



SITE REGISTRY REPORT

40TH STREET & OSBORN

May 18, 2000

**Site Assessment Unit
Waste Programs Division
Superfund Programs Section**

TABLE OF CONTENTS

	<u>Page</u>
I. INTRODUCTION.....	1
II. SITE DESCRIPTION	1
III. E&E SCORE.....	2
IV. LIMITATIONS.....	2

APPENDIX A - Site Boundary Map

APPENDIX B - File Index

I. INTRODUCTION

This Site Registry Report for the 40th Street and Osborn Site is prepared to meet the requirements established in Arizona Revised Statutes (A.R.S.) §49-287.01. Additionally, Senate Bill 1452, Section 56 (F) (Session Law) requires that former Water Quality Assurance Revolving Fund (WQARF) Priority List Sites are evaluated using the current Eligibility and Evaluation Model and either placed on the WQARF Registry or a No Further Investigation or Action decision is made for the site. In the Arizona Revised Statutes (A.R.S.), “Site” is defined at §49-281.14. It is stated that, “‘Site’ means the geographical areal extent of contamination.” The 40th Street and Osborn Site is an area where there is a geographical areal extent of contamination. This is one of several Sites in the former East Central Phoenix Priority List Project Area.

II. SITE DESCRIPTION

The East Central Phoenix Water Quality Assurance Revolving Fund (WQARF) Project Area was placed in the WQARF Priority List in 1987. Data obtained after the project area was placed on the WQARF priority list indicated various areas of volatile organic compounds (VOC) contamination were in the project area.

The 40th Street and Osborn Site is an area of VOC contamination. Analysis of water quality via an irrigation well, Salt River Project (SRP) well 17.9E-7.5N, has shown that groundwater is contaminated. Due to limited sampling avenues in proximity to the SRP well 17.9E-7.5N, the extent of contamination isn’t well defined. However, it is known that water captured by the SRP well 17.9E-7.5N during a September 28, 1998 sampling event has produced water containing 210 micrograms/liter of Tetrachloroethylene (PCE) which has an oral ingestion Health Based Guidance Level (HBGL) of 0.7 micrograms/liter. The Department of Health and Human Services (DHHS) has determined that tetrachloroethylene may reasonably be anticipated to be a carcinogen. Other VOC contaminants including trichloroethylene have also been detected in groundwater at the site.

The 40th Street and Osborn Site file contains information regarding water quality and the site. Additional information regarding water quality data is found in the East Central Phoenix files.

The City of Phoenix supplies drinking water in the area and has systems in place to ensure all drinking water standards are met. The Salt River Project has administrative controls in place so that SRP well 17.9E-7.5N will not be used. There are not any other wells known to be in immediate proximity to SRP well 17.9E-7.5N or capturing contamination identified at this site. Therefore, there is almost no chance of human contact with the contamination via groundwater. The source of the contamination is not known; however, it is not expected that levels of VOCs in surface soils would be high enough to present a significant hazard. The health effects of breathing in air or drinking water with low levels of tetrachloroethylene are not known.

III. E&E SCORE

Based on the most current information, the current Eligibility & Evaluation (E&E) score for the 40th Street and Osborn Site is 30. Presently the 27 WQARF Registry sites' E&E scores range from 17 to 97 out of the possible 120. All of these sites require further action. The contamination at 40th Street and Osborn has impacted the availability of groundwater and use of SRP's irrigation well.

IV. LIMITATIONS

This Site Registry Report (SRR) is based upon information available as of the date shown. The SRR is intended as a historical document meeting the public notification requirements of A.R.S. § 49-287.01 (B) and (D). Site boundaries depicted on the attached Site Boundary Map represent ADEQ's interpretation of data available at the time the map was constructed. The map is intended to provide the public with basic information as to the estimated geographic extent of known contamination as of the date of the SRR. The actual extent of contamination may be different. Therefore the geographic boundaries for this site may change in the future as new information becomes available.

An updated SRR and associated Site Boundary Map **will not** be issued. As new information becomes available it will be made available for public review through placement in the public file.

