016S022ENW27KD3		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030104	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7356023
Longitude:	-114.6391197	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	129.70
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710719	Welldepth:	104
Welldepth units:	ft	Wellholedepth:	104
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	16.41	

C12
SSW
1/8 - 1/4 Mile
Lower

FED USGS USGS40000126284

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324407114381801		
Monloc name:	016S022ENW27KD2		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7353246
Longitude:	-114.6391197	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	129.90
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710719	Welldepth:	58.3
Welldepth units:	ft	Wellholedepth:	58.3
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	16.66	

D13
SSW
1/8 - 1/4 Mile
Lower

FED USGS USGS40000126282

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324406114381801		
Monloc name:	016S022ENW27KD1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7350468
Longitude:	-114.6391197	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	129.50
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710719	Welldepth:	26.2
Welldepth units:	ft	Wellholedepth:	26.2
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	16.28	

E14
East
1/8 - 1/4 Mile
Higher

CA WELLS CADW60000025815

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 25815
 Latitude: 32.7378
 Longitude: -114.634
 Site code: 327378N1146340W001
 State well numbe: 16S22E26M001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 13
 County name: Imperial
 Basin code: '7-36'
 Basin desc: Yuma Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000025815

F15
ENE
1/8 - 1/4 Mile
Higher

FED USGS USGS40000126337

Org. Identifier:	USGS-AZ	
Formal name:	USGS Arizona Water Science Center	
Monloc Identifier:	USGS-324421114380001	
Monloc name:	016S022E27H001S	
Monloc type:	Well	
Monloc desc:	Not Reported	
Huc code:	15030107	Drainagearea value: Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea: Not Reported
Contrib drainagearea units:	Not Reported	Latitude: 32.7392133
Longitude:	-114.6341196	Sourcemap scale: 24000
Horiz Acc measure:	1	Horiz Acc measure units: seconds
Horiz Collection method:	Interpolated from map	
Horiz coord refsys:	NAD83	Vert measure val: 130.
Vert measure units:	feet	Vertacc measure val: 2.5
Vert accmeasure units:	feet	
Vertcollection method:	Interpolated from topographic map	
Vert coord refsys:	NGVD29	Countrycode: US
Aquifername:	Not Reported	
Formation type:	Holocene Alluvium	
Aquifer type:	Unconfined single aquifer	
Construction date:	193401	Welldepth: 148
Welldepth units:	ft	Wellholedepth: 148
Wellholedepth units:	ft	

Ground-water levels, Number of Measurements: 3

	Feet below	Feet to		Feet below	Feet to
Date	Surface	Sealevel	Date	Surface	Sealevel

1965-11					
Note: The well was destroyed (no water level is recorded).					
1961-07-19	13.10		1934-01	8	

G16
WNW
1/4 - 1/2 Mile
Higher

FED USGS USGS40000126338

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324421114382801		
Monloc name:	016S022E27F001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7392133
Longitude:	-114.6418976	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	127.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	19590305	Welldepth:	105
Welldepth units:	ft	Wellholedepth:	105
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**G17
WNW
1/4 - 1/2 Mile
Higher**

FED USGS USGS40000126341

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324423114382801		
Monloc name:	016S022E27F002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7397133
Longitude:	-114.641842	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	128.5
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	19.12
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1995-08-11	10.11	

**G18
WNW
1/4 - 1/2 Mile
Higher**

FED USGS

USGS40000126342

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324423114382802		
Monloc name:	016S022E27F003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7397133
Longitude:	-114.641842	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	128.5
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	19.96
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 76

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-08-11	10.49		1994-07-11	11.1	
1994-06-03	10.7		1994-05-06	10.2	
1994-04-29	10.37		1994-04-18	10.7	
1994-03-04	10.9		1994-02-04	10.4	
1994-01-06	9.8		1993-12-03	8.8	
1993-11-04	7.9		1993-10-07	7.3	
1993-09-02	10.6		1993-07-30	10.7	
1993-06-29	10.1		1993-05-27	8.6	
1993-05-07	7.8		1993-04-16	7.8	
1993-03-05	10.3		1993-02-04	12.0	
1992-09-24	12.5		1992-06-18	12.8	
1992-03-24	13.2		1992-01-07	12.6	
1991-09-18	13.9		1991-06-21	12.6	
1991-03-22	12.7		1991-01-03	12.2	
1990-12-06	11.6		1990-11-07	11.4	
1990-10-05	12.5		1990-09-17	13.3	
1990-08-07	13.3		1990-07-05	13.2	
1990-06-06	13.3		1990-05-16	13.1	
1990-04-10	13.1		1990-03-05	13.2	
1990-02-15	13.3		1990-01-12	12.6	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1989-12-08	11.2		1989-11-03	11.7	
1989-10-12	11.2		1989-08-30	12.6	
1989-08-03	12.5		1989-07-12	12.8	
1989-06-15	12.7		1989-05-04	12.2	
1989-04-07	12.5		1989-03-13	12.7	
1989-02-17	13.0		1989-01-20	12.3	
1988-12-15	9.7		1988-11-10	10.1	
1988-10-06	12.1		1988-09-21	12.3	
1988-08-19	12.9		1988-07-08	13.3	
1988-06-21	13.0		1988-05-18	12.8	
1988-04-07	13.7		1988-03-25	13.4	
1988-02-18	12.9		1988-01-15	12.6	
1987-12-17	12.3		1987-11-13	11.6	
1987-10-09	11.4		1987-09-09	13.1	
1987-08-14	12.9		1987-07-10	12.7	
1987-06-19	12.6		1987-05-13	12.0	
1987-04-16	10.6		1987-03-11	10.2	
1987-02-10	9.2		1987-01-17	9.3	

E19
East
1/4 - 1/2 Mile
Higher

FED USGS USGS40000126311

Org. Identifier: USGS-AZ
 Formal name: USGS Arizona Water Science Center
 Monloc Identifier: USGS-324416114375601
 Monloc name: 016S022E26M001S
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 15030107
 Drainagearea Units: Not Reported
 Contrib drainagearea units: Not Reported
 Longitude: -114.6331473
 Horiz Acc measure: .1
 Horiz Collection method: Differentially corrected Global Positioning System (DGPS)
 Horiz coord refsys: NAD83
 Vert measure units: feet
 Vert accmeasure units: feet
 Vertcollection method: Interpolated from topographic map
 Vert coord refsys: NGVD29
 Aquifername: Not Reported
 Formation type: Holocene Alluvium
 Aquifer type: Unconfined single aquifer
 Construction date: 198907
 Welldepth units: ft
 Wellholedepth units: Not Reported

Drainagearea value: Not Reported
 Contrib drainagearea: Not Reported
 Latitude: 32.7377967
 Sourcemap scale: 24000
 Horiz Acc measure units: seconds
 Vert measure val: 130.
 Vertacc measure val: 2.5
 Countrycode: US
 Welldepth: 21.4
 Wellholedepth: Not Reported

