

HISWAP - GROUNDWATER SOURCES DATASHEETS AND POTENTIAL CONTAMINATING ACTIVITIES (PCA) REPORT

NAVY Public Works Center, Pearl Harbor

ISLAND OF OAHU

The Hawaii Source Water Assessment Program is a project collaboration between:

Hawaii Department of Health
Safe Drinking Water Branch

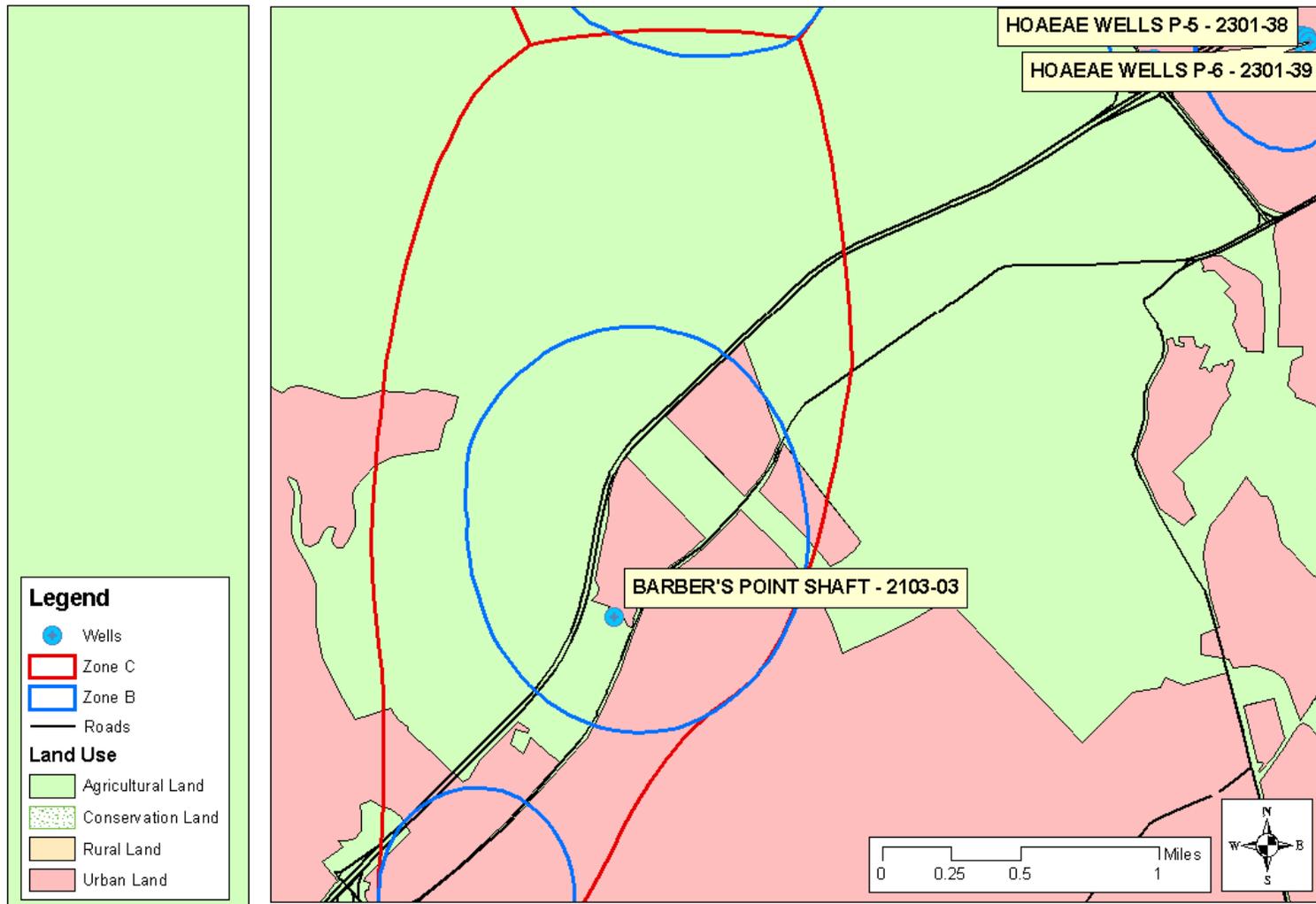
and

University of Hawaii
Water Resources Research Center



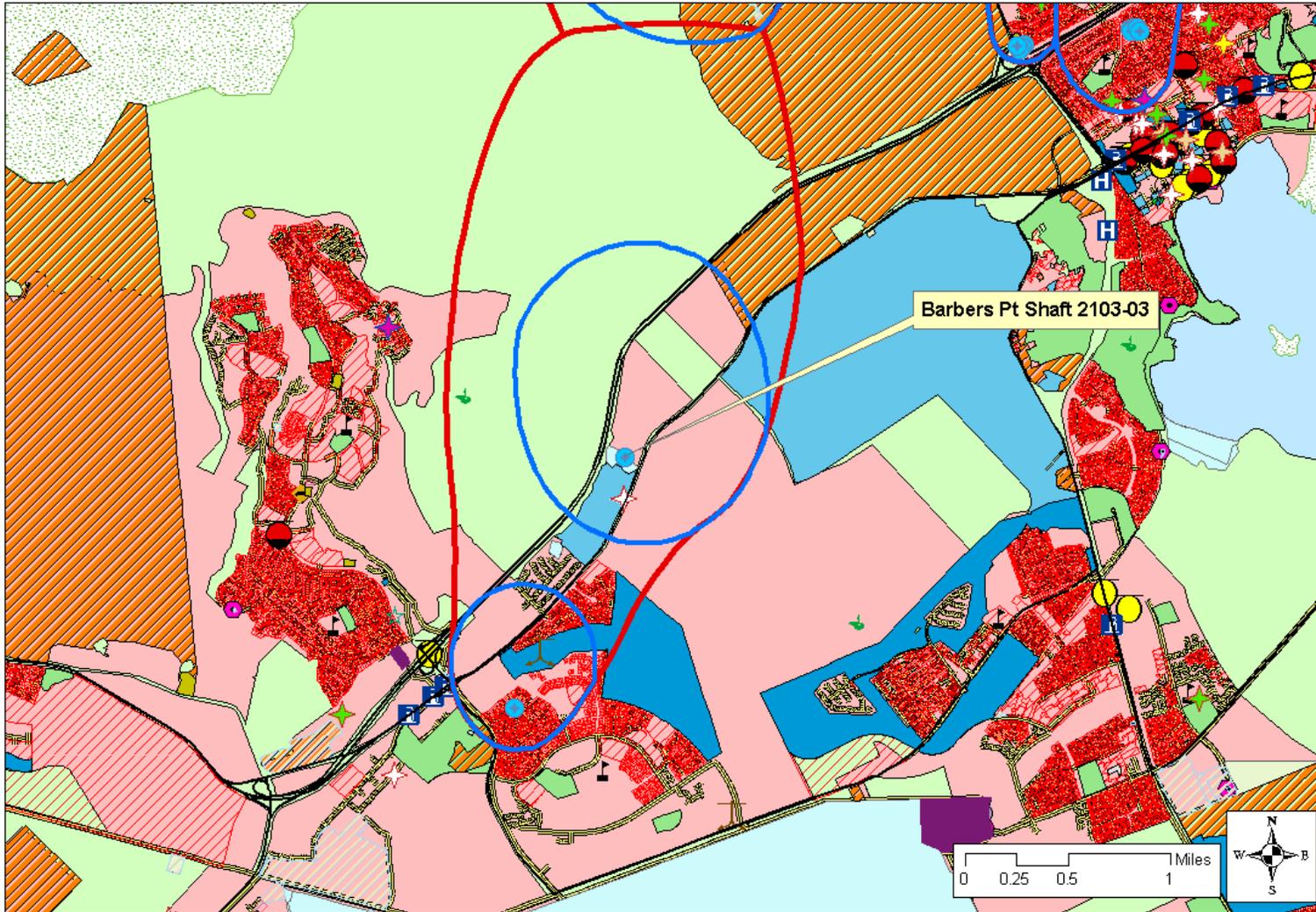
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Source: BARBER'S POINT SHAFT - 2103-03, Location Map

Printed: 25-Mar-04



Source: BARBER'S POINT SHAFT - 2103-03, PCA Map

Printed: 25-Mar-04

PCA Score Summary

Score for source from PCAs within zone A:	48
Score for source from PCAs within zone B:	74
Score for source from PCAs within zone C:	56
Score for source if contamination has been detected:	50
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Total susceptibility score for the source:	228

Tabulated PCA scores for each delineated source water zones follows:

Zone A PCA Scores

Source USGS ID: 2103-03		Zone A CZD ID: 3XA303		Total Score Zone A: 48	
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores
Military Installation:	1	30	Residential Parcel:	0	0
Agriculture, [ha]:	0.0	18	Major Road:	0	0
Power Plant:	0	0	Car Wash:	0	0
Sewer Line:	0	0	UST (no leak):	0	0
Park:	0	0	Septic Tank:	0	0
Utility Station:	0	0	Cesspool:	0	0

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Zone B PCA Scores

Source USGS ID: 2103-03			Zone B CZD ID: 3XB303			Total Score for Zone B: 74		
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores			
Agriculture, [ha]:	257.3	40	Photo Processing:	0	0			
Auto Repair Shop:	0	0	Power Plant:	0	0			
Boat Service:	0	0	RCRA CEG:	0	0			
Car Wash:	0	0	RCRA DAG:	1	2			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	0	0	RCRA SQG:	0	0			
Farm:	0	0	RCRA no info:	0	0			
Fire Station:	0	0	Residential Parcel:	0	0			
Food Processing:	0	0	Major Road:	3	6			
Gas Station:	0	0	High School:	0	0			
Golf Course:	0	0	Septic Tank:	2	6			
Hospital:	0	0	Sewer Line:	0	0			
Laboratory:	0	0	UST (leaking):	0	0			
Machine Repair:	0	0	UST (no leak):	0	0			
Military Installation:	1	20	Utility Station:	0	0			
Parking Lot:	0	0	Wastewater Treatment Plant:	0	0			
Park:	0	0						
Pesticide Applicator:	0	0						