APPENDIX A

APPENDIX B

May 18, 2000

40TH STREET AND OSBORN
PUBLIC FILE INDEX
PRELIMINARY INVESTIGATION FILE

SRP Well WQ and water level data, November 22, 1999

E-mail from Mark E. Beene to Lowell Carty

Sensitivity Analysis of Contamination Detected in Salt River Project Well 17.9E-7.5N - Eligibility and Evaluation (E&E) Model Score for 40th Street and Osborn dated November 22, 1999

32nd Street and Indian School Public File Index dated December 2, 1999 and note to see

documents for communications with SRP resulting in the November 22, 1999 SRP Well WQ and water level data, Dames and Moore Memorandum, Characterizing Groundwater in the Vicinity of SRP Wells 16E-6.8N, 17E-8N, and 17.9E-7.5N, and the East Central Phoenix WQARF Redefinition Areas, dated September 3, 1997, and other documents

Draft Example Map for potential registry site and USAS Number Request Form

Arizona Department of Water Resources Water Quality Information Map (WAQUI Map) and attachments, dated November 5, 1999

SRP Comments on Proposed Registry Sites dated February 23, 2000

Draft Registry Report 40th Street and Osborn dated March 10, 2000

Letter to SRP with attachments responding to SRP Comments on Proposed Registry Sites dated March 10, 2000

SRP May 3, 2000, Comments on Proposed Registry Sites during Public Comment Period

Arizona Department of Environmental Quality May 18, 2000, Memorandum - Responsiveness

Summary of Comments Received pursuant to A.R.S. §49.287.01 for 40th Street and Osborn Water Quality Assurance Revolving Fund (WQARF) Site and attachments

ADEQ Letter to SRP - Notification of Site Declared Registry Site and attachment Memorandum - Responsiveness Summary with attachments

DRAFT

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY ASSURANCE REVOLVING FUND

REVISED ELIGIBILITY AND EVALUATION FORM

October 2, 1996

EMERGENCY ACTION INFORMATION

SITE NAME: 40TH STREET AND OSBORN
EMERGENCY: YES X NO
DESCRIPTION: Contamination at SRP Well 17.9E-7.5N
DWR Reg# 55-617857

FACILITY INFORMATION

SITE NAME: 40TH STREET AND OSBORN
SITE ADDRESS: _____

SITE CONTACT: Ray Hedrick (602) 236-2828 Philipi Amadi (602) 236-2183
ADDRESS: P. O. Box/PAB352, Phoenix, Arizona 85072

COUNTY: Maricopa LAT / LONG: 33.48731/111.99594
OWNER: SRP OPERATOR: SRP
ADDRESS: See contact ADDRESS: See Contact

SCORING INFORMATION

A.	RELEASE EVENT (10 pts)	<u>5</u>
B.	SITE AND CONTAMINANT CHARACTERISTICS (30 pts)	<u>15</u>
C.	HUMAN EXPOSURE ROUTES (65 pts)	<u>10</u>
D.	ENVIRONMENTAL FACTORS (15 pts)	<u>0</u>
	TOTAL SCORE	<u>30</u>

I. SCORING SUMMARY

A. RELEASE EVENT (10 pts) ¹	<u>5</u>
1. SOIL (3 pts)	<u>1</u>
2. GROUNDWATER (4 pts)	<u>4</u>
3. SURFACE WATER (3 pts)	<u>0</u>
B. SITE AND CONTAMINANT CHARACTERISTICS (30 pts)	<u>15</u>
1. CONTAMINANT SPECIFIC (15 pts)	<u>8</u>
a. Contaminant Hazard (5 pts)	<u>3</u>
b. Extent of Contamination (4 pts)	<u>0</u>
c. Mobility (3 pts)	<u>3</u>
d. Persistence (2 pts)	<u>2</u>
e. Bioaccumulation (1 pt)	<u>0</u>
2. SITE SPECIFIC (15 pts)	<u>7</u>
a. Groundwater (10 pts)	<u>7</u>
i. DRASTIC Maps (5 pts)	<u>2</u>
ii. Other Factors (5 pts)	<u>5</u>
b. Surface Water (5 pts)	<u>0</u>
i. Slope/Distance (3 pts)	<u>0</u>
ii. Flood Frequency (1 pt)	<u>0</u>
iii. Groundwater Recharge (1 pt)	<u>0</u>
C. HUMAN EXPOSURE ROUTES (65 pts)	<u>10</u>
1. GROUNDWATER (30 pts)	<u>10</u>
a. Drinking Water Wells Affected (20 pts)	<u>0</u>
i. Actual - Population (10 pts)	<u>0</u>
ii. Actual - Standards (5 pts)	<u>0</u>
iii. Potential - Population (5 pts)	<u>0</u>
b. Impacted Production Wells (5 pts)	<u>5</u>
c. Primary Source of Drinking Water/ No Alternative Water Supply (5 pts)	<u>5</u>
2. SURFACE WATER (20 pts)	<u>0</u>
a. Population Affected (15 pts)	<u>0</u>
i. Actual - Population (7 pts)	<u>0</u>
ii. Actual - Standards (5 pts)	<u>0</u>
iii. Potential - Population (3 pts)	<u>0</u>
b. Uses of Surface Water (5 pts)	<u>0</u>
3. SOIL (15 pts)	<u>0</u>
a. Population (5 pts)	<u>0</u>
b. Accessibility (5 pts)	<u>0</u>
c. Sensitive Receptors (5 pts)	<u>0</u>
D. ENVIRONMENTAL FACTORS (15 pts)	<u>0</u>
1. ECOLOGICAL FACTORS (9 pts)	<u>0</u>
2. RECREATIONAL USES (3 pts)	<u>0</u>
3. CULTURAL RESOURCES (3 pts)	<u>0</u>