Ground-water levels, Number of Measurements: 44

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-07-13	12.93		1994-06-03	12.7	
1994-05-06	12.4		1994-05-04	12.36	
1994-04-18	12.5		1994-03-04	13.0	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-02-04	12.4		1994-01-06	11.8	
1993-12-03	10.9		1993-11-04	9.8	
1993-10-07	11.4		1993-09-02	12.2	
1993-07-30	12.1		1993-06-29	11.3	
1993-05-27	10.1		1993-05-07	9.6	
1993-04-16	8.6		1993-03-05	11.9	
1993-02-04	13.9		1992-09-24	14.1	
1992-06-18	14.9		1992-03-24	15.4	
1992-01-07	15.2		1991-09-18	16.0	
1991-06-21	15.0		1991-03-22	15.5	
1991-01-03	14.5		1990-12-06	12.5	
1990-11-07	14.3		1990-10-05	15.2	
1990-09-17	15.5		1990-08-07	15.4	
1990-07-05	15.4		1990-06-06	15.5	
1990-05-16	15.1		1990-04-10	15.6	
1990-03-05	15.6		1990-02-15	15.7	
1990-01-12	15.0		1989-12-08	13.2	
1989-11-03	14.1		1989-10-12	13.3	
1989-08-30	15.0		1989-08-03	14.9	

**D20
SSW
1/4 - 1/2 Mile
Lower**

FED USGS

USGS40000126276

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324403114381901		
Monloc name:	016S022ENW27QA3		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7342135
Longitude:	-114.6393975	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	128.80
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710715	Welldepth:	108
Welldepth units:	ft	Wellholedepth:	108
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1972-04-07	16.07	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

F21
ENE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000126336

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324421114375701		
Monloc name:	016S022E26E001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7392133
Longitude:	-114.6332862	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	130.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	196109	Welldepth:	133
Welldepth units:	ft	Wellholedepth:	141
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1961-10-29	14	

D22
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000126275

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324402114381901		
Monloc name:	016S022ENW27QA2		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7339357
Longitude:	-114.6393975	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	128.90
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	61.4
Construction date:	19710715	Wellholeddepth:	61.4
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	16.26	

G23
WNW
1/4 - 1/2 Mile
Higher

CA WELLS CADW60000026474

Objectid:	26474
Latitude:	32.7397
Longitude:	-114.6426
Site code:	327397N1146426W002
State well numbe:	16S22E27F003S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	13
County name:	Imperial
Basin code:	'7-36'
Basin desc:	Yuma Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000026474

24
SSW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000126273

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324401114381901		
Monloc name:	016S022ENW27QA1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.733658
Longitude:	-114.6393975	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	128.70
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Not Reported
 Construction date: 19710715 Welldepth: 20.9
 Welldepth units: ft Wellholedepth: 20.9
 Wellholedepth units: ft

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1972-04-07	16.08	

H25
SW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000126277

Org. Identifier: USGS-AZ
 Formal name: USGS Arizona Water Science Center
 Monloc Identifier: USGS-324404114382801
 Monloc name: 016S022E27P001S
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 15030107 Drainagearea value: Not Reported
 Drainagearea Units: Not Reported Contrib drainagearea: Not Reported
 Contrib drainagearea units: Not Reported Latitude: 32.7346024
 Longitude: -114.641842 Sourcemap scale: 24000
 Horiz Acc measure: .1 Horiz Acc measure units: seconds
 Horiz Collection method: Differentially corrected Global Positioning System (DGPS)
 Horiz coord refsys: NAD83 Vert measure val: 127.92
 Vert measure units: feet Vertacc measure val: 0.1
 Vert accmeasure units: feet
 Vertcollection method: Level or other surveying method
 Vert coord refsys: NGVD29 Countrycode: US
 Aquifername: Not Reported
 Formation type: Holocene Alluvium
 Aquifer type: Unconfined single aquifer
 Construction date: 199002 Welldepth: 30.93
 Welldepth units: ft Wellholedepth: Not Reported
 Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 38

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-07-13	12.81		1994-06-03	12.15	
1994-05-06	12.18		1994-05-06	12.15	
1994-04-18	12.45		1994-03-04	12.45	
1994-02-04	12.05		1994-01-06	11.15	
1993-12-03	10.35		1993-11-04	9.55	
1993-10-07	10.15		1993-09-02	11.25	
1993-07-30	11.65		1993-06-29	10.85	
1993-05-27	9.65		1993-05-07	9.05	
1993-04-16	9.35		1993-03-05	9.95	
1993-02-04	12.25		1992-09-24	15.35	
1992-06-18	14.95		1992-03-24	14.95	
1992-01-07	14.95		1991-09-18	15.45	
1991-06-21	15.45		1991-03-22	15.15	
1991-01-03	14.65		1990-12-06	14.45	
1990-11-07	14.55		1990-10-05	15.15	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1990-09-17	15.15		1990-08-07	15.45	
1990-07-05	15.25		1990-06-06	15.25	
1990-05-16	14.75		1990-04-10	15.25	
1990-03-05	15.25		1990-02-15	16.45	

H26
SW
1/4 - 1/2 Mile
Lower

CA WELLS CADW60000026477

Objectid: 26477
 Latitude: 32.7346
 Longitude: -114.6426
 Site code: 327346N1146426W001
 State well numbe: 16S22E27P001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 13
 County name: Imperial
 Basin code: '7-36'
 Basin desc: Yuma Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000026477

I27
SE
1/4 - 1/2 Mile
Lower

CA WELLS CADW60000023904

Objectid: 23904
 Latitude: 32.733
 Longitude: -114.6338
 Site code: 327330N1146338W002
 State well numbe: 16S22E27R002S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 13
 County name: Imperial
 Basin code: '7-36'
 Basin desc: Yuma Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000023904

I28
SE
1/4 - 1/2 Mile
Lower

CA WELLS CADW60000026478

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Objectid: 26478
 Latitude: 32.733
 Longitude: -114.6338
 Site code: 327330N1146338W001
 State well numbe: 16S22E27R001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 13
 County name: Imperial
 Basin code: '7-36'
 Basin desc: Yuma Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000026478

I29
SE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000126269

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324359114375602		
Monloc name:	016S022E27R002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7329913
Longitude:	-114.6330362	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	132.33
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	199002	Welldepth:	25.36
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 38

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-07-13	17.01		1994-06-03	16.3	
1994-05-06	16.50		1994-05-06	16.5	
1994-04-18	16.6		1994-03-04	16.8	
1994-02-04	16.4		1994-01-06	15.4	
1993-12-03	14.6		1993-11-04	13.7	
1993-10-07	14.5		1993-09-02	15.0	
1993-07-30	15.4		1993-06-29	14.6	
1993-05-27	13.3		1993-05-07	12.9	
1993-04-16	12.2		1993-03-05	13.6	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1993-02-04	16.1		1992-09-24	19.9	
1992-06-18	19.3		1992-03-24	19.4	
1992-01-07	19.3		1991-09-18	19.9	
1991-06-21	20.1		1991-03-22	19.7	
1991-01-03	19.2		1990-12-06	19.0	
1990-11-07	19.4		1990-10-05	19.7	
1990-09-17	19.6		1990-08-07	20.0	
1990-07-05	19.8		1990-06-06	19.9	
1990-05-16	19.6		1990-04-10	19.9	
1990-03-05	19.0		1990-02-15	20.0	

**I30
SE
1/4 - 1/2 Mile
Higher**

FED USGS USGS40000126268

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324359114375601		
Monloc name:	016S022E27R001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7329913
Longitude:	-114.6330362	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	132.33
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	14.5
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1994-05-06		

Note: The site was dry (no water level recorded).

