

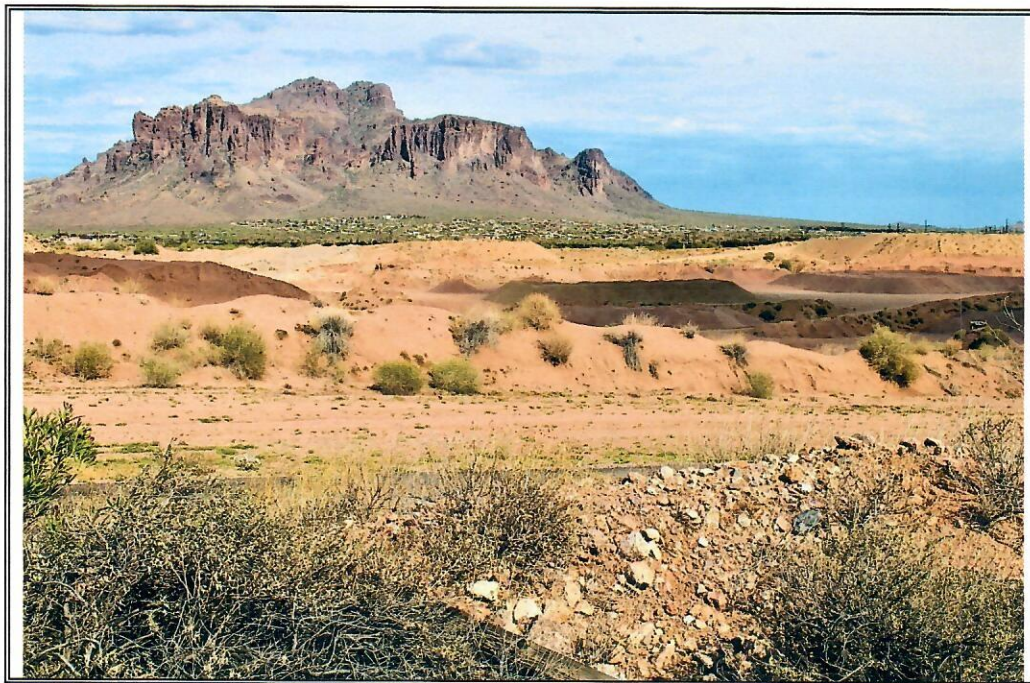
PHASE I ENVIRONMENTAL SITE ASSESSMENT

FOR

**ARIZONA STATE LAND DEPARTMENT
TURQUOISE VALLEY, LLC
GW ASSOCIATES**

SITE: CORTEZ ROAD, APACHE JUNCTION, AZ 85119

REPORT DATE: July 2, 2022



Enviro Geodetics, PLLC.



Enviro Geodetics, P.L.L.C.

*Environmental Site Assessments – Soil Analyses
Commercial Real Estate Aerial Photography
Analog and Digital Magnetometer Surveys
Underground Storage Tank Removals
Drywell Investigations & Closures
AHERA Building Inspections
Commercial Drone Services*

July 6, 2022

**ARIZONA STATE LAND DEPARTMENT
TURQUOISE VALLEY, LLC
GW ASSOCIATES**

RE: Phase I Environmental Site Assessment Report
Subject Site Location: Cortez Road, Apache Junction, AZ 85119
Enviro Geodetics, PLLC. Project No. 51922

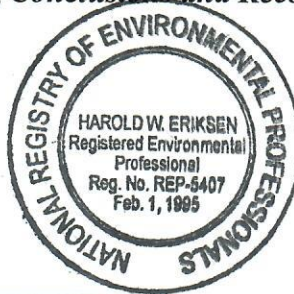
To Whom It May Concern::

Enclosed with this letter are copies of the Phase I Environmental Site Assessment Report completed by **Enviro Geodetics, PLLC.** for the site referenced above. As you will note in the report, our conclusions regarding the environmental condition of the site are summarized both in Section 1.0, **Executive Summary**, and Section 6.0, **Conclusions and Recommendations**.

Sincerely,

Sincerely,

ENVIRO GEODETTICS, P.L.L.C.



Harold W. Eriksen

BA & MA, (Geology) MS (Environmental Science)

Nationally Registered Environmental Professional (NREP) # 5407

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PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

SITE: CORTEZ ROAD, APACHE JUNCTION, AZ 85119

PROJECT NO. 51922

BY

Enviro Geodetics, PLLC.
659 North Arroya Road
Apache Junction, AZ 85119-8625

THIS REPORT WAS PREPARED FOR THE SOLE USE AND BENEFIT OF OUR CLIENT, **ARIZONA STATE LAND DEPARTMENT, TURQUOISE VALLEY, LLC, GW ASSOCIATES AND THEIR ASSIGNS** AND IS BASED, IN PART, UPON DOCUMENTS, WRITINGS, AND INFORMATION OWNED AND POSSESSED BY OUR CLIENT. NEITHER THIS REPORT, NOR ANY OF THE INFORMATION CONTAINED HEREIN, SHALL BE USED OR RELIED UPON FOR ANY PURPOSE BY ANY PERSON OR ENTITY OTHER THAN OUR CLIENT. ALL STANDARD TERMS, CONDITIONS, AND LIMITATIONS BY ***Enviro Geodetics, PLLC.*** APPLY AT ALL TIMES FOR THIS REPORT AND ALL REPORTS ISSUED BY ***Enviro Geodetics, PLLC.***

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SECTION 1.0

EXECUTIVE SUMMARY: FINDINGS AND CONCLUSIONS

1.1 FINDINGS

This report presents the results of the Phase I Environmental Site Assessment conducted by *Enviro Geodetics, PLLC.* at Cortez Road, Apache Junction, AZ 85119 (see Figure 2, *Site Location Map*). The Phase I assessment was undertaken at the request of GW and Associates and Turquoise Valley, LLC in accordance with *Enviro Geodetics, PLLC.*'s *Standard Terms and Conditions*, as outlined in *Enviro Geodetics, PLLC.*'s *Letter of Intent/Authorization* for Project Nº 51922. The findings and conclusions of this investigation are based upon a review of historic site-use activities, contact with and records from governmental regulatory agencies, regulatory database searches, as well as a site reconnaissance and interviews with the client, site personnel, and possibly others who may have knowledge of various aspects of the subject site.

The property encompasses 373.69 acres of undeveloped land.

INITIAL UNDERSTANDING

Proposed Project Related Potable Water Source

Discussions, the GW Associates and Turquoise Valley LLC initially indicated that groundwater would be used as a potable water source for the proposed development of approximately 150 high-end homes with the installation of approximately 150 water wells across 374 acres. Our current understanding is that the project will rely on municipal water as a drinking water source.

Proposed Project Related to Septic Systems

Early discussions with GW Associates and Turquoise Valley LLC indicated individual septic systems would be installed to process the household sanitary waste. *The soil on the subject site is not amenable to the installation of septic tank absorption fields due to the depth of the bedrock and slow water movement.* The reader is directed to the soil survey and soil limitations for septic tank absorption fields in Appendix C. It is our current understanding that the project will rely on a municipal waste water treatment plant or an on-site packaged waste water treatment facility to process sanitary waste.

Building Without Basements

The soil ratings for single-family homes without basements with less than three stories will be found in Appendix C. The ratings are based on the soil properties that affect the capacity of the soil to support the load without movement. The depth to soft bedrock and the slope of the land are the intrinsic limitations. The reader is directed to the soil limitations for buildings without basements in Appendix C.

The principal findings of *Enviro Geodetics, PLLC.*'s Phase I Environmental Site Assessment for this site are as follows:

The subject site may be affected by

Historic Mining Activity and its Environmental impact on the Subject Site

The former Bulldog Mine is located immediately east of the east section line. The Goldfield Mining District encompasses a large area northwest of the Bulldog Mine including the Blue Ridge and Saddle Rock Mountains. The Treasure Chest Mining Company located immediately west of the Bull Dog Mine in section three produces sand, gravel and ornamental stone. The reader is directed to the Metallic Mineral District map and the topographic maps in Appendix C. Historically the site has been associated with the Goldfield Mining District which is now part of the Tonto National Forest. The site was first discovered in 1892 by O. E. Merrill.

The Bulldog Gold Mine was a surface and underground mining operation. Production in the Goldfield Mineral district took place between the 1880s and again from 1914 to 1959. The overall output was considered to be small. The mining operations consisted of surface and underground workings with one known shaft. Its subsurface depth reaches a maximum of 30 meters (100 feet) and is 610 meters (2,000 feet) in length. According to Bureau of Geology and Mineral Technology,¹ the Goldfield Mineral District produced 23,000 tons of base and precious metals; 16,000 pounds of copper; 5,100 ounces of gold and 4,000 ounces of silver. The production of another 3,000 ounces of gold prior to 1914, was reported in another publication.²

The Treasure Chest Mining company occupies most of the northwest corner of section three. The reader is directed to the Arizona State Land Department survey³ overlaying an aerial photograph in Appendix C. The mining company harvests ornamental stone, sand and gravel. Based on observation, the Environmental Record Search, and mega search of ADEQ records. Treasure Chest Mining Company is not a regulated site.

Underground mining, like most traditional forms of mining, can release toxic compounds (i.e. heavy metals and metaloids such as arsenic) to the groundwater. Surface water percolating through former mine tailings (not visible in available aerial images) can contaminate soil, surface water and groundwater. Although reports describing groundwater quality on the subject site were not available, it is a moot issue if the development will rely on a municipal potable water source.

The groundwater migration direction was determined graphically, and is based on the groundwater levels in three index wells, measured at approximately the same point in time. The reader is directed to the Groundwater Migration Graphic in Appendix C. The measured groundwater migration direction (southwesterly across the subject site) was confirmed in a Department of Water

¹ Bulletin 194, dated 1983, Metallic Mineral Districts and Production in Arizona

² Data provided by Elsing and Heineman (1936)

³ Allands Condition of Title Report. Dated March 23, 2022

Resources Hydrologic Map Series Report No.28⁴ Although it is an older publication it is believed to hold true.

Surface water migration is southwesterly and follows the topography

Radon

The property is situated on the talus slope of a granite outcrop (Saddle Rock Mountain) that straddles the north perimeter of the subject site. The reader is directed to the enclosed geologic map and the topographic maps in Appendix C. Uranium mineralization is commonly associated with granite; pink and red granite having the highest degree of uranium mineralization.

When the earth was formed, there were probably many radioactive elements included in the mix of material that became the earth. The three of interest that have survived to this day are uranium-235, uranium-238 and thorium-232. Uranium and thorium are a radioactive elements that slowly decay producing a chain of radioactive daughter elements that have a unique half-life. Each of the three isotopes mentioned above have a half-life measured in billions of years, and each stands at the top of a natural radioactive decay chain. A decay chain contains a series of distinct element transformations. All three of the natural decay chains include isotopes of radon. Radon 219 (aka actinon), is a link in the uranium-235 decay chain. You will probably never encounter actinon in indoor air, due to its short half-life (3.96 seconds). Radon 220 (aka thoron), is part of the uranium-232 decay chain, with a half-life of 55.6 seconds. *You may encounter thoron in in-door air and in soil gas. Radon-222 is a link in the uranium-238 decay chain. It can be detected in indoor air, outdoor air and soil gas, and has a half-life of 3.82 days.*

A map showing areas in Arizona with elevated concentrations of uranium was prepared by the Arizona Geological Survey in the late 1970's. It is based on a statewide airborne gamma radiation survey. The map shows areas where uranium is known to be present in the soil and rock at concentrations greater than 5 parts per million (ppm), and capable of generating hazardous indoor radon concentrations. The surface did not detect small anomalies that have since been recognized on the ground. The mapping of small areas with unusually high concentrations of uranium were not included in the map because their boundaries were too small. A complete survey including small areas of concern were not included because they were beyond the scope of the survey. A copy of the showing the area surrounding the subject site will be found in Appendix C.

In Arizona, in-door radon measurements were conducted by the EPA/Arizona Radiation Regulatory Agency between 1987 and 1988, but did not include sparsely populated areas such as Turquoise Valley.

The boring logs of nine well sites within the project area (obtained from the Arizona Department of Water Resources) were examined for the well driller's description of the geologic material encountered during the well installation. The reader is directed to the well logs in Appendix C. All nine well logs reported the presence of granite and pink granite. Pink and red granite have been reported as having the highest degree of uranium mineralization.

⁴ Maps Showing Groundwater Conditions in the Phoenix Active Management Area – Maricopa, Pinal and Yavapai Counties, Arizona - 1992

Soil Gas Testing vs. Indoor Testing for Radon

The EPA recommends that radon measurements be made indoors after the building has been constructed; stating that the amount of radon in a finished home varies with the season, site preparation which can alter the pathways of radon movement through the soil, the extent to which a negative pressures are produced in the home, and the amount of general area ventilation. The measurement of the magnitude of surface emissions of radon from the soil and rock would enable architects and builders to determine the need to include radon mitigation features in the construction of the home. To the best of my knowledge, a correlation between surface emissions and indoor radon levels has never been established. Such a study would be worthy of publication.

The best instrument to measure indoor radon/thoron is the RAD7, manufactured by the DurrIDGE. It is continuous radon monitor that can measure radon and thoron directly and is capable of reliable short term measurements. The instrument can also be used to determine where radon is entering the building. When high levels of radon is encountered in the home the instrument can determine the degree of radon communication at different areas of the concrete building slab. It can locate radon entry points within the structure making it valuable in radon mitigation.

The radiation of interest are alpha particles with energies between 5 and 10 Million electron Volts (MeV). Radon and thoron decay products produce alpha particles in the range of 6 to 9 MeV. During the sampling period, the radionuclides are deposited on the surface of a solid state detector having 200 channels or counters, each representing a 0.05 MeV per channel. When the instrument detects an alpha particle of a particular energy it assigns it to an appropriate energy channel, giving the instrument the capability of discriminating between radon-222, radon-220 (thoron) as other alpha particle emitting nuclides within the range of the instrument. The RAD7 is truly and radon specific instrument. The different ways of using the RAD7 may be arranged in six categories – continuous monitoring, sniffing for radon and or thoron, testing grab samples, measuring radon in water, and soil gas testing.

Radon is a significant issue relative to the Turquoise Valley Development

The EPA estimates that approximately 22,000 lung cancer deaths per year are likely related to radon exposure in the USA, with 75% of a person's day spent in the home. There are currently no Arizona standards mandating that homes be tested for radon; guidelines only. Because exposure to radon can lead to lung cancer at any concentration, only guidelines and not exposure standards below which there are no health effects have been proposed. Two agencies have recommend guidelines - the EPA (4picoCuiies per liter of air), and World Health Organization (2.7 picoCuries per liter).