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Zone C PCA Scores

Source USGS ID: 2103-03			Zone C CZD ID: 3XC301			Total Score for Zone C: 56		
PCAs	PCA Counts	PCA Scores	PCAs	PCA Counts	PCA Scores			
Agriculture, [ha]:	415.3	20	Photo Processing:	0	0			
Auto Repair Shop:	0	0	Power Plant:	0	0			
Boat Service:	0	0	RCRA CEG:	0	0			
Car Wash:	1	3	RCRA DAG:	0	0			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	0	0	RCRA SQG:	0	0			
Farm:	0	0	RCRA no info:	0	0			
Fire Station:	0	0	Residential Parcel:	199	3			
Food Processing:	0	0	Major Road:	8	3			
Gas Station:	0	0	High School:	0	0			
Golf Course:	1	6	Septic Tank:	3	3			
Hospital:	0	0	Sewer Line:	464	8			
Laboratory:	0	0	UST (leaking):	0	0			
Machine Repair:	0	0	UST (no leak):	0	0			
Military Installation:	1	10	Utility Station:	0	0			
Parking Lot:	0	0	Wastewater Treatment Plants:	0	0			
Park:	0	0						
Pesticide Applicator:	0	0						

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Well Contamination Data

355-001	2103-03	Atrazine	Barber's Point Shaft	4/16/1997	0.061
355-001	2103-03	Atrazine	Barber's Point Shaft	4/21/1999	0.07
355-001	2103-03	Atrazine	Barber's Point Shaft	3/7/2001	0.079
355-001	2103-03	Atrazine	Barber's Point Shaft	5/31/2000	0.067
355-001	2103-03	Atrazine	Barber's Point Shaft	4/2/1998	0.061
335-001	2103-03	Atrazine	Barber's Point Shaft	8/8/2001	0.096
355-001	2103-03	Atrazine	Barber's Point Shaft	12/12/1996	0.072
355-001	2103-03	Atrazine	Barber's Point Shaft	10/1/2002	0.059
355-001	2103-03	Atrazine	Barber's Point Shaft	7/22/1999	0.07
355-001	2103-03	Atrazine	Barber's Point Shaft	8/23/2000	0.076
355-001	2103-03	Atrazine	Barber's Point Shaft	7/8/1997	0.071
355-001	2103-03	Atrazine	Barber's Point Shaft	10/30/2001	0.076
355-001	2103-03	Atrazine	Barber's Point Shaft	2/11/2000	0.084
355-001	2103-03	Atrazine	Barbers Point Shaft	3/3/1999	0.073
355-001	2103-03	Atrazine	Barber's Point Shaft	10/26/1999	0.086
355-001	2103-03	Atrazine	Barber's Point Shaft	8/6/1998	0.084
355-001	2103-03	Atrazine	Barber's Point Shaft	2/5/2002	0.11
355-001	2103-03	Atrazine	Barber's Point Shaft	10/5/2000	0.095

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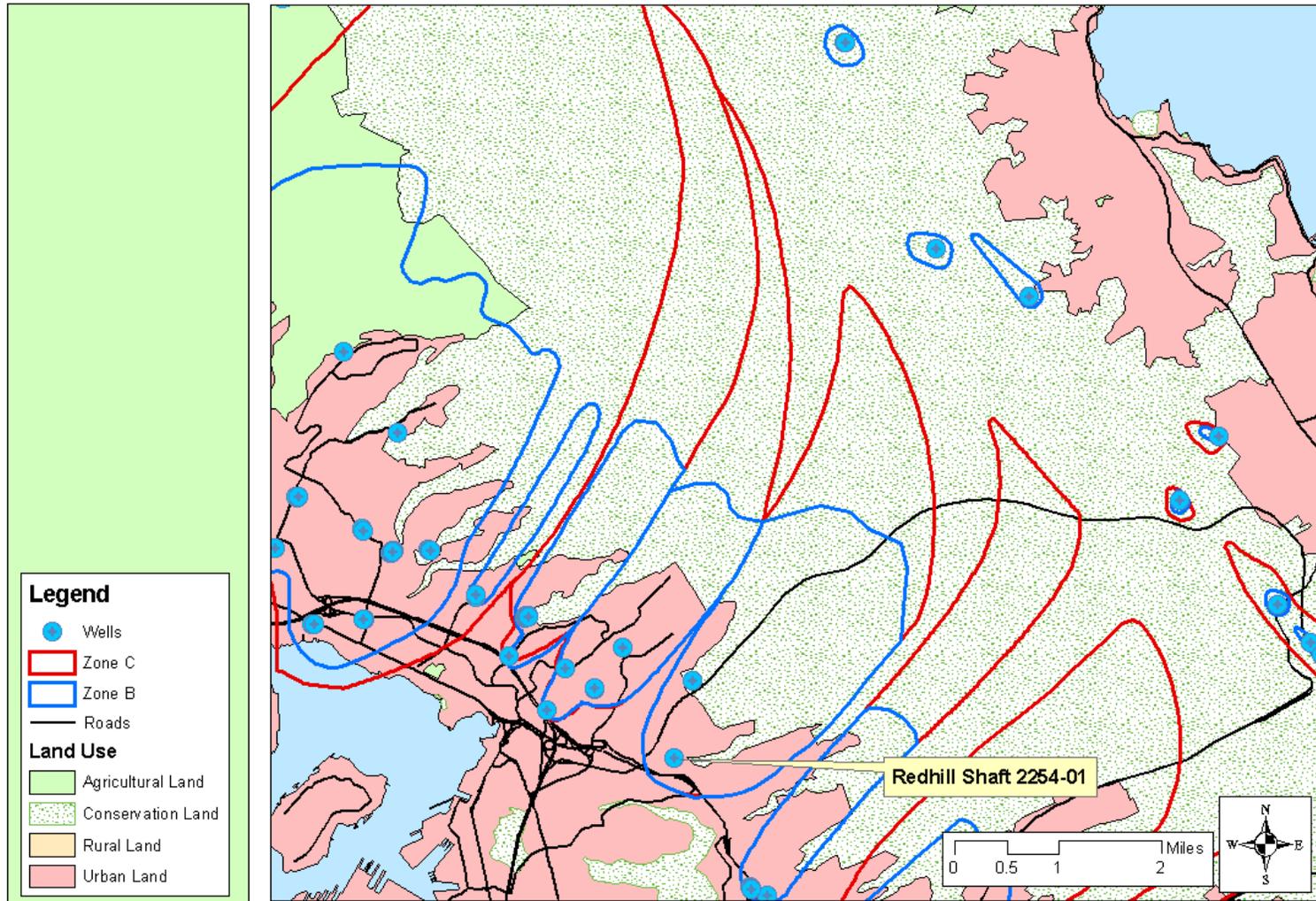
355-001	2103-03	Atrazine	Barber's Point Shaft	10/3/1997		0.11	
355-001	2103-03	Atrazine	Barber's Point Shaft	1/9/1998		0.09	
355-001	2103-03	Atrazine	Barber's Point Shaft	5/17/2001		0.078	
355-001	2103-03	Atrazine	Barber's Point Shaft	1/23/1997		0.078	
355-001	2103-03	Atrazine	Barber's Point Shaft	5/14/2002		0.08	

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REDHILL SHAFT (NAVY) PEARL HARBOR

