



R00072F1 WCR002312

### Environmental Covenant

Date: August 29, 2011

When recorded, return to:  
David G. Ries, Esq.  
Thorp Reed & Armstrong, LLP  
One Oxford Centre  
301 Grant St., 14<sup>th</sup> Fl.  
Pittsburgh, PA 15219

The County Parcel Identification Nos. of the Property are:

- |                       |                       |
|-----------------------|-----------------------|
| 120-011-00-00-0016-00 | 120-011-07-04-0052-01 |
| 120-011-00-00-0017-00 | 120-011-07-04-0053-01 |
| 120-011-00-00-0018-00 | 120-011-07-04-0060-01 |
| 120-011-00-00-0019-01 | 120-011-07-04-0060-02 |
| 120-011-00-00-0019-03 | 120-011-07-04-0062-00 |
| 120-011-00-00-0021-00 | 120-011-07-04-0063-00 |
| 120-011-00-00-0024-00 | 120-011-07-04-0064-00 |
| 120-011-00-00-0026-08 | 120-011-07-04-0065-00 |
| 120-011-04-01-0001-00 | 120-011-07-04-0067-00 |
| 120-011-04-01-0002-00 | 120-011-07-04-0068-00 |
| 120-011-04-01-0004-00 | 120-011-19-00-0007-03 |
| 120-011-04-01-0023-00 |                       |

**GRANTOR:** Chevron Mining Inc.  
**PROPERTY ADDRESS:** 1217 West Wayne St. (former remediation site office)  
300 Caldwell Avenue (former plant address)  
Washington, PA 15301

### ENVIRONMENTAL COVENANT

This Environmental Covenant is executed pursuant to the Pennsylvania Uniform Environmental Covenants Act, Act No. 68 of 2007, 27 Pa. C.S. §§ 6501 – 6517 (UECA). This Environmental Covenant subjects the Property identified in Paragraph 1 to the activity and/or use limitations in this document. As indicated later in this document, this Environmental Covenant has been approved by the Pennsylvania Department of Environmental Protection (Department).

1. **Property affected.** The property affected (Property or Site) by this Environmental Covenant is located in Canton Township, Washington County.

The postal street address of the Property is: 1217 West Wayne St. (former remediation site office), 300 Caldwell Avenue (former plant address), Washington, PA 15301.

101269047)

DEBORAH BARDELLA  
RECORDER OF DEEDS  
WASHINGTON, PA  
PENNSYLVANIA

INSTRUMENT NUMBER  
201124933

RECORDED ON  
Sep 27, 2011  
3:33:51 PM

Total Fees: \$3

RECORDING FEES \$317.00  
TOTAL PAID \$317.00

INSTRUMENT USER: GH

1

The latitude and longitude of the center of the Property affected by this Environmental Covenant is: X -80.27527670140  
Y 40.17106046030  
(PA State Plane NAD 1983 decimal degrees format)

The Property has been known by the following name(s): Molycorp Washington Remediation Site.

The DEP Primary Facility ID# is: 6650032 665032  
The Land Recycling Program ID# is: 5-63-918-18880

A complete description of the Property is attached to this Environmental Covenant as Exhibit A. A set of maps of the Property, including an overview of the remediation Areas and details of each Area are attached to this Environmental Covenant as Exhibit B.

2. **Property Owner / GRANTOR / GRANTEE.** Chevron Mining Inc., successor by merger to Molycorp, Inc., is the owner(s) of the Property. The mailing address of the owner is

Chevron Mining Inc.  
116 Inverness Drive East  
Suite 207  
Englewood, CO 80112

3. **Holder(s) / GRANTEE(S).** The following is the GRANTEE and a "holder," as that term is defined in 27 Pa. C.S. § 6502, of this Environmental Covenant: The mailing address of the holder is

Chevron Mining Inc.  
116 Inverness Drive East  
Suite 207  
Englewood, CO 80112

4. **Description of Contamination & Remedy.** The Site is approximately 73 acres in size, about 20 acres of which were involved in manufacturing activities conducted by Molycorp, Inc. (Molycorp), the predecessor to Chevron Mining Inc. The majority of products generated by Molycorp consisted of molybdenum trioxide powder, ferromolybdenum and other metal alloys. Molycorp has ceased operations at the Site and all of the buildings on the Site were demolished. Industrial activities took place on other portions of the Property prior to Molycorp's ownership. The southeastern portion of the Site received tar-containing residuals that have been attributed to a manufactured gas plant (MGP) operated by the Hazel-Atlas Glass Company on property to the east of the site.

Based on the diverse historical uses of the Site, the Site was divided into ten areas of interest for purposes of the site investigation, risk assessment and remediation.

SUMMARY OF AREAS OF INTEREST MOLYCORP INC., WASHINGTON, PA FACILITY		
Area Number	Designation	Reason for Designation
Area 1	Process Plant (Subdivided into 1A and 1B)	Location of original manufacturing operations.
Area 2	North Slag Area	Lowlands west of facility that contained various ponds, impoundments and slag fill.
Area 3	South Slag Area	Area containing slag fill and a former pond containing ball mill slag.
Area 4	Tylerdale Connecting Railroad	Former railroad right-of-way.
Area 5	MGP Tar Pond Area (Subdivided into 5A-5E)	Area containing the South Tar Pond (Area 5A) and area north of South Tar Pond (Area 5B), North Tar Pond Area (Areas 5C and 5D) and the adjacent area 5E.
Area 6	Streams	Chartiers Creek and Sugar Run bisect the Site. Tar noted along banks and in bottom of Chartiers Creek at a few locations.
Area 7	Hill Area (Subdivided into 7A and 7B)	Hill area that contains an old foundation with MGP tar (Area 7A), and a former farm area west of Chartiers Creek and north of Sugar Run (Area 7B). Area 7B-E is adjacent to Chartiers Creek, while Areas 7B-C and 7B-W were never used by Molycorp.
Area 8	Cox Plus	Primarily undeveloped land. No known impacts by Site operations.
Area 9	Green Street	Former residential area. No known impacts by Site operations.
Area 10	Offsite Areas (Subdivided into 10A and 10B)	Offsite areas investigated for radiological constituents because of their location near impacted areas. They include: <ul style="list-style-type: none"> <li>- The area located adjacent to the northeast corner of Area 3 where a temporary rail line was located in the 1979-1981 period (Area 10A);</li> <li>- Vicinity of the abutment of the small bridge on Caldwell Avenue over Chartiers Creek near the southwest corner of Area 2 (Area 10B); and</li> <li>- Caldwell Avenue between Areas 1 and 2, and Area 3 (Area 10B).</li> </ul>

Area 1 was the original location of plant building and processing equipment. Area 2 was a lowland containing ponds of various configurations. Over the years, this area was filled with various slag byproducts and buildings were erected over the area. Eight surface impoundments were constructed along the western boundary near Chartiers Creek in 1968. These impoundments were closed in 1995 and backfilled with clean soil. Area 3 is located south of Caldwell Avenue. The western part of Area 3, adjacent to Chartiers Creek, was the location of a pile containing thoriated slag. East of this pile was a pond that received ball milled slag in the form of a slurry. Further east, a building was located that stored spare parts. Area 10A is where a temporary rail line was located from 1978-

1981 to allow receipt of raw materials during demolition and reconstruction activities that occurred in the main plant area.

Findings of the radiological investigations as described in the Remedial Investigation Report (RIR) (Malcolm Pirnie, 2005) led to the conclusion that only soils in the former manufacturing areas (Areas 1, 2 and 3) and Area 10A contained licensed material at levels in excess of unrestricted release criteria. Consequently, an alternatives evaluation was conducted to assess methods for remediating soils to achieve the unrestricted use criteria provided in the approved Washington, PA Facility Decommissioning Plan.

Soil with MGP tar had been observed or measured in Areas 5A, 5B, 5C, 5D, 5E, 7A and 7B-E, but no radiological impacts were identified in these areas during the pre-remedial site characterization. The tar-impacted soil in Areas 5A, 5B, 5C, 5D, 5E and 7B-E originated from a MGP that was owned and operated by the Hazel Atlas Glass Company. Tar-impacted soil was also identified in an old foundation in Area 7A at the top of a hill that is about 100 feet higher than the other areas. The tar in Area 7A was believed to be MGP tar.

In the 1980s, Areas 5A, 5B, 5C and 5D were investigated by Molycorp. Tar-impacted soil was identified in all of these areas. Around 1985, a berm was constructed around Area 5A and tar-impacted soils from Areas 5B and 5D were excavated and consolidated within the bermed area (Area 5A). The construction of the berm and consolidation of the tar-impacted soil within the bermed area were accomplished with the approval of Pennsylvania Department of Environmental Resources (PADER), the predecessor to the Department. Historical records indicate that before I-70 was built in the 1950s, tar-impacted soil extended further to the east to where I-70 currently is located. The records review confirmed that I-70 had been constructed over this soil.

When Molycorp purchased Area 7A, there was an uncovered concrete foundation approximately 100-feet by 150-feet in this area. The bottom of the foundation contained a layer of tar reported to be less than a foot thick. In the 1980s, the walls of the foundation were pushed in and the foundation was filled with soil. As the backfill settled the tar migrated upward and tar could be seen on the soil surface at some locations of the foundation.

Areas 7B-E and 5E are south of Caldwell Avenue, adjacent to and west of Chartiers Creek. No significant industrial activities or waste disposal activities occurred in these areas. However, the areas provided an access road to the South Tar Pond area (Areas 5A and 5B) and the Foundation area (Area 7A). Tar-impacts were observed in the surface soil surface in isolated locations of Areas 5E and 7B-E. Area 4, Areas 7B-C and 7B-W, Area 8 and Area 9 was residential properties that Molycorp purchased after Site activities stopped.

A supplemental site characterization took place at the Site and is documented in the RIR.

Findings of the radiological investigations, as described in the RIR, led to the conclusion that only soils in Areas 1, 2, 3 and 10A contained licensed material at levels in excess of

unrestricted release criteria. Consequently, an alternatives evaluation was conducted to assess methods for remediating soils to achieve the unrestricted use criteria provided in the approved Washington, PA Facility Decommissioning Plan. The selected remediation involved excavating soil in Areas 1, 2, 3 and 10A, segregating the soil based on radiological testing, shipping soil with radiological impacts above release criteria offsite to an approved offsite facility and reusing soil with radiological impacts below release criteria. A minimum of two feet cover of clean, imported material then was placed over all of the area.

To evaluate possible nonradiological impacts at the Site, samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and metals. Soil and groundwater samples collected from the Site were compared to medium-specific concentrations (MSCs) and vapor intrusion screening values under the Statewide Health Standard. There were exceedances of residential and nonresidential MSCs and vapor intrusion screening values in soil samples collected from many areas of the Site. There were also exceedances of residential and nonresidential MSCs in groundwater samples collected from all areas of the Site, including upgradient areas where there was never industrial activity. Consequently, potential human health risks were evaluated under the Site-Specific Standard and this evaluation was presented in the Risk Assessment and Remedy Selection Report (Malcolm Pirnie 2005). The development of a remedial action to address chemical impacts at the Site was warranted because the fate and transport analysis and risk assessment for the Site indicated that some potential exposures and risks exceeded target levels under the Land Recycling and Environmental Remediation Standards Act, Act of May 19, 1995, P.L. 4, No.2, 35 P.S. §§ 6026.101-6026.908 ("Act 2").

A Cleanup Plan for the Site under Act 2 was submitted to the Department in 2006 (Malcolm Pirnie 2006). All of the plans and reports were reviewed and approved by the Department before remediation began in 2006.

The remediation included a combination of 1) active remediation involving removal of soil, 2) pathway elimination through engineering controls, and 3) pathway elimination through institutional controls to achieve the objectives of addressing critical exposure pathways.

The active remediation component involved excavation of soil from a variety of areas on the Site. For Areas 1, 2, 3 and 10A, approximately 169,000 tons of radiological materials were excavated and transported offsite for disposal. Following removal of radiological material, the surface of these areas was backfilled with at least two feet of clean fill, to serve as an engineering control. For Areas 5A, 5B, 5C, 5D, 5E, 7A, and 7B-E, the remedial action included excavating soils with visual indications of tar and disposing of this soil at an approved offsite landfill. The excavations were backfilled with clean fill. In addition, sediment with tar was removed in a few locations along Chartiers Creek. Approximately 59,000 tons of tar-impacted soil was transported offsite for disposal.

During remediation, approximately 31,000,000 gallons of water was treated at a Contact Water Treatment Plant that was constructed and operated for the remediation. This included groundwater removed for dewatering during excavation, contact stormwater, and contact floodwater. After treatment, the water was discharged in accordance with the Site's NPDES permit.

Overall, the Site is being closed under a combination of Statewide Health Standards and Site Specific Standards, as detailed in the Final Report submitted to the Department in April 2011 (Arcadis 2011). Attached as Exhibit C to this Environmental Covenant is a table that lists chemicals on the Site and the selected Act 2 standards for them for the various Areas of the Site.

The chemicals remaining in soil and groundwater include polyaromatic hydrocarbons (PAHs) and select metals including molybdenum, iron, manganese, arsenic and antimony. The chemicals remaining in place are addressed through the activity and use limitations in this Environmental Covenant.

Remediation of radiological constituents is separate from the Act 2 process and was addressed in reports submitted to the Department's Bureau of Radiation Protection. Following a Decommissioning Departmental Evaluation, the radioactive materials license for the site was terminated by the Department on December 20, 2010.

5. **Activity & Use Limitations:** The Property is subject to the following activity and use limitations, which the then current owner of the Property, and its tenants, agents, employees and other persons under its control, shall abide by:

**Areas 1 and 2**

**Activity & Use Limitations:** Areas 1 and 2 are subject to the following activity and use limitations:

1. Groundwater at and under Areas 1 and 2 shall not be used for potable purposes, or commercial/industrial or commercial/agricultural activities including, but not limited to, irrigation of crops, watering of livestock, and food production, processing or packaging.
2. No conveyances (storm drains, ditches, utilities, etc.) that may increase the flow of groundwater to Chartiers Creek shall be installed, without prior approval in writing by the Department.
3. No excavation or grading that may increase the flow of groundwater to Chartiers Creek shall be conducted, without prior approval in writing by the Department.