¹Potential total points

A. RELEASE EVENT (10 pts)

5

If contaminants are present in the groundwater, surface water, or soil, score a known release to the appropriate media. If there is no release to groundwater, surface water, or soil, the remainder of the form should not be completed.

1. SOIL (3 pts)

Please use the following table:

Type of Release	Soil Score
Known	3
Unknown	1
None	0

1 Total Soil Score (A.1.)

2. GROUNDWATER (4 pts)

Type of Release	Groundwater Score
Known	4
Unknown	2
None	0

4 Total Groundwater Score (A.2.)

3. SURFACE WATER (3 pts)

Type of Release	Surface Water Score
Known	3
Unknown	1
None	0

0 Total Surface Water Score (A.3.)

5 **Total Release Event Score (A.1. + A.2. + A.3.)**

B. SITE AND CONTAMINANT CHARACTERISTICS (30 pts)

1. CONTAMINANT SPECIFIC (15 pts)

a. Contaminant Hazard

3

Contaminant hazard is the ratio (R) of the contaminant concentration to the benchmark for the substance. For groundwater:

$$R = C/\text{Drinking Water HBGL}$$

For Surface Water:

$$R = C/\text{Drinking Water HBGL}$$

For Soil:

$$R = C/\text{Residential HBGL}$$

Determine a score for each of the three media as follows: First, determine the highest possible value of R for each substance; then add the R values together. Then add together the R values for the three media (groundwater, surface water, and soil). Finally, choose the highest score from the following table:

<u>R</u>	<u>Score</u>
R < 1	0
1 < R < 10	1
10 < R < 100	2
100 < R < 1,000	3
1,000 < R < 10,000	4
10,000 < R	5

b. Extent of Contamination

0

What is the extent of release of the hazardous substance? Use the quantity that yields the highest score. Please use the following table:

	<u>Criteria</u>			<u>Score</u>
Volume of Soil (cu. yds.)	Ground-water* (wells)	Rivers/Streams (miles)	Lakes (ac. of surface)	
> 1,000	> 15	> 1.0	> 100	4
101 - 1,000	10 - 15	0.5 - 1.0	26 - 100	3
10 - 100	5 - 9	0.2 - 0.5	5 - 25	2
< 10	1 - 4	< 0.2	< 5	1
Unknown	Unknown	Unknown	Unknown	0

*Production wells only

c. Mobility

3

The Groundwater Protection Levels (GPLs) are used as a measure of mobility, and onsite soil concentrations © will be compared to the GPL. If site-specific data is available, then the GPL will be calculated using the ADEQ model. If site-specific data is not available, then the minimum GPL will be used. Choose the highest score from the following table:

<u>Criteria</u>	<u>Score</u>
Groundwater Contamination at the Site	3
C > Site Specific GPL	2
C > Minimum GPL	1
C < Minimum GPL	0
No GPL Available	0

d. Persistence

2

Persistence is determined by the type of contaminant. Please choose the highest score from the following table:

<u>Criteria</u>	<u>Score</u>
Metals, Polycyclic Compounds, and Halogenated Hydrocarbons [PCE,TCE]	2
Straight Chain Hydrocarbons, Substituted Ring Compounds, and Other Ring Compounds	1
Easily Biodegradable Compounds	0

e. Bioaccumulation

0

Look up the Food Chain Bioaccumulation value in the Superfund Chemical Data Matrix (SCDM). Please use the following table:

<u>Criteria</u>	<u>Score</u>
Bioaccumulation Value > 50	1
Bioaccumulation Value # 50	0

8 Total Contaminant Specific Score (B.1.)
(B.1.a. + B.1.b. + B.1.c. + B.1.d. + B.1.e.)

2. SITE SPECIFIC (15 pts)

a. Groundwater (10 pts)

i. DRASTIC Maps

2

The DRASTIC score will be determined from the county DRASTIC map. If pesticides are of concern at the site, use the Pesticide DRASTIC map; otherwise, use the General DRASTIC map. If no DRASTIC map is available, the attached instructions will be used to generate a pseudo-DRASTIC score. The score will be evaluated according to the following table:

<u>Criteria</u>	<u>Score</u>
200 # DRASTIC Score	5
160 # DRASTIC Score # 199	4
120 # DRASTIC Score # 159	3
80 # DRASTIC Score # 119	2
DRASTIC Score # 79	1

ii. Other Factors

5

Other factors include depth from the bottom of contamination to groundwater and the groundwater to surface water flow. Please choose the highest score from the following table:

	<u>Criteria</u>	<u>Score</u>
Depth from Contamination to Groundwater (feet)	0	5
	1- 25	4
	26-100	3
	101-300	2
	>300	1
Potential for Groundwater to Reach Surface Water	Groundwater Discharging to Surface Water	2
	Groundwater Wells Pumped to Surface Water	1

b. Surface Water (5 pts)

i. Slope/Distance

0

Determine the average slope between the site and surface water, and determine the distance to the nearest surface water. Use the following table to determine the slope/distance value:

Slope, %	Distance in Feet			
	0-100	101-500	501-1,000	>1,000
0 - 3	3	1	1	0
3 - 5	3	2	1	1
5 - 7	3	3	2	1
>7	3	3	3	1

ii. Flood Frequency

0

Score 1 point if the site is located within the 100-year floodplain.

iii. Groundwater Recharge

0

Score 1 point if the site is located in an area of active groundwater recharge.

7 Total Site Specific Score (B.2.)
(B.2.a.i. + B.2.a.ii. + B.2.b.i. + B.2.b.ii. + B.2.b.iii.)

15 Total Site and Contaminant Characteristics Score
(B.1. + B.2.)

HUMAN EXPOSURE ROUTES (65 pts)

1. GROUNDWATER (30 pts)

If there is no release or threat of release to groundwater, do not complete this section (I.C.1.).

a. Drinking Water Wells Affected

i. Actual Contamination - Population

0

This will be evaluated if any contamination has been detected in drinking water wells. Please choose the highest score from the following table:

Population Served by Groundwater: Actual Contamination Choose the Highest Score	
Population served by groundwater	Score
0	0
1- 25	4
25- 999	6
1,000-4,999	8
\$5,000	10

ii. Actual Contamination - Standards

0

Score 5 points if any contamination has been detected in drinking water wells at concentrations exceeding the Maximum Contaminant Levels (MCLs).

iii. Potential Contamination - Population

0

This will be evaluated if (1) contamination has not impacted any drinking water wells, but may impact them in the future or (2) contamination has impacted drinking water wells, and it may spread to other drinking water wells. Choose the highest score from the following table:

Population Served by Groundwater: Potential Contamination Choose the Highest Score				
Population Served	Distance Down gradient from Contamination			
	0-¼ Mile	¼-1 Mile	1-4 Miles	>4 Miles
0	0	0	0	0
1 - 25	3	2	1	0
25 - 5,000	4	2	1	0
\$ 5,000	5	3	1	0

b. Impacted Production Wells 5
 Score 5 points if contamination has been detected in any production wells, including wells closed due to contamination.*

c. Primary Source of Drinking Water/
 No Alternative Drinking Water Supply 5
 Score 5 points for sites where groundwater is the primary source of drinking water or where no alternative drinking water supply is available.