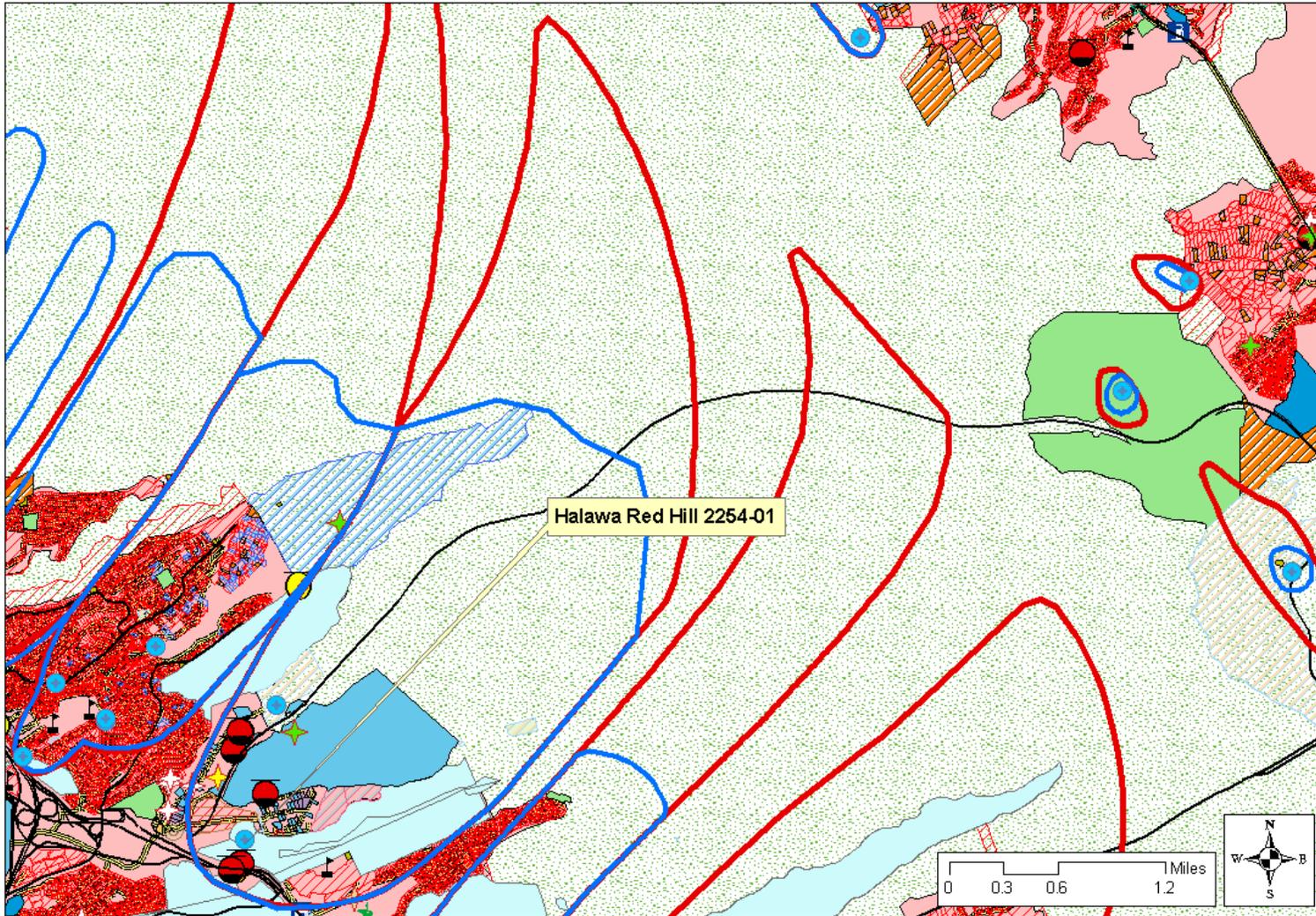
USGS ID :	2254-01	SYSTEM ID :	360-001
LOCATION OF THE SOURCE:	LATITUDE: XXX	LONGITUDE: XXX	
SOURCE OWNER OR USER:	U S Navy		
DATE OF CONSTRUCTION:	1943		
GROUND ELEVATION:	200 feet above mean sea level	WELL DEPTH:	210 feet below ground surface
CASING DIAMETER:	inches	SOLID CASING to	feet below ground surface
		PERFORATED CASING to	feet below ground surface
INITIAL WATER LEVEL:	23.8 feet above mean sea level	INITIAL CHLORIDE:	86 ppm
PUMP CHARACTERISTICS	SPECIFIC CAPACITY: 347 gpm/ft	PUMP CAPACITY:	22222 gpm
AQUIFER CHARACTERISTICS	AQUIFER SECTOR: Hanalei	AQUIFER SYSTEM:	Kalihiwai
UPPER AQUIFER HYDROLOGY:	Basal	; Fresh water in contact with seawater	
UPPER AQUIFER TYPE:	Unconfined	; Where water table is upper surface of saturated aquifer	
UPPER AQUIFER GEOLOGY:	Flank	; Horizontally extensive lavas	
UPPER AQUIFER USE STATUS:	Currently used		
UPPER AQUIFER UTILITY STATUS:	Drinking		
UPPER AQUIFER SALINITY in mg/l:	Fresh (<250)		
UPPER AQUIFER UNIQUENESS:	Irreplaceable		
UPPER AQUIFER VULNERABILITY:	High		
LOWER AQUIFER HYDROLOGY:		; Fresh water in contact with seawater	
LOWER AQUIFER TYPE:		; Where water table is upper surface of saturated aquifer	
LOWER AQUIFER GEOLOGY:		; Horizontally extensive lavas	
LOWER AQUIFER USE STATUS:			
LOWER AQUIFER UTILITY STATUS:			
LOWER AQUIFER SALINITY in mg/l:			
LOWER AQUIFER UNIQUENESS:			
LOWER AQUIFER VULNERABILITY:			
WELL GEOLOGY DESCRIPTION:	Pliocene, Koolau volcanic basalt: phenocrysts (olivine or feldspar), pored out of vents in rapid successions as aa and pahoehoe flows, thick formation, deeply weathered.		

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Source: REDHILL SHAFT (NAVY) - 2254-01, Location Map

Printed: 25-Mar-04



Source: REDHILL SHAFT (NAVY) - 2254-01, PCA Map

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PCA Score Summary

Score for source from PCAs within zone A:	30
Score for source from PCAs within zone B:	604
Score for source from PCAs within zone C:	10
Score for source if contamination has been detected:	0
<hr/>	
Total susceptibility score for the source:	644

Tabulated PCA scores for each delineated source water zones follows:

Zone A PCA Scores

Source USGS ID: 2254-01		Zone A CZD ID: 3XA3211		Total Score Zone A: 30	
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores
Military Installation:	1	30	Residential Parcel:	0	0
Agriculture, [ha]:	0.0	0	Major Road:	0	0
Power Plant:	0	0	Car Wash:	0	0
Sewer Line:	0	0	UST (no leak):	0	0
Park:	0	0	Septic Tank:	0	0
Utility Station:	0	0	Cesspool:	0	0

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Zone B PCA Scores

Source USGS ID: 2254-01			Zone B CZD ID: 3XB321			Total Score for Zone B: 604		
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores			
Agriculture, [ha]:	0.0	0	Photo Processing:	0	0			
Auto Repair Shop:	0	0	Power Plant:	1	20			
Boat Service:	1	12	RCRA CEG:	3	18			
Car Wash:	0	0	RCRA DAG:	2	4			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	1	12	RCRA SQG:	1	12			
Farm:	0	0	RCRA no info:	1	12			
Fire Station:	0	0	Residential Parcel:	106	6			
Food Processing:	12	72	Major Road:	13	6			
Gas Station:	0	0	High School:	1	6			
Golf Course:	0	0	Septic Tank:	0	0			
Hospital:	0	0	Sewer Line:	328	16			
Laboratory:	0	0	UST (leaking):	6	120			
Machine Repair:	0	0	UST (no leak):	1	12			
Military Installation:	9	180	Utility Station:	4	48			
Parking Lot:	0	0	Wastewater Treatment Plant:	0	0			
Park:	0	0						
Pesticide Applicator:	4	48						

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Zone C PCA Scores

Source USGS ID: 2254-01			Zone C CZD ID: 3XC321			Total Score for Zone C: 10		
PCAs	PCA Counts	PCA Scores	PCAs	PCA Counts	PCA Scores	PCAs	PCA Counts	PCA Scores
Agriculture, [ha]:	0.0	0	Photo Processing:	0	0			
Auto Repair Shop:	0	0	Power Plant:	0	0			
Boat Service:	0	0	RCRA CEG:	0	0			
Car Wash:	0	0	RCRA DAG:	0	0			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	1	6	RCRA SQG:	0	0			
Farm:	0	0	RCRA no info:	0	0			
Fire Station:	0	0	Residential Parcel:	1	1			
Food Processing:	0	0	Major Road:	1	3			
Gas Station:	0	0	High School:	0	0			
Golf Course:	0	0	Septic Tank:	0	0			
Hospital:	0	0	Sewer Line:	0	0			
Laboratory:	0	0	UST (leaking):	0	0			
Machine Repair:	0	0	UST (no leak):	0	0			
Military Installation:	0	0	Utility Station:	0	0			
Parking Lot:	0	0	Wastewater Treatment Plants:	0	0			
Park:	0	0						
Pesticide Applicator:	0	0						

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Well Contamination Data

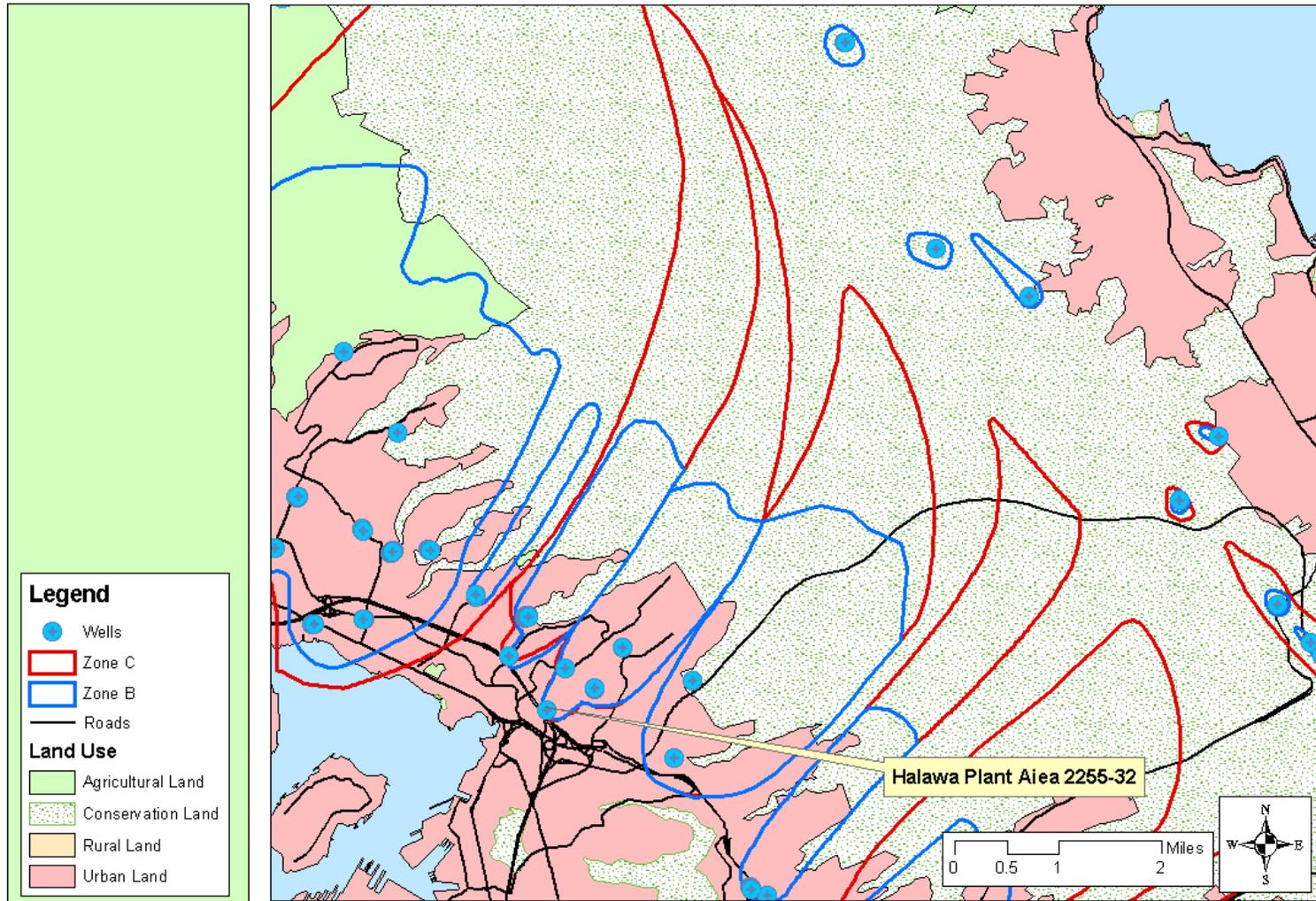
	2254-01	No contamination records were found				
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HALAWA PLANT AIEA (NAVY) PEARL HARBOR