The State of Arizona and the EPA recommend that a home or residence should be tested before a real estate transaction is carried out. ***Even though Arizona does not require radon testing, it is recommended that indoor testing be performed to avoid future liability. Figures for radon exposure-related lawsuits are few and far between, but the law is clear: if someone developed lung cancer due to exposure to unsafe levels of radon, and the developer failed to test for and/or***

*mitigate the exposure when required, then those exposed would be entitled to receive financial compensation.*⁵

- **Enviro Geodetics, PLLC.** has performed this Phase I Environmental Site Assessment of the subject site in conformance with the scope and limitations of the Environmental Protection Agency, Standards and Practices for All Appropriate Inquiries, 40 CFR Part 312 and the standard practice set forth in the American Society for Testing and Materials (ASTM) Designation: E1527-13, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." Any exceptions to, or deletions from, these practices are described in Section 1.4 of this report.
- This assessment has revealed no visible evidence of recognized environmental conditions in connection with the property except for those listed in Section 1.2.

1.2 CONCLUSIONS SUMMARY

Based on the findings of this Phase I Environmental Site Assessment, **Enviro Geodetics, PLLC.** has identified the following recognized environmental condition(s):

RECOGNIZED OR SUSPECTED ENVIRONMENTAL CONDITION(S) BASED ON HISTORICAL LAND USE INFORMATION

Condition	Location	Description of Condition
1	Entire Site	Based on the data collected in this report the subject site appears to pose a potential threat to human health from exposure to radon and thoron once homes are constructed on the site

Note: Descriptions of conditions are given again in further detail in Section 6.0, **Conclusions and Recommendations**, along with recommendations as to how to address the conditions and the estimated costs of completing any recommended next-step action. **Enviro Geodetics, PLLC. classifies a recognized environmental condition, per the ASTM Standard E 1527-13 definition, as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property due to any release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment.**

Based on the findings of this Phase I Environmental Site Assessment, **Enviro Geodetics, PLLC.** has identified the following *de minimis* conditions, historical recognized environmental conditions, and/or controlled recognized environmental conditions:

DE MINIMIS CONDITIONS HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS, OR CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

⁵ \$1.3 Million Award for Family of Mesothelioma Victim. Mesothelioma lawyers at Pintas & Mullins Law Firm report that a Pennsylvania court recently upheld a \$1.3 million verdict

Condition #	Location	Description of Condition	Condition
NONE	N/A	N/A	N/A

Note: Descriptions of conditions are given again in further detail in Section 6.0, Conclusions and Recommendations, along with recommendations as to how to address the conditions. *Enviro Geodetics, PLLC.* classifies an environmental condition as a **de minimis (potential or possible) condition** when it appears to pose no immediate threat to the subject site and/or requires no immediate action given the current knowledge of site conditions. It is a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. This condition with time, groundwater movement, demolition or other disturbances, or sometimes with the acquisition of further information, may come to pose a long-term, immediate, or chronic environmental risk; and/or this condition may appear to have a negligible monetary/physical impact on the subject property, and therefore, does not require additional investigation at this time. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions. *Enviro Geodetics, PLLC.* classifies a historical recognized environmental condition (HREC) as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. An HREC is limited to include only past releases that have been addressed to unrestricted residential use. *Enviro Geodetics, PLLC.* classifies a Controlled Recognized Environmental Condition (CREC) as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable agency, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

1.3 SITE FACTS

Current Owner(s):	State Land
Current Use:	Undeveloped
Site Contact:	Mr. Frank Dell' Armi GW Associates Ms. Nina Johnson Turquoise Valley, LLC
Field Assessor:	Harold Eriksen
Report Writer:	Harold Eriksen
Parcel #:	State Land
Address(es) Provided by Client:	Cortez Road, Apache Junction, AZ 85119
Total Acreage of Land:	373.69
Date of Site Reconnaissance:	July 4 th and 5 th , 2022
Total # of Offsite Wells in Section 3 With Boring Logs:	Nine

1.4 EXCEPTIONS AND/OR DELETIONS TO ASTM E 1527

There are no exceptions to ASTM E 1527.

1.5 NON-SCOPE ISSUES

According to client request, no other environmental issues that are "non-scope considerations" under ASTM E 1527, such as asbestos-containing materials, lead-based paint, radon, and lead and pre and poly fluoroalkyl substances (PFAS) in drinking water, were not assessed.

SECTION 2.0

INTRODUCTION

2.1 PURPOSE OF A PHASE I ESA

The purpose of this Phase I Environmental Site Assessment is to assess (1) the likelihood of contamination of the subject site as a result of either past or present land-use practices; and (2) the potential for future environmental contamination which may occur as a result of current conditions or operations and maintenance activities at either the subject site or properties adjoining the subject site, thereby identifying real or potential environmental or economic impact to the subject site. In this way, the client may satisfy a requirement to qualify for the innocent landowner defense to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability by completing "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial and customary practice." To meet these objectives, *Enviro Geodetics, PLLC.* attempted to complete the tasks outlined in this section except as noted in Section 1.4.

2.2 SCOPE OF WORK

The Scope of Work that has been followed for this assessment is identified in Section 1.1, Page 1-1.

2.2.1 Site Description

Site photographs were taken during the site reconnaissance. The photographs and their summary descriptions can be found in **Appendix A.**

Enviro Geodetics, PLLC. reviewed pertinent, reasonably ascertainable information on the soil types and groundwater conditions in the vicinity of the subject site. For the purposes of this assessment, the depth from the ground surface and the direction (or gradient) of the groundwater flow are of particular significance. Such findings are used by *Enviro Geodetics, PLLC.* report writers, in conjunction with additional information about environmental conditions on nearby sites, to assess the risk that is faced by the subject site from off-site sources of contamination.

It should be noted that *Enviro Geodetics, PLLC.*'s geological and hydrological research does not include investigation of seismological concerns (i.e., fault lines) that may affect the area of the subject site. Although the existence of faults in an area may be of concern to property owners and residents in that area, it is not considered to be an environmental concern, and so is not usually a component of a Phase I Environmental Site Assessment. (However, in the event that it is required, *Enviro Geodetics, PLLC.* can assist the client in completing a seismological investigation.)

2.2.2 Site Reconnaissance

An *Enviro Geodetics, PLLC.* field assessor conducted a visual reconnaissance of the subject property to identify observable signs of environmental impairments, including on-site operations and maintenance activities which may lead to possible environmental impairment. As a part of the site reconnaissance, *Enviro Geodetics, PLLC.* visually inspected the site for obvious indications of:

- Existing and previously existing storage tanks (aboveground and underground)
- Hazardous substances storage and handling
- Clarifiers, sumps, trenches, and industrial discharge sources
- Equipment which may contain polychlorinated biphenyls (PCB) (fluorescent light ballasts are not inspected)
- Indications of spillage of hazardous substances, and the general condition of concrete, asphalt, soil, and other surfaces
- Indications of stressed vegetation as a result of on-site contamination

During the site reconnaissance, *Enviro Geodetics, PLLC.* field assessors may make note of basic compliance issues which, may be environmental in nature, however are not issues directly associated with the potential for site contamination (i.e., the specific objective of our assessment). However, as a service to our clients, and because these compliance issues may contribute to our overall understanding of site operations, *Enviro Geodetics, PLLC.* may comment on the site's basic compliance status. The review of the site's compliance status is not intended to be complete or comprehensive and may or may not include all items identified during the site reconnaissance.

Again, the compliance review is not intended as a comprehensive compliance audit. Rather, the compliance review is only intended to aid *Enviro Geodetics, PLLC.* in determining the likelihood that the subject site may have been impacted by releases of hazardous substances.

When the storage or use of hazardous substances are encountered on a site, the *Enviro Geodetics, PLLC.* field assessor will look for or inquire about the on-site presence of Material Safety Data Sheets (MSDSs). MSDSs are prepared by the manufacturers of hazardous substances (pursuant to OSHA's Hazard Communication Standard), and they detail the components, dangers, and proper handling procedures for the hazardous substance for which they have been prepared. The presence or absence of MSDSs for on-site hazardous substances will be noted in 3.5, *Hazardous Substances Storage and Handling*. However, some sites may use or store hundreds of various chemical compounds. In such cases, it is practically impossible for the field assessor to match-up each substance with its corresponding MSDS. Still, the field assessor will inquire about MSDSs and copies of representative MSDSs that were made available will be included in Appendix C.

Enviro Geodetics, PLLC. may have (based on contract) inspected and reviewed information for the subject site regarding the presence of specific hazardous substances which are relatively common sources of environmental concern. The substances in question include:

- Common building materials that may contain or are suspected of containing asbestos
- Radon (at elevated levels)
- Lead-contaminated drinking water
- Lead-based paints

Based on ASTM E1527-13, federal, state, and other regulatory agency guidelines, the following presumptions were in force if and when ***Enviro Geodetics, PLLC.*** inspected the subject site for specific hazardous substances:

- Structures built after 1980 are considered asbestos-free.
- Structures built after 1979 are considered lead-free (with respect to both water and painted surfaces).
- Fluorescent light ballasts will be considered PCB-free and will not be noted in the report regardless of their date of manufacture, unless ***Enviro Geodetics, PLLC.*** is instructed to do otherwise in writing by the client.

Enviro Geodetics, PLLC. also inspected the properties that adjoin the subject site. In general, this inspection included a "drive-by" survey to note the operations which may pose an imminent or potential environmental threat to the subject site.

2.2.3 Review of Historical Information

For this assessment, ***Enviro Geodetics, PLLC.*** may have reviewed reasonably ascertainable historical aerial photographs and United States Geologic Survey (U.S.G.S.) topographic maps of the subject site and vicinity. This review consisted of examining the reasonably ascertainable available photographs and topographic maps for evidence of activities on or development of the subject site and adjoining sites that may show an environmental condition or concern which may currently affect the subject site. The specific aerial photographs and U.S.G.S. maps that were reviewed for this assessment are identified and their environmentally relevant features are described in Section 4.1.

Enviro Geodetics, PLLC. may have also reviewed any reasonably ascertainable Historic Maps of the subject site and vicinity. Such maps have been prepared by fire insurance companies in order to determine the potential risk of fire damage to buildings in metropolitan areas. These maps have been produced since the mid-1850s and, for some areas, they are still produced today. For the

purposes of a Phase I Environmental Site Assessment, these maps may contain helpful information on the ages and past uses of buildings, as well as information about on the storage of hazardous and flammable substances. However, because it was only worthwhile for fire insurance companies to map metropolitan areas, the scope of coverage of these maps is somewhat limited. If Historic Maps have provided coverage of the subject site, and if the specific maps were reasonably ascertainable, then the specific maps that were reviewed for this assessment are identified, and their environmentally relevant features described, in Section 4.2.

One of the least known yet most complete and comprehensive historical sources are historical city or street directories. These texts may have been reviewed by **Enviro Geodetics, PLLC.** to the extent that they have provided coverage of the subject site and were reasonably ascertainable. **Enviro Geodetics, PLLC.** reviews historical city or street directories (also known as criss cross or reverse indexed directories) for information on the past occupants of and activities on the subject site and adjoining sites. These directories were prepared by companies that catered to the needs of salespeople by providing the names of the occupants at a given address (that is, unlike a traditional telephone book, the entries of a reverse directory are arranged by address, not by name). However, like Historical Maps, the scope of coverage of these directories is limited to mostly metropolitan areas. If they were reasonably ascertainable, they were reviewed and Section 4.3 contains listings of historical city or street directories.

Enviro Geodetics, PLLC. has contacted various state, county, and municipal agencies having current or past jurisdiction over the subject site, in an attempt to review reasonably ascertainable records that contain specific information about environmental conditions on the subject site that these agencies may have on file, or to establish that no environmentally relevant records are on file for the subject site. The client should be aware that most regulatory agencies file their records by address or corporate name (as opposed to parcel number or site name). If no specific address has been assigned to a site, then, typically, no environmental records related to the site will be forthcoming from the state, county, or municipal regulatory agencies. The findings of this records search are reported in Section 4.4, **Agency Contacts**. The addresses, phone numbers, names of the persons contacted within the various agencies are listed on the Regulatory Contacts Sheet, which is included in Appendix B. Copies of any records obtained from regulatory agencies can be found in Appendix C. In some instances, **Enviro Geodetics, PLLC.** may not yet have received a reply from one or more of the agencies that were contacted. (Some agencies will take six weeks or longer to reply to a verbal or written request.) In the event of such delays in response, rather than delaying the issuance of the report, **Enviro Geodetics, PLLC.** has indicated in the report that a response to the request for records is pending, and a copy of the regulatory request form has been included in Appendix B. Any pertinent information that is subsequently received from the pending agency will be addressed and forwarded to the client in the form of an addendum to this report.

Enviro Geodetics, PLLC. has also reviewed an ERS RecCheck Report, a computer-generated federal, state, and regional one-mile regulatory database search in an effort to determine whether the subject site is listed on an agency environmental database and to identify possible regulatory-listed sites of concern within a one-mile radius of the subject site. In general, these documents list known or suspected hazardous-waste generators, release sites, landfills, unauthorized disposal sites, sites with registered underground storage tanks, and sites currently under investigation for known or suspected environmental violations or releases. In conjunction with the findings on the geological and hydrological conditions, information obtained from the database search can be used to assess

the environmental risk faced by the subject site from past or present off-site sources of contamination. Additionally, the ERS RecCheck Report may provide information about on-site sources of contamination. The ERS RecCheck Report review can be found in Section 4.5; a copy of the complete ERS RecCheck Report document and a detailed description of the databases that were searched are included in Appendix D.

When requested, **Enviro Geodetics, PLLC.** will compile and review a chain-of-title abstract for the subject property. The chain-of-title abstract can help the client and **Enviro Geodetics, PLLC.** to better understand the history of the use of the subject site. The chain-of-title abstract is typically compiled from documents obtained from the County Recorder's Office or Tax Assessor's Office. The chain-of-title abstract review, if completed for this report, can be found in Section 4.6. The County Assessor also may be contacted to determine whether the subject site has been assigned addresses in the past which are different from its current address. It is the client's responsibility to supply **Enviro Geodetics, PLLC.** with any records of environmental liens or other such documents.