4. Areas 1 and 2 shall be used only for non-residential purposes in accordance with Act 2 and Department regulations. Non-residential use excludes schools, nursing homes or other residential-style facilities or recreational areas.
5. The engineered barrier in Areas 1 and 2 (i.e., the concrete pad in part of Area 1 and the two feet of clean fill in the remainder of Areas 1 and 2) must be maintained (i.e., if the barrier is breached, it must be restored). For any excavation of the clean fill cover, the clean fill shall be segregated, properly staged, and returned as cover to the excavated area or the excavated area shall be covered with replacement clean fill or covered with pavement. Returned or replaced clean fill must be a minimum thickness of 2 feet.
6. No excavation through or beneath the engineered barrier (clean fill cover and concrete pad) shall be conducted without prior written notice and a plan, for soil and groundwater, submitted for approval to the Department (Environmental Cleanup Program and Bureau of Radiation Protection), with a schedule of implementation, setting forth worker health and safety requirements, access limitations during excavation, disposal or reuse of excavated materials, and restoration of the clean fill cover or other alternatives that are approved by the Department in writing.
7. Soil and gravel in the railroad bed in Area 1 has not been characterized and this railroad bed should not be redeveloped for other purposes unless the soil and gravel is characterized in Area 1.
8. After realignment of the storm sewer system in Areas 1 and 2, in accordance with a Consent Order and Agreement between Chevron Mining and the Department dated August 9, 2011, any future use of the original conveyance to Outfall 001 under NPDES Permit No. PA0040312 (expired) must be authorized in writing by the Department.

Figure 1 demonstrates the location of Areas 1 and 2 within the Site boundary and the surround properties. A close up of each area is demonstrated on Figures 2 through 4 that demonstrates the extents of each area and presents the Pennsylvania State Plane NAD 1983 coordinates of major corners associated with each area in decimal format.

### **Areas 3 and 10**

**Activity & Use Limitations:** Areas 3 and 10 are subject to the following activity and use limitations:

1. Groundwater at and under Areas 3 and 10 shall not be used for potable purposes, or commercial/industrial or commercial/agricultural activities

including, but not limited to, irrigation of crops, watering of livestock, and food production, processing or packaging.

2. No conveyances (storm drains, ditches, utilities, etc.) that may increase the flow of groundwater to Chartiers Creek shall be installed, without prior approval in writing by the Department.

3. No excavation or grading that may increase the flow of groundwater to Chartiers Creek shall be conducted, without prior approval in writing by the Department.

4. Areas 3 and 10 shall be used only for non-residential purposes in accordance with Act 2 and Department regulations. Non-residential use excludes schools, nursing homes or other residential-style facilities or recreational areas.

5. The engineered barrier in Areas 3 and 10 (i.e., the two feet of clean fill in Areas 3 and 10) must be maintained (i.e., if the barrier is breached, it must be restored). For any excavation of the clean fill cover, the clean fill shall be segregated, properly staged, and returned as cover to the excavated area or the excavated area shall be covered with replacement clean fill or covered with pavement. Returned or replaced clean fill must be a minimum thickness of 2 feet.

6. No excavation through or beneath the engineered barrier (clean fill cover) shall be conducted without prior written notice and a plan, for soil and groundwater, submitted for approval to the Department (Environmental Cleanup Program and Bureau of Radiation Protection), with a schedule of implementation, setting forth worker health and safety requirements, access limitations during excavation, disposal or reuse of excavated materials, and restoration of the clean fill cover or other alternatives that are approved by the Department in writing.

Figure 1 demonstrates the location of Areas 3 and 10 within the Site boundary and the surround properties. A close up of each area is demonstrated on Figures 5 and 18 that demonstrates the extents of each area and presents the Pennsylvania State Plane NAD 1983 coordinates of major corners associated with each area in decimal format.

#### **Areas 5A and 5B**

**Activity & Use Limitations:** Areas 5A and 5B are subject to the following activity and use limitations:

1. Groundwater at and under Area 5A and Area 5B shall not be used for potable purposes, or commercial/industrial or commercial/agricultural



activities including, but not limited to, irrigation of crops, watering of livestock, and food production, processing or packaging.

2. No conveyances (storm drains, ditches, utilities, etc.) that may increase the flow of groundwater to Chartiers Creek shall be installed, without prior approval in writing by the Department.

3. No excavation or grading that may increase the flow of groundwater to Chartiers Creek shall be conducted, without prior approval in writing by the Department.

4. Areas 5A and 5B shall not be used for residential purposes in accordance with Act 2 and Department regulations. Nonresidential use excludes schools, nursing homes or other residential-style facilities or recreational areas.

5. The wetlands (natural and constructed) in Area 5A and 5B shall remain as wetlands and shall not be developed for any other use.

Figure 1 demonstrates the location of Areas 5A and 5B within the Site boundary and the surround properties. A close up of each area is demonstrated on Figures 7 and 8 that demonstrates the extents of each area and presents the Pennsylvania State Plane NAD 1983 coordinates of major corners associated with each area in decimal format.

#### **Areas 5C and 5D**

**Activity & Use Limitations:** Areas 5C and 5D are subject to the following activity and use limitations:

1. Groundwater at and under Areas 5C and 5D shall not be used for potable purposes, or commercial/industrial or commercial/agricultural activities including, but not limited to, irrigation of crops, watering of livestock, and food production, processing or packaging.

2. No conveyances (storm drains, ditches, utilities, etc.) that may increase the flow of groundwater to Chartiers Creek shall be installed, without prior approval in writing by the Department.

3. No excavation or grading that may increase the flow of groundwater to Chartiers Creek shall be conducted, without prior approval in writing by the Department.

4. Areas 5C and 5D shall not be used for residential purposes in accordance with Act 2 and Department regulations. Nonresidential use excludes schools, nursing homes or other residential-style facilities or recreational areas.

5. The engineered barrier in Areas 5C and 5D (i.e., the two feet of clean fill in Areas 5C and 5D) must be maintained (i.e., if the barrier is breached, it must be restored). For any excavation of the clean fill cover, the clean fill shall be segregated, properly staged, and returned as cover to the excavated area or the excavated area shall be covered with replacement clean fill. Returned or replaced clean fill must be a minimum thickness of 2 feet.

6. No excavation through or beneath the engineered barrier (clean fill cover) shall be conducted without prior written notice and a plan, for soil and groundwater, submitted for approval to the Department, with a schedule of implementation, setting forth worker health and safety requirements, access limitations during excavation, disposal or reuse of excavated materials, and restoration of the clean fill cover or other alternatives that are approved by the Department in writing.

Figure 1 demonstrates the location of Areas 5C and 5D within the Site boundary and the surround properties. A close up of each area is demonstrated on Figures 9 and 10 that demonstrates the extents of each area and presents the Pennsylvania State Plane NAD 1983 coordinates of major corners associated with each area in decimal format.

#### **Areas 4, 5E, 7A, 7B-E, 7B-C, 7B-W, 8 and 9**

**Activity & Use Limitations:** Areas 4, 5E, 7A, 7B-E, 7B-C, 7B-W, 8 and 9 are subject to the following activity and use limitations:

1. Groundwater at and under Areas 4, 5E, 7A, 7B-E, 7B-C, 7B-W, 8 and 9 shall not be used for potable purposes, or commercial/industrial or commercial/agricultural activities including, but not limited to, irrigation of crops, watering of livestock, and food production, processing or packaging.
2. No conveyances (storm drains, ditches, utilities, etc.) that may increase the flow of groundwater to Chartiers Creek shall be installed, without prior approval in writing by the Department.
3. No excavation or grading that may increase the flow of groundwater to Chartiers Creek shall be conducted, without prior approval in writing by the Department.
4. Areas 7B-E shall not be used for residential purposes in accordance with Act 2 and Department regulations. Non-residential use excludes schools, nursing homes or other residential-style facilities or recreational areas.

Figure 1 demonstrates the location of Areas 4, 5E, 7A, 7B-E, 7B-C, 7B-W, 8 and 9 within the Site boundary and the surround properties. A close up of each area is demonstrated on Figures 4 and 11 through 17 that demonstrates

the extents of each area and presents the Pennsylvania State Plane NAD 1983 coordinates of major corners associated with each area in decimal format.

6. **Notice of Limitations in Future Conveyances.** Each instrument hereafter conveying any interest in the Property subject to this Environmental Covenant shall contain a notice of the activity and use limitations set forth in this Environmental Covenant and shall provide the recorded location of this Environmental Covenant.

7. **Compliance Reporting.** Every January following the Department's approval of this Environmental Covenant for a period of 5 years, the then current owner of the Property shall submit, to the Department and any Holder listed in Paragraph 3, written documentation stating whether or not the activity and use limitations in this Environmental Covenant are being abided by. After 5 years, such written documentation shall be submitted every third January. In addition, within 1 month after any of the following events, the then current owner of the Property shall submit, to the Department and any Holder listed in Paragraph 3, written documentation: noncompliance with the activity and use limitations in this Environmental Covenant; transfer of the Property; changes in use of the Property; or filing of applications for building permits for the Property and any proposals for any site work, if the building or proposed site work will affect the contamination on the Property subject to this Environmental Covenant.

8. **Access by the Department.** In addition to any rights already possessed by the Department, this Environmental Covenant grants to the Department a right of reasonable access of the Property in connection with implementation or enforcement of this Environmental Covenant.

9. **Recording & Proof & Notification.** Within 30 days after the date of the Department's approval of this Environmental Covenant, the Grantor shall file this Environmental Covenant with the Recorder of Deeds for each County in which the Property is located, and send a file-stamped copy of this Environmental Covenant to the Department within 60 days of recording. Within that time period, the Grantor also shall send a file-stamped copy to each of the following: Canton Township, Washington County, Pennsylvania Department of Transportation; and each person holding a recorded interest in the Property.

10. **Termination or Modification.**

a. This Environmental Covenant shall terminate upon attainment, in accordance with 35 P.S. §§ 6026.101 – 6026.908, with an unrestricted use remediation standard for the above-described contamination at the Property. The Department must approve, in writing, of such termination.

b. This Environmental Covenant may be amended or terminated as to any portion of the real property subject to the covenant that is acquired for use as highway right of way by the Commonwealth, providing that:

- (i) The Department waives the requirements for an environmental covenant and for conversion under section 6517 of UECA (relating to relationship to other laws) to the same extent that the environmental covenant is amended or terminated.
- (ii) The Department determines that termination or modification of the environmental covenant will not adversely affect human health or the environment.
- (iii) The Department will provide 30-days advance written notice to the current property owner, each holder, and, as practicable, each person that originally signed the environmental covenant or successors in interest to those persons.

The documents submitted under the Pennsylvania Land Recycling and Remediation Standards Act, Act 2, that are referenced in this Environmental Covenant are available at the Pennsylvania Department of Environmental Protection, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222 (Land Recycling Program ID# 5-63-918-18880).

11. **Department's address.** Communications with the Department regarding this Environmental Covenant shall be sent to:

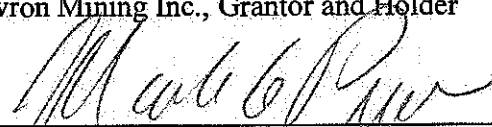
Environmental Cleanup Program Manager

Pennsylvania Department of Environmental Protection  
 Southwest Regional Office  
 400 Waterfront Drive  
 Pittsburgh, PA 15222-4745

ACKNOWLEDGMENT by Owner and Holder:

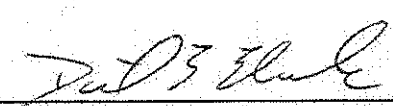
Chevron Mining Inc., Grantor and Holder

Date: August 29, 2011

  
 Mark G. Premo, President and CEO

APPROVED, by Commonwealth of Pennsylvania,  
 Department of Environmental Protection

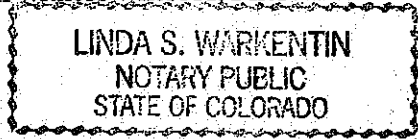
Date: 9/14/11

By:   
 Name: David E Eberle  
 Title: ECP Manager

STATE OF COLORADO )  
 ) ss.  
COUNTY OF ARAPAHOE )

On this 29<sup>th</sup> day of August, 2011, before me, the undersigned officer, personally appeared Mark G. Premo, the President and Chief Executive Officer of Chevron Mining Inc., Owner, who acknowledged himself to be the person whose name is subscribed to this Environmental Covenant, and acknowledged that he executed same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.



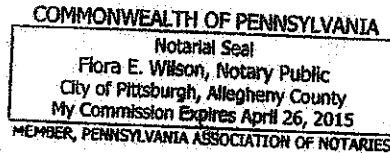
*Linda S. Warkentin*  
\_\_\_\_\_  
Notary Public  
My Commission Expires  
08/19/2014

COMMONWEALTH OF PENNSYLVANIA )  
 )  
COUNTY OF ALLEGHENY ) SS:

On this 14<sup>th</sup> day of September, 2011, before me, the undersigned officer, personally appeared DAVID E. EBEL, who acknowledged himself/herself to be the Environmental Cleanup Manager of the Commonwealth of Pennsylvania, Department of Environmental Protection, Southwestern Regional Office, whose name is subscribed to this Environmental Covenant, and acknowledged that s/he executed same for the purposes therein contained.

In witness whereof, I hereunto set my hand and official seal.

*Flora E. Wilson*  
\_\_\_\_\_  
Notary Public



## **EXHIBIT A – PROPERTY DESCRIPTION**

To help present the locations where the environmental covenants are assigned to the Site, the Site is divided into three distinct sections, divided by Caldwell Avenue and Green Street. The three sections are:

- 1) **North of Caldwell Avenue:** This section is the area of the Site that is located north of Caldwell Avenue and west of Green Street. The section was further subdivided during remediation activities into Areas 1A, 1B, 2 and 8 as presented in **Figure 1**. A description of the boundary of the section based on the deed descriptions is presented below.
- 2) **South of Caldwell Avenue:** This section is the area of the Site that is located south of Caldwell Avenue. The section was further subdivided during remediation activities into Areas 3, 4, 5A, 5B, 5C, 5D, 5E, 7A, 7B-E, 7B-W and 10A as presented on **Figure 1**. A description of the boundary of the section based on the deed descriptions is presented below. It should be noted deeds demonstrate that portions of this section are noted as being east of Service Roads No. 1 and 2 and Water Street.
- 3) **East of Green Avenue:** This section is the area of the Site that is north of Caldwell Ave and east of Green Street. The section was noted as Area 9 during remediation as presented in **Figure 1**. A description of the boundary of the section based on the deed descriptions is presented below.