**J31
SSE
1/2 - 1 Mile
Lower**

FED USGS USGS40000126260

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324354114375602		
Monloc name:	016S022E26N001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7317441
Longitude:	-114.6331028	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	128.8
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	20030730	Welldepth:	34.05
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

J32
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000126259

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324354114375601		
Monloc name:	016S022E27R003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7317136
Longitude:	-114.6330917	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	129.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

K33
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40000045632

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324349114382001		
Monloc name:	016S022ESE27PD1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7303247
Longitude:	-114.6396753	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	131.30
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710708	Welldepth:	30.4
Welldepth units:	ft	Wellholedepth:	30.4
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	19.18	

K34
South
1/2 - 1 Mile
Higher

FED USGS USGS40000045626

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324348114382001		
Monloc name:	016S022ESE27PD2		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.730047
Longitude:	-114.6396753	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	131.50
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	63.3
Construction date:	19710708	Wellholedepth:	63.3
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	19.75	

L35
NNE
1/2 - 1 Mile
Higher

CA WELLS CADW60000025814

Objectid:	25814
Latitude:	32.7455
Longitude:	-114.6339
Site code:	327455N1146339W001
State well numbe:	16S22E26D001S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	13
County name:	Imperial
Basin code:	'7-36'
Basin desc:	Yuma Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000025814

M36
NNW
1/2 - 1 Mile
Higher

FED USGS USGS40000126382

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324443114382801		
Monloc name:	016S022E27C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7454354
Longitude:	-114.6419254	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	127.18
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type: Unconfined single aquifer
 Construction date: 199002
 Welldepth units: ft
 Wellholeddepth units: Not Reported
 Welldepth: 23.33
 Wellholeddepth: Not Reported

Ground-water levels, Number of Measurements: 37

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-07-13	8.82		1994-06-03	8.1	
1994-05-06	7.6		1994-04-29	7.54	
1994-04-18	7.8		1994-03-04	8.3	
1994-02-04	7.9		1994-01-06	7.1	
1993-12-03	6.4		1993-11-04	5.3	
1993-10-07	7.0		1993-09-02	8.2	
1993-07-30	8.4		1993-06-29	7.8	
1993-05-27	6.1		1993-05-07	5.7	
1993-04-16	6.8		1993-03-05	8.1	
1992-09-24	11.3		1992-06-18	11.5	
1992-03-24	11.8		1992-01-07	10.2	
1991-09-18	10.9		1991-06-21	9.6	
1991-03-22	9.7		1991-01-03	9.1	
1990-12-06	8.1		1990-11-07	7.6	
1990-10-05	8.8		1990-09-17	10.2	
1990-08-07	9.9		1990-07-05	10.0	
1990-06-06	10.2		1990-05-16	9.1	
1990-04-10	10.1		1990-03-05	10.0	
1990-02-15	10.0				

K37
South
1/2 - 1 Mile
Higher

FED USGS USGS40000045621

Org. Identifier: USGS-AZ
 Formal name: USGS Arizona Water Science Center
 Monloc Identifier: USGS-324347114382001
 Monloc name: 016S022ESE27PD3
 Monloc type: Well
 Monloc desc: Not Reported
 Huc code: 15030107
 Drainagearea Units: Not Reported
 Contrib drainagearea units: Not Reported
 Longitude: -114.6396753
 Horiz Acc measure: 1
 Horiz Collection method: Interpolated from map
 Horiz coord refsys: NAD83
 Vert measure units: feet
 Vert accmeasure units: feet
 Vertcollection method: Level or other surveying method
 Vert coord refsys: NGVD29
 Aquifername: Not Reported
 Formation type: Not Reported
 Aquifer type: Not Reported
 Construction date: 19710708
 Welldepth units: ft
 Wellholeddepth units: ft
 Drainagearea value: Not Reported
 Contrib drainagearea: Not Reported
 Latitude: 32.7297692
 Sourcemap scale: 24000
 Horiz Acc measure units: seconds
 Vert measure val: 131.60
 Vertacc measure val: 0.1
 Countrycode: US
 Welldepth: 101
 Wellholeddepth: 101

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1972-04-07	19.35	

L38
NNE
1/2 - 1 Mile
Higher

FED USGS USGS40000126386

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324444114375601		
Monloc name:	016S022E26D001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7454631
Longitude:	-114.6331196	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	131.90
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	20.24
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-08-11	12.10		1994-05-04	11.99	
1993-12	10.7				

M39
NNW
1/2 - 1 Mile
Higher

CA WELLS CADW60000009134

Objectid:	9134
Latitude:	32.7454
Longitude:	-114.6427
Site code:	327454N1146427W001
State well numbe:	16S22E27C001S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	13
County name:	Imperial

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '7-36'
 Basin desc: Yuma Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000009134

K40
South
1/2 - 1 Mile
Higher

FED USGS USGS40000045617

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324346114382001		
Monloc name:	016S022ESE27PD4		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7294914
Longitude:	-114.6396753	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	130.90
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710713	Welldepth:	31.5
Welldepth units:	ft	Wellholedepth:	31.5
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1972-04-07	18.43	

K41
South
1/2 - 1 Mile
Lower

FED USGS USGS40000045611

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324345114382001		
Monloc name:	016S022ESE27PD5		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7292137
Longitude:	-114.6396753	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	131.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710713	Welldepth:	67.2
Welldepth units:	ft	Wellholedepth:	67.2
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	18.46	

N42
South
1/2 - 1 Mile
Lower

FED USGS USGS40000045606

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324344114382001		
Monloc name:	016S022ESE27PD6		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7289359
Longitude:	-114.6396753	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	131.10
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710713	Welldepth:	99.2
Welldepth units:	ft	Wellholedepth:	99.2
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	18.51	

N43
South
1/2 - 1 Mile
Lower

FED USGS USGS40000045590

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324342114381901		
Monloc name:	016S022E34B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7284359
Longitude:	-114.6392586	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	126.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	19870819	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	22.4
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