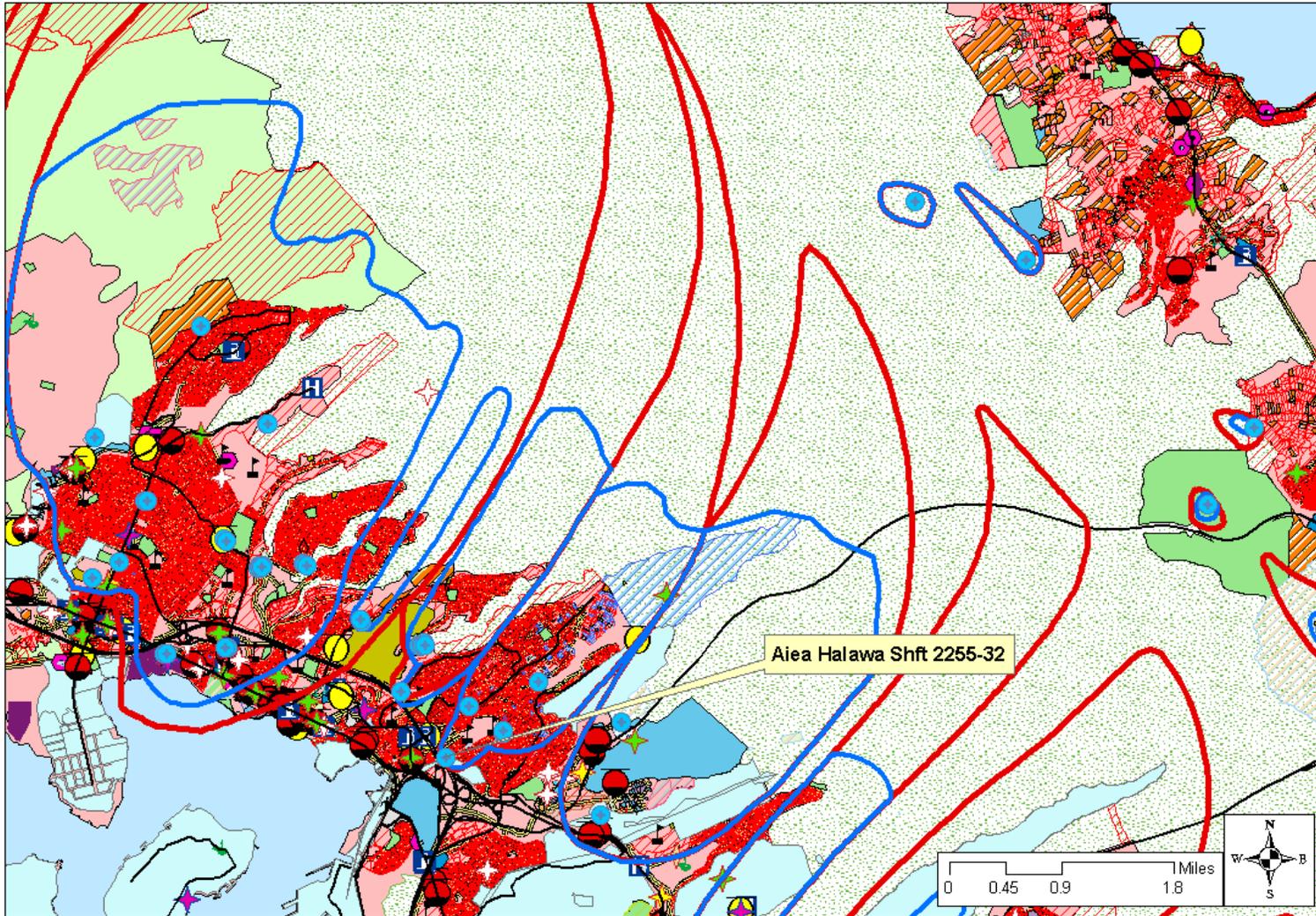
USGS ID :	2255-32	SYSTEM ID :	360-002
LOCATION OF THE SOURCE:	LATITUDE: XXX	LONGITUDE: XXX	
SOURCE OWNER OR USER:	U S Navy		
DATE OF CONSTRUCTION:	1937		
GROUND ELEVATION:	95 feet above mean sea level	WELL DEPTH:	99 feet below ground surface
CASING DIAMETER:	96 inches	SOLID CASING to	feet below ground surface
		PERFORATED CASING to	feet below ground surface
INITIAL WATER LEVEL:	feet above mean sea level	INITIAL CHLORIDE:	ppm
PUMP CHARACTERISTICS	SPECIFIC CAPACITY: gpm/ft	PUMP CAPACITY:	12014 gpm
AQUIFER CHARACTERISTICS	AQUIFER SECTOR: Hanalei	AQUIFER SYSTEM:	Kalihiwai
UPPER AQUIFER HYDROLOGY:	Basal ; Fresh water in contact with seawater		
UPPER AQUIFER TYPE:	Unconfined ; Where water table is upper surface of saturated aquifer		
UPPER AQUIFER GEOLOGY:	Flank ; Horizontally extensive lavas		
UPPER AQUIFER USE STATUS:	Currently used		
UPPER AQUIFER UTILITY STATUS:	Drinking		
UPPER AQUIFER SALINITY in mg/l:	Fresh (<250)		
UPPER AQUIFER UNIQUENESS:	Irreplaceable		
UPPER AQUIFER VULNERABILITY:	High		
LOWER AQUIFER HYDROLOGY:	; Fresh water in contact with seawater		
LOWER AQUIFER TYPE:	; Where water table is upper surface of saturated aquifer		
LOWER AQUIFER GEOLOGY:	; Horizontally extensive lavas		
LOWER AQUIFER USE STATUS:			
LOWER AQUIFER UTILITY STATUS:			
LOWER AQUIFER SALINITY in mg/l:			
LOWER AQUIFER UNIQUENESS:			
LOWER AQUIFER VULNERABILITY:			
WELL GEOLOGY DESCRIPTION:	Pliocene, Koolau volcanic basalt: phenocrysts (olivine or feldspar), pored out of vents in rapid successions as aa and pahoehoe flows, thick formation, deeply weathered.		

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Source: HALAWA PLANT AIEA (NAVY) - 2255-32, Location Map

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Source: HALAWA PLANT AIEA (NAVY) - 2255-32, PCA Map

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PCA Score Summary

Score for source from PCAs within zone A:	30
Score for source from PCAs within zone B:	266
Score for source from PCAs within zone C:	35
Score for source if contamination has been detected:	50
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Total susceptibility score for the source:	381

Tabulated PCA scores for each delineated source water zones follows:

Zone A PCA Scores

Source USGS ID: 2255-32		Zone A CZD ID: 3XA3201		Total Score Zone A: 30	
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores
Military Installation:	1	30	Residential Parcel:	0	0
Agriculture, [ha]:	0.0	0	Major Road:	0	0
Power Plant:	0	0	Car Wash:	0	0
Sewer Line:	0	0	UST (no leak):	0	0
Park:	0	0	Septic Tank:	0	0
Utility Station:	0	0	Cesspool:	0	0

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Zone B PCA Scores

Source USGS ID: 2255-32			Zone B CZD ID: 3XB320			Total Score for Zone B: 266		
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores			
Agriculture, [ha]:	0.0	0	Photo Processing:	0	0			
Auto Repair Shop:	0	0	Power Plant:	1	20			
Boat Service:	0	0	RCRA CEG:	3	18			
Car Wash:	0	0	RCRA DAG:	2	4			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	83	30	RCRA SQG:	0	0			
Farm:	0	0	RCRA no info:	0	0			
Fire Station:	0	0	Residential Parcel:	1846	16			
Food Processing:	1	6	Major Road:	5	6			
Gas Station:	0	0	High School:	2	12			
Golf Course:	0	0	Septic Tank:	12	8			
Hospital:	0	0	Sewer Line:	2936	40			
Laboratory:	0	0	UST (leaking):	0	0			
Machine Repair:	0	0	UST (no leak):	1	12			
Military Installation:	2	40	Utility Station:	4	48			
Parking Lot:	0	0	Wastewater Treatment Plant:	0	0			
Park:	1	6						
Pesticide Applicator:	0	0						

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Zone C PCA Scores

Source USGS ID: 2255-32			Zone C CZD ID: 3XC320			Total Score for Zone C: 35		
PCAs	PCA Counts	PCA Scores	PCAs	PCA Counts	PCA Scores	PCAs	PCA Counts	PCA Scores
Agriculture, [ha]:	0.0	0	Photo Processing:	0	0			
Auto Repair Shop:	0	0	Power Plant:	0	0			
Boat Service:	0	0	RCRA CEG:	0	0			
Car Wash:	0	0	RCRA DAG:	0	0			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	0	0	RCRA SQG:	0	0			
Farm:	0	0	RCRA no info:	0	0			
Fire Station:	0	0	Residential Parcel:	108	3			
Food Processing:	1	3	Major Road:	4	3			
Gas Station:	0	0	High School:	0	0			
Golf Course:	0	0	Septic Tank:	0	0			
Hospital:	0	0	Sewer Line:	89	6			
Laboratory:	0	0	UST (leaking):	0	0			
Machine Repair:	0	0	UST (no leak):	0	0			
Military Installation:	2	20	Utility Station:	0	0			
Parking Lot:	0	0	Wastewater Treatment Plants:	0	0			
Park:	0	0						
Pesticide Applicator:	0	0						