### **Section 1 - North of Caldwell Avenue:**

STARTING at a point at the Southeasterly corner of property herein designated as Parcel A, said point of beginning also being the Northerly line of Caldwell Avenue, forty (40) feet wide, where the same is intersected by the Westerly right of way line of the Tylerdale connecting Railroad company, thence from said point of beginning and along the Northerly line of said Caldwell Avenue N  $86^{\circ} 10'$  is ninety and no hundredths (90.00) feet to a point on the said Northerly line of Caldwell Avenue where the same is intersected by the Easterly line of other lands of Molycorp, Inc. Thence at a stake on Caldwell Avenue, corner of property of the Tylerdale Connecting Rail Road Company, thence North  $85^{\circ} 45'$  West Five Hundred Twenty-nine (529) feet to an iron pin, thence South eighty-two degrees fifty-seven minutes thirty seconds West; within said lines of the Caldwell Avenue Extension by land of the Manor Real Estate and Trust Company, sixty-eight feet and seventy-five one-hundredths of a foot (68.75) ; thence Westerly across South  $1^{\circ} 00'$  East to a spike; thence continuing along said line of lands now or formerly of Blaine A. Beeghly and continuing within the lines of Caldwell Avenue, a 40 foot wide street, South  $83^{\circ} 23'$  West a distance of 153.89 feet to a spike in Caldwell Avenue at the Northeast corner of land new or formerly of Ralph Morris. Then continuing along the line of land new or formerly of said Blaine A. Beeghly North  $52^{\circ}$

23' West a distance of 137.40 feet to a point within the lines of Weirich Avenue (also known as State Highway L.B. 62201), a 50 feet wide street; thence continuing within the line of said Weirich Avenue and along the line of lands now or formerly of said Blaine A. Beeghly North 10° 29' East a distance of 235.10 feet to a point; thereafter continuing within the lines of said Weirich Avenue and along the line of lands now or formerly of said Blaine A. Beeghly North 30 47' East a distance of 368.80 feet to a point East of the Easterly line of said Weirich and common to said lands now or formerly of Blaine A. Beeghly and lands now or formerly of Jessop Steel Co. ; thence within the lines of said Weirich Avenue and along the line of lands now or formerly of said Jessop Steel Co. North 20° 52' West a distance of 547.14 feet to a point; thence continuing within the lines of said Weirich Avenue and along the line of said last-mentioned lands North 10 58' East a distance of 493.90 feet to a railroad spike; thence leaving Weirich Avenue and along the line of lands nor or formerly of said Jessop Steel Co. South 61 49' East a distance of 118.36 feet to an iron pipe; forward continuing along same Southwardly on a curve to the left having a radius of 676.78 feet, an arc distance of 123.86 feet , and having a chord bearing South 1° 33' 25'' East and a chord length of 123.69 feet to an iron pipe; henceforth continuing along the line of said lands now or formerly of Findlay Refractories Co. South 6° 48' East a distance of 629.65 feet to an iron pipe; thence continuing along the line of lands nor or formerly of said Findlay Refractories co. Southwardly, on a curve to the right having a radius of 2904.93 feet, an arc distance of 151.04 feet, and having a chord bearing South 5° 18' 37'' East and a chord length of 151.04 feet to an iron pipe; thence continuing along same and crossing Chartiers Creek North 89 50' East a distance of 80.16 feet to an iron pipe. Thence West, along the Westerly line or said land of the Molybdenum Corporation of America and along the Westerly line of land nor or formerly of the Gordon Land Company; thence by land of Gordon Land company North eighty-nine and one-fourth (89-1/4) degrees East four hundred fifty-eight (458) feet to a point in the center line of said right of way of the Tylerdale connecting Railroad; thence along said center line South forty-five (45) minutes East four hundred seventy (470) feet to the PLACE OF BEGINNING.

#### **Section 2 - South of Caldwell Avenue:**

STARTING at a point found abutting the South side of Caldwell Avenue Extension and Westerly of Tylerdale Connecting Railroad continuing South 5° 24' 30'' West 67.87 feet to a point distant 75 feet Northwestwardly and radially from the center line of railroad of the Tylerdale Connecting Railroad Company known as the Sugar Run Branch. Thence on a course South 3° 27' West following along said Westerly lands of said William R. Weirich, for a distance of one hundred thirty-two and four-tenths (132.4) feet to the place of beginning at Station 5 plus 75 of the enumeration of stationing of the center line of said railroad - and continuing on the course of S. 3° 27' W one hundred thirty-two and four-tenths (132.4) feet. Thence along the Westerly right of way line of Water Street, a forty foot street, from North 6° 40' East, two hundred and two feet and no hundredths of a foot (272) to a point also located in the Westerly right of way of said Water Street. From the point of intersection of Water Street and Highway 70 from the highway center line is 76.00 feet from North 32° 29' 04'' East. Then proceeding along the center line of Highway 70 an arc distance of five hundred and seven feet and fifty six hundredths of a

foot (587.56) to a point over a right curve with a radius of 2292.01 feet. From the center line of the highway South  $80^{\circ} 12' 00''$  East 185.00 feet to the center line of Wheeling, Pittsburgh and Baltimore Railroad Company; thence North  $17^{\circ} 47' 44''$  East 225.00 feet to a point. Thence with the said Northerly property line of the Wheeling, Pittsburgh and Baltimore Railroad Company North  $82^{\circ} 22' 50''$  West 1126.09 feet to an iron pipe thence, still following the Northerly property line of the Wheeling, Pittsburgh and Baltimore Railroad Company, by a line curving to the left, the radius of which curve is 1609.38 feet, 143.40 feet to an iron pipe in the Easterly line of the said Weirich North  $29^{\circ} 21' 44''$  West (passing through a concrete monument at 12.21 feet) 354.41 feet to a concrete monument in the Southerly right of way line of the Sugar Creek Branch of the Tylerdale Connecting Railroad. Thence from a point thirty-three (33) feet Southerly by rectangular measurement from the center line of proposed railroad on a course N.  $27^{\circ}$  W. following along the said diving line and crossing said center line at Station 27 plus 50.6 of the enumeration of said railroad center line. Thence North  $30^{\circ} 00'$  West a distance of 310.43 feet; thence by line common to Lots 50 through 57 in said Lacock Plan of Lots number two, North  $57^{\circ} 30'$  East a distance of 468.40 feet to a Hub set; thence North  $78^{\circ} 32'$  East a distance of 169.02 feet to a point; continuing by line common to the Southerly boundary of Lot 60 in the Lacock Plan of Lots Number Five, which Plan is recorded in Plan Book 8, page 56 in the Office of Recorder of Deeds of county, North  $79^{\circ} 01'$  East a distance of 68.70 feet to a point; thence by line common to the Southerly boundary of Lots 61 through 65 in said last mentioned Lacock Plan North  $78^{\circ} 50'$  East a distance of 370.26 feet to a Hub Set; thence by line common to the Easterly boundary of Lot 65 in said last mentioned plan North  $11^{\circ} 10'$  West a distance of 180 feet to a Hub Set on the Southerly right-of-way line of Township Road 390; forward along the Southerly right-of-way line of said Township Road North  $77^{\circ} 26' 40''$  East a distance of 256.01 feet to a point. Thereafter from the point in the title line within the lines of Caldwell Avenue at the distance of 160.77 feet measured N.  $82^{\circ} 57' 30''$  E., along said title line from an iron spike in the Easterly line of land now or formerly of A. Harold Lacock; thence North  $82^{\circ} 57' 30''$  East along the Southerly line of said parcel of land conveyed as aforesaid to Findlay Clay Products Company and along the Southerly line of the parcel of land containing 2.313 acres, more or less, the distance of 98.39 feet to an iron spike in the Southeasterly corner of said last mentioned parcel of land to the PLACE OF BEGINNING.

East of Water Street:

BEGINNING at a point at the northeasterly corner of property herein designated as Parcel B, said point of beginning also being the southerly line of Caldwell Avenue, forty (40) feet wide, where the same is intersected by the easterly line of Water Street, forty (40) feet wide. This area contains two parcels of property herein described as Parcel B and Lot 36. Forward from the beginning point and along the easterly line of said Water Street S  $8^{\circ} 15' W$  one hundred forty and eleven hundredths (140.11) feet to a point where the easterly line of said Water Street intersects the northerly line of a twenty (20) foot alley; thence along the northerly line of said alley S  $86^{\circ} 00' E$  thirty-one and twenty hundredths (31.20) feet to a point where the northerly line of the said twenty foot alley intersects the westerly line of the I-79 service road of undefined width; thence along the



westerly line of said service road N 43° 27' E fifty-one and thirty-two hundredths (51.32) feet to a point thence along same and by the arc of a curve to the left having a radius of one hundred thirty and no hundredths (130.00) feet, a distance of two and sixty-two hundredths (2.62) feet to a point; continuing along the Easterly border of Lot 36; thence along N 86° 00' W sixty and no hundredths (60.00) feet to a point, the PLACE OF BEGINNING.

**East of Service Road and South of Caldwell Street:**

BEGINNING at the corner of the intersection between the southerly line of Caldwell Avenue and the Easterly line of Service Road Number Two the parcel section is made up of two deeds, lot 34 and lot 35. Fronting 30 feet on Caldwell Avenue and extending back of equal width therefrom, 140 foot to First Alley, bounded on the North by Caldwell Avenue; on the East by lot No. 34; on the South by First alley and on the West by Lot No. 36. The Northerly and Easterly portion of the two lots are contained in Lot 34. Beginning at the northwest corner of Lot 34, being in the South right-of-way line of Caldwell Avenue, having a 40 foot right-of-way; thence south 82° 30' East, along the south right-of-way of said Caldwell Avenue to the right-of-way of said limited access highway, a distance of 39.40 feet; thence South 36° 37' 49" West, departing the South right-of-way of said Caldwell Avenue and along the right-of-way of said limited access highway to the west line of said Lot 34, a distance 80.94 feet; forward 70.70 feet North along the Eastern side of Lot 35 ending at the PLACE OF BEGINNING.

**South of First Alley and East of Service Road No. 2:**

BEGINNING at the corner of the Easterly boundary of Service Road No. 2 and South of Ellis Avenue the parcel section contains deeds of lot 74 and lot 75. Lot 74 fronts 30 foot on Ellis Avenue and extends back of equal width therefrom 140 foot to First Alley, being bounded on the North by First Alley, on the East by Lot 75, on the South by Ellis Avenue, and on the West by Lot 73. Lot 75, being bounded on the West by Water Street, on the East by Ellis Avenue, and on the North by Service Road Number Two abuts Lot 74 along Service Road Number Two to the PLACE OF BEGINNING.

**Section 3 – East of Green Avenue:**

Lots 306,307,308,309 west line of I-70

BEGINNING at a point, said point being the intersection of Green Avenue and an alley; thence extending along said Green Avenue, North 1° West 108 feet, more or less, to a point; thence North 65° East 100 feet, more or less, to a point on the diving line between Lot No. 309 and Lot No. 310; South 27° East 20 feet, more or less, to a point; thence South 36° West 165 feet, more or less, to a point, the PLACE OF BEGINNING.

Lots 499, 498, 497 between Greene Avenue and Griffith Avenue just north of the 20 foot road

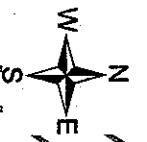
BEGINNING at the Northwesterly point of Lot No. 499 on the Eastern side of Greene Avenue continuing East 203.8 feet to the Western boundary of Griffith Avenue; thence South 10 feet; thence Southwesterly towards Lot No. 498; thence West 72.9 feet, hereforth South 3 feet and completing the 100 foot West distance to the Easterly boundary of Greene Avenue. Thence North 3 feet to a point and continuing 30 feet further North to the PLACE OF BEGINNING.

Lots 487-496 between Greene, Griffith, and Wayne Street

BEGINNING at the point between Lot No. 495 and Lot No. 494 at the Northwesterly point of the combined property begin east 180 feet across Lot Numbers 489, 490, 491, 492, 493, and 494 in the reverse order; thence continuing in an Easterly direction along the southerly line of Alley B the distance of 60 feet to a point in the Westerly line of Griffith Avenue; thence in a southerly direction along the Westerly line of Griffith Avenue the distance of 75 feet. Thence from the point by line of Griffith Avenue continue 75 feet to a point. At a point, the Northerly line of Wayne Street and the Westerly line of Griffith Avenue; thence by line of Wayne Street, 60 feet to line of Lot No. 489 in said plan. In a Southwesterly direction, 50 feet, more or less, to a point on the northerly side of Wayne Street; thence along the northerly side of Wayne Street in a westerly direction, a distance of 40 feet, more or less, to a point on the dividing line between Lots. 491 and 492 in said Plan. Thence, continuing 30 feet southwest to the point between Lots 492 and 493. Thence continuing along the Northern line of Wayne Street 131.4 feet across Lots 493, 494, 495 and 496 to a point intersection Wayne Street and Greene Avenue on the northern eastern border; continuing north along the triangular property of Lot No. 494 46 feet to the border before Lot No. 495 and 65 feet to the northwesterly point of the combined property area, the PLACE OF BEGINNING.

BEGINNING at the Northwesterly point of Lot No. 24 as designated by Canton Township, Washington County, Pennsylvania moving east 30 feet to the boundary of Lot No. 23, thence south 140 feet to the Northern boundary of the alley; thence 30 feet west to the boundary of Lot No. 25, from this point north 140 feet to the southern boundary of Caldwell Avenue to the PLACE OF BEGINNING.