O44
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000045578

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324341114382401		
Monloc name:	016S022E34C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.728047
Longitude:	-114.6407864	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	127.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	19880306	Welldepth:	250
Welldepth units:	ft	Wellholedepth:	260
Wellholedepth units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1994-06-30	11.36	

O45
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000045581

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324341114382404		
Monloc name:	016S022E34D003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7280193
Longitude:	-114.6407308	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	125.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	19891009	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	195
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

O46
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000045580

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324341114382403		
Monloc name:	016S022E34D001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7280193
Longitude:	-114.6407864	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	121.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Unconfined single aquifer	Welldepth:	250
Construction date:	19880306	Wellholeddepth:	260
Welldepth units:	ft		
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

O47
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40000045579

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324341114382402		
Monloc name:	016S022E34C002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.727997
Longitude:	-114.6407197	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	126.4
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	19890629	Welldepth:	159
Welldepth units:	ft	Wellholeddepth:	195
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

P48
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000045577

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324341114380101		
Monloc name:	016S022E34A004S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7279915
Longitude:	-114.6343418	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	132.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Unconfined single aquifer	Welldepth:	30.08
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1994-06-30	22.06	

P49
SSE
1/2 - 1 Mile
Higher

FED USGS USGS4000045566

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324340114380101		
Monloc name:	016S022E34A003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7279637
Longitude:	-114.6343695	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	132.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	21.57
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1994-06-30		

Note: The site was dry (no water level recorded).

Q50
West
1/2 - 1 Mile
Lower

FED USGS USGS40000126292

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324409114385701		
Monloc name:	016S022E27M001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.736019
Longitude:	-114.6499812	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	126.21
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Not Reported		
Construction date:	199002	Welldepth:	30.45
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 38

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-07-13	11.21		1994-06-03	10.33	
1994-05-06	10.34		1994-05-06	10.23	
1994-04-18	10.63		1994-03-04	10.63	
1994-02-04	10.13		1994-01-06	9.13	
1993-12-03	8.33		1993-11-04	7.13	
1993-10-07	8.93		1993-09-02	9.83	
1993-07-30	10.23		1993-06-29	9.33	
1993-05-27	8.13		1993-05-07	7.53	
1993-04-16	7.83		1993-03-05	8.53	
1993-02-04	10.53		1992-09-24	13.53	
1992-06-18	13.13		1992-03-24	13.23	
1992-01-07	13.33		1991-09-18	13.73	
1991-06-21	13.63		1991-03-22	13.13	
1991-01-03	12.53		1990-12-06	12.33	
1990-11-07	13.03		1990-10-05	13.03	
1990-09-17	13.33		1990-08-07	13.63	
1990-07-05	13.53		1990-06-06	13.53	
1990-05-16	13.13		1990-04-10	13.23	
1990-03-05	13.23		1990-02-15	13.43	

**R51
East
1/2 - 1 Mile
Higher**

CA WELLS CADW6000009133

Objectid:	9133
Latitude:	32.7373
Longitude:	-114.6251
Site code:	327373N1146251W001
State well numbe:	16S22E26K001S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	13
County name:	Imperial
Basin code:	'7-36'
Basin desc:	Yuma Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW6000009133

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

Q52
West
1/2 - 1 Mile
Lower

CA WELLS CADW6000009137

Objectid: 9137
 Latitude: 32.736
 Longitude: -114.6508
 Site code: 327360N1146508W001
 State well numbe: 16S22E27M001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 13
 County name: Imperial
 Basin code: '7-36'
 Basin desc: Yuma Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW6000009137

S53
WNW
1/2 - 1 Mile
Higher

FED USGS USGS40000126362

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324431114385801		
Monloc name:	016S022E27D001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7419911
Longitude:	-114.6503423	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	130.70
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	16.62
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 75

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-07-11	12.1		1994-06-03	11.4	
1994-05-06	11.3		1994-04-29	11.53	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-04-18	12.1		1994-03-04	12.0	
1994-02-04	11.2		1994-01-06	10.4	
1993-12-03	8.6		1993-11-04	8.3	
1993-10-07	10.4		1993-09-02	12.5	
1993-07-30	11.4		1993-06-29	10.4	
1993-05-27	10.0		1993-05-07	10.2	
1993-04-16	10.5		1993-03-05	12.8	
1993-02-04	12.5		1992-09-24	13.4	
1992-06-18	13.6		1992-03-24	14.0	
1992-01-07	13.6		1991-09-18	15.1	
1991-06-21	13.5		1991-03-22	13.7	
1991-01-03	13.3		1990-12-06	12.3	
1990-11-07	11.2		1990-10-05	11.2	
1990-09-17	15.0		1990-08-07	14.5	
1990-07-05	13.0		1990-06-06	14.8	
1990-05-16	14.7		1990-04-10	14.2	
1990-03-05	14.1		1990-02-15	14.4	
1990-01-12	13.2		1989-12-08	12.9	
1989-11-03	12.7		1989-10-12	9.1	
1989-08-30	13.7		1989-08-03	13.7	
1989-07-12	13.3		1989-06-15	13.3	
1989-05-04	11.6		1989-04-07	12.0	
1989-03-13	11.4		1989-02-17	11.1	
1989-01-20	10.6		1988-12-15	8.8	
1988-11-10	9.3		1988-10-06	12.0	
1988-09-21	12.1		1988-08-19	12.5	
1988-07-08	14.3		1988-06-21	13.6	
1988-05-18	13.4		1988-04-07	14.6	
1988-03-25	14.4		1988-02-18	14.1	
1988-01-15	14.0		1987-12-17	13.6	
1987-11-13	12.9		1987-10-09	12.5	
1987-09-09	13.6		1987-08-14	13.9	
1987-07-10	12.6		1987-06-19	11.6	
1987-05-13	11.3		1987-04-16	10.9	
1987-03-11	10.7		1987-02-10	10.3	
1987-01-17	10.5				

**R54
East
1/2 - 1 Mile
Higher**

FED USGS USGS40000126305

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324414114372501		
Monloc name:	016S022E26K001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7372689
Longitude:	-114.6243137	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	129.35
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	198907	Welldepth:	22.71
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 43

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-07-13	13.93		1994-06-03	13.85	
1994-05-06	13.45		1994-05-06	13.35	
1994-04-18	13.35		1994-03-04	13.85	
1994-02-04	13.55		1994-01-06	12.85	
1993-12-03	12.15		1993-11-04	11.05	
1993-10-07	11.85		1993-09-02	12.55	
1993-07-30	12.55		1993-06-29	11.65	
1993-05-27	10.65		1993-05-07	10.45	
1993-04-16	10.05		1993-03-05	11.95	
1992-09-24	17.55		1992-06-18	15.95	
1992-03-24	15.85		1992-01-07	16.15	
1991-09-18	16.05		1991-06-21	15.45	
1991-03-22	15.65		1991-01-03	15.05	
1990-12-06	11.45		1990-11-07	15.85	
1990-10-05	16.15		1990-09-17	16.55	
1990-08-07	16.35		1990-07-05	16.35	
1990-06-06	16.55		1990-05-16	15.35	
1990-04-10	16.45		1990-03-05	16.65	
1990-02-15	16.65		1990-01-12	16.15	
1989-12-08	15.75		1989-11-03	15.25	
1989-10-12	14.75		1989-08-30	15.85	
1989-08-03	15.85				