10 Total Groundwater Score (C.1.)
 (C.1.a.i. + C.1.a.ii. + C.1.b. + C.1.c.)

2. SURFACE WATER (15 pts)

If there is no release or threat of release to surface water, do not complete this section (I.C.2.).

a. Drinking Water Intakes Affected

i. Actual Contamination - Population 0
 This will be evaluated if contamination has impacted drinking water intakes. Please choose the highest score from the following table:

Population Served by Surface Water: Actual Contamination Choose the Highest Score	
Population served by surface water	Score
0	0
1- 25	3
25- 999	5
1,000-4,999	6
\$5,000	7

ii. Actual Contamination - Standards 0
 Score 5 points if any contaminants have been detected at the drinking water intakes at concentrations exceeding Maximum Contaminant Levels (MCLs).

iii. Potential Contamination - Population 0
 This will be evaluated if (1) contamination has not impacted any drinking water intakes, but may impact them in the future or (2) contamination has impacted drinking water intakes and it may spread to other drinking water intakes.

Population Served by Surface Water: Potential Contamination Choose the Highest Score			
Population Served	Distance Downgradient from Contamination		
	0 - 1 Mile	1 - 15 Miles	> 15 Miles
0	0	0	0
1 - 25	2	1	0
25 - 5,000	2	1	0
\$ 5,000	3	1	0

b. Uses of Surface Water 0

Please choose the highest score from the following table:

<u>Criteria</u>	<u>Score</u>
Drinking water or full body contact	5
Aquatic and wildlife/warm or cold water fishery or incidental human contact	4
Agriculture or livestock watering	2
Other uses	1
Not Applicable	0

0 Total Surface Water Score (C.2.)
(C.2.a.i. + C.2.a.ii. + C.2.b.)

3. SOIL (15 pts)

If there is no release to soil, do not complete this section (I.C.3.). If the contaminant concentration is below the Arizona Human Health-Based Guidance Level (HBGL), score 0 for this section. If the contaminant is not present in the upper 2 feet of soil, score 0 for this section.

a. Population Affected 0

Please choose the highest score from the following table:

Distance from Site	Population		
	1-100	100-500	>500
0 - 1/2 mile	3	4	5
1/2 - 1 mile	0	1	2

b. Sensitive Receptors 0

Sensitive receptors include schools, day care, hospitals, and nursing homes. Choose the highest score from the following table:

<u>Criteria</u>	<u>Score</u>
Sensitive Receptors Onsite	5
Adjacent to the Site	4
Within 1/4 Mile	3
> 1/4 Mile	0

c. Accessibility

0

If the contaminant concentration exceeds the HBGL and is present in the upper 2 feet of soil, then choose the highest score from the following table:

<u>Criteria</u>	<u>Score</u>
No Fence or Paving	5
Non-Maintained Fence or Paving	3
Maintained Fence or Paving	1
Maintained Fence and VEMUR	0

0 **Total Soil Option 1 Score (C.3.)**
(C.3.a. + C.3.b. + C.3.c.)

D. ENVIRONMENTAL FACTORS (15 pts)

1. ECOLOGICAL (9 pts)

0

Evaluate ecological factors for conditions onsite. Choose the highest score from the table on the next page.

2. RECREATIONAL (3 pts)

0

Score 3 points if the site is used for public recreation.

3. CULTURAL RESOURCES (3 pts)

0

Score 3 points if any of the following are present onsite:

Historical Sites

Burial Grounds

Archaeological Sites

Impacts to other States or Indian Tribal Lands

0 **Total Environmental Factors Score (D.1. + D.2. + D.3.)**

II. SOCIAL/ECONOMIC FACTORS

Please attach a narrative regarding social/economic factors. The following factors should be considered:

- C Responsible Parties
- C Diminution of Property Value
- C Brownfields Development
- C Environmental Justice
- C Remediation Feasibility
- C Cost Effectiveness and No Action Cost
- C Possible End Uses (Probability of Restoration)
- C Loss of Business
- C Loss of Resources
- C Previous Agreements
- C Already Initiated Remediation (Ongoing Remediation)
- C Time/Schedule for Remediation
- C California Project Management Issues
- C Data Availability
- C Data Confidence
- C Other Factors

Social/Economical Factors identified as of May 18, 2000

The contamination at the 40th Street and Osborn site has impacted the availability of groundwater and use of SRP's irrigation well. During drought conditions the loss of this well and other wells in the former East Central Phoenix and East Washington Priority List Project Areas drastically reduces SRP's capacity to meet shareholder water demands.