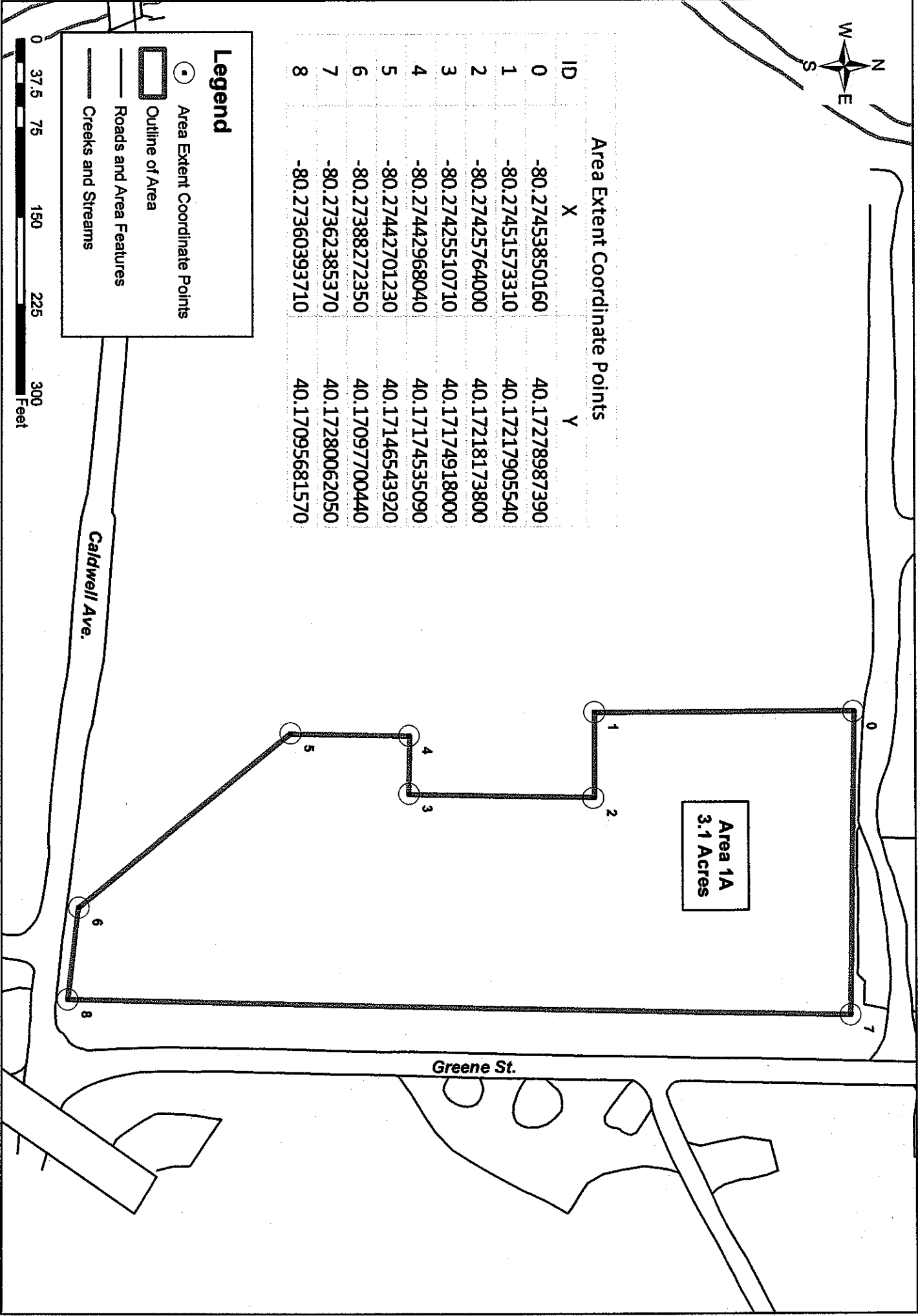
BEGINNING at an iron pin three feet West of the center of the Public Road at a corner common to lands now or formerly of Gordon Land Company, Jessop Steel Company, Manor Realty Estate and Trust Company and the tract hereby conveyed; thence along the Township Road and lands now or formerly of Manor Real Estate and Trust Company, South  $10^{\circ} 58'$  West, 493.9 feet to an iron pin on the West side of said Road; thence by same, South  $20^{\circ} 52'$  East, 547.2 feet to an iron pin on the East side of said road; thence by lands formerly of A. A. Lacock, North  $76^{\circ} 56'$  West, 787.9 feet to an iron pin; thence by lands now or formerly of Mark Karoula, North  $22^{\circ} 39'$  East, 1042.84 feet to a stone; thence by lands now or formerly of Gordon Land Company, South  $61^{\circ} 51'$  East 304.6 feet to the place of beginning, passing through a concrete monument 22.5 feet to the PLACE OF BEGINNING.



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**Legend**

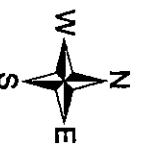
- Area Extent Coordinate Points
- Outline of Area
- Roads and Area Features
- Creeks and Streams



**Area 1A**  
3.1 Acres

Greene St.

Caldwell Ave.



**Legend**

- Area Designations
- Creeks and Streams
- Existing Railroad
- Roads and Area Features

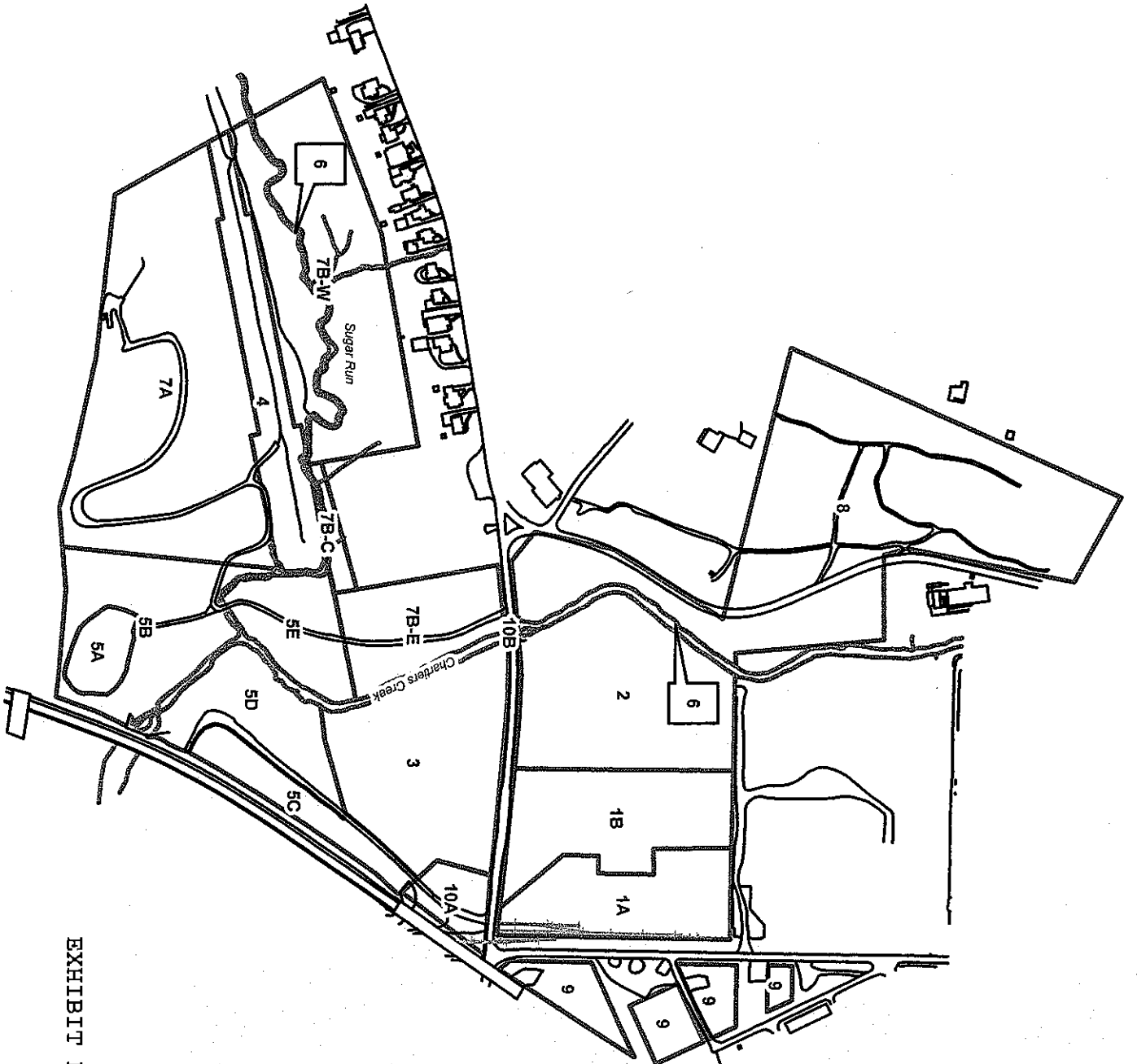
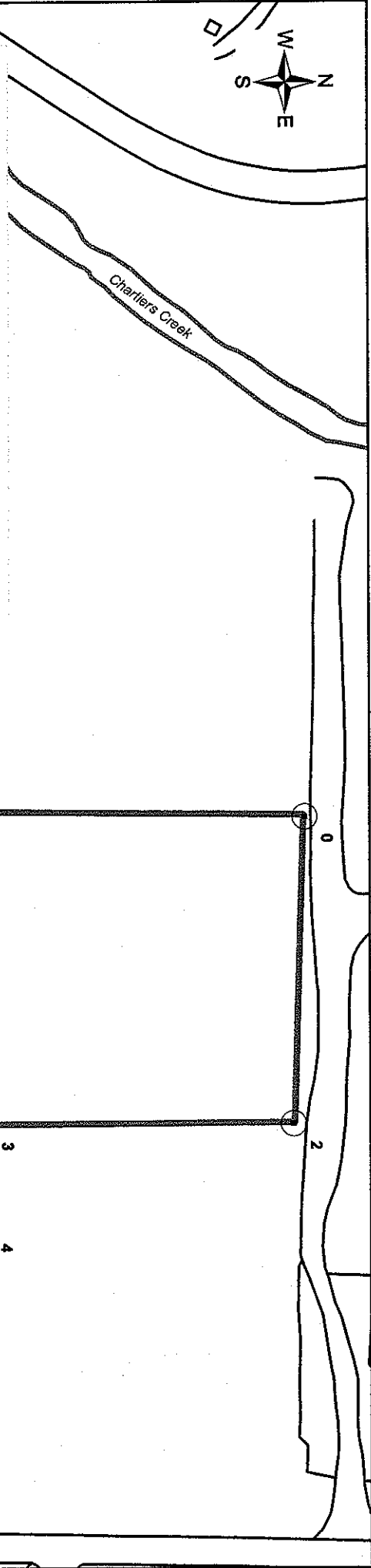
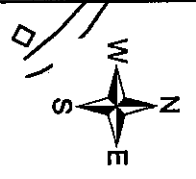


EXHIBIT B



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**Legend**

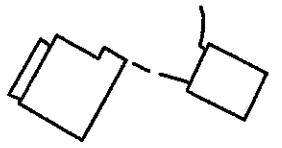
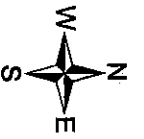
- Area Extent Coordinate Points
- Area 1B Outline
- Roads and Area Features
- Creeks and Streams



**Area 1B**  
3.9 Acres

*Caldwell Ave.*

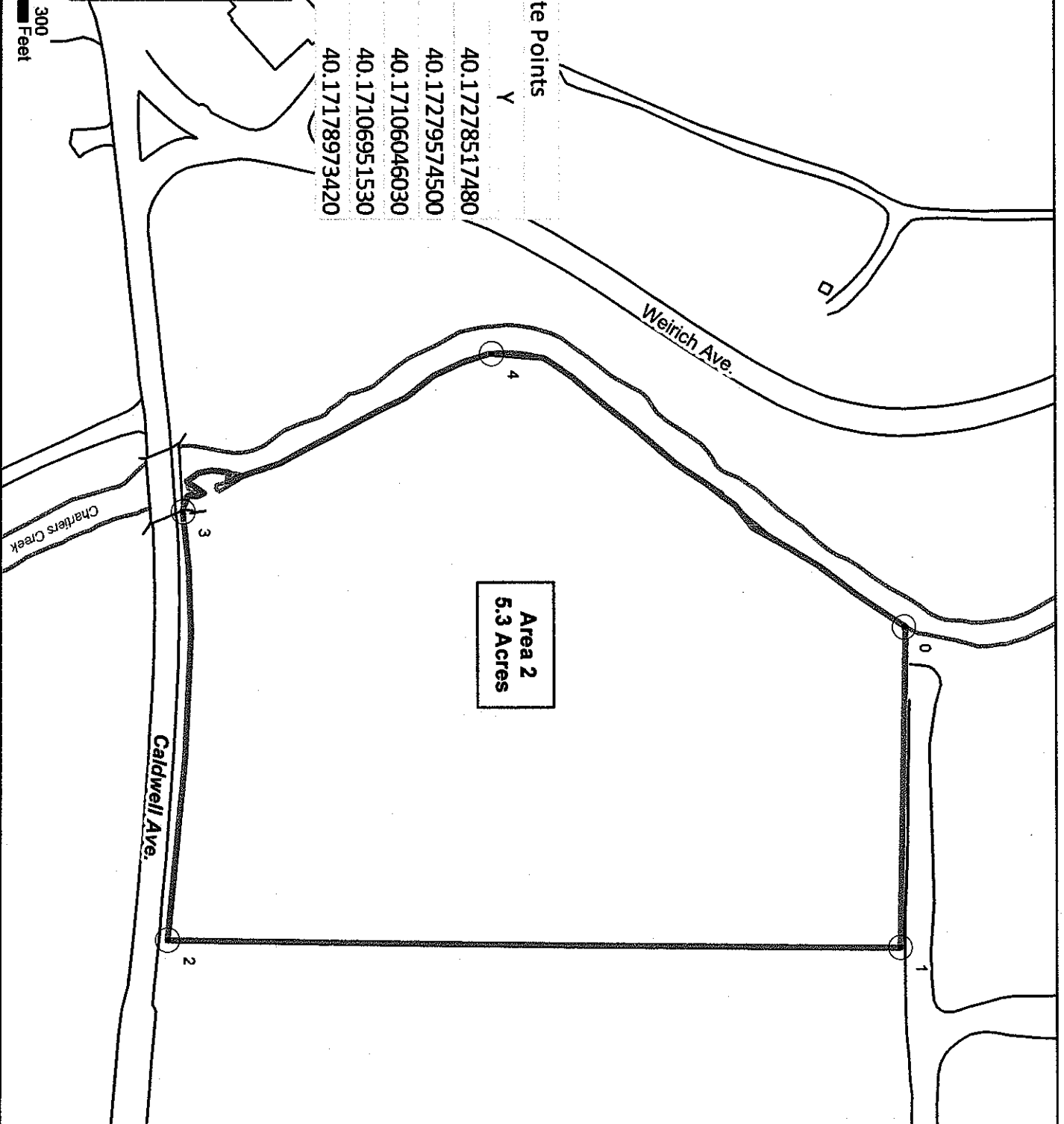
*Greene St.*



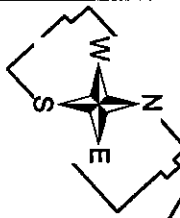
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**Legend**

- Area Extent Coordinate Points
- Outline of Area 2
- Roads and Area Features
- Creeks and Streams