T55
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000045565

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324340114375001		
Monloc name:	016S022E34A001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7278803
Longitude:	-114.6312028	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	130.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	27.85
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1994-06-30	21.07	

**T56
SSE
1/2 - 1 Mile
Higher**

FED USGS USGS40000045563

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324340114374901		
Monloc name:	016S022E34A005S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7278498
Longitude:	-114.6311889	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	134.4
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	20000718	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----			-----		
2004-03-09	22.83				
	Note: A nearby site that taps the same aquifer was being pumped.				
2004-03-09	22.83				
	Note: A nearby site that taps the same aquifer was being pumped.				
2000-07-18	32.75				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

T57
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000045564

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324340114374902		
Monloc name:	016S022E34A002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7277998
Longitude:	-114.6310583	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	134.4
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	1983	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1994-08-08	19.0	

58
WSW
1/2 - 1 Mile
Lower

CA WELLS 13212

Water System Information:

Prime Station Code:	16S/22E-27G01 S	User ID:	WAT
FRDS Number:	1310009001	County:	Inperial
District Number:	14	Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Destroyed
Source Lat/Long:	324400.0 1143900.0	Precision:	Undefined
Source Name:	THIRD AVE. WELL - DESTROYED		
System Number:	1310009		
System Name:	Winterhaven WD		
Organization That Operates System:	P.O. Box 787 Winterhaven, CA 92283-0787		
Pop Served:	1050	Connections:	198
Area Served:	WINTERHAVEN		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

S59
WNW
1/2 - 1 Mile
Higher

CA WELLS CADW60000025816

Objectid: 25816
 Latitude: 32.742
 Longitude: -114.6511
 Site code: 327420N1146511W001
 State well numbe: 16S22E27D001S
 Local well name: "
 Well use id: 6
 Well use descrip: Unknown
 County id: 13
 County name: Imperial
 Basin code: '7-36'
 Basin desc: Yuma Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000025816

U60
WSW
1/2 - 1 Mile
Lower

FED USGS USGS40000045672

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324353114385601		
Monloc name:	016S022E 28RAB		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7314358
Longitude:	-114.6496756	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	126.
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	196410	Welldepth:	134
Welldepth units:	ft	Wellholedepth:	134
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1964-10-20	16.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

T61
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000045562

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324340114374501		
Monloc name:	016S022E35D001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7279359
Longitude:	-114.6298972	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	130.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	28.99
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1994-08-08	20.32	

T62
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000045553

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324339114374601		
Monloc name:	016S022E35D002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7275998
Longitude:	-114.6303666	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	134.9
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Unconfined single aquifer	Welldepth:	Not Reported
Construction date:	Not Reported	Wellholeddepth:	Not Reported
Welldepth units:	Not Reported		
Wellholeddepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

U63
WSW
1/2 - 1 Mile
Lower

FED USGS USGS4000045685

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324355114385901		
Monloc name:	016S022E28R003S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7319192
Longitude:	-114.6504284	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	128.9
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	20080807	Welldepth:	38.4
Welldepth units:	ft	Wellholeddepth:	40
Wellholeddepth units:	ft		

Ground-water levels, Number of Measurements: 0

64
East
1/2 - 1 Mile
Higher

FED USGS USGS40000126328

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324420114372001		
Monloc name:	016S022E26G001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7389355
Longitude:	-114.623008	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	130.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Unconfined single aquifer	Welldepth:	150
Construction date:	196411	Wellholedepth:	170
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1964-11	20	

**65
SW
1/2 - 1 Mile
Lower**

FED USGS USGS4000045598

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324343114385002		
Monloc name:	016S022E34D002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7286581
Longitude:	-114.647981	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	125.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1994-08-09	9.49	

**V66
NW
1/2 - 1 Mile
Lower**

FED USGS USGS40000126387

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324444114385901		
Monloc name:	016S022E21R001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7455743
Longitude:	-114.6506757	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	128.1
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	19640400	Welldepth:	128.03
Welldepth units:	ft	Wellholedepth:	157
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 129

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-11-01	9.40		2004-03-18	9.67	
2003-10-21	9.26		2003-03-24	9.21	
2002-10-31	8.96		2002-03-13	8.68	
2001-10-23	8.58		2001-03-27	8.74	
2000-10-24	7.91		2000-03-29	8.87	
1999-10-25	8.87		1999-03-16	8.68	
1998-10-28	8.01		1998-03-24	6.24	
1997-10-21	7.70		1997-03-18	8.09	
1996-10-16	8.59		1996-03-20	8.53	
1995-10-17	7.82		1995-03-31	8.05	
1994-10-27	6.77		1994-05-04	8.83	
1994-03-15	8.73		1994-03-15	8.73	
1993-10-20	6.79		1993-10-20	6.79	
1993-04-13	6.64		1993-04-13	6.64	
1992-09-22	10.09		1992-09-22	10.09	
1992-04-08	10.35		1992-04-08	10.35	
1991-10-02	10.76		1991-10-02	10.76	
1991-03-14	10.36		1991-03-14	10.36	
1990-10-23	7.28		1990-10-23	7.28	
1990-03-21	10.00		1990-03-21	10.00	
1989-11-01	8.03		1989-11-01	8.03	
1985-06-14	8.11		1985-06-14	8.11	
1985-03-01	6.90		1985-03-01	6.90	
1984-09-18	6.96		1984-09-18	6.96	
1983-09-20	4.66		1983-09-20	4.66	
1982-09-30	9.80		1982-09-30	9.80	
1982-02-03	10.97		1982-02-03	10.97	
1981-08-26	9.13		1981-08-26	9.13	
1981-03-10	8.88		1981-03-10	8.88	
1981-02-10	9.49		1981-02-10	9.49	
1980-12-04	8.53		1980-12-04	8.53	
1980-09-05	7.48		1980-09-05	7.48	
1980-07-23	6.99		1980-07-23	6.99	
1980-06-02	7.92		1980-06-02	7.92	
1980-04-02	9.20		1980-04-02	9.20	
1980-01-07	10.70		1980-01-07	10.70	
1979-10-09	10.26		1979-10-09	10.26	
1979-07-09	9.60		1979-07-09	9.60	
1979-04-10	11.05		1979-04-10	11.05	
1979-01-12	12.29		1979-01-12	12.29	
1979-01-11	12.26		1979-01-11	12.26	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1978-10-20	9.57		1978-10-20	9.57	
1978-07-31	11.52		1978-07-31	11.52	
1978-05-03	11.75		1978-05-03	11.75	
1978-01-05	12.67		1978-01-05	12.67	
1977-10-06	11.39		1977-10-06	11.39	
1977-07-21	10.71		1977-07-21	10.71	
1977-04-15	11.72		1977-04-15	11.72	
1977-01-14	11.25		1977-01-14	11.25	
1976-10-18	10.14		1976-10-18	10.14	
1976-07-19	10.80		1976-07-19	10.80	
1976-04-19	10.10		1976-04-19	10.10	
1976-01-20	10.81		1976-01-20	10.81	
1975-11-11	10.01		1975-11-11	10.01	
1975-07-18	11.02		1975-07-18	11.02	
1975-04-29	10.49		1975-01-24	11.35	
1974-10-10	8.43		1974-07-26	11.97	
1974-04-25	10.60		1974-01-08	11.45	
1973-10-30	10.71		1973-07	10.85	
1973-04-27	11.40		1973-01-08	11.72	
1972-10-30	10.90		1972-07-10	11.37	
1967-04-06	10.58		1967-04-06	10.58	
1966-10-27	8.95		1966-08-30	10.20	
1966-05-17	10.09		1964-04-27	9.57	
1964-04-27	9.57				