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Well Contamination Data

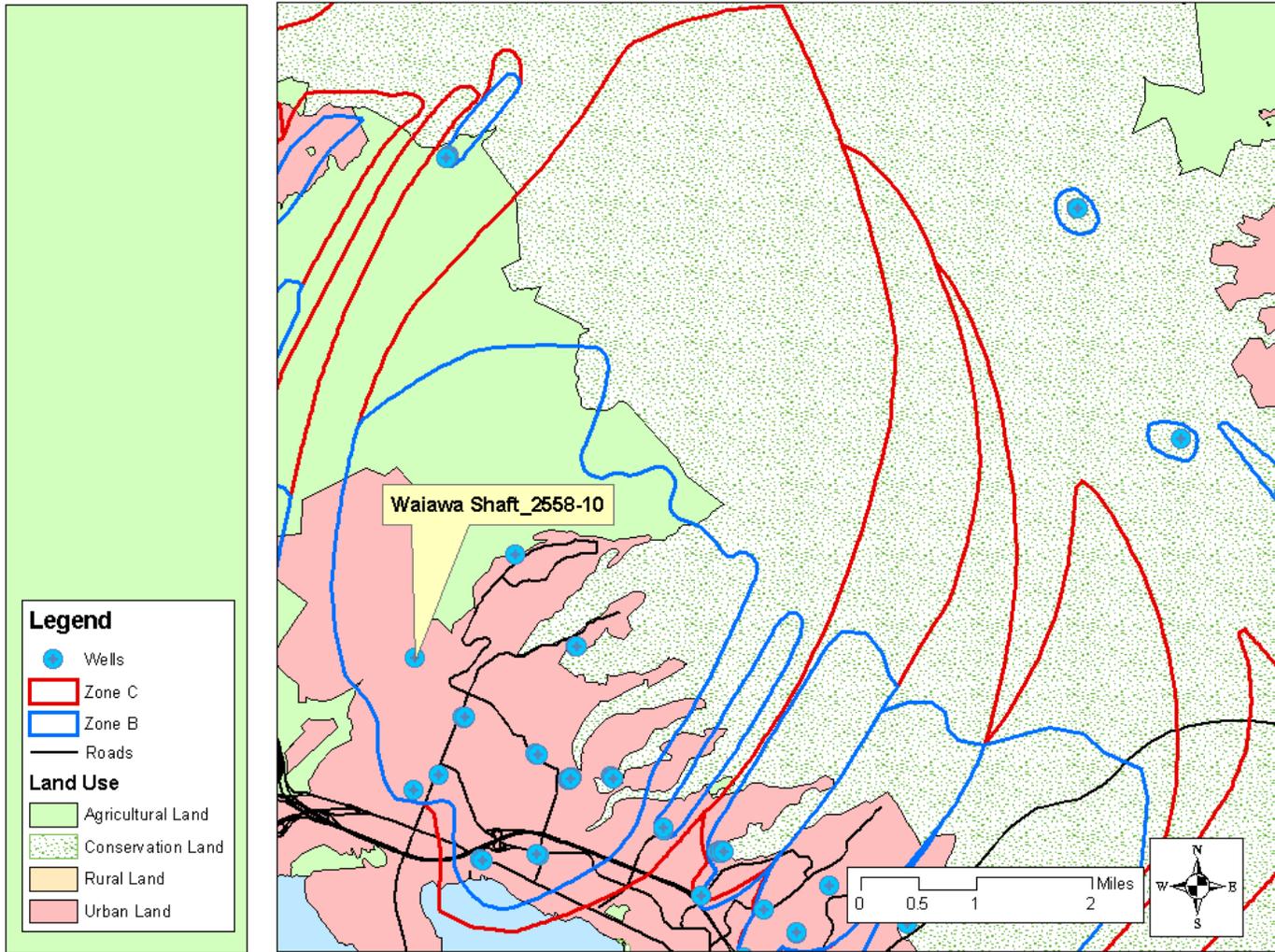
360-003	2255-32	Atrazine	Halawa Plant Aiea (Navy)	5/17/2001		0.012	
360-002	2255-32	Chlordane	Halawa Plant Aiea (Navy)	1/9/1998	<	0.3	
360-002	2255-32	Chlordane	Halawa Plant Aiea (Navy)	5/14/1997	<	0.3	
360-002	2255-32	Chlordane	Halawa Plant Aiea (Navy)	7/8/1997	<	0.3	
360-002	2255-32	Chlordane	Halawa Plant Aiea (Navy)	10/3/1997	<	0.3	
360-002	2255-32	Dieldrin	Halawa Plant Area	6/18/1996		0.01	
360-003	2255-32	Dieldrin	Halawa Plant Aiea (Navy)	2/22/2001		0.016	
360-002	2255-32	Dieldrin	Halawa Plant Aiea (Navy)	10/3/1997		0.019	
360-003	2255-32	Dieldrin	Halawa Plant Aiea (Navy)	10/30/2001		0.011	
360-003	2255-32	Dieldrin	Halawa Plant Aiea (Navy)	8/23/2000		0.02	
360-002	2255-32	Dieldrin	Halawa Plant Aiea (Navy)	5/14/1997		0.012	
360-003	2255-32	Dieldrin	Halawa Plant Aiea (Navy)	10/5/2000		0.016	
360-003	2255-32	Dieldrin	Halawa Plant Aiea (Navy)	5/31/2000		0.017	
360-002	2255-32	Dieldrin	Halawa Plant Aiea (Navy)	1/9/1998		0.012	
360-002	2255-32	Dieldrin	Halawa Plant Aiea (Navy)	4/7/1998		0.011	
360-002	2255-32	Dieldrin	Halawa Plant Aiea (Navy)	7/8/1997		0.017	

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WAIAWA SHAFT (NAVY) PEARL HARBOR

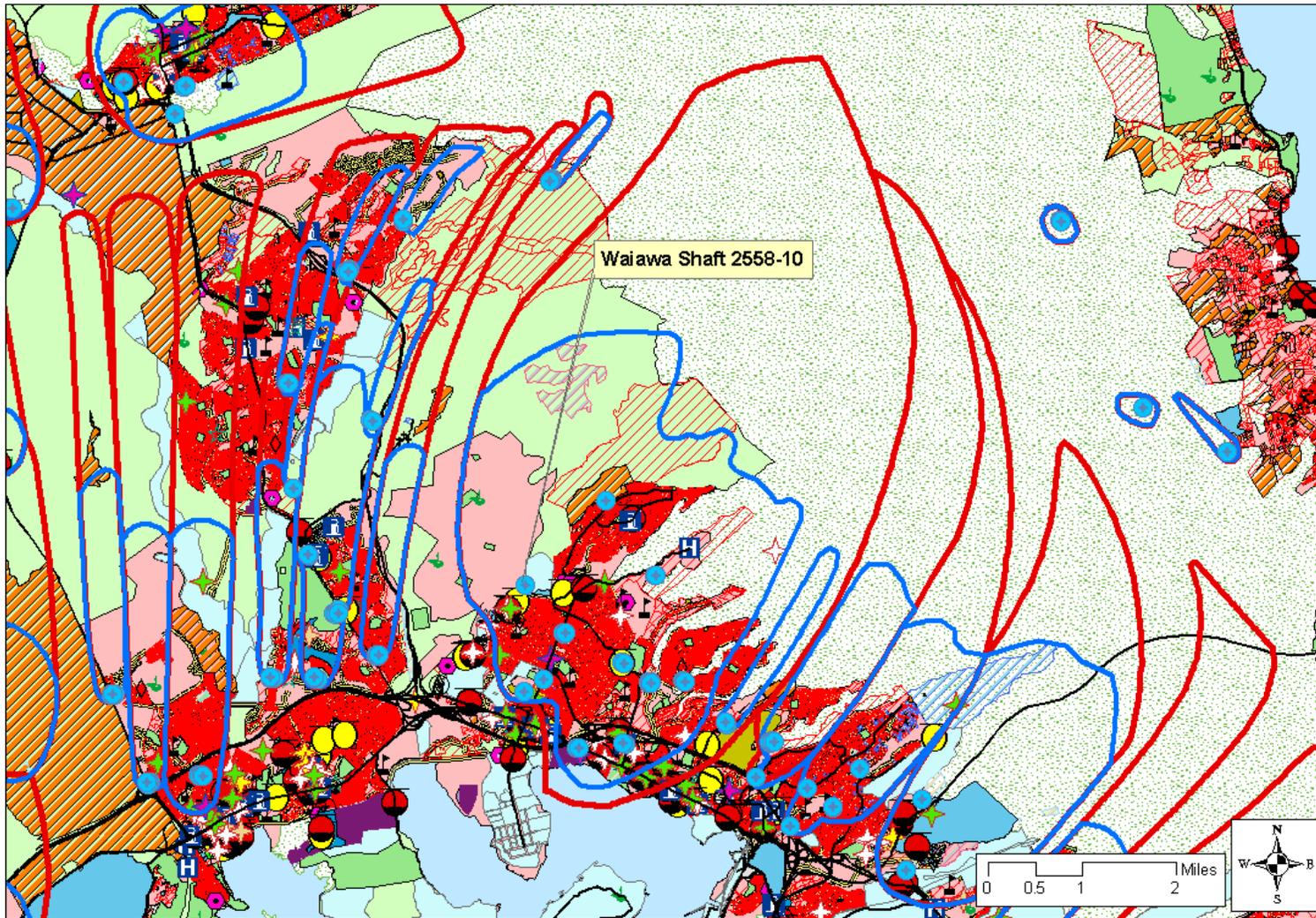
USGS ID :	2558-10	SYSTEM ID :	360-004
LOCATION OF THE SOURCE:	LATITUDE: XXX	LONGITUDE: XXX	
SOURCE OWNER OR USER:	U S Navy		
DATE OF CONSTRUCTION:	1951		
GROUND ELEVATION:	150 feet above mean sea level	WELL DEPTH:	170 feet below ground surface
CASING DIAMETER:	inches	SOLID CASING to	feet below ground surface
		PERFORATED CASING to	feet below ground surface
INITIAL WATER LEVEL:	feet above mean sea level	INITIAL CHLORIDE:	ppm
PUMP CHARACTERISTICS	SPECIFIC CAPACITY: gpm/ft	PUMP CAPACITY:	gpm
AQUIFER CHARACTERISTICS	AQUIFER SECTOR: Hanalei	AQUIFER SYSTEM:	Hanalei
UPPER AQUIFER HYDROLOGY:	Basal	; Fresh water in contact with seawater	
UPPER AQUIFER TYPE:	Unconfined	; Where water table is upper surface of saturated aquifer	
UPPER AQUIFER GEOLOGY:	Flank	; Horizontally extensive lavas	
UPPER AQUIFER USE STATUS:	Currently used		
UPPER AQUIFER UTILITY STATUS:	Drinking		
UPPER AQUIFER SALINITY in mg/l:	Fresh (<250)		
UPPER AQUIFER UNIQUENESS:	Irreplaceable		
UPPER AQUIFER VULNERABILITY:	High		
LOWER AQUIFER HYDROLOGY:		; Fresh water in contact with seawater	
LOWER AQUIFER TYPE:		; Where water table is upper surface of saturated aquifer	
LOWER AQUIFER GEOLOGY:		; Horizontally extensive lavas	
LOWER AQUIFER USE STATUS:			
LOWER AQUIFER UTILITY STATUS:			
LOWER AQUIFER SALINITY in mg/l:			
LOWER AQUIFER UNIQUENESS:			
LOWER AQUIFER VULNERABILITY:			
WELL GEOLOGY DESCRIPTION:			