On occasion, the client, the client's representatives, or on-site personnel will make available environmental documents pertaining to the subject site. These documents may be prior Phase I Reports, environmental site remediation reports, foundation soil reports, or occupancy records, among others. If these are made available prior to the issuance of the report, **Enviro Geodetics, PLLC.** will review the conclusions of these documents, which may help to confirm or disprove any tentative findings that **Enviro Geodetics, PLLC.** has developed independently. If the client has supplied environmental documents for review as part of this assessment, the findings are included in Section 4.7.

After the above information from existing historical records, regulatory agencies, interviews, and other additional environmental documents has been reviewed and evaluated, **Enviro Geodetics, PLLC.** presents the site uses for the subject property as well as adjoining site uses in a chronological table. This historic site use summary assists the client, as well as the field assessors and reviewers to have a perspective of the historical uses of the subject site. The **Historical Site Use** is presented in Section 4.8.

2.2.4 Interviews

Enviro Geodetics, PLLC. attempts to interview various individuals who may have knowledge of various aspects of the subject site. Typically, the interviewees might include:

- Current and previous owners
- Site and operations managers
- Tenants
- Local regulatory personnel

The interviews are summarized in Section 5.0 and interview notes are included in Appendix C.

2.2.5 Conclusions and Recommendations

Section 6.0, *Conclusions and Recommendations*, provides detailed descriptions of the recognized environmental conditions, the *de minimis* conditions, historical recognized environmental conditions, and controlled recognized environmental conditions that, in the professional opinion of *Enviro Geodetics, PLLC.*, currently affect the subject site. Section 6.0 also recommends or suggests the next-step actions that may be required to begin addressing the conditions.

The essential information on a condition at a given location is contained in the "Description of Condition" and the "Action Suggested" boxes of the table for that location. The section numbers refer to those sections in the report that describe the research tasks and findings behind the conclusions. This reporting method allows the reader to quickly go to those sections that are pertinent to the condition.

2.3 INTERPRETATION OF THE REPORT

Following the completion of the tasks outlined above, *Enviro Geodetics, PLLC.* prepared this report to present our findings and conclusions clearly and consistently. In an attempt to aid the reader and bring organization to pieces of seemingly unrelated information, *Enviro Geodetics, PLLC.* has developed a report format that is both innovative and concise. Each piece of information is described in the context of the research or assessment task under which it was found. Typically, an environmental condition will incorporate a number of specific findings. So, in Section 6.0, *Conclusions and Recommendations*, the various particular findings are grouped together and collectively presented with the description of the environmental condition that is corroborated by those findings.

SECTION 3.0

SITE DESCRIPTION AND RECONNAISSANCE

The subject site is surrounded by undeveloped lands, residential sites, a sand and gravel quarry and a former metals mining site. The following subsections describe the physical characteristics of the subject site and are a compilation of the observations made during the visual site inspection.

3.1 SITE PHOTOGRAPHS

An *Enviro Geodetics, PLLC*. field assessor completed a reconnaissance of the subject site, at which time a number of photographs were taken to document the current condition and use of the site. Please see Figure 3, *Site Plan*, for photograph locations. The photographs with their descriptions can be found in **Appendix A**.

3.2 GEOLOGIC AND HYDROGEOLOGIC CONDITIONS

According to the Natural Resources Conservation Database data, the native soil type is

Map Unit Name: Pinamt-Tremant complex, 1 to 10 percent slopes

Map Unit Type: Complex

Drainage Class - Dominant Condition: Well drained

General Information: Loamy-skeletal, mixed

Component Percentage: 53.9%

Hydric: No

Map Unit Name: Ebon very gravelly loam, 1 to 10 percent slopes

Map Unit Type: Complex, 1-8 % slopes

Drainage Class - Dominant Condition: Well drained

General Information: Gravelly loam, mixed

Component Percentage: 25.2%

Hydric: No

Map Unit Name: Gran-Wickenburg-Rock complex, 10 to 65 percent slopes

Map Unit Type: Granite

Component Percentage: 19.2%

Map Unit Name: Grand-Wickenburg complex, 1 to 10 percent slopes

Map Unit Type: Complex

Drainage Class - Dominant Condition: Well drained

General Information: Gravelly sandy loam

Component Percentage: 0.4%

Hydric: No

Map Unit Name: Tremant-Gunsight-Rillito complex, 1 to 5 percent slopes
Map Unit Type: Complex
Drainage Class - Dominant Condition: Well drained
General Information: Gravelly loam
Component Percentage: 0.1%
Hydric: No

The reader is directed to the Soil Descriptions in Appendix C.

The highest elevation of the subject site, excluding the mountainous areas along the north section line was reported to be 1,983 feet above mean sea level.

The depth to groundwater on the project area was inferred from data provided by the Arizona Department of Water Resources and is expected to occur at a depth of 990 to 1,766 feet *above mean sea level*. The depth to groundwater from the surface varies with the topography. The groundwater flow direction is southwesterly. The reader is direct to the Groundwater Migration Graphic in Appendix C. It should be noted that the flow direction and depth of groundwater may be influenced by rainfall, and local groundwater pumping operations. It should also be noted that shallower, unreported, perched groundwater zones may occur in the immediate site vicinity.

During the site reconnaissance and the review of historical maps and photographs, the following was determined to exist or not to exist on the subject site:

- waterways apart from seasonal washes
- wetlands
- pits
- lagoons
- ponds

According to FEMA Data, the site is not located within flood zone. Panel: 04013C2310L, Effective Date: 10/16/2013. Zone X - Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level. Based on current information, the direction and destination of storm water discharge does not appear to be a source of environmental concern to the subject site. The reader is directed to the floodplain maps in Appendix C.

3.3 EXISTING STORAGE TANKS

No evidence of any existing aboveground or underground storage tanks was observed on the subject site during the site reconnaissance nor noted in the research conducted for this assessment.

3.4 PREVIOUSLY EXISTING STORAGE TANKS

No evidence of previously existing aboveground or underground storage tanks was observed on the subject site during the site reconnaissance nor noted in the research conducted for this assessment.

3.5 HAZARDOUS SUBSTANCE STORAGE AND HANDLING

No storage or handling of hazardous substances was observed in the areas inspected during the site reconnaissance.

3.6 SPECIFIC HAZARDOUS SUBSTANCES RECONNAISSANCE

3.6.1 Summary of Specific Hazardous Substances Reconnaissance (Beyond ASTM Scope)

Non-scope items, as defined in the ASTM Standard, were not addressed.

3.6.2 Details of Specific Hazardous Substances Sampling/Observations

No sampling or testing of suspected hazardous substances was performed or authorized for this assessment.

3.7 POLYCHLORINATED BIPHENYLS (PCBS)

No known or suspected PCB-containing equipment or materials were observed on-site during the site reconnaissance.

3.8 CLARIFIERS, SUMPS, TRENCHES, AND INDUSTRIAL DISCHARGE SOURCES

No clarifiers, sumps, trenches, industrial floor drains, or industrial discharge points were noted during the site reconnaissance, historical, and/or regulatory research.

3.9 SURFACE CONDITIONS

No significant areas of staining or other unusual surface conditions were observed during the site reconnaissance.\

3.10 STRESSED VEGETATION

No disfigured, discolored, dying, or otherwise stressed vegetation was observed on-site during the site reconnaissance.

3.11 PRIOR OR CURRENT AGRICULTURAL LAND USE

The site reconnaissance, historical, and/or regulatory research conducted for this assessment indicates that the site has not been used for agricultural purposes in the past.

3.12 OTHER ENVIRONMENTAL CONDITIONS

No evidence of further environmental conditions and/or impairments was observed during the site reconnaissance, beyond that evidence that has already been noted in Section 1.0.

3.13 VISUAL OBSERVATIONS, ADJOINING SITES

During the site reconnaissance, the *Enviro Geodetics, PLLC.* field assessor also visually inspected the use of those properties which immediately adjoin the subject property. No visual evidence of environmental concerns were observed.

SECTION 4.0

REVIEW OF HISTORICAL INFORMATION AND REGULATORY AGENCY RECORDS

4.1 HISTORICAL AERIAL PHOTOGRAPH AND U.S.G.S. TOPOGRAPHIC MAP REVIEW

Enviro Geodetics, PLLC. reviewed readily available and reasonably ascertainable aerial photographs and U.S.G.S. topographic maps of the area of the subject site. (A copy of a U.S.G.S. map, if available, has been included as Figure 1.) These aerial photographs and maps may have been obtained from *Enviro Geodetics, PLLC.*'s library and/or another source (all sources identified in Appendix B). Each aerial photograph was reviewed for the subject property and, where applicable, adjacent property use. In addition, each photograph was reviewed to identify the presence of areas of dumping, staining, buildings, and/or aboveground storage tanks.

Aerial photographs for the years 2020, 2018, 2014, 2010, 2007, 2004, 2003, 2000, 1992, 1953, and 1937 were available for our review. U.S.G.S. topographic maps for the year 1956 with photo revisions made in 1982 were reviewed. No recognized environmental conditions, *de minimis* conditions, historical or controlled recognized environmental conditions were identified in the documents.

4.2 HISTORICAL MAP REVIEW

Enviro Geodetics, PLLC. search for readily available historical maps, including fire insurance maps, with coverage of the subject site and vicinity. None were found other than those present in this report.

4.3 HISTORICAL CITY OR STREET DIRECTORY REVIEW

Not Applicable

4.4 AGENCY CONTACTS (RECORDS SEARCH)

4.4.1 Building Department Records

Not Applicable

4.4.2 Fire Department Records

Not Applicable

4.4.3 Health or Environmental Agency Records

Not Applicable

4.4.4 Sanitation Agency Records

Not Applicable

4.4.5 Water Quality Agency Records

Enviro Geodetics, PLLC. reviewed the on-line records of the Arizona Department of Environmental Quality (ADEQ) for the purpose of determining if past and present businesses at the subject site are listed on regulatory lists (such as leaking underground tank lists, site cleanup lists, etc.). However, no documents of record for the subject site are available. The following databases were researched:

Drywell Database
Underground Storage/LUST Database
Waste Programs Database
Hazardous Waste (Accounts) Database Results
Hazardous Waste (Manifests) Database Results
Special Waste (Manifests) Database
Water Quality (Applications) Database
Water Quality (Permits) Databases
Waste Water Facilities Database
Water Quality Monitoring Database
State Assurance Fund Database
Solid Waste Database
Solid Waste Facilities Database
Solid Waste Programs Database
Surface Water Database
Air Permits Compliance Database
Superfund Remediation Database
Voluntary Remediation Database

No records relevant to the subject site were found.

4.4.6 Oil and Gas Agency Records or Maps

Not Applicable

4.4.7 Pipeline Agency Records or Maps

Not Applicable

4.4.8 Other Pertinent Records/File Reviews

There are no additional regulatory agencies known to **Enviro Geodetics, PLLC.** that are likely to have further relevant environmental information pertaining to the subject site. No agency file reviews were conducted for the subject site or the adjacent sites for this investigation.

4.5 REVIEW OF ERS RECCEK REPORT

The **Enviro Geodetics, PLLC.** review of the ERS RecCheck Report, (the ERS RecCheck Report is included in Appendix D) found the subject site is not a regulatory-listed site. The ERS RecCheck Report occurrence summary table below identifies the number of sites listed in each database included in the ERS RecCheck Report. No sites of environmental concern to the subject site were identified.

ERS RECCEK REPORT OCCURRENCE SUMMARY

FEDERAL ASTM/AAI DATABASES							
LIST SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125	1.25	1.5	2	TOTAL
BF-Tribal-US	1.5	0	0	0	0	-	0
BF-US	1.5	0	0	0	0	-	0
CERCLIS-Archived-US	1.5	0	0	0	0	-	0
CERCLIS-US	1.5	0	0	0	0	-	0
Controls-RCRA-US	1.5	0	0	0	0	-	0
Controls-US	1.5	0	0	0	0	-	0
Debris-US	1.5	0	0	0	0	-	0
Delisted-NPL-US	2	0	0	0	0	0	0
ERNS-US	1.0625	0	0	-	-	-	0
FEMA-UST-US	1.25	0	0	0	-	-	0
FTTS-ENF-US	1.25	0	0	0	-	-	0
Hist-Dumps-US	1.5	0	0	0	0	-	0
Hist-US-EC	1.5	0	0	0	0	-	0
Hist-US-IC	1.5	0	0	0	0	-	0
HMIS-US	1.0625	0	0	-	-	-	0
LIENS-US	1.0625	0	0	-	-	-	0
NPL-US	2	0	0	0	0	0	0
PADS-US	1.0625	0	0	-	-	-	0
PCB-US	1.25	0	0	0	-	-	0
Proposed-NPL-US	2	0	0	0	0	0	0

FEDERAL ASTM/AAI DATABASES							
LIST SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125	1.25	1.5	2	TOTAL
RCRA-CESQG-US	1.25	0	0	0	-	-	0
RCRA-COR-US	2	0	0	0	0	0	0
RCRA-LQG-US	1.25	0	0	0	-	-	0
RCRA-NON-US	1.25	0	0	0	-	-	0
RCRA-SQG-US	1.25	0	0	0	-	-	0
RCRA-TSDF-US	1.5	0	0	0	0	-	0
SAA-Agreements-US	2	0	0	0	0	0	0
SWLF-US	1.5	0	0	0	0	-	0
Tribal-LUST-Closed-Reg4	1.5	0	0	0	0	-	0
Tribal-LUST-Closed-Reg9	1.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg10	1.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg4	1.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg9	1.5	0	0	0	0	-	0
Tribal-LUST-Reg1	1.5	0	0	0	0	-	0
Tribal-LUST-Reg7	1.5	0	0	0	0	-	0
Tribal-ODI-US	1.5	0	0	0	0	-	0
Tribal-UST-Reg1	1.25	0	0	0	-	-	0
Tribal-UST-Reg10	1.25	0	0	0	-	-	0
Tribal-UST-Reg4	1.25	0	0	0	-	-	0
Tribal-UST-Reg7	1.25	0	0	0	-	-	0
Tribal-UST-Reg9	1.25	0	0	0	-	-	0
Tribal-VCP-US	1.5	0	0	0	0	-	0

STATE ASTM/AAI DATABASES							
LIST SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125	1.25	1.5	2	TOTAL
ASPL-AZ	1.5	0	0	0	0	-	0
AST2-AZ	1.25	0	0	0	-	-	0

STATE ASTM/AAI DATABASES							
LIST SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125	1.25	1.5	2	TOTAL
AST-AZ	1.25	0	0	0	-	-	0
BF-Closed-AZ	1.5	0	0	0	0	-	0
BF-Open-AZ	1.5	0	0	0	0	-	0
Controls-AZ	1.5	0	0	0	0	-	0
Hist-SPILLS-AZ	1.0625	0	0	-	-	-	0
Hist-SS-AZ	1.5	0	0	0	0	-	0
LUST-Closed-AZ	1.5	0	0	0	1	-	1
LUST-Open-AZ	1.5	0	0	0	0	-	0
LUST-Suspected-AZ	1.5	0	0	0	0	-	0
Oil-Centers-AZ	1.5	0	0	0	0	-	0
RemOther-Closed-AZ	1.5	0	0	0	0	-	0
RemOther-Open-AZ	1.5	0	0	0	0	-	0
SWF-AZ	1.5	0	0	0	0	-	0
SWF-Closed-AZ	1.5	0	0	0	0	-	0
Transfer-AZ	1.5	0	0	0	0	-	0
UST-AZ	1.25	0	0	0	-	-	0
VCP-Closed-AZ	1.5	0	0	0	0	-	0
VCP-Open-AZ	1.5	0	0	0	0	-	0
VCP-Other-AZ	1.5	0	0	0	0	-	0

SUPPLEMENTAL DATABASES							
LIST SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125	1.25	1.5	2	TOTAL
Not Searched							

PROPRIETARY HISTORIC DATABASES							
LIST SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125	1.25	1.5	2	TOTAL
Not Searched							

The following table identifies, the subject site, adjacent sites, and sites that are either a recognized environmental condition, a de minimis environmental condition, a historical or controlled recognized environmental condition.