**W67
ESE
1/2 - 1 Mile
Higher**

FED USGS USGS40000126256

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324353114372401		
Monloc name:	016S022E 35BB6		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7314357
Longitude:	-114.6241192	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	132.50
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710426	Welldepth:	121
Welldepth units:	ft	Wellholedepth:	121
Wellholedepth units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	19.45	

W68
ESE
1/2 - 1 Mile
Higher

FED USGS USGS40000126255

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324352114372401		
Monloc name:	016S022E 35BB5		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.731158
Longitude:	-114.6241192	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	132.40
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710426	Welldepth:	71.3
Welldepth units:	ft	Wellholedepth:	71.3
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	19.37	

W69
ESE
1/2 - 1 Mile
Higher

FED USGS USGS40000126253

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324351114372401		
Monloc name:	016S022E 35BB4		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7308802
Longitude:	-114.6241192	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	132.50
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710426	Welldepth:	30.3
Welldepth units:	ft	Wellholedepth:	30.3
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	19.52	

**70
ENE
1/2 - 1 Mile
Lower**

FED USGS USGS40000126381

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324443114372401		
Monloc name:	016S022E26B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7454353
Longitude:	-114.6244248	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	125.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	196403	Welldepth:	118
Welldepth units:	ft	Wellholedepth:	122
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 25

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----			-----		
1969-03-06	7.13		1968-11-25	6.54	
1968-08-29	6.12		1968-05-28	3.83	
1968-02-28	3.90		1967-11-30	4.00	
1967-10-30	4.11		1967-09-28	4.53	
1967-08-30	4.46		1967-07-27	4.39	
1967-06-22	4.11		1967-05-25	4.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1967-04-26	3.85		1967-03-27	3.98	
1966-12-29	4.35		1966-11-29	4.24	
1966-11-03	3.51		1966-09-29	3.70	
1966-08-30	3.24		1966-07-28	2.95	
1966-06-30	3.01		1966-06-01	3.52	
1966-05-18	3.30		1966-02-14	4.66	
1964-04-27	3.11				

**W71
ESE
1/2 - 1 Mile
Higher**

FED USGS USGS40000126252

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324350114372401		
Monloc name:	016S022E 35BB3		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7306024
Longitude:	-114.6241192	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	123.20
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710428	Welldepth:	113
Welldepth units:	ft	Wellholedepth:	113
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1972-04-07	10.12	

**V72
NW
1/2 - 1 Mile
Lower**

CA WELLS CADW60000025798

Objectid:	25798
Latitude:	32.7456
Longitude:	-114.6513
Site code:	327456N1146513W001
State well numbe:	16S22E21R001S
Local well name:	"
Well use id:	6
Well use descrip:	Unknown
County id:	13
County name:	Imperial

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Basin code: '7-36'
 Basin desc: Yuma Valley
 Dwr region id: 80238
 Dwr region: Southern Region Office
 Site id: CADW60000025798

**73
SE
1/2 - 1 Mile
Higher**

FED USGS USGS40000045576

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324341114373301		
Monloc name:	016S022E35C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030108	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7280748
Longitude:	-114.6265082	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Differentially corrected Global Positioning System (DGPS)		
Horiz coord refsys:	NAD83	Vert measure val:	130.
Vert measure units:	feet	Vertacc measure val:	2.5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Holocene Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	Not Reported	Welldepth:	27.87
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1994-08-08	21.69	

**W74
ESE
1/2 - 1 Mile
Higher**

FED USGS USGS40000126251

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324349114372401		
Monloc name:	016S022E 35BB2		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7303247
Longitude:	-114.6241192	Sourcemap scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	122.90
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710428	Welldepth:	63.2
Welldepth units:	ft	Wellholedepth:	63.2
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	9.86	

**75
SE
1/2 - 1 Mile
Lower**

FED USGS USGS40000126248

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-324348114372401		
Monloc name:	016S022E 35BB1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15030107	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	32.7300469
Longitude:	-114.6241192	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	122.9
Vert measure units:	feet	Vertacc measure val:	.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19710428	Welldepth:	26.1
Welldepth units:	ft	Wellholedepth:	26.1
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1972-04-07	10.98	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for IMPERIAL County: 3

- 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 IMPERIAL COUNTY, CA

Number of sites tested: 2

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
Living Area - 1st Floor	1.450 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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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 & Game