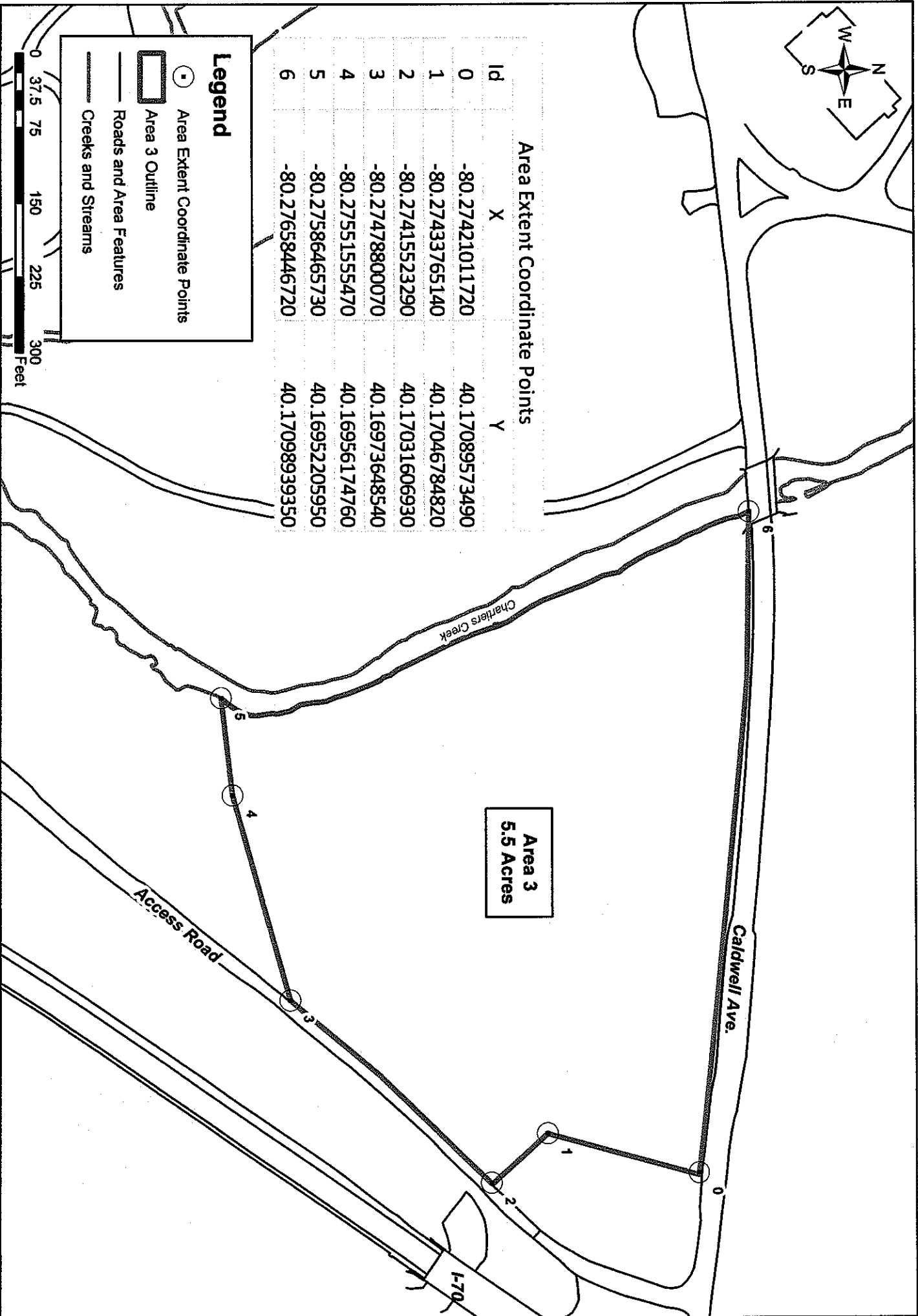
**Area 2**  
5.3 Acres



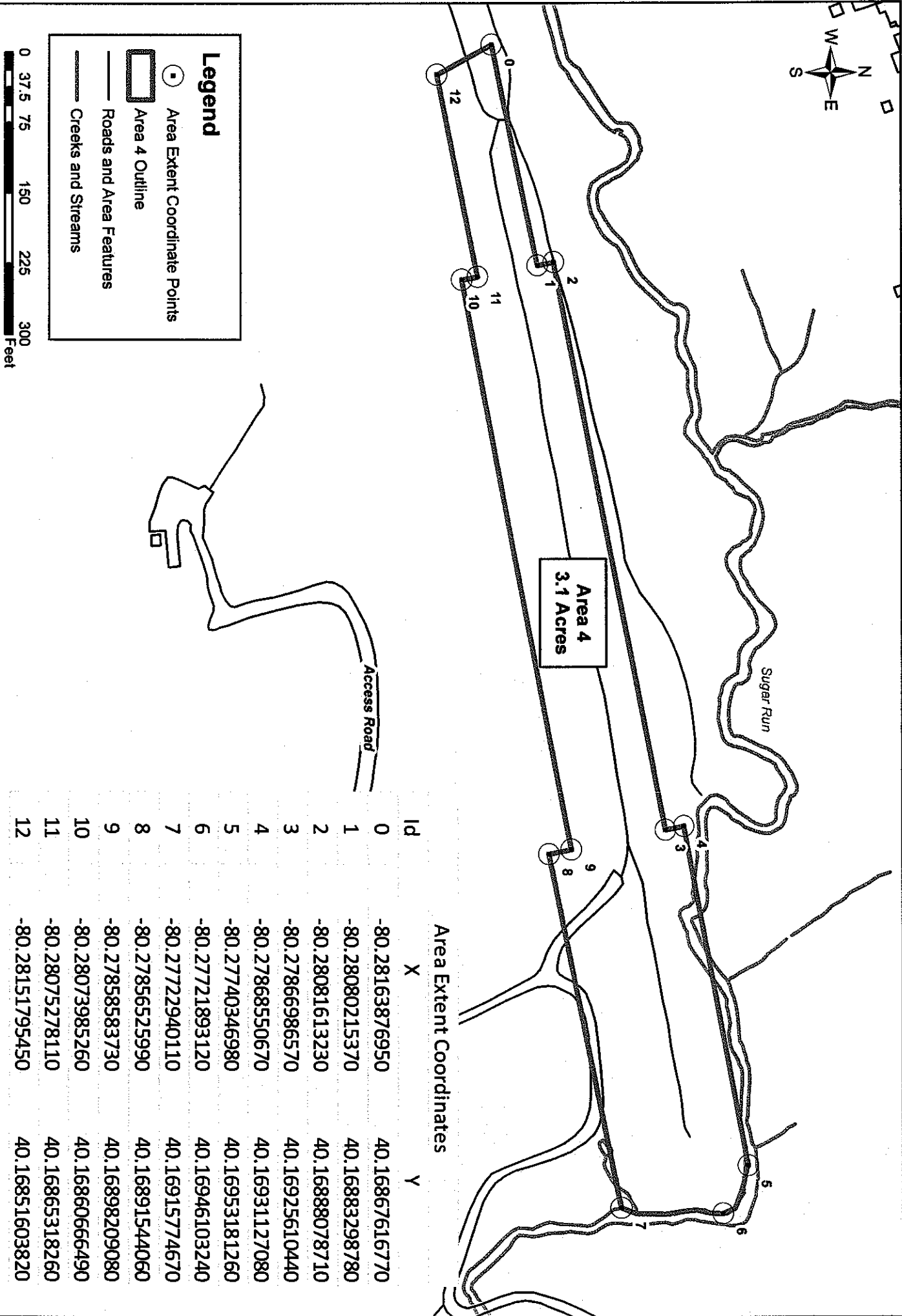
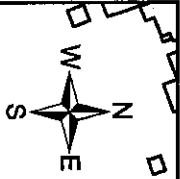
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**Legend**

-  Area Extent Coordinate Points
-  Area 3 Outline
-  Roads and Area Features
-  Creeks and Streams



**Area 3  
5.5 Acres**

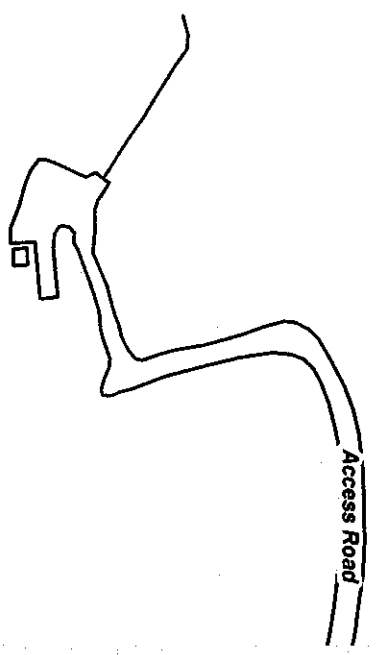


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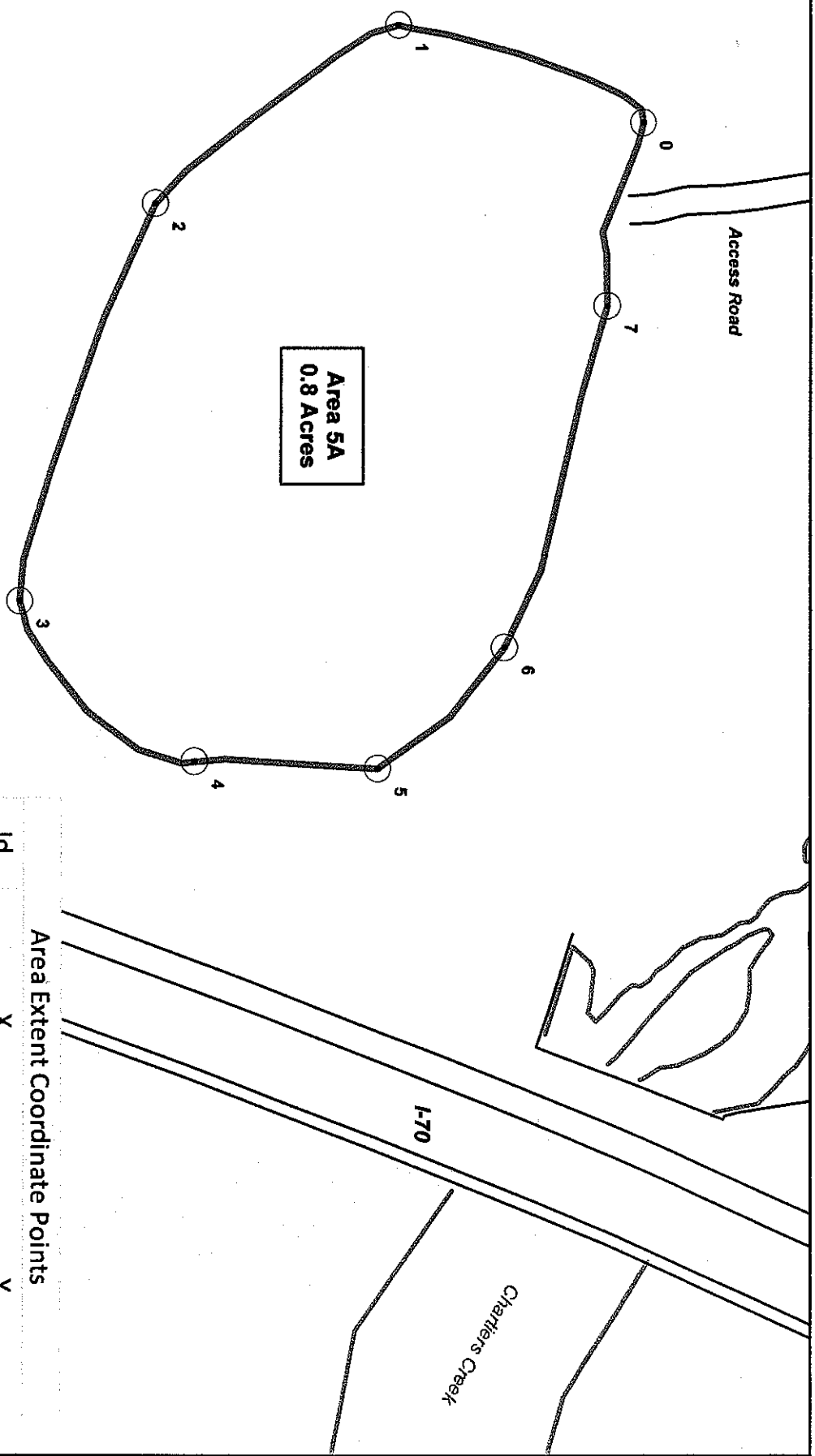
- Area Extent Coordinate Points
- Area 4 Outline
- Roads and Area Features
- Creeks and Streams



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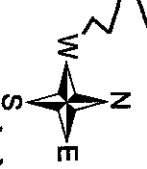
**Legend**

- Area Extent Coordinate Points
- Area 5A Outline
- Roads and Area Features
- Creeks and Streams