ERS RECCEK REPORT SITES OF POTENTIAL CONCERN

Map #	Site ID and Name	Site Address	Database	Status	Distance from Site	Concern
1	22 FAA APACHE JUNCTION RML		LUST- Closed- AZ	Closed	1.43 miles NW	None

Note: Map Location #s match the Map ID numbers of the sites used in the document located in Appendix D. Listings of unmapped sites were reviewed to identify the subject site or any sites that are obviously adjacent to the subject property. Other unmapped sites are listed only in Appendix D.

4.6 CHAIN-OF-TITLE ABSTRACT AND/OR REVIEW

A chain-of-title abstract was not requested or completed for this project.

4.7 ADDITIONAL ENVIRONMENTAL DOCUMENTS

In the course of this assessment, *Enviro Geodetics, PLLC.* was not provided with any additional environmental documents for review regarding the environmental condition of the subject site by the client or the client's representatives.

4.8 HISTORICAL SITE USE

The subject site has been and continues to be undeveloped vacant land.

4.9 IDENTIFICATION OF HISTORICAL DATA GAPS

During the course of this assessment, *Enviro Geodetics, PLLC.* did not identify any data gaps within the chain of historic documents regarding the environmental condition of the subject site.

4.10 REVIEW OF TITLE AND/OR JUDICIAL RECORDS FOR ENVIRONMENTAL LIENS OR ACTIVITY AND LAND USE LIMITATIONS (E.G., ENGINEERING AND INSTITUTIONAL CONTROLS)

Not Applicable

SECTION 5.0

INTERVIEWS

5.1 INTERVIEWS WITH OWNER, PROPERTY MANAGER, USER, AND OTHERS

As part of the Phase I Assessment, *Enviro Geodetics, PLLC.* attempts to interview various individuals who may have knowledge of different aspects of the subject site as it pertains to environmental conditions. The comments of the interviewees are noted by the *Enviro Geodetics, PLLC.* interviewer on Interview Note Forms, which are included in Appendix C. The following table summarizes the relevant portions of these notes.

SUMMARY OF INTERVIEWS

ID #	Date of Interview	Name of Interviewee	Title	Relevant Discussions	Concerns
1	June 23, 2022	Nina Johnson Turquoise Valley LLC2 480 E Honeysuckle Pl Chandler AZ 85286	Owner	Septic Tanks Absorption Fields	See Section 1.1
2	June 23, 2022	Fred Dell'Arni GW Associates	Owner	Septic Tanks and Groundwater Wells	See Section 1.1

5.2 PURCHASE PRICE VERSUS FAIR MARKET VALUE INTERVIEW

Not germane to this investigation.

SECTION 6.0

CONCLUSIONS AND RECOMMENDATIONS

6.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

This section contains full descriptions of any recognized environmental conditions (REC) that have been identified as a result of the *Enviro Geodetics, PLLC.* Phase I Environmental Site Assessment for the subject site. *Enviro Geodetics, PLLC.* classifies a condition as a REC (as opposed to a *de minimis* condition) when it is one that involves a condition for which, in the opinion of *Enviro Geodetics, PLLC.*, further investigation and/or remediation is recommended. In addition to the descriptions of condition, this section also contains a statement of the recommended next-step actions for any conditions that are described in the following tables.

Each identified condition receives its own table, and that table will collect together the particular findings from the body of the report that have been used to support *Enviro Geodetics, PLLC.*'s conclusion as to the presence of a recognized environmental condition. For the benefit of the reader, the tables also contain the section numbers of the findings cited in support of the condition.

CONDITION # 1		IDENTIFIED CONDITION APPEARS TO BE A RECOGNIZED ENVIRONMENTAL CONDITION REQUIRING FURTHER INVESTIGATION
LOCATION: NONE		
SECTION #	COMMENTS	
Entire Site	The reader is direct to Section 1.1	
DESCRIPTION OF CONDITION: Virtually all rocks and soil contain uranium, which undergoes radioactive decay to hazardous radon gas.		
ACTION SUGGESTED: Given the possible liability associated with this potential condition, a survey of surface radon emissions followed up with indoor radon measurements is recommended.		

[†]Note: The estimated cost to complete the next-step action is based on *Enviro Geodetics, PLLC.*'s professional opinion as based on our experience with similar problems under similar circumstances. The estimated cost given above is only meant to give the client a *ballpark* estimate, not an exact dollar figure for the cost to complete the next-step action. This cost could easily vary by +/- 30% or greater. In many cases and when requested, *Enviro Geodetics, PLLC.* can assist the client by providing a fixed cost quote.

6.2 DE MINIMIS CONDITION, HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITIONS, AND CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITIONS

This section contains descriptions of de minimis conditions, historical RECs, or controlled RECs that have been identified in the *Enviro Geodetics, PLLC.* Phase I Environmental Site Assessment for the

subject site. **Enviro Geodetics, PLLC.** classifies an issue as a *de minimis* condition (as opposed to a REC) when (1) it involves issues that appear to pose no immediate or imminent threat to the subject site, but which over time (with the occurrence of groundwater movement, demolition, disturbance, etc.) may come to pose an actual or present REC for the subject site and/or when (2) it involves areas that currently appear to have a negligible impact on the subject property and which do not, therefore, require additional investigation at this time, but of which **Enviro Geodetics, PLLC.** feels the client should be made aware. **Enviro Geodetics, PLLC.** classifies a historical recognized environmental condition (HREC) as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. An HREC is limited to include only past releases that have been addressed to unrestricted residential use. **Enviro Geodetics, PLLC.** classifies a controlled recognized environmental condition (CREC) as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable agency, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

Each identified condition receives its own table, and that table will collect together the particular findings from the body of the report that have been used to support **Enviro Geodetics, PLLC.**'s conclusion as to the presence of that condition. For the benefit of the reader, the table also contains the section numbers of the findings cited in support of the condition.

CONDITION # 2		IDENTIFIED CONDITION APPEARS TO BE A [DE MINIMIS CONDITION / HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITION/ CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITION]
LOCATION: NONE		
SECTION #	COMMENTS	
DESCRIPTION OF CONDITION: NONE		
ACTION SUGGESTED: NONE		

SECTION 7.0

LIMITATIONS

To achieve the study objectives stated in this report, we were required to base *Enviro Geodetics, PLLC.*'s conclusions and recommendations on the best information available during the period the investigation was conducted and within the limits prescribed by *Enviro Geodetics, PLLC.*'s client in the contract/authorization agreement and standard terms and conditions.

Enviro Geodetics, PLLC.'s professional services were performed using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar fields. The findings were mainly based upon examination of historic records, maps, aerial photographs, and governmental agencies lists. The hazardous waste site lists represented in this report represent only a search of the specific government records as listed above. It should be noted that governmental agencies often do not list all sites with environmental contamination; the lists could be inaccurate and/or incomplete. Recommendations are based on the historic land use of the subject property, as well as features noted during the site walk and examined records. The absence of potential gross contamination sources, historic or present, does not necessarily imply that the subject property is free of any contamination. This report only represents a "due diligence" effort as to the integrity of the subject property. No warranty or guarantee, expressed or implied, is made as to the professional conclusions or recommendations contained in this report. The limitations contained within this report supersede all other contracts or scopes of work, implied or otherwise, except those stated or acknowledged herewith.

This report is not a legal opinion. It does not necessarily comply with requirements defined in any environmental law such as the "innocent landowner defense" or "due diligence inquiry." Only legal counsel retained by the client is competent to determine the legal implications of any information, conclusions, or recommendations in this report. The compliance status, discussed in Section 3.0, is not intended for use as a guide to compliance for the present owner. Its intended use is to identify environmental impairments to the subject property and is not to be used as a guide to the legal compliance to any regulations of any kind.

The findings, conclusions, recommendations, and professional opinions contained in this report have been prepared by the staff of *Enviro Geodetics, PLLC.*, in accordance with generally accepted professional practices. All cost estimates in Section 6.0, are purely estimates only, and may not represent the actual costs. Without further investigative assessment, exact, actual costs cannot be fixed. The costs associated with *Enviro Geodetics, PLLC.*'s recommendations are for budgetary purposes only.

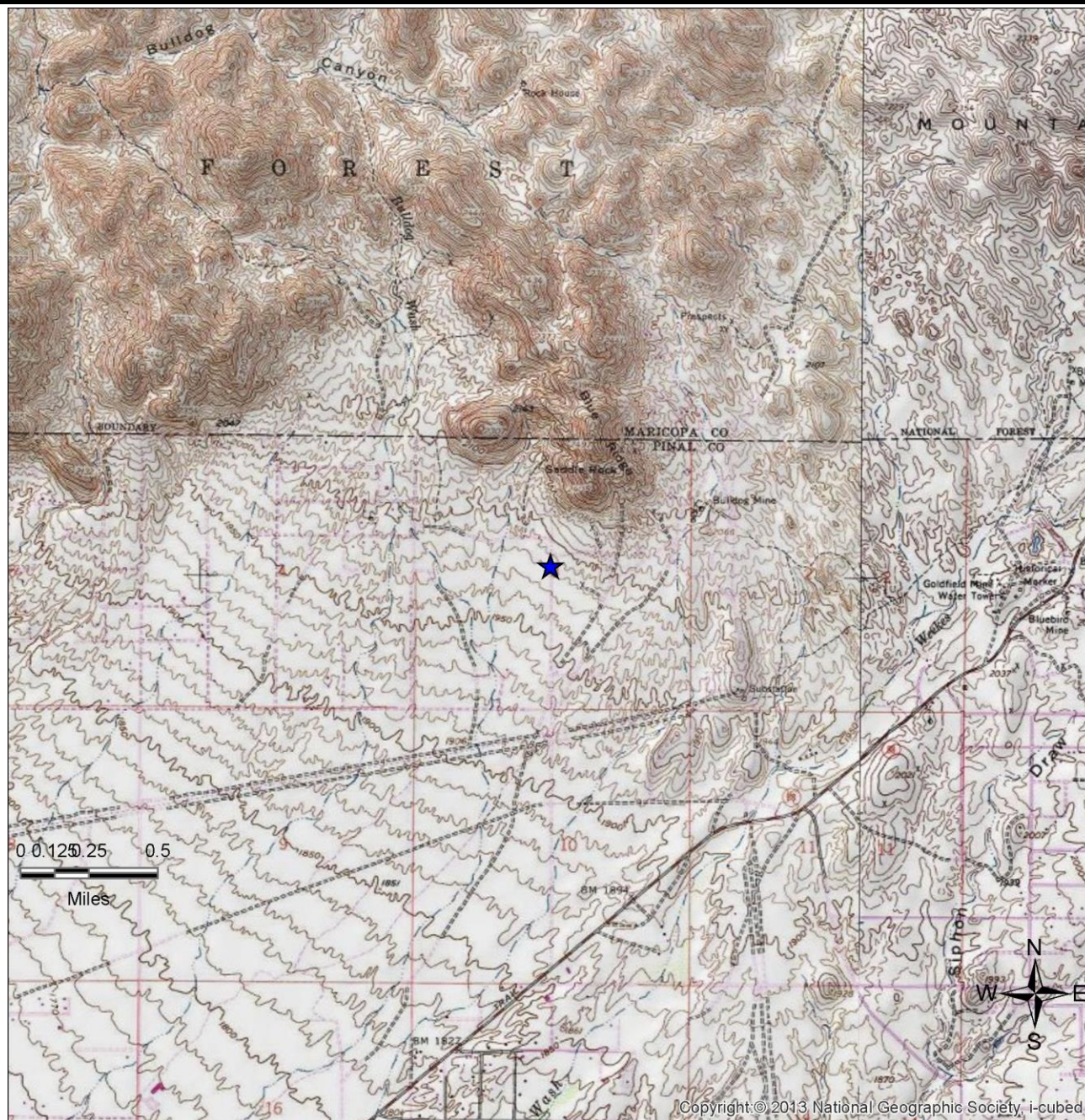
This report does not address, in any way, septic systems, leach fields, septic tanks, or related health hazards.

All asbestos, lead, or any other sampling is sampled in a good faith effort by *Enviro Geodetics, PLLC.* assessors. Sample results should not be construed as conclusive and binding in any way. All sampling conducted is only for the purposes of general screening and does not imply that all materials, locations, or hazardous materials have been identified nor was the sampling intended to identify every instance of the materials sampled. No interpretation of the sample results is made or implied. *Enviro Geodetics, PLLC.* only relays the information supplied by the laboratory conducting the analysis.