Printed: 25-Mar-04



Source: WAIAWA SHAFT (NAVY) - 2558-10, Location Map

Printed: 25-Mar-04



Source: WAIAWA SHAFT (NAVY) - 2558-10, PCA Map

Printed: 25-Mar-04

PCA Score Summary

Score for source from PCAs within zone A:	30
Score for source from PCAs within zone B:	1270
Score for source from PCAs within zone C:	230
Score for source if contamination has been detected:	50
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Total susceptibility score for the source:	1580

Tabulated PCA scores for each delineated source water zones follows:

Zone A PCA Scores

Source USGS ID: 2558-10		Zone A CZD ID: 3XA31613		Total Score Zone A: 30	
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores
Military Installation:	1	30	Residential Parcel:	0	0
Agriculture, [ha]:	0.0	0	Major Road:	0	0
Power Plant:	0	0	Car Wash:	0	0
Sewer Line:	0	0	UST (no leak):	0	0
Park:	0	0	Septic Tank:	0	0
Utility Station:	0	0	Cesspool:	0	0

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Zone B PCA Scores

Source USGS ID: 2558-10			Zone B CZD ID: 3XB316			Total Score for Zone B: 1270		
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores			
Agriculture, [ha]:	468.8	40	Photo Processing:	0	0			
Auto Repair Shop:	6	72	Power Plant:	6	120			
Boat Service:	0	0	RCRA CEG:	7	42			
Car Wash:	7	42	RCRA DAG:	8	16			
Cemetery:	0	0	RCRA LQG:	2	40			
Cesspool:	7	12	RCRA SQG:	4	48			
Farm:	0	0	RCRA no info:	2	24			
Fire Station:	0	0	Residential Parcel:	8488	24			
Food Processing:	1	6	Major Road:	49	6			
Gas Station:	3	60	High School:	8	48			
Golf Course:	1	12	Septic Tank:	2	6			
Hospital:	2	12	Sewer Line:	1365	32			
Laboratory:	0	0	UST (leaking):	8	160			
Machine Repair:	0	0	UST (no leak):	9	108			
Military Installation:	3	60	Utility Station:	16	192			
Parking Lot:	1	6	Wastewater Treatment Plant:	2	40			
Park:	17	6						
Pesticide Applicator:	3	36						

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Zone C PCA Scores

Source USGS ID: 2558-10			Zone C CZD ID: 3XC316			Total Score for Zone C: 230		
PCAs	PCA Counts	PCA Scores	PCAs	PCA Counts	PCA Scores			
Agriculture, [ha]:	15.6	10	Photo Processing:	0	0			
Auto Repair Shop:	4	24	Power Plant:	1	10			
Boat Service:	0	0	RCRA CEG:	2	6			
Car Wash:	5	15	RCRA DAG:	0	0			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	8	6	RCRA SQG:	0	0			
Farm:	0	0	RCRA no info:	0	0			
Fire Station:	0	0	Residential Parcel:	919	6			
Food Processing:	2	6	Major Road:	15	3			
Gas Station:	1	10	High School:	1	3			
Golf Course:	0	0	Septic Tank:	5	3			
Hospital:	0	0	Sewer Line:	1482	16			
Laboratory:	0	0	UST (leaking):	5	50			
Machine Repair:	0	0	UST (no leak):	3	18			
Military Installation:	2	20	Utility Station:	2	12			
Parking Lot:	1	3	Wastewater Treatment Plants:	0	0			
Park:	3	3						
Pesticide Applicator:	1	6						

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Well Contamination Data

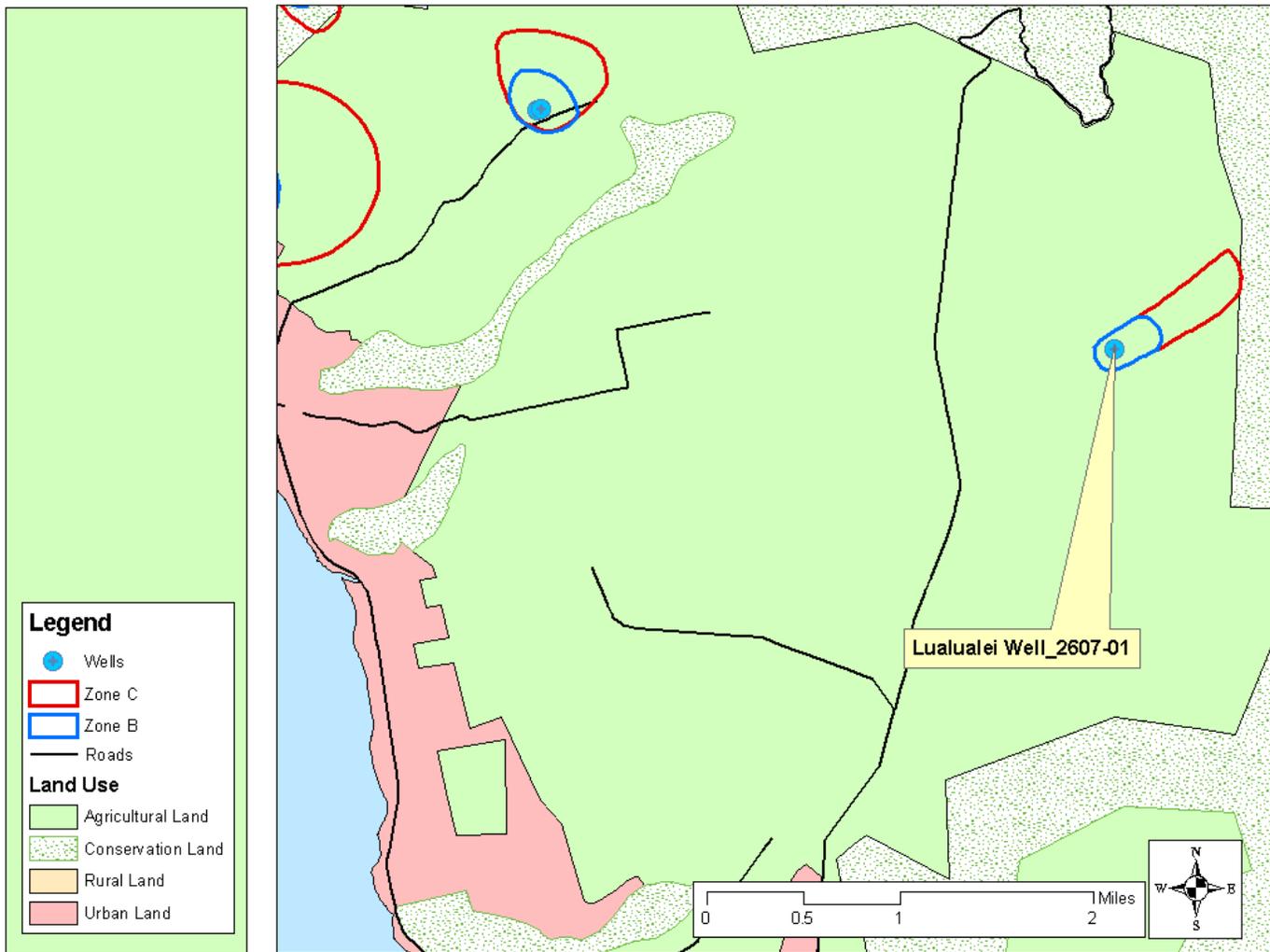
360-004	2558-10	O-xylene	Waiwa Shaft (Navy)	11/18/1998	<	0.3	
360-004	2558-10	O-xylene	Waiwa Shaft (Navy)	11/12/1998		1.7	

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AUX WELL BUILDING 410 NAVMAG LUALUALEI