**Area Extent Coordinate Points**

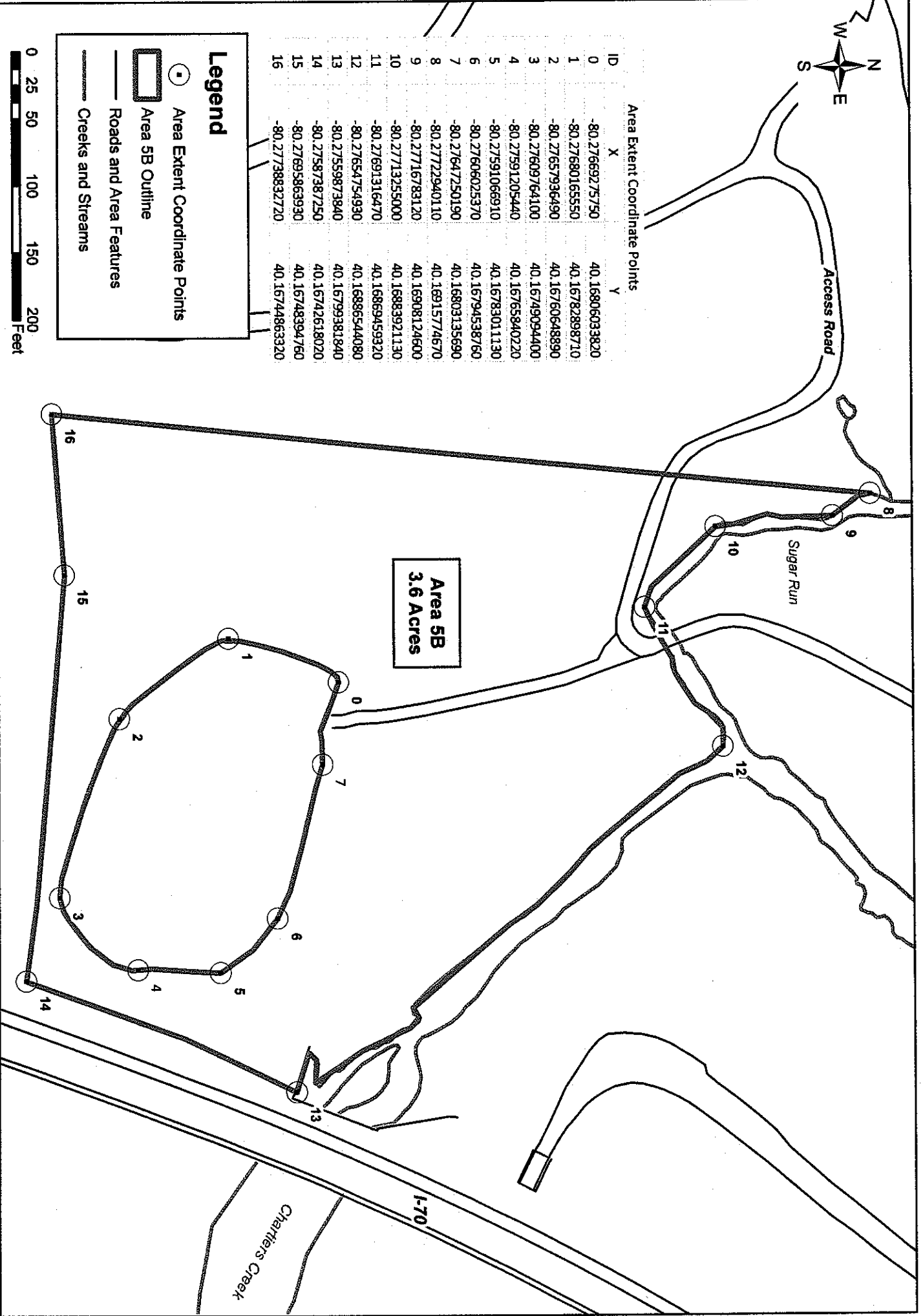
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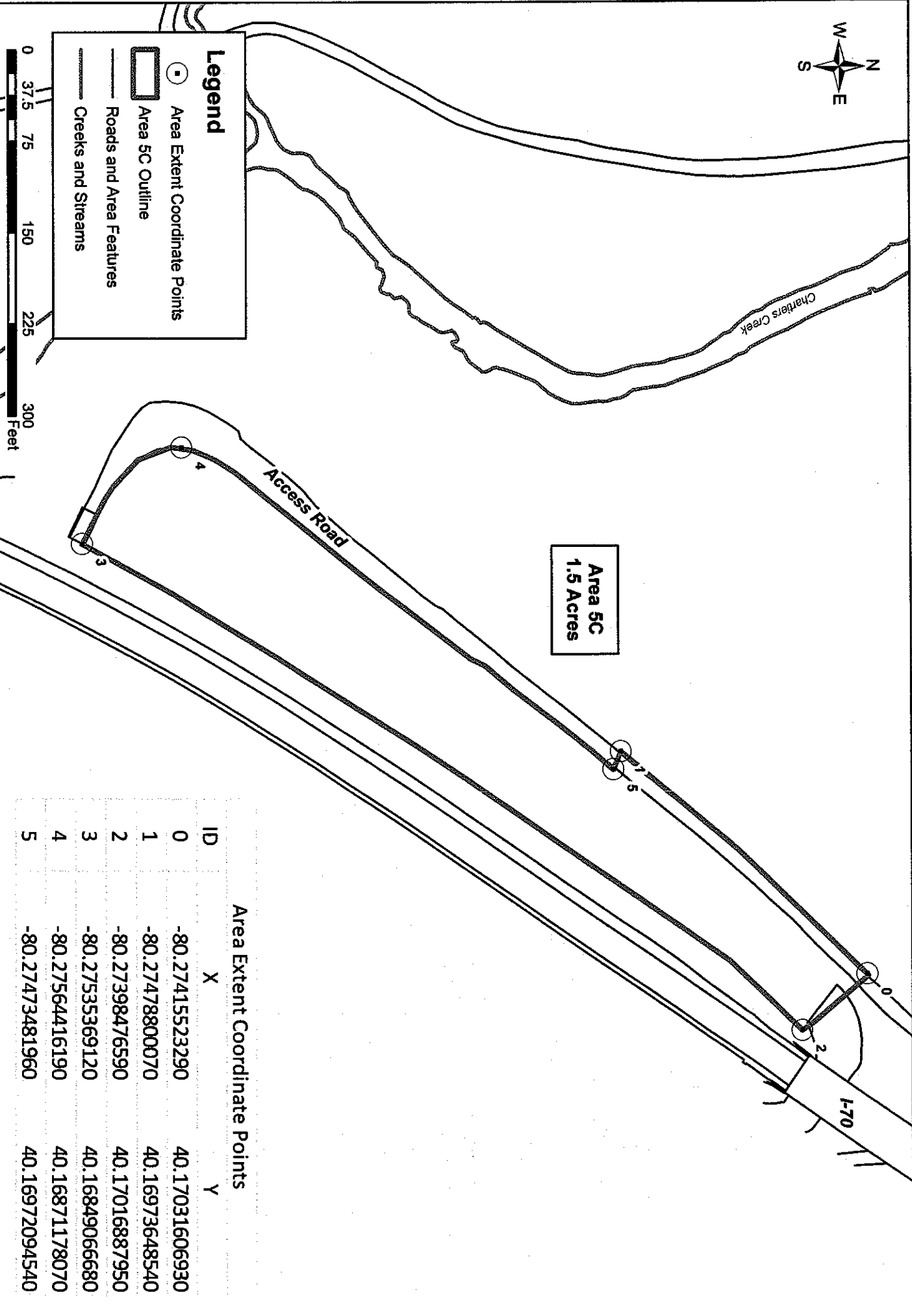
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**Legend**

- Area Extent Coordinate Points
- Area 5B Outline
- Roads and Area Features
- Creeks and Streams



**Area 5B**  
3.6 Acres



**Area 5C**  
1.5 Acres

**Legend**

- Area Extent Coordinate Points
- Area 5C Outline
- Roads and Area Features
- Creeks and Streams

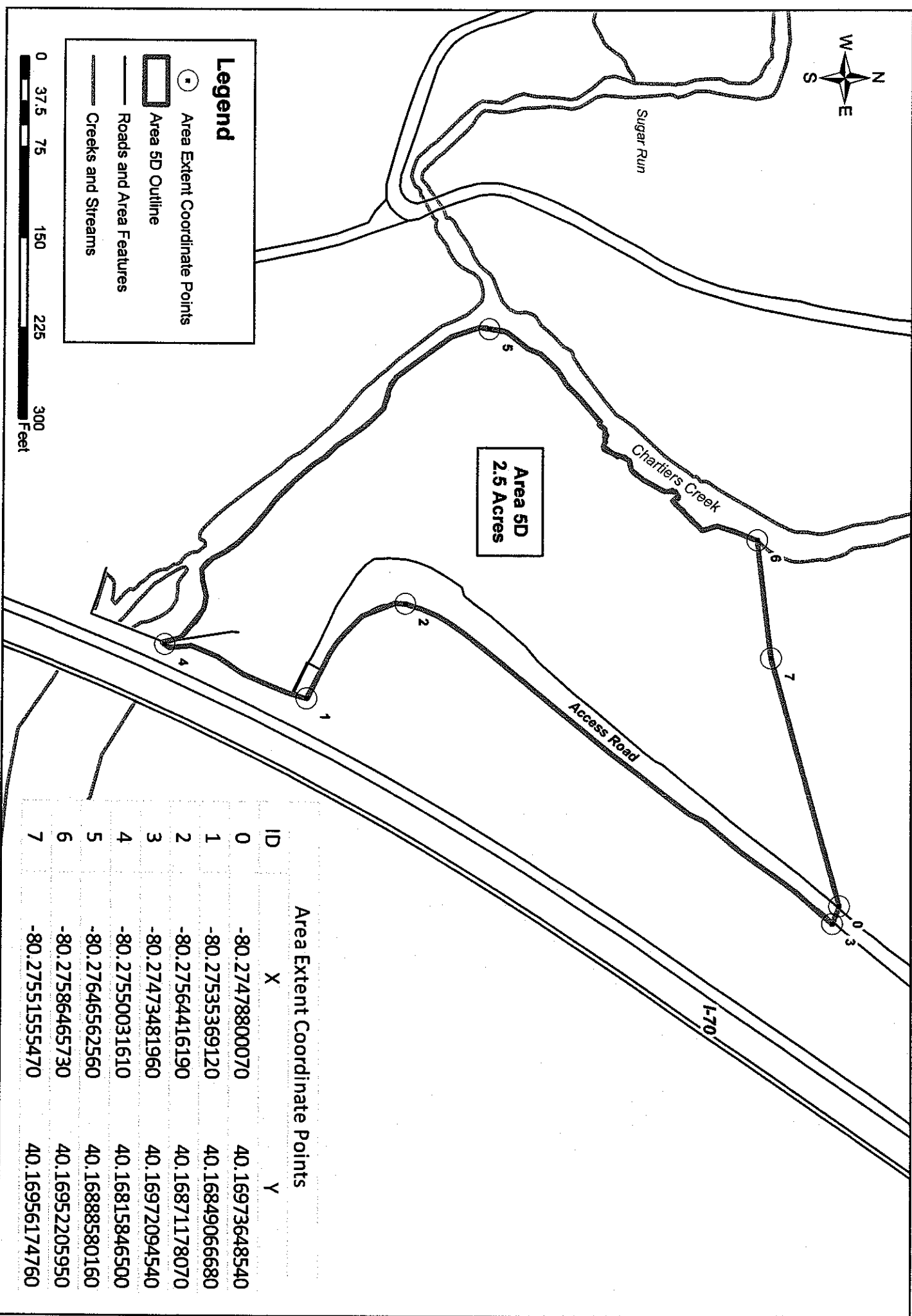


**Molycorp Washington Remediation Project**  
Extent of Area Information

**Area Extent Coordinate Points**

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**Area 5C**  
Outline of Area, Major Corner Points, and Acreage



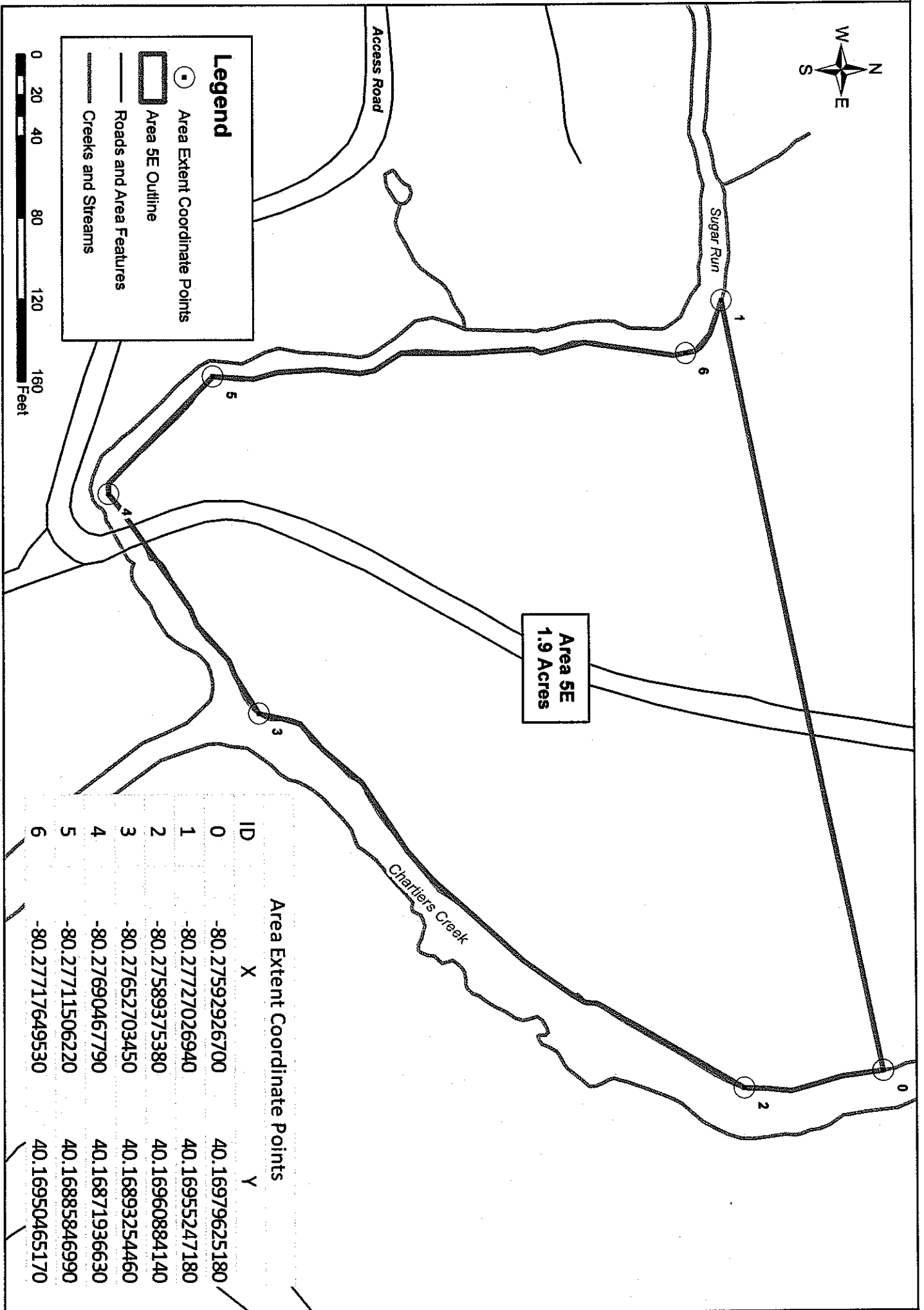
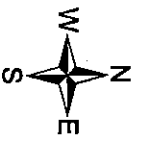
**Legend**

- Area Extent Coordinate Points
- Area 5D Outline
- Roads and Area Features
- Creeks and Streams



**Area 5D**  
2.5 Acres

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**Legend**

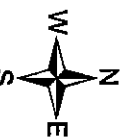
- Area Extent Coordinate Points
- Area SE Outline
- Roads and Area Features
- Creeks and Streams



**Area SE  
1.9 Acres**

Area Extent Coordinate Points		
ID	X	Y
0	-80.27592926700	40.16979625180
1	-80.27727026940	40.16955247180
2	-80.27589375380	40.16960884140
3	-80.27652703450	40.16893254460
4	-80.27690467790	40.16871936630
5	-80.27711506220	40.16885846990
6	-80.277117649530	40.16950465170