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

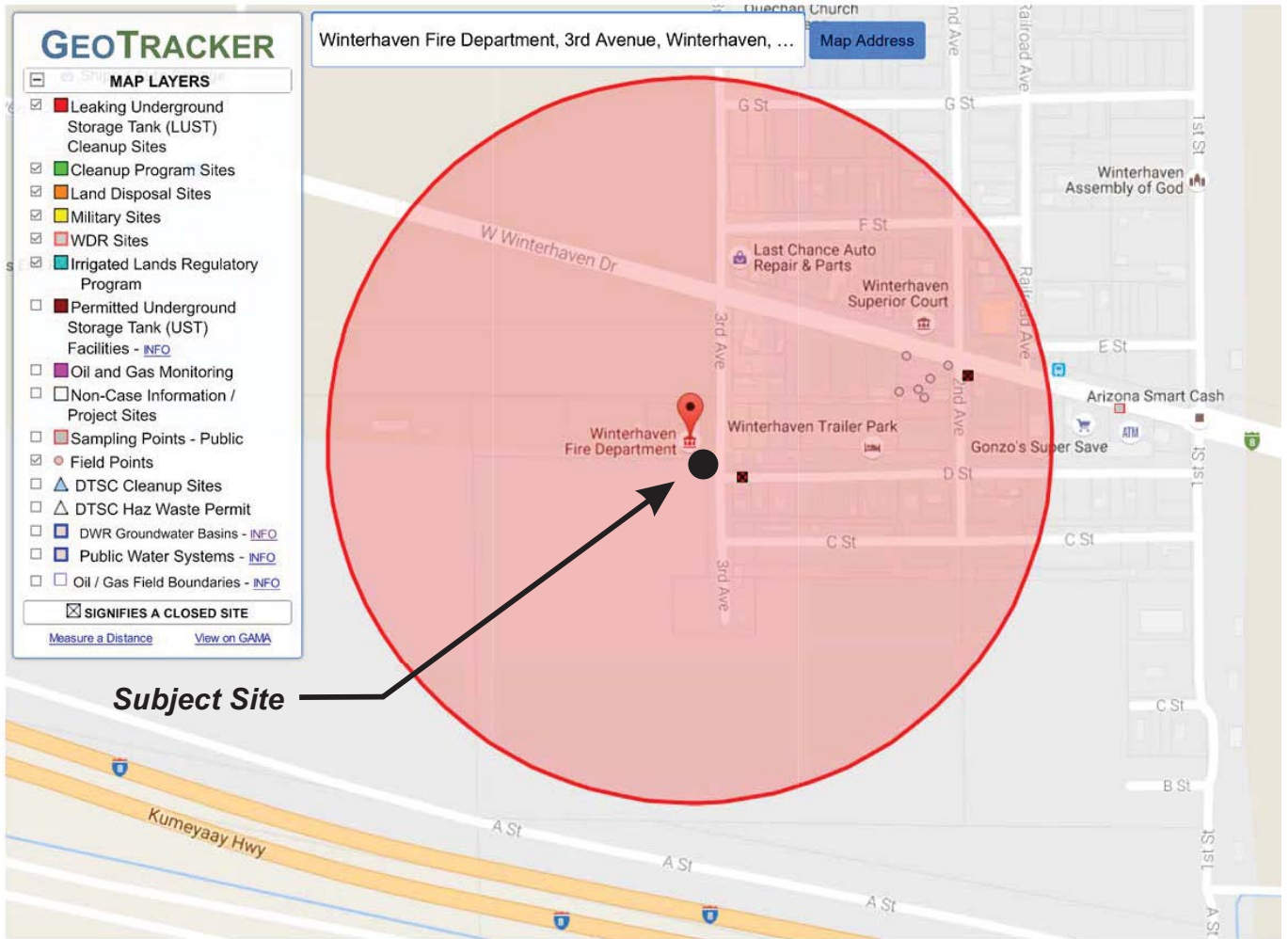
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APPENDIX G

GEOTRACKER

- MAP LAYERS**
- Leaking Underground Storage Tank (LUST) Cleanup Sites
 - Cleanup Program Sites
 - Land Disposal Sites
 - Military Sites
 - WDR Sites
 - Irrigated Lands Regulatory Program
 - Permitted Underground Storage Tank (UST) Facilities - [INFO](#)
 - Oil and Gas Monitoring
 - Non-Case Information / Project Sites
 - Sampling Points - Public
 - Field Points
 - DTSC Cleanup Sites
 - DTSC Haz Waste Permit
 - DWR Groundwater Basins - [INFO](#)
 - Public Water Systems - [INFO](#)
 - Oil / Gas Field Boundaries - [INFO](#)
- SIGNIFIES A CLOSED SITE
- [Measure a Distance](#) [View on GAMA](#)

Winterhaven Fire Department, 3rd Avenue, Winterhaven, ... [Map Address](#)



Subject Site

Google

SITES FOUND IN SEARCH RADIUS

- GONZO'S SHOP
- IMPERIAL IRRIGATION DIST YARD
- MCNEIL ACANT LOT

GLOBAL ID	STATUS
T0602500187	COMPLETED - CASE CLOSED
T0602500179	COMPLETED - CASE CLOSED
T0602500181	COMPLETED - CASE CLOSED