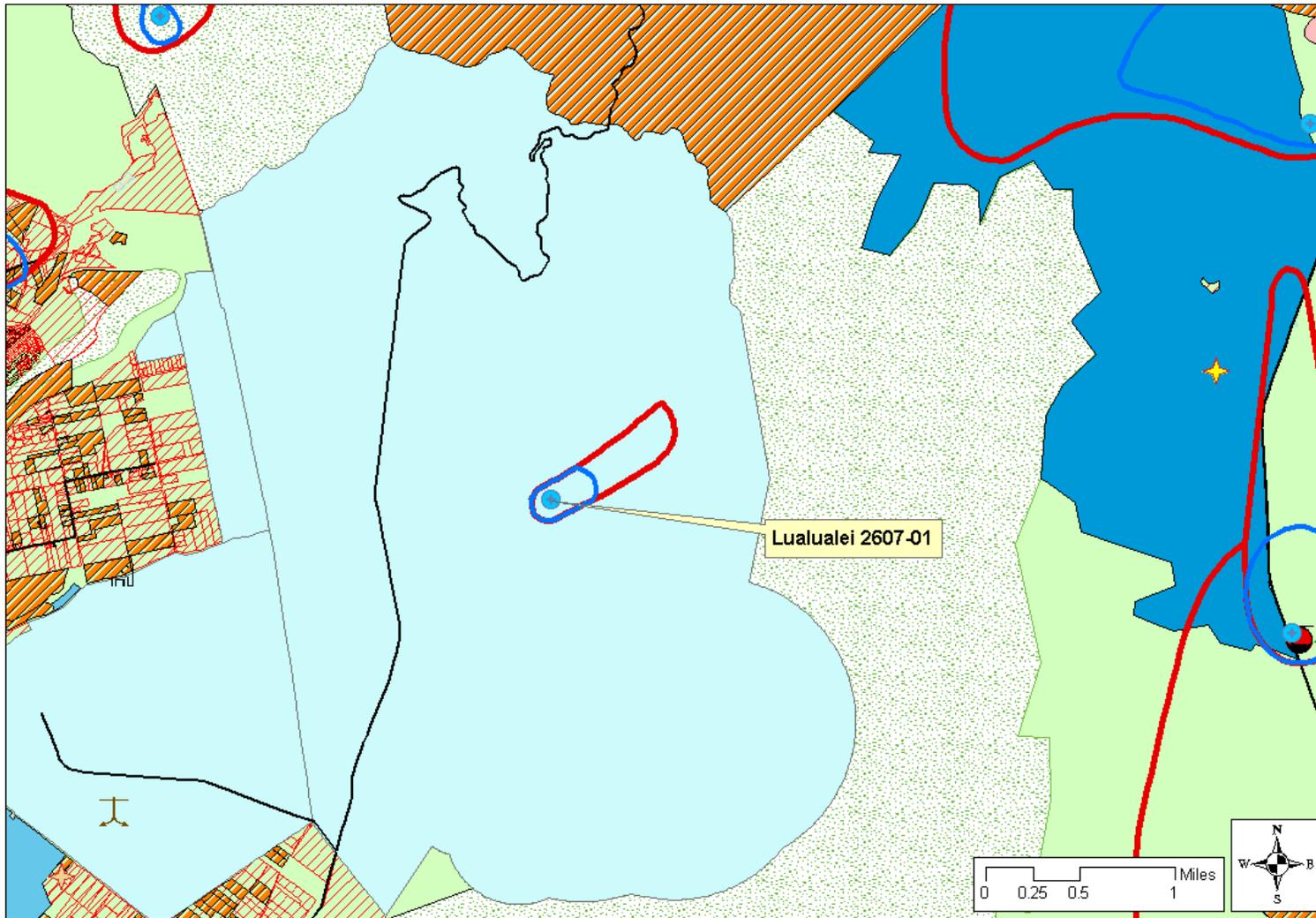
USGS ID :	2607-01	SYSTEM ID :	358-001
LOCATION OF THE SOURCE:	LATITUDE: XXX	LONGITUDE: XXX	
SOURCE OWNER OR USER:	U S Navy		
DATE OF CONSTRUCTION:	1958		
GROUND ELEVATION:	395 feet above mean sea level	WELL DEPTH:	451 feet below ground surface
CASING DIAMETER:	8 inches	SOLID CASING to	451 feet below ground surface
		PERFORATED CASING to	feet below ground surface
INITIAL WATER LEVEL:	35.7 feet above mean sea level	INITIAL CHLORIDE:	38 ppm
PUMP CHARACTERISTICS	SPECIFIC CAPACITY: 8 gpm/ft	PUMP CAPACITY:	gpm
AQUIFER CHARACTERISTICS	AQUIFER SECTOR: Waimea	AQUIFER SYSTEM:	Waimea
UPPER AQUIFER HYDROLOGY:	High Level ; Fresh water not in contact with sea water		
UPPER AQUIFER TYPE:	Unconfined ; Where water table is upper surface of saturated aquifer		
UPPER AQUIFER GEOLOGY:	Dike ; Aquifers in dike compartments		
UPPER AQUIFER USE STATUS:	Currently used		
UPPER AQUIFER UTILITY STATUS:	Drinking		
UPPER AQUIFER SALINITY in mg/l:	Fresh (<250)		
UPPER AQUIFER UNIQUENESS:	Irreplaceable		
UPPER AQUIFER VULNERABILITY:	High		
LOWER AQUIFER HYDROLOGY:	; Fresh water not in contact with sea water		
LOWER AQUIFER TYPE:	; Where water table is upper surface of saturated aquifer		
LOWER AQUIFER GEOLOGY:	; Aquifers in dike compartments		
LOWER AQUIFER USE STATUS:			
LOWER AQUIFER UTILITY STATUS:			
LOWER AQUIFER SALINITY in mg/l:			
LOWER AQUIFER UNIQUENESS:			
LOWER AQUIFER VULNERABILITY:			
WELL GEOLOGY DESCRIPTION:	Tertian & early Pleistocene, Waianae volcanic basalt: extrusive basalt negligible in eroded parts, firmly cemented poorly bedded breccia, water is confined by dike formations.		

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Source: AUX WELL BUILDING 410 - 2607-01, Location Map

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Source: LUALUALEI WELL - 2607-01, PCA Map

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PCA Score Summary

Score for source from PCAs within zone A:	30
Score for source from PCAs within zone B:	20
Score for source from PCAs within zone C:	10
Score for source if contamination has been detected:	0
<hr/>	
Total susceptibility score for the source:	60

Tabulated PCA scores for each delineated source water zones follows:

Zone A PCA Scores

Source USGS ID: 2607-01		Zone A CZD ID: 3XA410		Total Score Zone A: 30	
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores
Military Installation:	1	30	Residential Parcel:	0	0
Agriculture, [ha]:	0.0	0	Major Road:	0	0
Power Plant:	0	0	Car Wash:	0	0
Sewer Line:	0	0	UST (no leak):	0	0
Park:	0	0	Septic Tank:	0	0
Utility Station:	0	0	Cesspool:	0	0

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Zone B PCA Scores

Source USGS ID: 2607-01			Zone B CZD ID: 3XB410			Total Score for Zone B: 20		
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores
Agriculture, [ha]:	0.0	0	Photo Processing:	0	0			
Auto Repair Shop:	0	0	Power Plant:	0	0			
Boat Service:	0	0	RCRA CEG:	0	0			
Car Wash:	0	0	RCRA DAG:	0	0			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	0	0	RCRA SQG:	0	0			
Farm:	0	0	RCRA no info:	0	0			
Fire Station:	0	0	Residential Parcel:	0	0			
Food Processing:	0	0	Major Road:	0	0			
Gas Station:	0	0	High School:	0	0			
Golf Course:	0	0	Septic Tank:	0	0			
Hospital:	0	0	Sewer Line:	0	0			
Laboratory:	0	0	UST (leaking):	0	0			
Machine Repair:	0	0	UST (no leak):	0	0			
Military Installation:	1	20	Utility Station:	0	0			
Parking Lot:	0	0	Wastewater Treatment Plant:	0	0			
Park:	0	0						
Pesticide Applicator:	0	0						