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SECTION 8.0

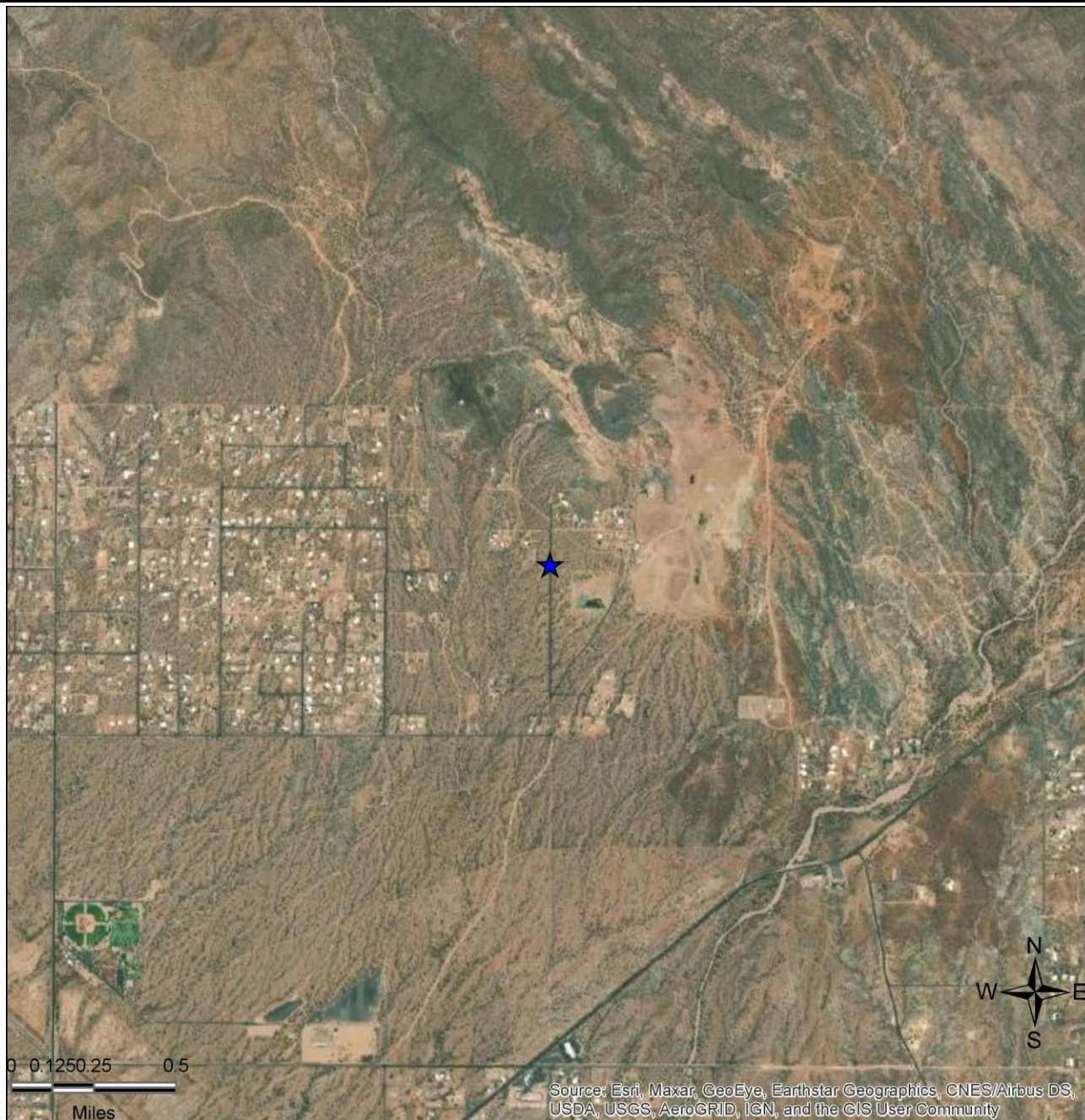
FIGURES



SITE LOCATION TOPOGRAPHIC MAP

U.S. Geological Survey. Apache Junction (Date Unavailable) Quadrangle, 7.5 Minute Series

Enviro Geodetics, PLLC.	Cortez Road Apache Junction, AZ 85119	FIGURE: 1 JOB: 51922 DATE: 7/7/2022
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SITE LOCATION MAP

Enviro Geodetics, PLLC.