40TH STREET AND OSBORN
ELIGIBILITY AND EVALUATION SCORE RATIONALE
MAY 18, 2000

A. RELEASE EVENT

1. SOIL - The source(s) have not been identified at this time. The "Type of Release" is unknown. It is known that groundwater is contaminated but is unknown where or how the contaminants came to be in the groundwater. A score of 1 has been assigned.
2. GROUNDWATER - There is documentation regarding the groundwater contamination. The most recent data is the SRP table of analysis results. This shows groundwater contamination for SRP well 17.9E-7.5N. The highest reported concentration of tetrachloroethylene was on September 28, 1999 at 210 micro grams/liter. This is also the most recent data. Comparison of the most recent concentrations and the Maximum Contaminant Level (MCL) of 5 micro grams/liter as the bench mark, it is apparent that there has been a release. A score of 4 has been assigned.
3. SURFACE WATER - There were no known surface water bodies within the proposed site or in vicinity of the site. Therefore, there were no points allocated for a release event to surface water.

B. SITE AND CONTAMINANT CHARACTERISTICS

1. CONTAMINANT SPECIFIC

- a. Contaminant Hazard - The benchmark used in the contaminant hazard calculation is the oral ingestion drinking water Health Based Guidance Level (HBGL). Tetrachloroethylene has an oral ingestion drinking water HBGL of 0.7 micro grams/liter. The ratio of 210 divided by 0.7 equals 300. This results in a score of 3 when compared to the table.
- b. Extent of Contamination - The extent of contamination is unknown which results in a score of 0.
- c. Mobility - Since groundwater is documented to be contaminated at the site, a score of 3 is assigned.
- d. Persistence - Since tetrachloroethylene is a halogenated hydrocarbon, a score of 2 is assigned.
- e. Bioaccumulation - The food chain bioaccumulation value is 50.0. This results in an assigned score of 0.

2. SITE SPECIFIC

a. Groundwater

- i - Drastic score is in the range of 80 - 119 as recorded by 4-30-98 site scoring team. This results in an assigned score of 2.
- ii - The depth from the contamination to groundwater is 0. This results in an assigned score of 5.

b. Surface Water

- i - The nearest surface water body is greater than 1000 feet and the slope is 0-3. This results in an assigned score of 0.
- ii - Based upon the review of the Flood Insurance Rate Map (FIRM) Panel 2155 of 4350, the site is within the 100 - 500 year flood plain. This results in an assigned score of 0.
- iii - There was not an area of active recharge identified in proximity to the site. This results in an assigned score of 0.

C. HUMAN EXPOSURE ROUTES

1. GROUNDWATER

a. Drinking Water Wells Affected

- i - There are no drinking water wells known to be affected by the site. This results in an assigned score of 0.
- ii - There are no drinking water wells known to be affected by the site. Therefore, there can be no concentrations in drinking water wells which exceeds MCLs. This results in an assigned score of 0.

iii - There appears to be some historical Phoenix wells within 1 to 4 miles. However, it is not thought that these wells are currently serving any population. Therefore, a score of 0 has been assigned.

b. Impacted Production Wells

Since the SRP well is an irrigation well which qualifies as a production well, a score of 5 is assigned.

c. Primary Source of Drinking Water

Central Arizona Project (CAP) and other surface water sources are also used for drinking water. However, it has been reported by municipalities that during dry up period the system is totally dependent on groundwater. A score of 5 has been assigned.

2. SURFACE WATER

There is no release or threat of release to surface water, therefore, this section was assigned a score of 0.

3. SOIL

Since there was an unknown type release for soil this section could be completed. However, since there is no documentation regarding contamination within the upper 2 feet of soil an assumption will be made that concentrations do not exceed the residential SRL. With the residential SRL not being exceeded in the upper 2 feet of soil, the assigned score will be 0 for this section.

D. ENVIRONMENTAL FACTORS

1. ECOLOGICAL

Since the site is in Phoenix and there is no known soil contamination documented, none of the categories in the table are applicable. Therefore, a value of 0 has been assigned.

2. RECREATIONAL

The site is not used for public recreation. A value of 0 has been assigned.

3. CULTURAL RESOURCES

There are no known historical sites, burial grounds, archaeological sites, or impacts to other states or indian tribal lands. Therefore, a value of 0 has been assigned.