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Zone C PCA Scores

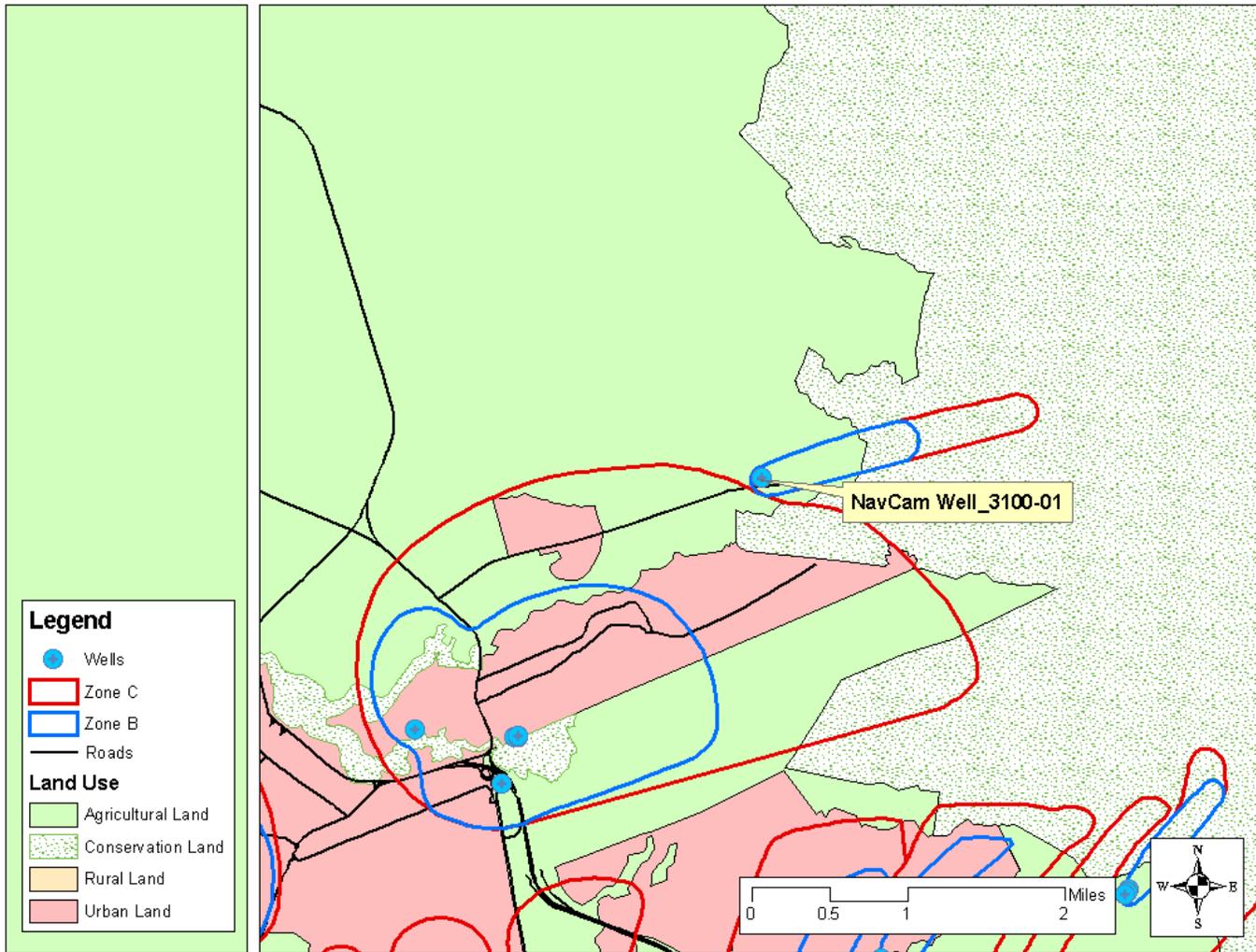
Source USGS ID: 2607-01			Zone C CZD ID: 3XC410			Total Score for Zone C: 10		
PCAs	PCA Counts	PCA Scores	PCAs	PCA Counts	PCA Scores	PCAs	PCA Counts	PCA Scores
Agriculture, [ha]:	0.0	0	Photo Processing:	0	0			
Auto Repair Shop:	0	0	Power Plant:	0	0			
Boat Service:	0	0	RCRA CEG:	0	0			
Car Wash:	0	0	RCRA DAG:	0	0			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	0	0	RCRA SQG:	0	0			
Farm:	0	0	RCRA no info:	0	0			
Fire Station:	0	0	Residential Parcel:	0	0			
Food Processing:	0	0	Major Road:	0	0			
Gas Station:	0	0	High School:	0	0			
Golf Course:	0	0	Septic Tank:	0	0			
Hospital:	0	0	Sewer Line:	0	0			
Laboratory:	0	0	UST (leaking):	0	0			
Machine Repair:	0	0	UST (no leak):	0	0			
Military Installation:	1	10	Utility Station:	0	0			
Parking Lot:	0	0	Wastewater Treatment Plants:	0	0			
Park:	0	0						
Pesticide Applicator:	0	0						

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Well Contamination Data

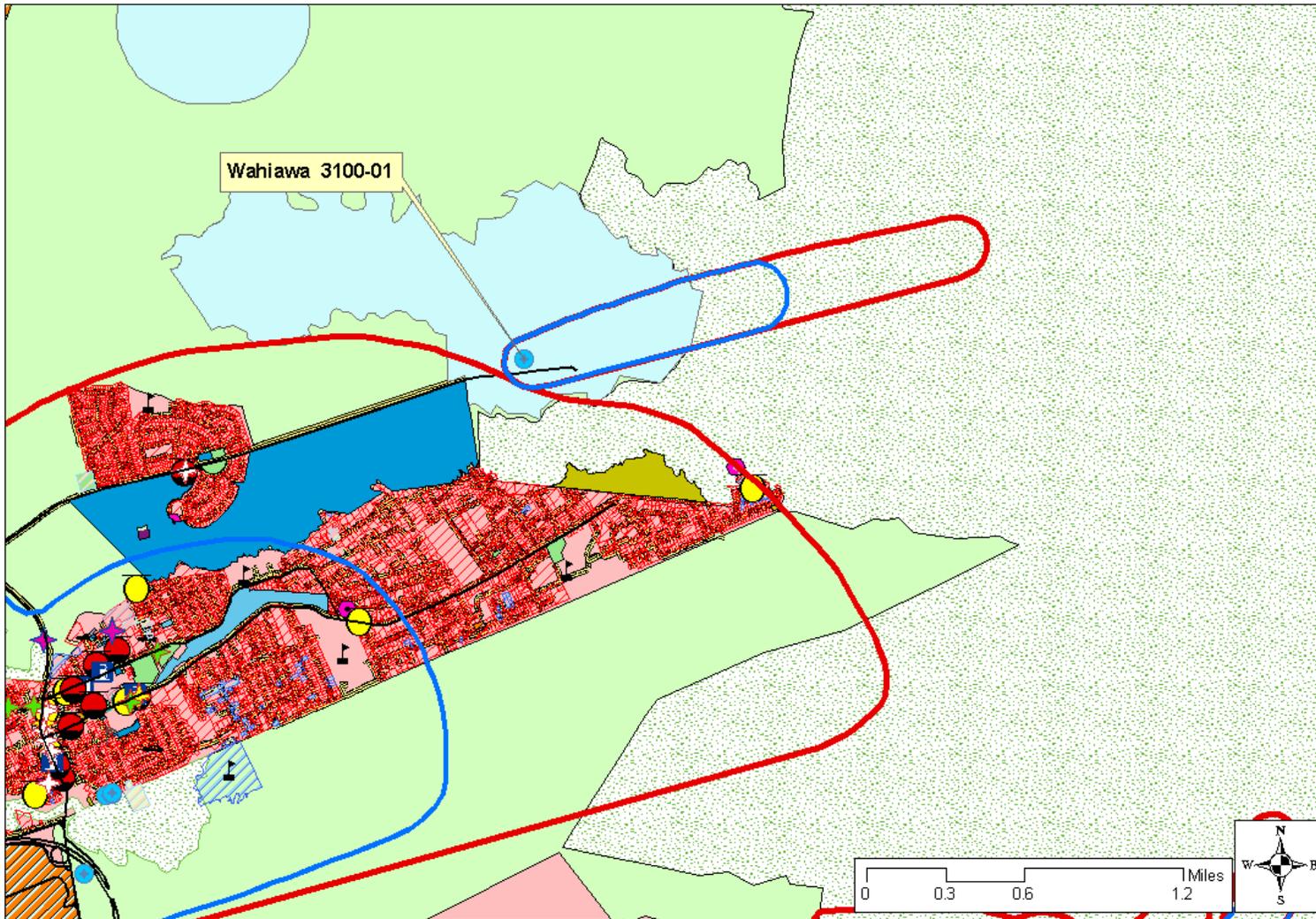
	2607-01	No contamination records were found				
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Source: NAVCAM WELL - 3100-01, Location Map

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Source: NAVCAM WELL CONST. - 3100-01, PCA Map

Printed: 25-Mar-04

PCA Score Summary

Score for source from PCAs within zone A:	30
Score for source from PCAs within zone B:	66
Score for source from PCAs within zone C:	10
Score for source if contamination has been detected:	0
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Total susceptibility score for the source:	106

Tabulated PCA scores for each delineated source water zones follows:

Zone A PCA Scores

Source USGS ID: 3100-01		Zone A CZD ID: 3XA203		Total Score Zone A: 30	
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores
Military Installation:	1	30	Residential Parcel:	0	0
Agriculture, [ha]:	0.0	0	Major Road:	0	0
Power Plant:	0	0	Car Wash:	0	0
Sewer Line:	0	0	UST (no leak):	0	0
Park:	0	0	Septic Tank:	0	0
Utility Station:	0	0	Cesspool:	0	0

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Zone B PCA Scores

Source USGS ID: 3100-01			Zone B CZD ID: 3XB203			Total Score for Zone B: 66		
PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores	PCA	PCA Counts	PCA Scores
Agriculture, [ha]:	0.0	0	Photo Processing:	0	0			
Auto Repair Shop:	0	0	Power Plant:	0	0			
Boat Service:	0	0	RCRA CEG:	0	0			
Car Wash:	0	0	RCRA DAG:	0	0			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	0	0	RCRA SQG:	0	0			
Farm:	0	0	RCRA no info:	0	0			
Fire Station:	0	0	Residential Parcel:	0	0			
Food Processing:	0	0	Major Road:	1	6			
Gas Station:	0	0	High School:	0	0			
Golf Course:	0	0	Septic Tank:	0	0			
Hospital:	0	0	Sewer Line:	0	0			
Laboratory:	0	0	UST (leaking):	0	0			
Machine Repair:	0	0	UST (no leak):	0	0			
Military Installation:	3	60	Utility Station:	0	0			
Parking Lot:	0	0	Wastewater Treatment Plant:	0	0			
Park:	0	0						
Pesticide Applicator:	0	0						

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Zone C PCA Scores

Source USGS ID: 3100-01			Zone C CZD ID: 3XC203			Total Score for Zone C: 10		
PCAs	PCA Counts	PCA Scores	PCAs	PCA Counts	PCA Scores	PCAs	PCA Counts	PCA Scores
Agriculture, [ha]:	0.0	0	Photo Processing:	0	0			
Auto Repair Shop:	0	0	Power Plant:	0	0			
Boat Service:	0	0	RCRA CEG:	0	0			
Car Wash:	0	0	RCRA DAG:	0	0			
Cemetery:	0	0	RCRA LQG:	0	0			
Cesspool:	0	0	RCRA SQG:	0	0			
Farm:	0	0	RCRA no info:	0	0			
Fire Station:	0	0	Residential Parcel:	0	0			
Food Processing:	0	0	Major Road:	0	0			
Gas Station:	0	0	High School:	0	0			
Golf Course:	0	0	Septic Tank:	0	0			
Hospital:	0	0	Sewer Line:	0	0			
Laboratory:	0	0	UST (leaking):	0	0			
Machine Repair:	0	0	UST (no leak):	0	0			
Military Installation:	1	10	Utility Station:	0	0			
Parking Lot:	0	0	Wastewater Treatment Plants:	0	0			
Park:	0	0						
Pesticide Applicator:	0	0						

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Well Contamination Data

	3100-01	No contamination records were found				
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