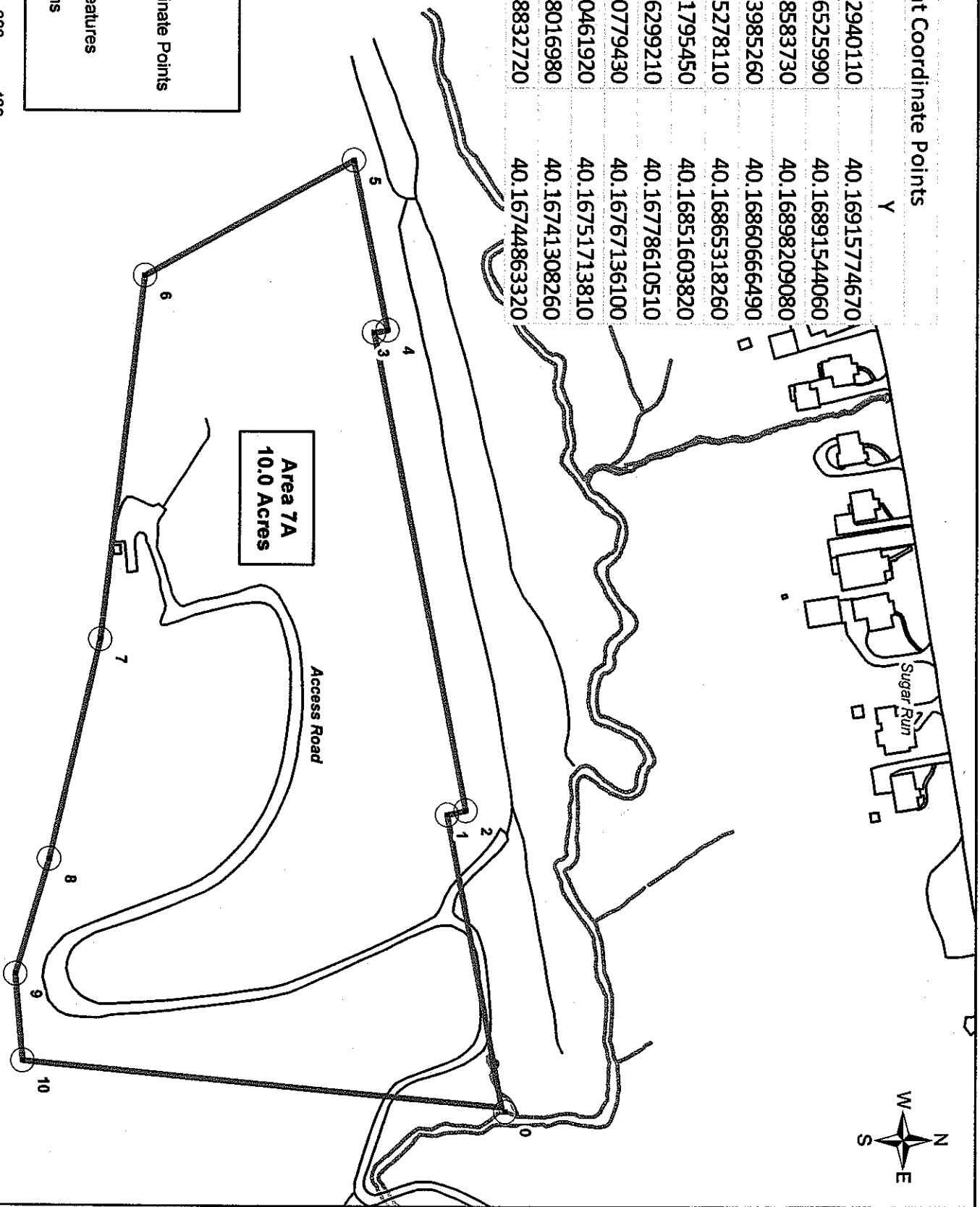
Area Extent Coordinate Points		
Id	X	Y
0	-80.27722940110	40.16915774670
1	-80.27856525990	40.16891544060
2	-80.27858583730	40.16898209080
3	-80.28073985260	40.16860666490
4	-80.28075278110	40.16865318260
5	-80.28151795450	40.16851603820
6	-80.28096299210	40.16778610510
7	-80.27930779430	40.16767136100
8	-80.27830461920	40.16751713810
9	-80.27778016980	40.16741308260
10	-80.27738832720	40.16744863320



**Legend**

- Area Extent Coordinate Points
- Area 7A Outline
- Roads and Area Features
- Creeks and Streams

0 50 100 200 300 400 Feet



**Area 7A  
10.0 Acres**

Access Road

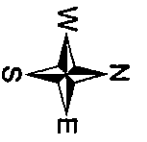
Sugar Run



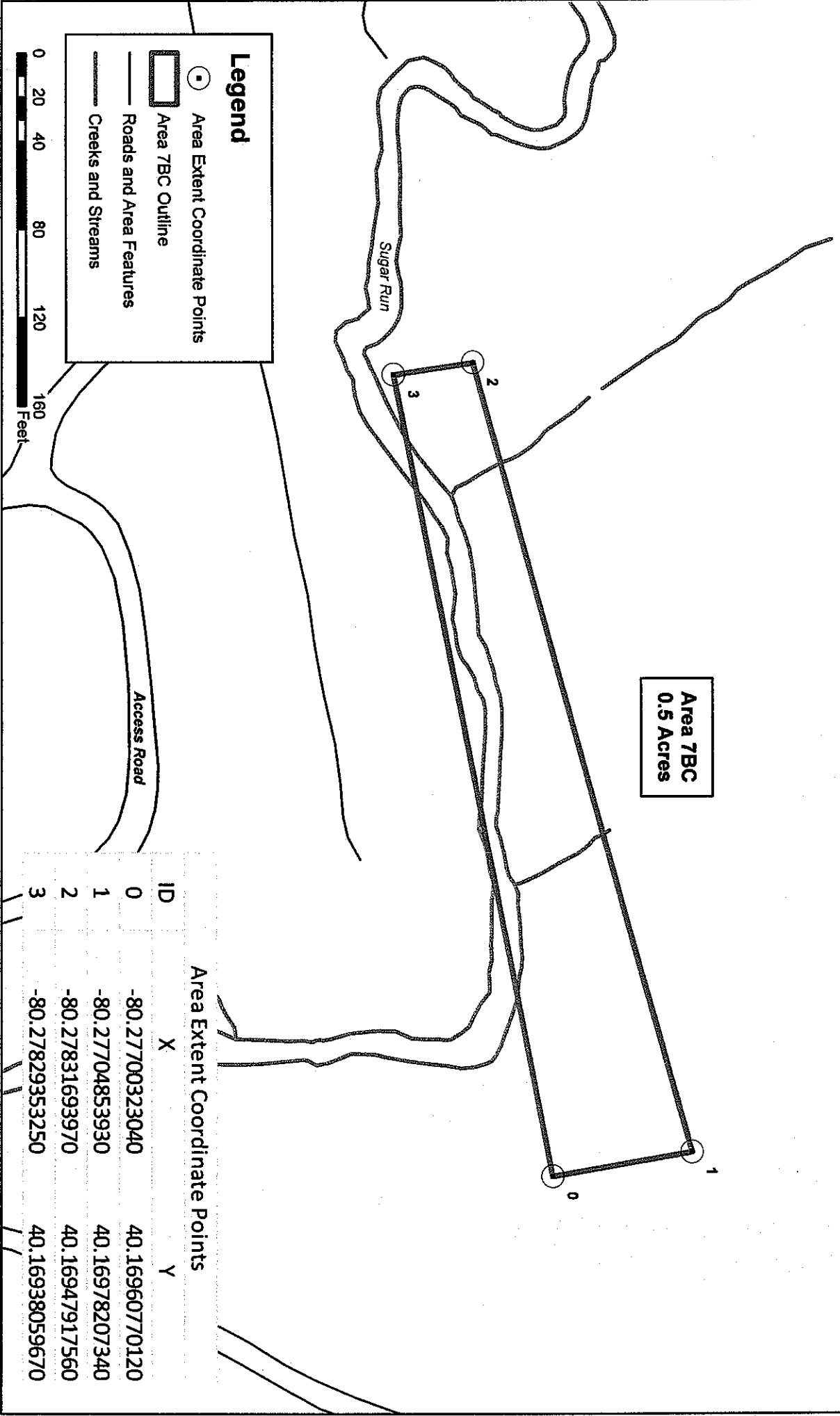
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Extent of Area Information

Area 7A  
Outline of Area, Major Corner Points, and Acreage



**Area 7BC  
0.5 Acres**



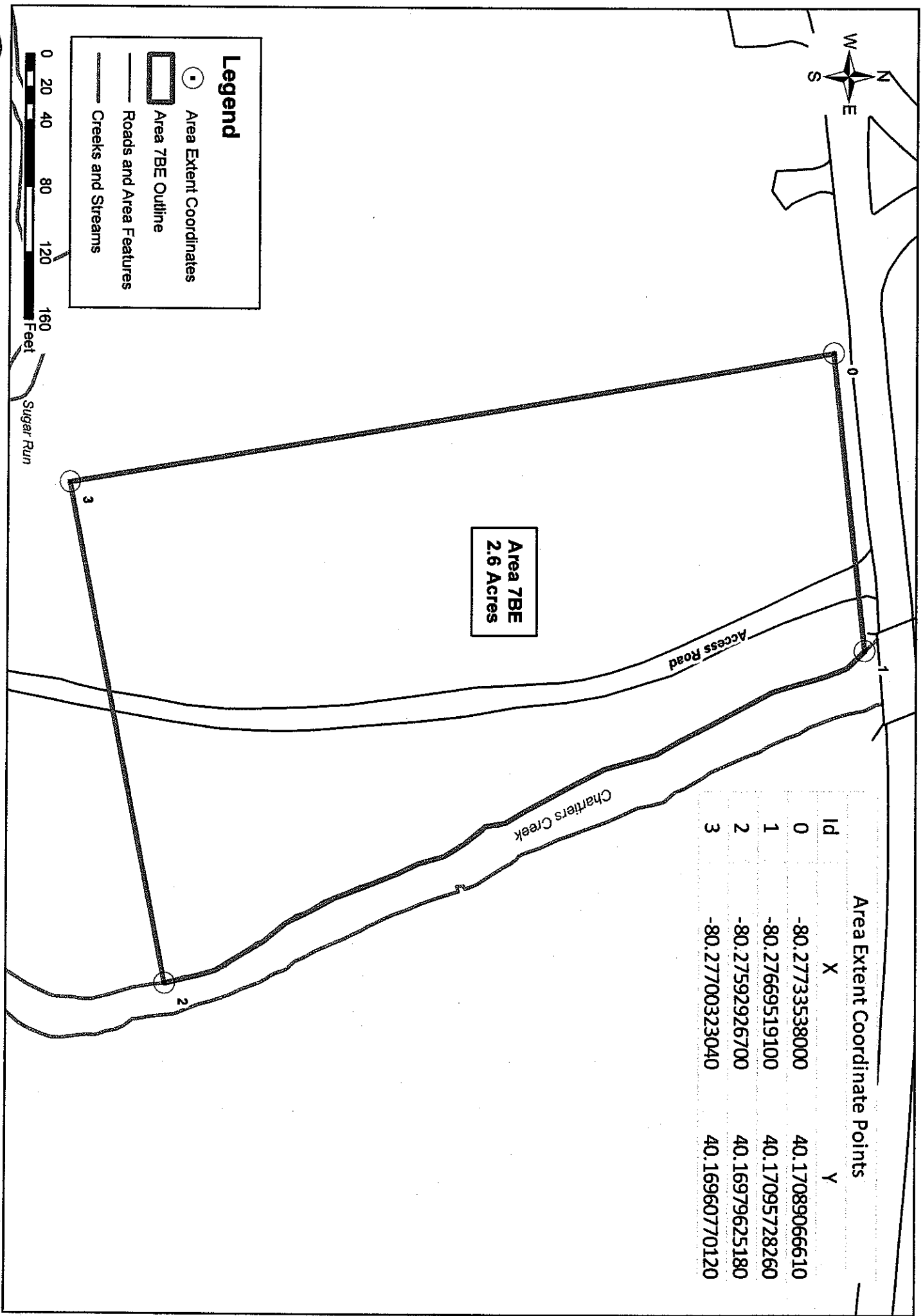
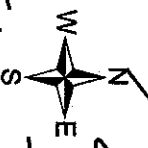
**Legend**

- Area Extent Coordinate Points
- Area 7BC Outline
- Roads and Area Features
- Creeks and Streams



**Area Extent Coordinate Points**

ID	X	Y
0	-80.27700323040	40.16960770120
1	-80.27704853930	40.16978207340
2	-80.27831693970	40.16947917560
3	-80.27829353250	40.16938059670



Area Extent Coordinate Points		
Id	X	Y
0	-80.27733538000	40.17089066610
1	-80.27669519100	40.17095728260
2	-80.27592926700	40.16979625180
3	-80.27700323040	40.16960770120

**Area 7BE**  
2.6 Acres

**Legend**

- Area Extent Coordinates
- Area 7BE Outline
- Roads and Area Features
- Creeks and Streams



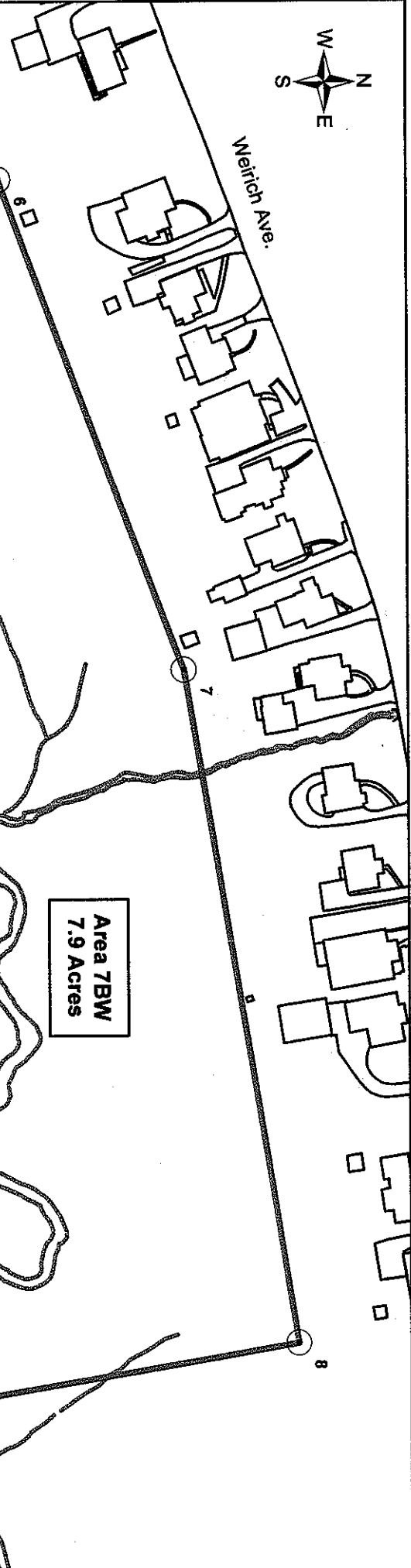
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Extent of Area Information

Area 7BE  
Outline of Area, Major Corner Points, and Acreage





Weirich Ave.