3 SITES LISTED

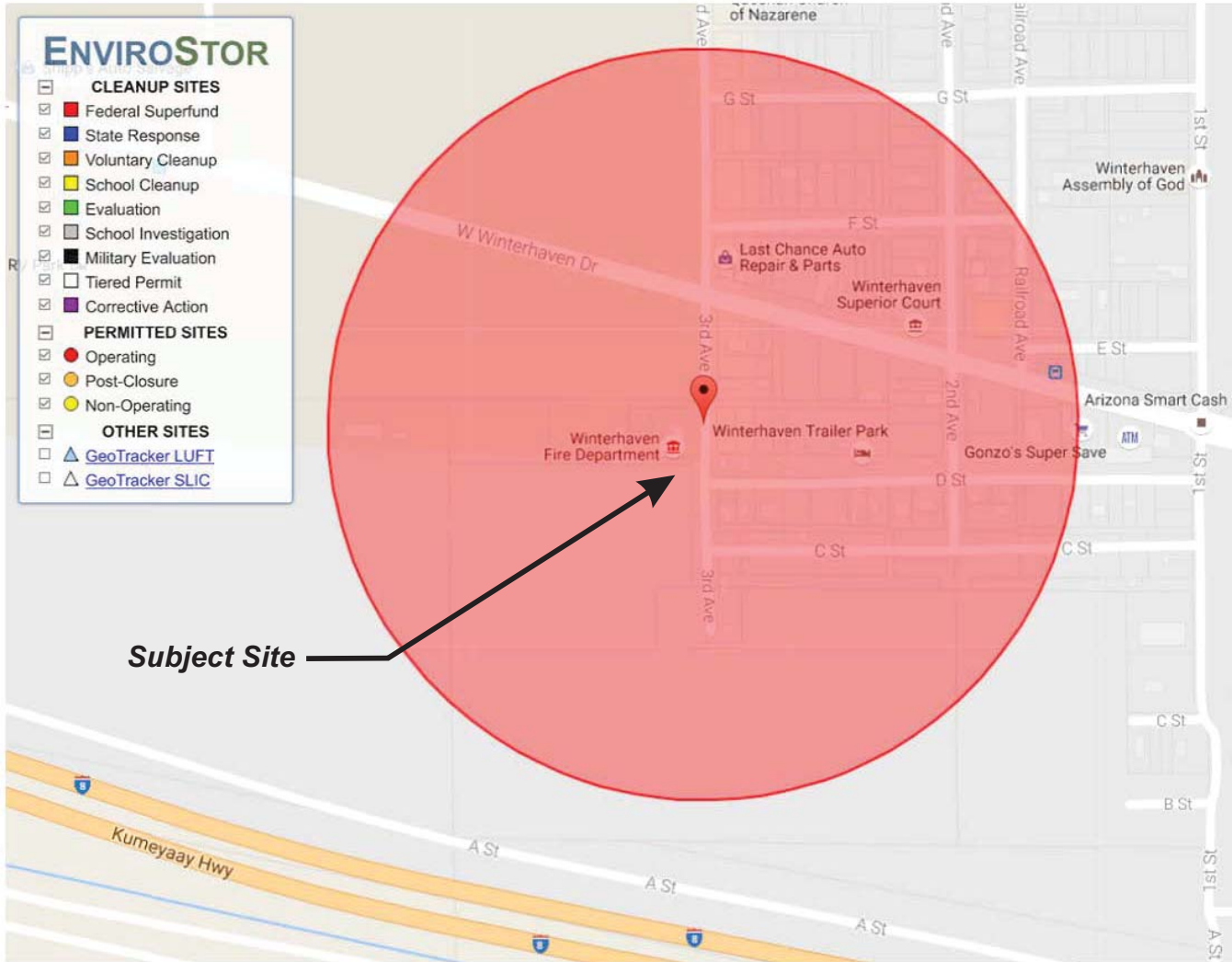
ADDRESS
21 29 WINTERHAVEN DRIVE
504 THIRD STREET
21 30 WINTERHAVEN DRIVE



Project No.: GS1623

Geotracker Map

Plate
22



Subject Site →

SHOW SITES WITHIN 1000 FEET OF THE FOLLOWING ADDRESS: 495 S. 3rd Ave, winterhaven, ca

SITES CURRENTLY VISIBLE ON MAP

APPENDIX H



Jeffrey O. Lyon, PE
Principal Engineer

Education

B.S. Civil Engineering (Magna Cum Laude)
California Polytechnic University, Pomona Campus 1978

Registration

Registered Civil Engineer No. 31921, California
Registered Civil Engineer No. 16994, Arizona

Professional Experience

1987 - Present	Principal Engineer Southland Geotechnical, Inc.
1982 - 1987	Principal Engineer Lyon Engineers, Inc.
1978 - 1981	Partner/Senior Engineer Tesco Engineering
1974 - 1977	Survey Party Chief Tesco Engineering
1972 - 1973	Survey Party Chief Lyon & Associates

Summary of Experience

As Principal Engineer, Mr. Lyon is responsible for financial and technical management of all employees in Southland Geotechnical's four branch offices. Mr. Lyon has performed site investigations for residential subdivisions, geogrid-reinforced slopes, shopping centers, military airfields, roadways, administration and office buildings, elementary and high schools, goldmine mill processing facilities, hydro-electric plants, power transmission lines, electrical substations, co-generation power plants and geothermal power plants. He has provided design for drilled piers, driven piles, stone columns and floating (rigid) mats, and has performed seismic risk evaluations, ground shaking analyses, liquefaction studies and liquefaction induced settlements studies. Mr. Lyon has conducted Phase I and Phase II ESA's throughout the Imperial and Coachella Valleys for over 20 years. Mr. Lyon's experience also includes forensic investigations for foundation/structural distress to residential, commercial and educational facilities, and has performed pressure grout stabilization and lifting for distress remediation.

Selected Project Experience

- **Aten Road Improvements, Imperial, CA**
Performed Phase I environmental site assessment for improvements to Aten Road in accordance to CalTrans requirements.
- **Gateway to the Americas, Calexico, CA**
Conducted Phase I ESA, geologic hazards study and geotechnical investigation including liquefaction evaluation for 1,700 acre development associated with new Port of Entry east of Calexico
- **El Centro Magistrate Court, El Centro, CA**
Conducted geotechnical investigation and Phase I ESA for new Federal Magistrate Court building at site with soft soil conditions requiring foundation settlement analysis
- **El Centro Regional Medical Center, El Centro, CA**
Conducted Phase I ESA and geotechnical investigation for 50,000 sf, 2-story addition to the medical center's emergency room, operating rooms, and recovery rooms.
- **Brawley Union High School, Brawley, CA**
Conducted Phase II investigation for PCB and lead contamination of surficial soil and hydrocarbon contamination of subsurface soil of a property proposed for purchase.
- **EW Corporation Site, Westmorland, CA**
Conducted Phase II investigation for hydrocarbon contamination of subsurface soil of a service station site with leaking underground storage tanks prior to property purchase
- **Various Apartment Complexes, Imperial County, CA**
Conducted Phase I environmental investigation at numerous proposed apartment complex site within the Imperial Valley
- **Hwy 98 Improvements, Imperial, CA**
Performed Phase I environmental site assessment for improvements to Hwy 98 for a new intersection in accordance to CalTrans requirements.

Professional Affiliations

American Society of Civil Engineers, Member
American Society of Testing Materials, Member
American Concrete Institute, Certified Examiner
Association of Professional Firms Practicing in the Geosciences, Member



**Pete LaBrucherie, C8
Project Engineer**

Education

B.S. Civil Engineering
California Polytechnic University, San Luis Obispo, 2011

M.S. Civil Engineering
California Polytechnic University, San Luis Obispo, 2012

Registration

Engineer in Training No. 139380, California
OSHA 30

Professional Experience

2013 - Present	Staff Engineer GS Lyon, Inc.
2012 - 2013	Project Engineer BNBuilders.

Summary of Experience

As an Environmental Technician, Mr. LaBrucherie performs Phase I Environmental Site Assessments in Imperial County. The scope of work for these assessments typically includes site reconnaissance, review of government records pertaining to previous site uses, and preparation of a report identifying potential environmental risks.

Selected Project Experience

Seville Solar Farm, Westmorland, CA

Conducted Phase I environmental site assessment for solar project located about 9 miles northwest of Westmorland, Ca.

Clean Harbors Facility, Westmorland, CA

Conducted annual reports which included flood diversion, photo documentation and post closure for waste facility located about 5 miles west of Westmorland, Ca.

Ching Properties, Brawley, CA

Conducted Phase I environmental site assessment for vacant property located in Brawley, Ca.

Chelsea - 470 W. Wall Road, Imperial, CA

Conducted Phase I environmental site assessment for vacant property located in Imperial, Ca. Property is being proposed for apartment complex.

1409 E. Alamo Road, Holtville, CA

Conducted Phase I environmental site assessment for property (mostly vacant with some unused shop buildings and abandoned residential home) located west of Holtville, Ca.

BUSD School Site, Brawley, CA

Conducted Phase I environmental site assessment for school site proposal on a vacant property located in south Brawley, Ca.

CR&R Direct Transfer, El Centro, CA

Conducted Phase I environmental site assessment for commercial property (large warehouse and office with large laydown area) located in El Centro, Ca.

Villa Primavera Apartments, Calexico, CA

Conducted Phase I environmental site assessment for vacant property located in Calexico, Ca.