Cortez Road
Apache Junction, AZ 85119

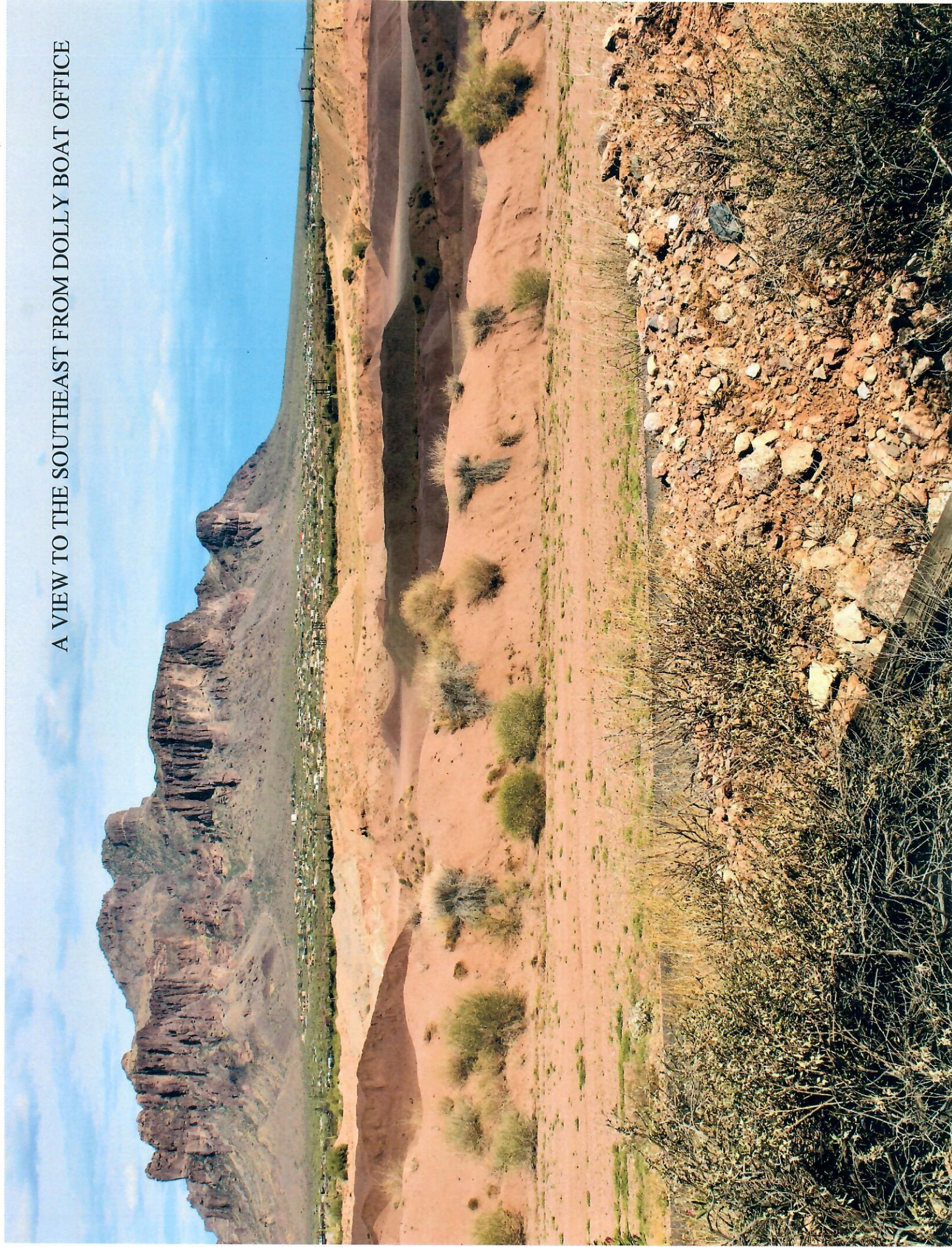
FIGURE: 2
JOB: 51922
DATE: 7/7/2022

SECTION 9.0

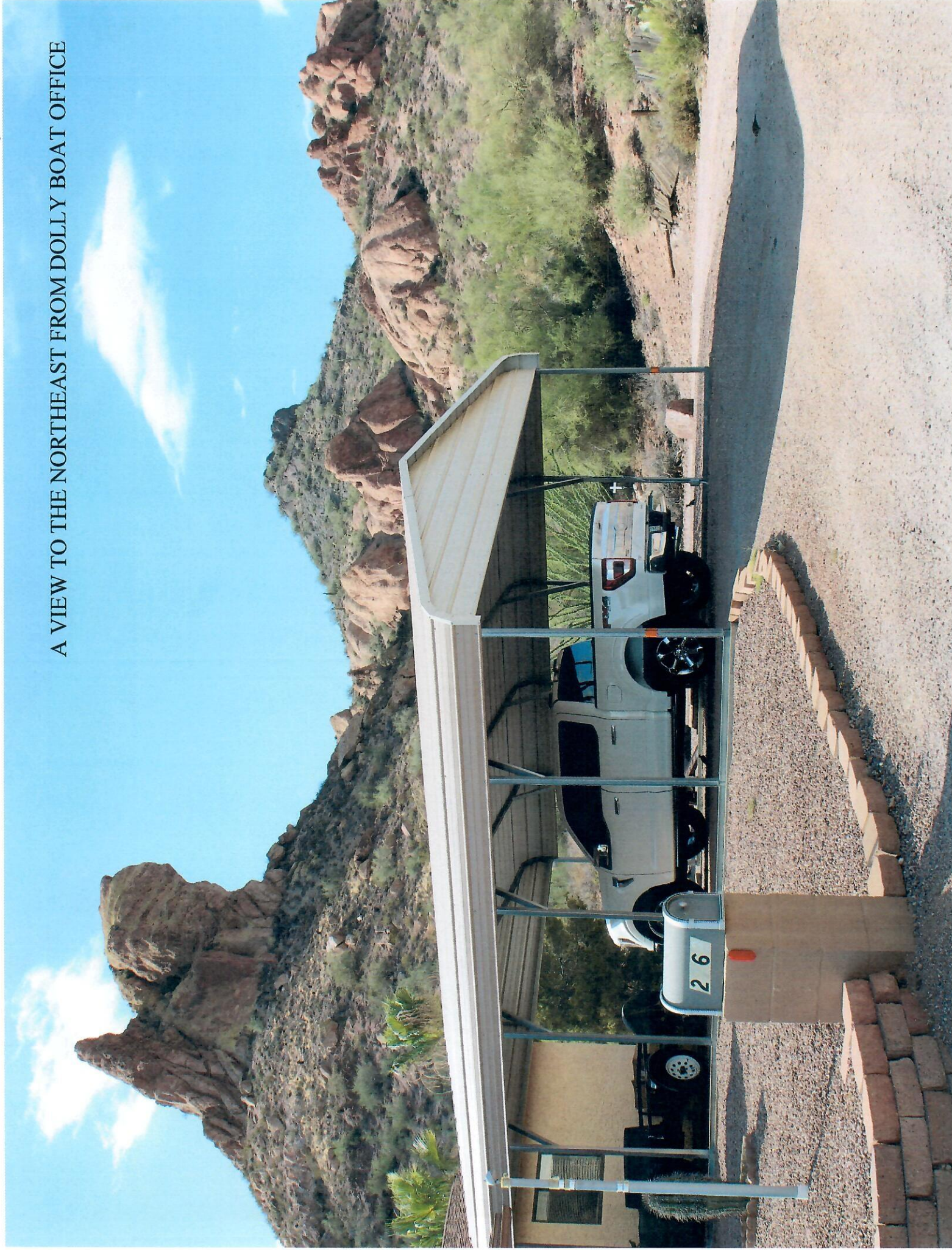
APPENDICES

APPENDIX A
SITE PHOTOGRAPHS

A VIEW TO THE SOUTHEAST FROM DOLLY BOAT OFFICE



1
A VIEW TO THE NORTHEAST FROM DOLLY BOAT OFFICE



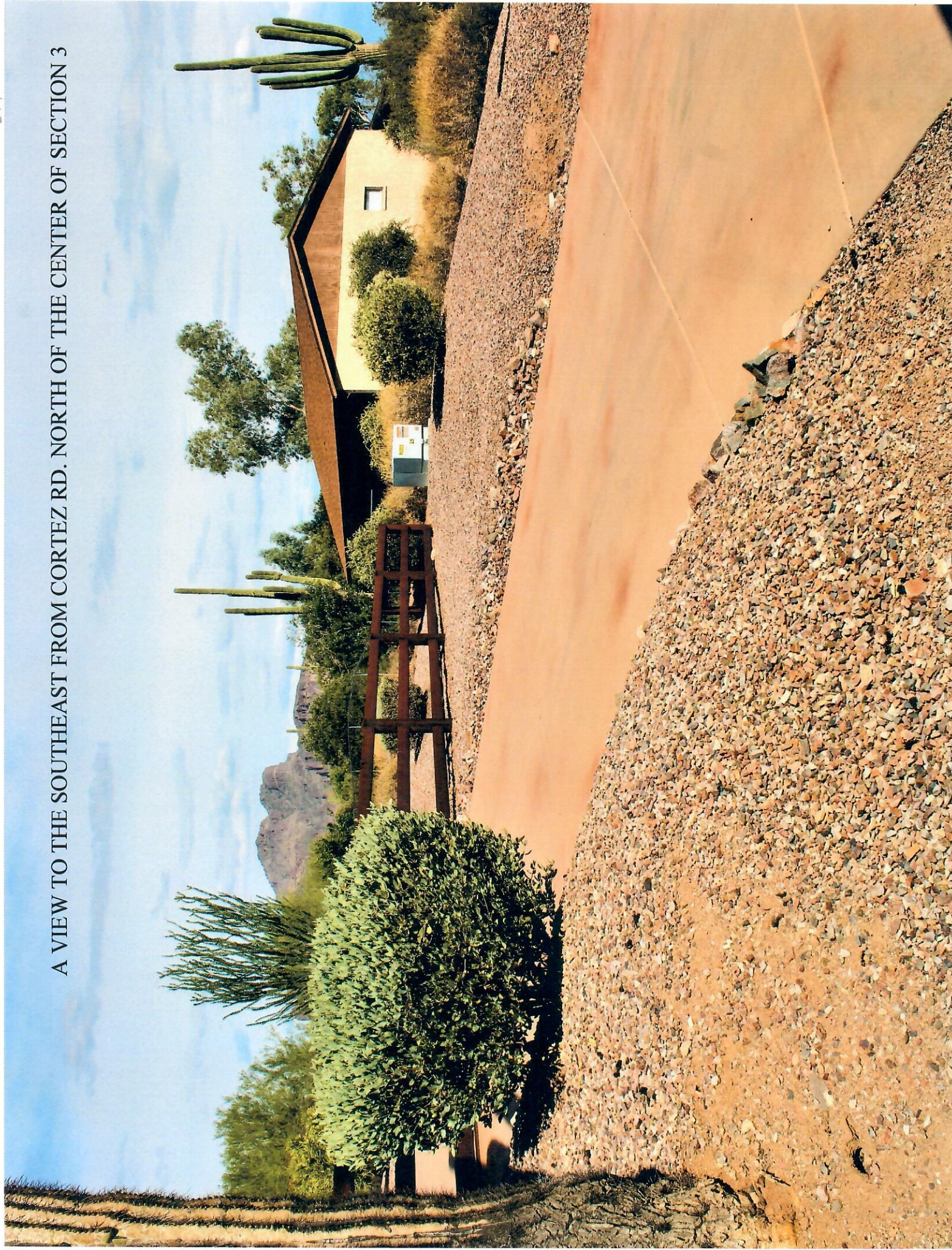
A VIEW A SMALL QUARRY WEST OF THE TREASURE CHEST MINING COIMPANY



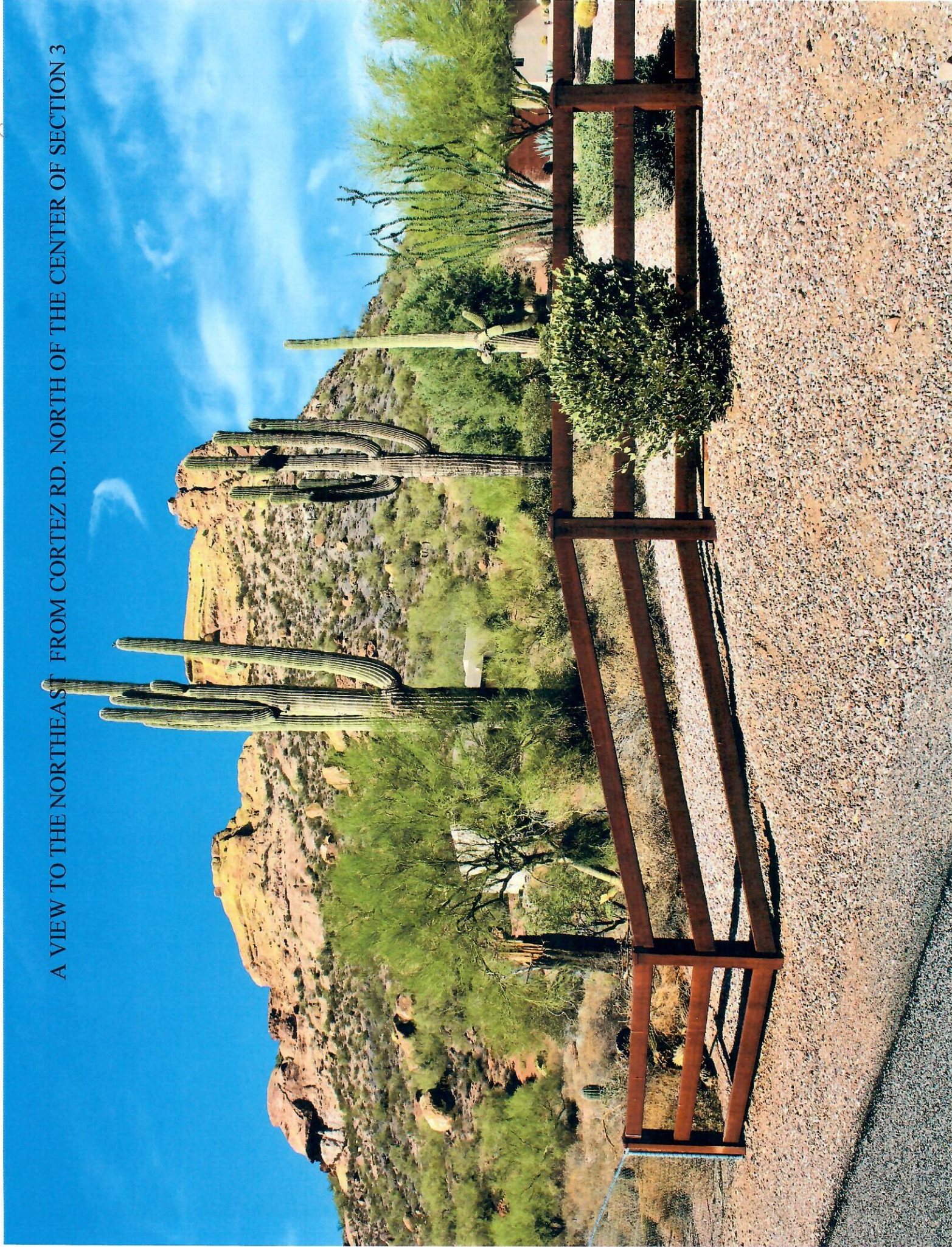
5
A VIEW A SMALL QUARRY WEST OF THE TREASURE CHEST MINING COIMPANY



A VIEW TO THE SOUTHEAST FROM CORTEZ RD. NORTH OF THE CENTER OF SECTION 3