**Area 7BW**  
7.9 Acres

**Legend**

- Area Extent Coordinate Points
- Area 7BW Outline
- Roads and Area Features
- Creeks and Streams



Area Extent Coordinate Points

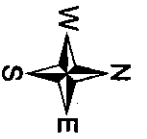
ID	X	Y
0	-80.27829353250	40.16938059670
1	-80.27868550670	40.16931127080
2	-80.27866986570	40.16925610440
3	-80.28081613230	40.16888078710
4	-80.28080215370	40.16883298780
5	-80.28163876950	40.16867616770
6	-80.28219434100	40.16941218250
7	-80.28064663190	40.16990577620
8	-80.27851326470	40.17023285700



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Extent of Area Information

Area 7BW  
Outline of Area, Major Corner Points, and Acreage

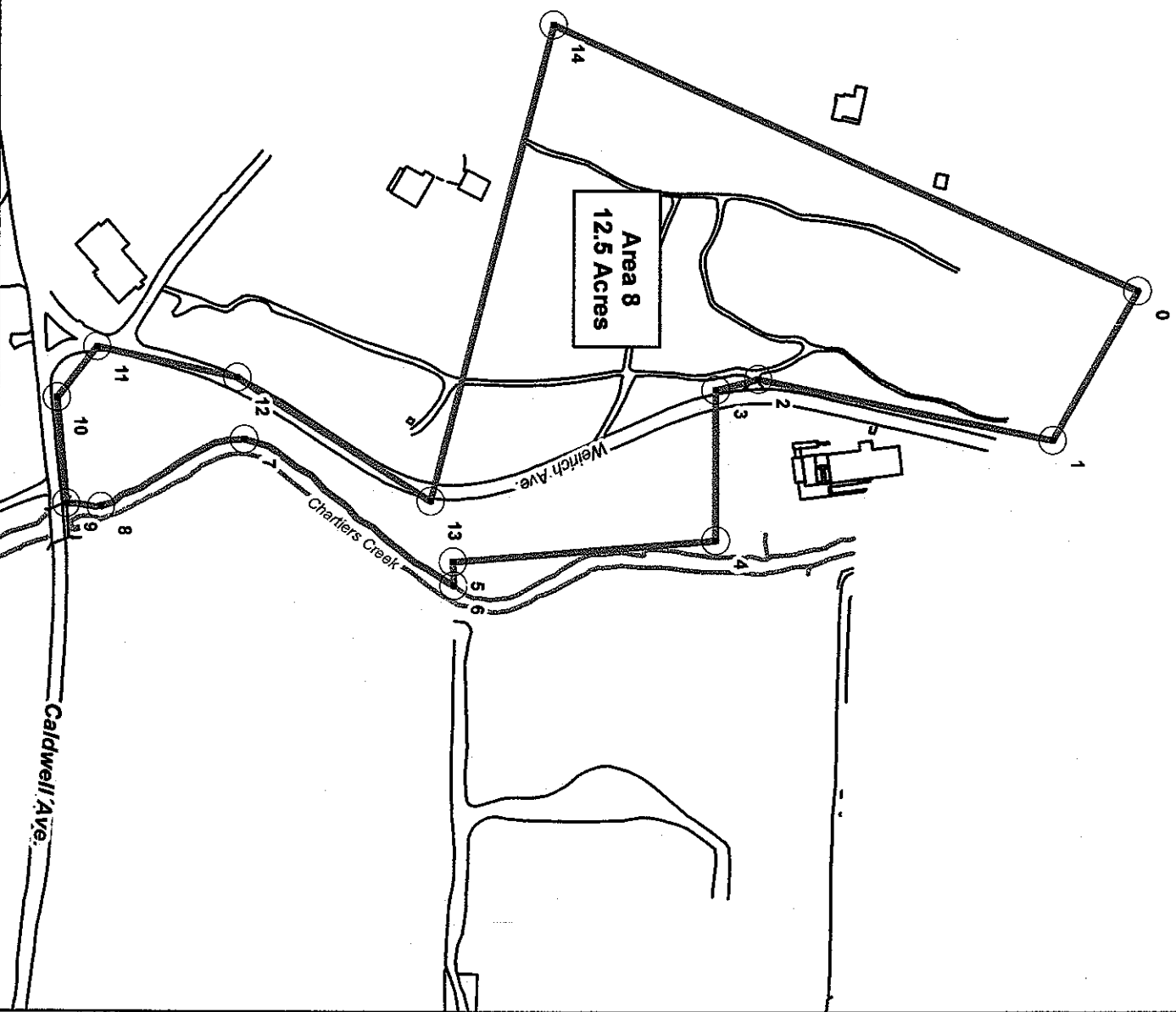


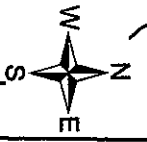
Area Extent Coordinate Points

ID	X	Y
0	-80.27817429390	40.17580545500
1	-80.27730737830	40.17544984260
2	-80.27760954610	40.17412643010
3	-80.27753946040	40.17393925210
4	-80.27668088110	40.17395810400
5	-80.27651118870	40.17278752850
6	-80.27637596740	40.17279134790
7	-80.27717142420	40.17184542940
8	-80.27676166610	40.17121072690
9	-80.27677283450	40.17105419190
10	-80.27737780690	40.17099689860
11	-80.27767664220	40.17117289390
12	-80.27752505390	40.17180770160
13	-80.27685158290	40.17267846650
14	-80.27959915130	40.17316337410

**Legend**

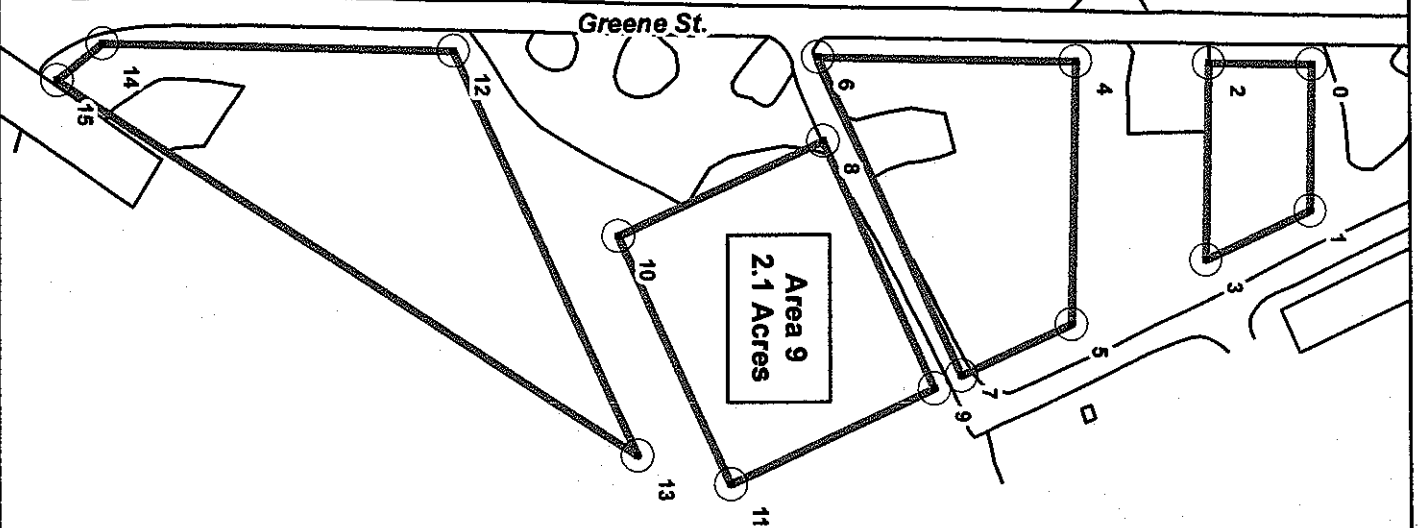
- Area Extent Coordinate Points
- Area 8 Outline
- Roads and Area Features
- Creeks and Streams





**Legend**

- Area Extents Coordinate Points
- Area 9 Outline
- Roads and Area Features
- Creeks and Streams



Area Extents Coordinate Points

ID	X	Y
0	-80.27337335720	40.17329828310
1	-80.27302867860	40.17330047310
2	-80.27337128210	40.17310613350
3	-80.27290596210	40.17310908920
4	-80.27336861460	40.17285908380
5	-80.27274818630	40.17286302460
6	-80.27336348070	40.17238274410
7	-80.27262008770	40.17266323950
8	-80.27316649120	40.17239588880
9	-80.27258849970	40.17261397410
10	-80.27292957920	40.17202640200
11	-80.27235159010	40.17224448620
12	-80.27335624270	40.17171245250
13	-80.27241295170	40.17207185860
14	-80.27334980520	40.17106365350
15	-80.27325907050	40.17098031780

Area 9  
2.1 Acres

Greene St.



Caldwell Ave.

Greene St.

Area 10A  
0.9 Acres

Access Road

I-70



**Legend**

- Area Extent Coordinate Points
- Area 10A Outline
- Roads and Area Features
- Creeks and Streams

Area Extent Coordinate Points		
ID	X	Y
0	-80.27421011720	40.17089573490
1	-80.27340208070	40.17086290810
2	-80.27433765140	40.17046784820
3	-80.27400773050	40.17019334120

Summary Showing Which Groundwater Standard is Attained by Constituents  
MolyCorp Washington Remediation Project

Constituent	Attained Groundwater Standard
<b>Polycyclic Aromatic Hydrocarbons</b>	
Acenaphthene	Residential
Acenaphthylene	Residential
Anthracene	Residential
Benzo(a)anthracene	Residential
Benzo(a)pyrene	Residential
Benzo(b)fluoranthene	Residential
Benzo(ghi)perylene	Residential
Benzo(k)fluoranthene	Residential
Chrysene	Residential
Dibenz(a,h)anthracene	Residential
Fluoranthene	Residential
Fluorene	Residential
Indeno(1,2,3-cd)pyrene	Residential
Naphthalene	Residential
Phenanthrene	Residential
Pyrene	Residential
<b>Metals</b>	
Aluminum	Residential
Antimony	Site Specific
Arsenic	Site Specific
Barium	Residential
Beryllium	Residential
Boron	Site Specific
Cadmium	Residential
Chromium	Residential
Cobalt	Residential
Copper	Residential
Iron	Site Specific
Lead	Site Specific
Manganese	Site Specific
Mercury	Site Specific
Molybdenum	Site Specific
Nickel	Residential
Selenium	Site Specific
Silver	Residential
Thallium	Site Specific
Tin	Residential
Vanadium	Residential
Zinc	Residential

Notes:

Residential = Attains the Used Aquifer Residential Medium Specific Concentrations  
Site Specific = Environmental Covenant restricting groundwater use

Summary Showing Which Soil Standard is Attained by Constituents  
MolyCorp Washington Remediation Project

Chemical	Attained Soil Standard				
	Areas 1 and 2	Areas 3 and 10a	Areas 5C and 5D	Area 7A	Areas 5E, 7B-E
<b>Volatile Organic Compounds</b>					
Benzene	Residential	Residential	Residential	Residential	Residential
Chloromethane	Residential	Residential	Residential	Residential	Residential
Vinyl chloride	Residential	Residential	Residential	Residential	Residential
<b>Polycyclic Aromatic Hydrocarbons</b>					
Naphthalene	Residential	Residential	Residential	Residential	Residential
2-Methylnaphthalene	Residential	Residential	Residential	Residential	Residential
Acenaphthylene	Residential	Residential	Residential	Residential	Residential
Fluorene	Residential	Residential	Residential	Residential	Residential
Phenanthrene	Residential	Residential	Residential	Residential	Residential
Anthracene	Residential	Residential	Residential	Residential	Residential
Fluoranthene	Residential	Residential	Residential	Residential	Residential
Pyrene	Residential	Residential	Residential	Residential	Residential
Benzo(a)anthracene	Residential	Residential	Non-residential	Non-residential	Residential
Chrysene	Residential	Residential	Residential	Residential	Residential
Benzo(b)fluoranthene	Residential	Residential	Non-residential	Non-residential	Residential
Benzo(k)fluoranthene	Residential	Residential	Residential	Residential	Residential
Benzo(a)pyrene	Residential	Non-residential	Non-residential	Non-residential	Non-residential
Indeno(1,2,3-cd)pyrene	Residential	Residential	Residential	Residential	Residential
Dibenz(a,h)anthracene	Residential	Residential	Residential	Residential	Residential
Benzo(ghi)perylene	Residential	Residential	Residential	Residential	Residential
Carbazole	Residential	Residential	Residential	Residential	Residential
Dibenzofuran	Residential	Residential	Site Specific	Site Specific	Site Specific
<b>Other Semivolatile Organic Compounds</b>					
o-Cresol	Residential	Residential	Residential	Residential	Residential
p-Cresol	Residential	Residential	Residential	Residential	Residential
2,4-Dimethylphenol	Residential	Residential	Residential	Residential	Residential
Hexachloroethane	Residential	Residential	Residential	Residential	Residential
Pentachlorophenol	Residential	Residential	Residential	Residential	Residential
Phenol	Residential	Residential	Residential	Residential	Residential
1,2,4-Trichlorobenzene	Residential	Residential	Residential	Residential	Residential
<b>Metals</b>					
Aluminum	Residential	Residential	Residential	Residential	Residential
Antimony	Non-residential	Residential	Residential	Residential	Residential
Arsenic	Non-residential	Non-residential	Non-residential	Non-residential	Non-residential
Barium	Residential	Residential	Residential	Residential	Residential
Boron	Non-residential	Non-residential	Non-residential	Residential	Residential
Cadmium	Residential	Residential	Residential	Residential	Residential
Chromium	Non-residential	Residential	Non-residential	Residential	Residential
Cobalt	Non-residential	Residential	Residential	Residential	Residential
Iron	Non-residential	Non-residential	Residential	Non-residential	Non-residential
Lead	Non-residential	Non-residential	Residential	Residential	Residential
Manganese	Non-residential	Residential	Residential	Residential	Residential
Molybdenum	Non-residential	Non-residential	Non-residential	Residential	Residential
Nickel	Residential	Residential	Residential	Residential	Residential
Selenium	Non-residential	Residential	Non-residential	Residential	Residential
Thallium	Non-residential	Residential	Residential	Residential	Residential
Titanium	Residential	Residential	Residential	Residential	Residential
Tungsten	Residential	Residential	Residential	Residential	Residential
Vanadium	Residential	Residential	Residential	Residential	Residential
Zinc	Residential	Residential	Residential	Residential	Residential

Notes:

Non-residential = Attains the Non-residential Soil Medium Specific Concentrations

Residential = Attains the Residential Soil Medium Specific Concentrations

Site Specific = Environmental Covenant restricting groundwater use