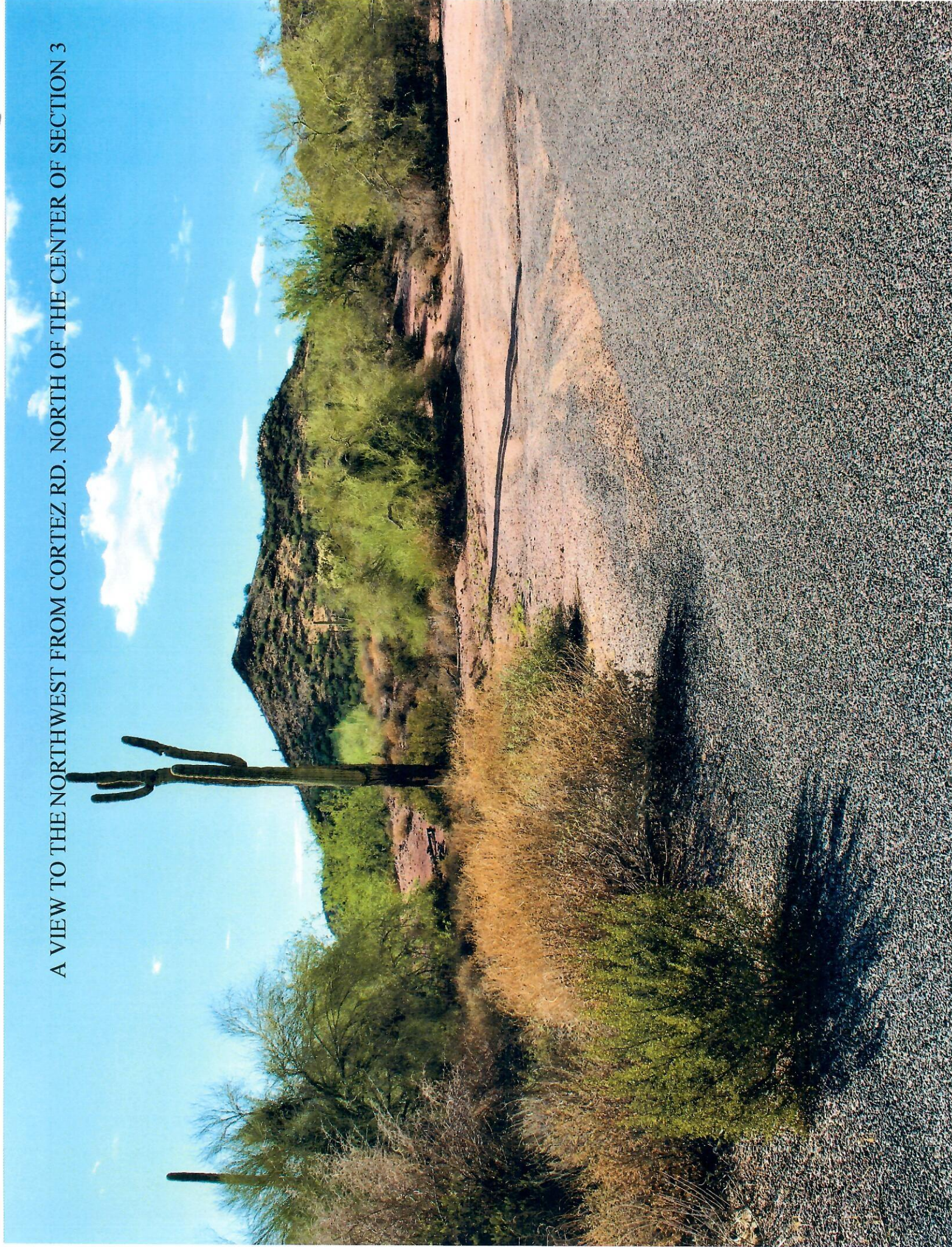
6
A VIEW TO THE NORTHEAST FROM CORTEZ RD. NORTH OF THE CENTER OF SECTION 3



7
A VIEW TO THE NORTHWEST FROM CORTEZ RD. NORTH OF THE CENTER OF SECTION 3



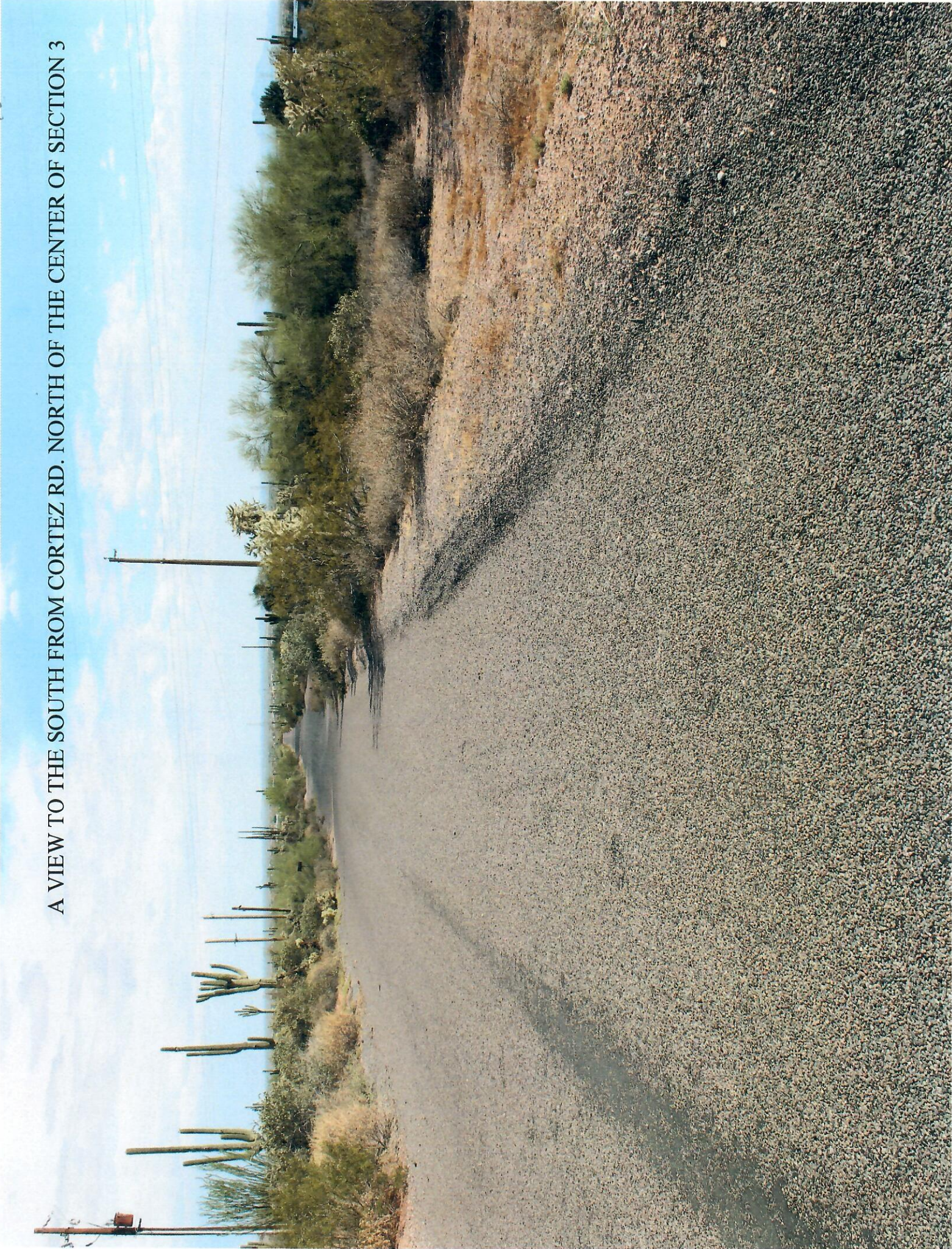
A VIEW TO THE NORTHWEST FROM CORTEZ RD. NORTH OF THE CENTER OF SECTION 3



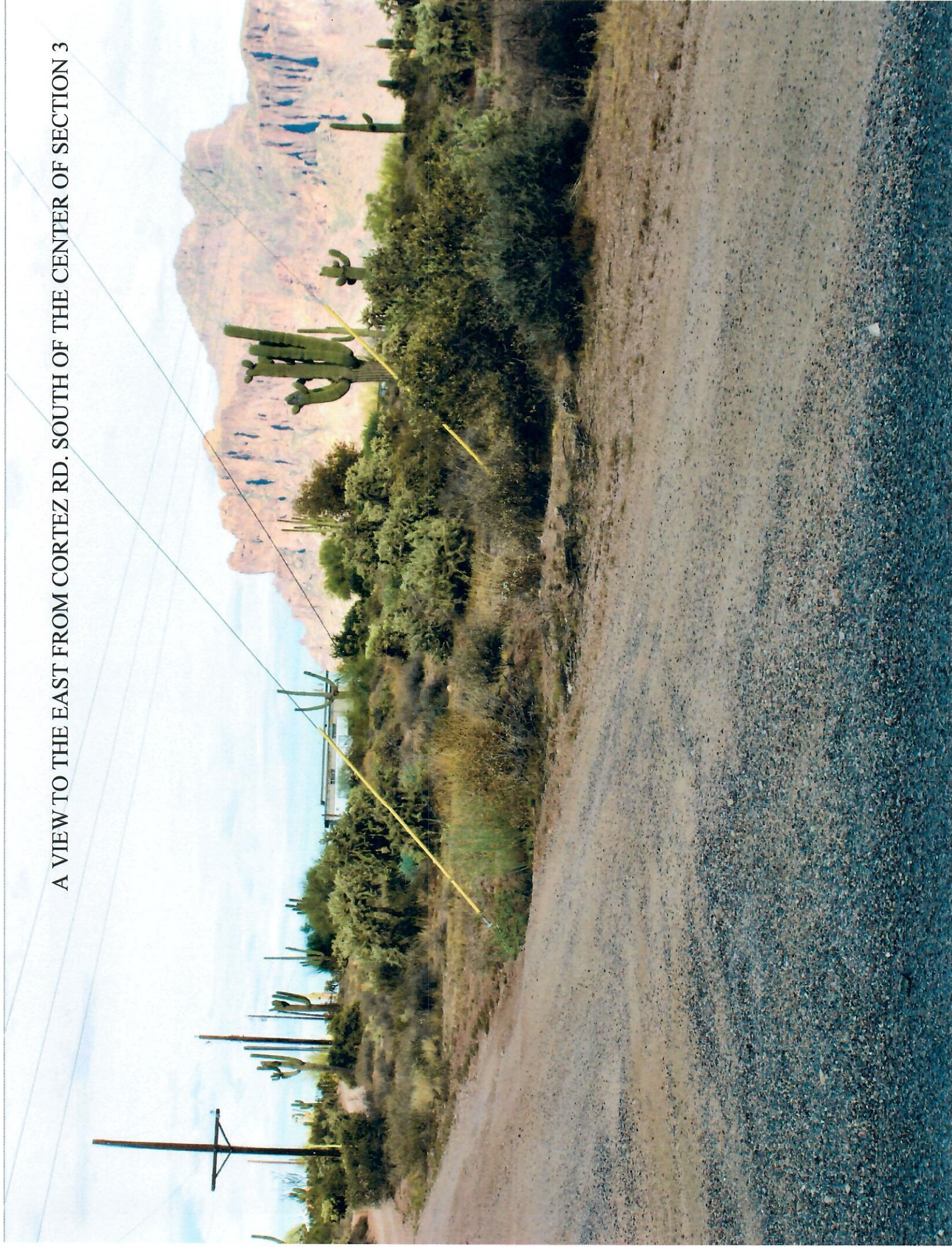
9
A VIEW TO THE WEST FROM CORTEZ RD. NORTH OF THE CENTER OF SECTION 3



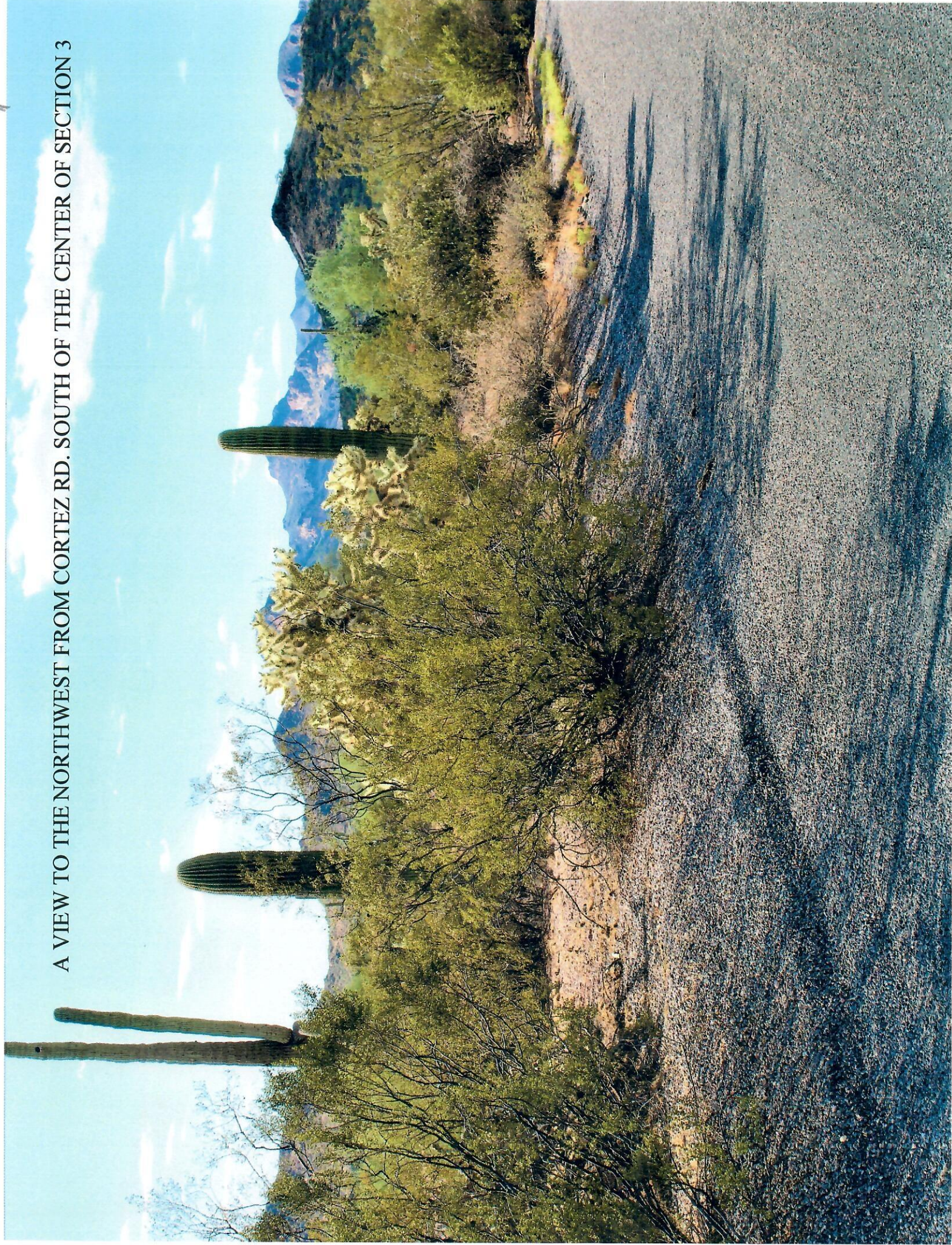
A VIEW TO THE SOUTH FROM CORTEZ RD. NORTH OF THE CENTER OF SECTION 3



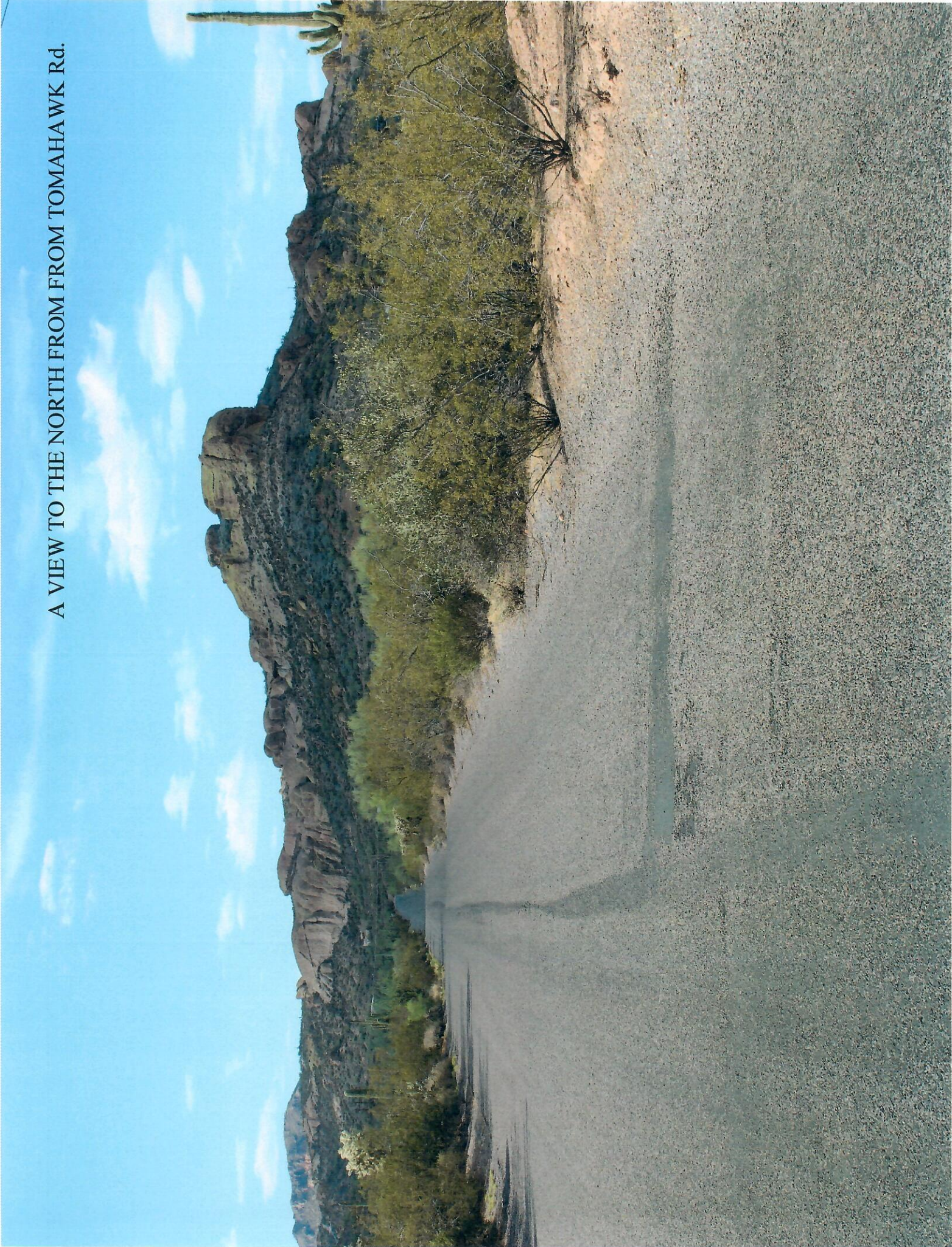
A VIEW TO THE EAST FROM CORTEZ RD. SOUTH OF THE CENTER OF SECTION 3



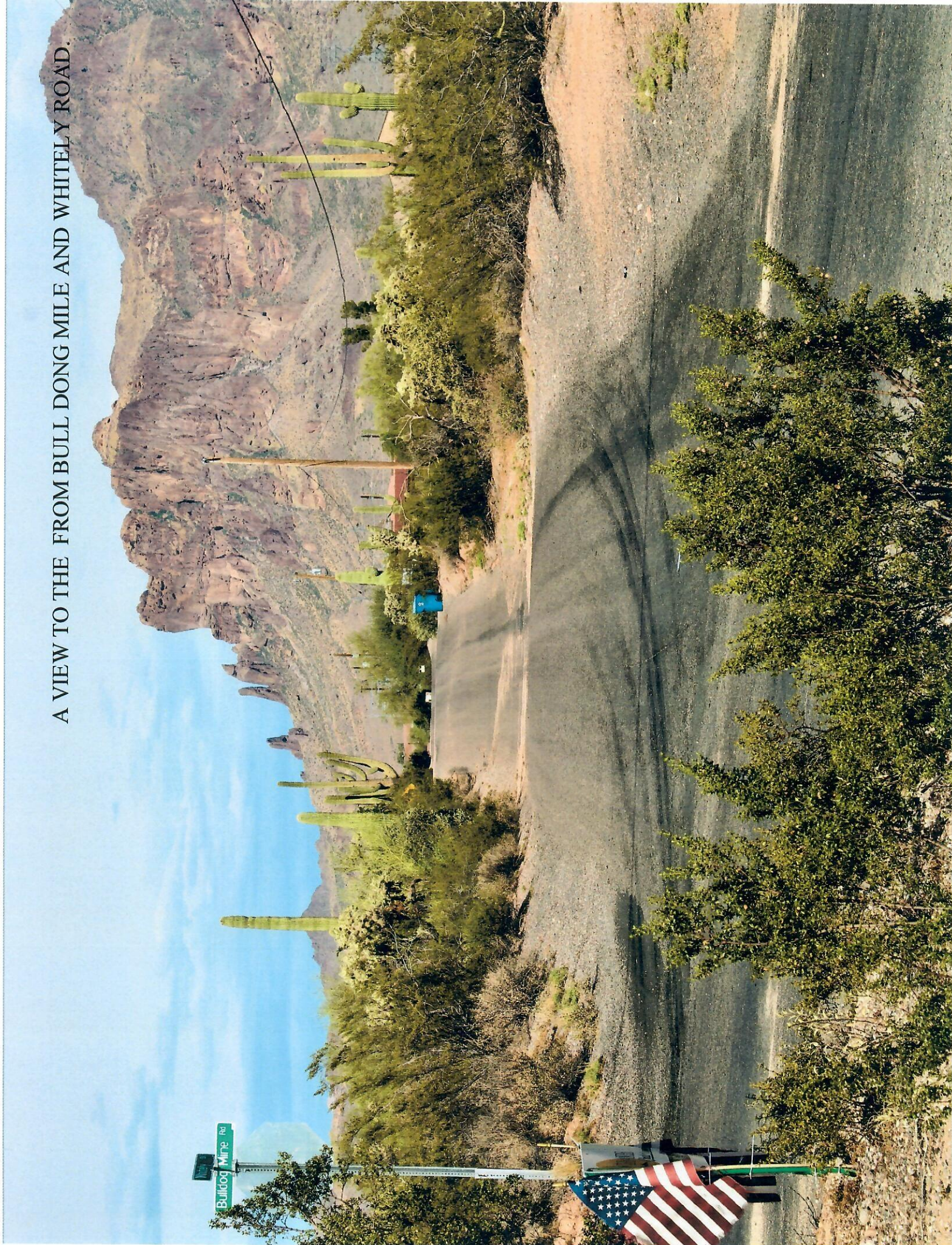
A VIEW TO THE NORTHWEST FROM CORTEZ RD. SOUTH OF THE CENTER OF SECTION 3



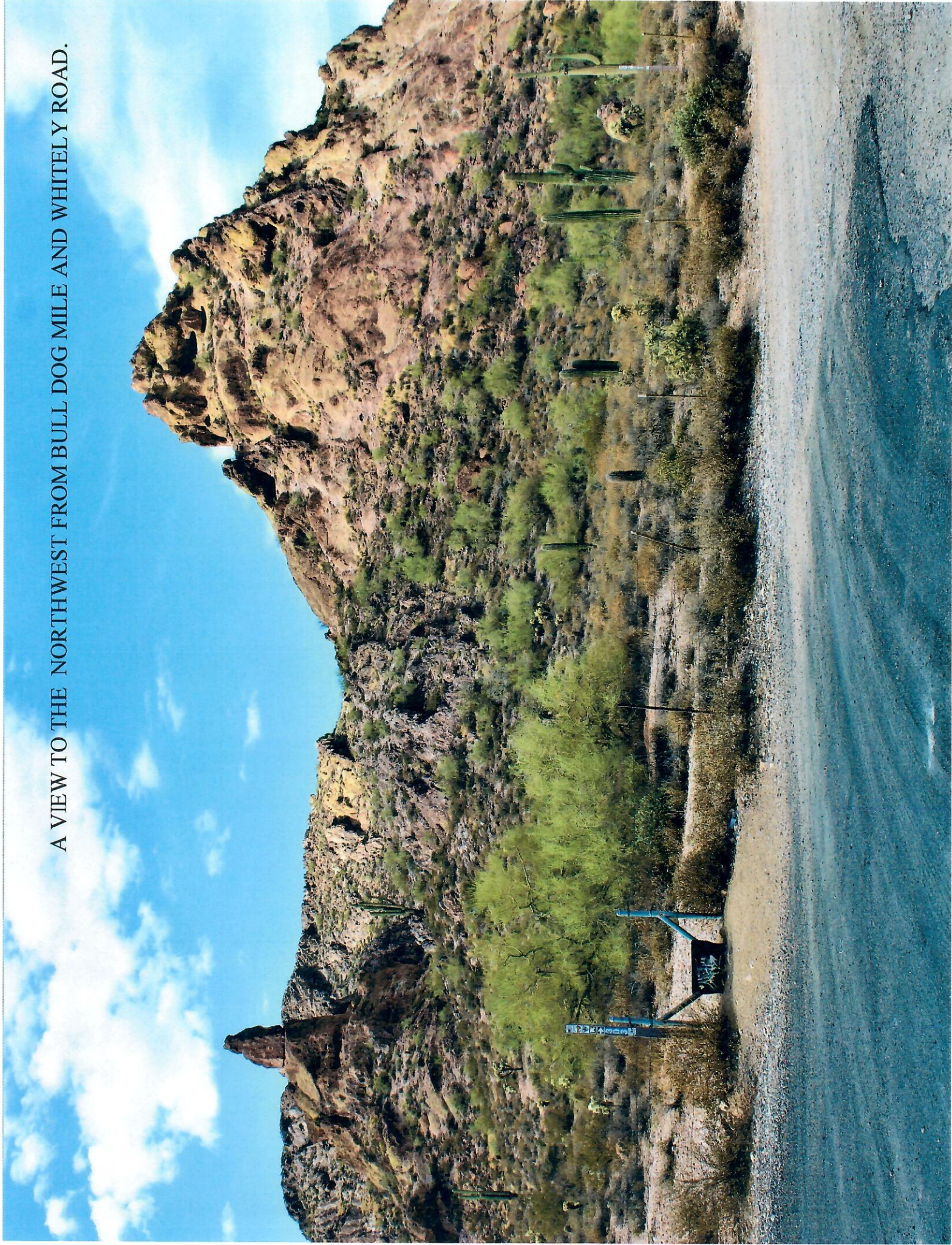
A VIEW TO THE NORTH FROM TOMAHAWK Rd.



A VIEW TO THE FROM BULL DONG MILE AND WHITELY ROAD.



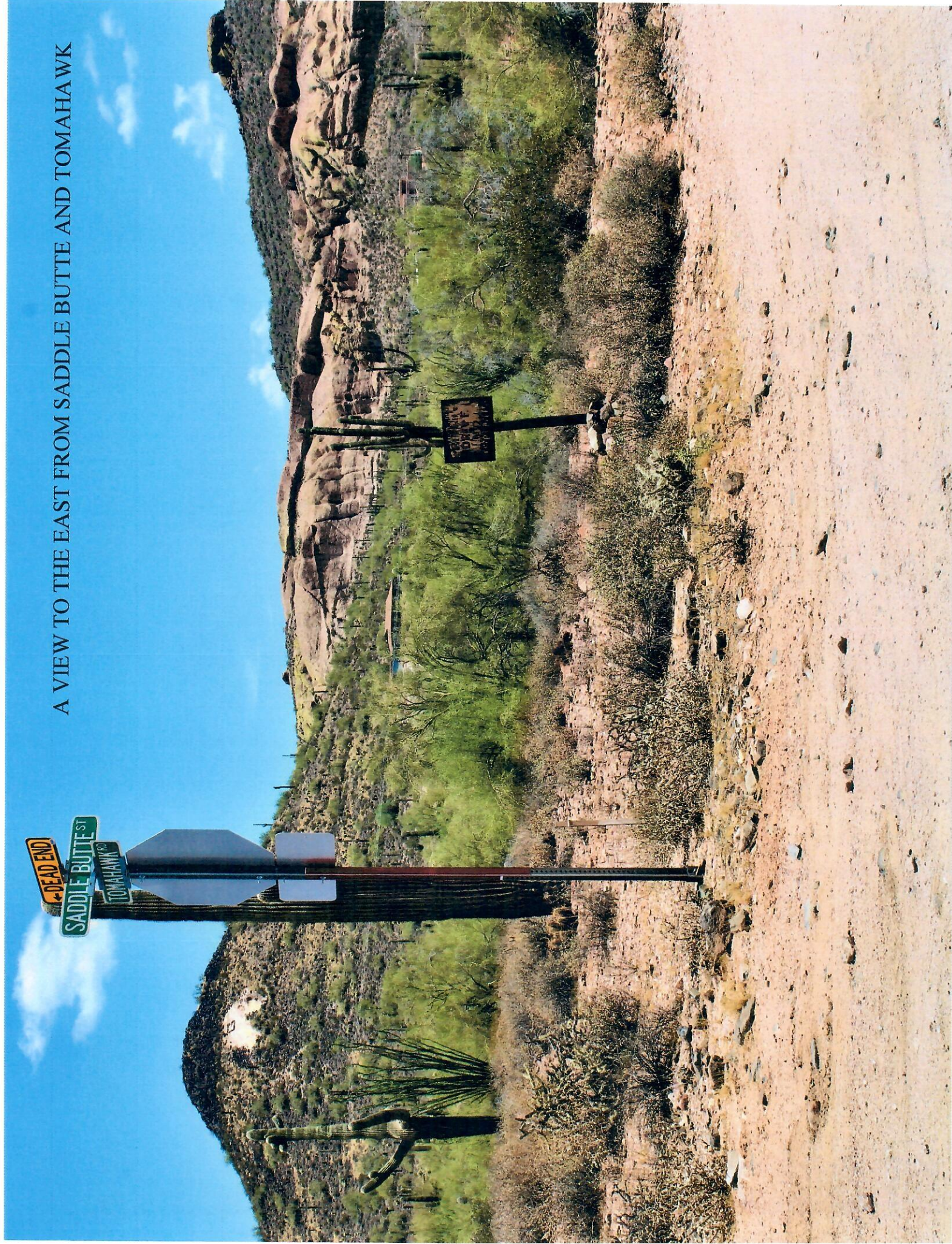
A VIEW TO THE NORTHWEST FROM BULL DOG MILE AND WHITELY ROAD.



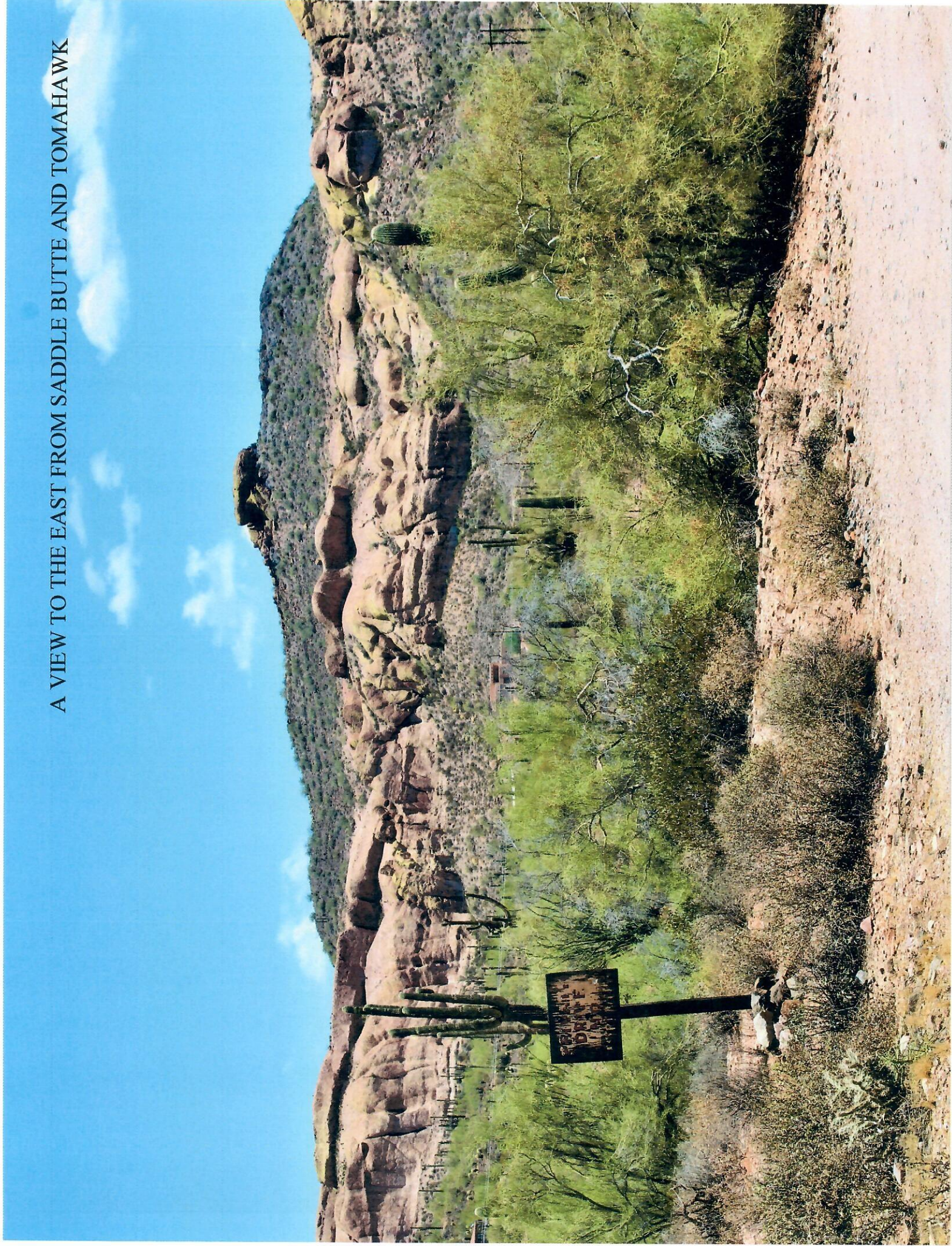
A VIEW TO THE NORTHEAST FROM SADDLE BUTTE AND TOMAHA WK



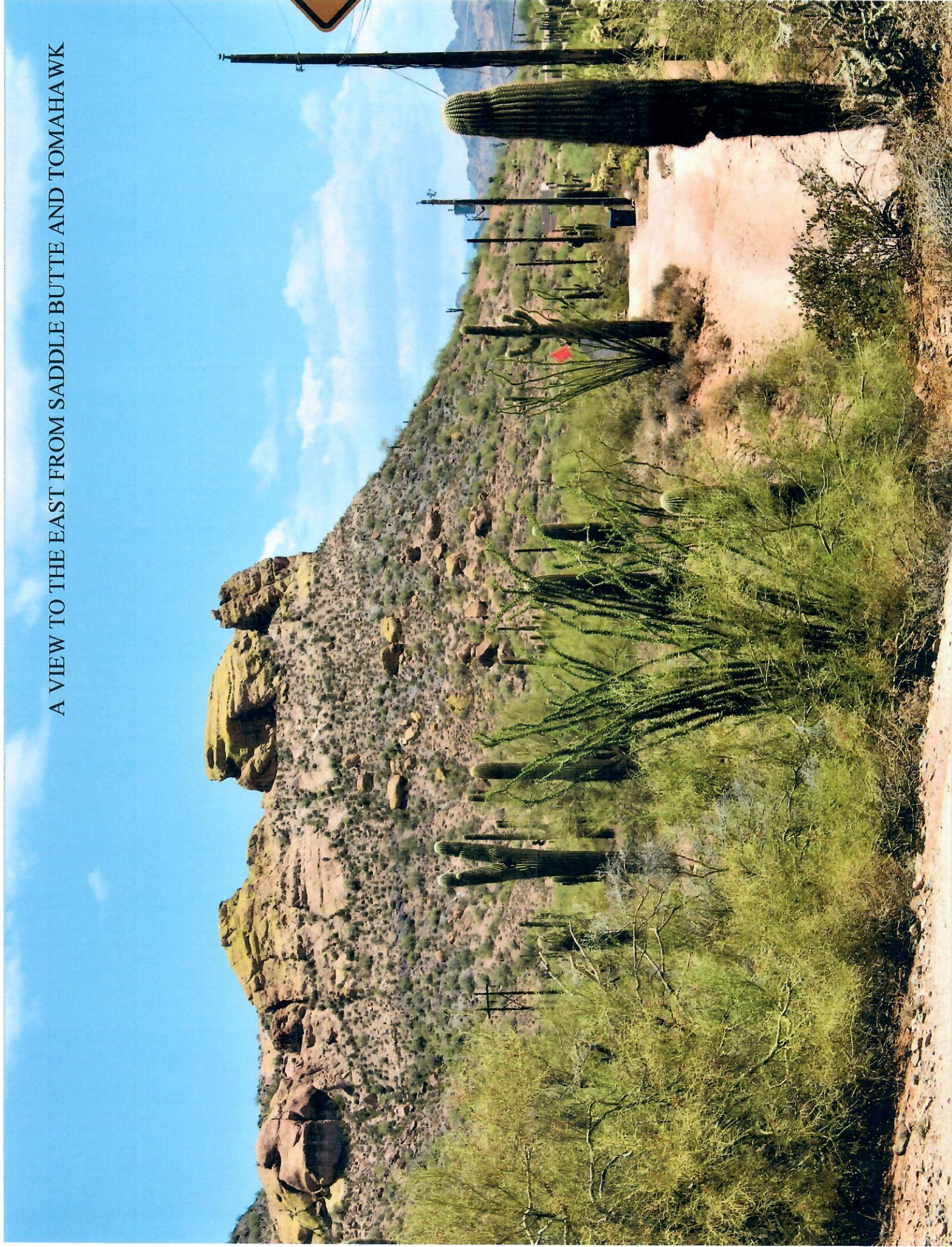
A VIEW TO THE EAST FROM SADDLE BUTTE BUTTE AND TOMAHAWK



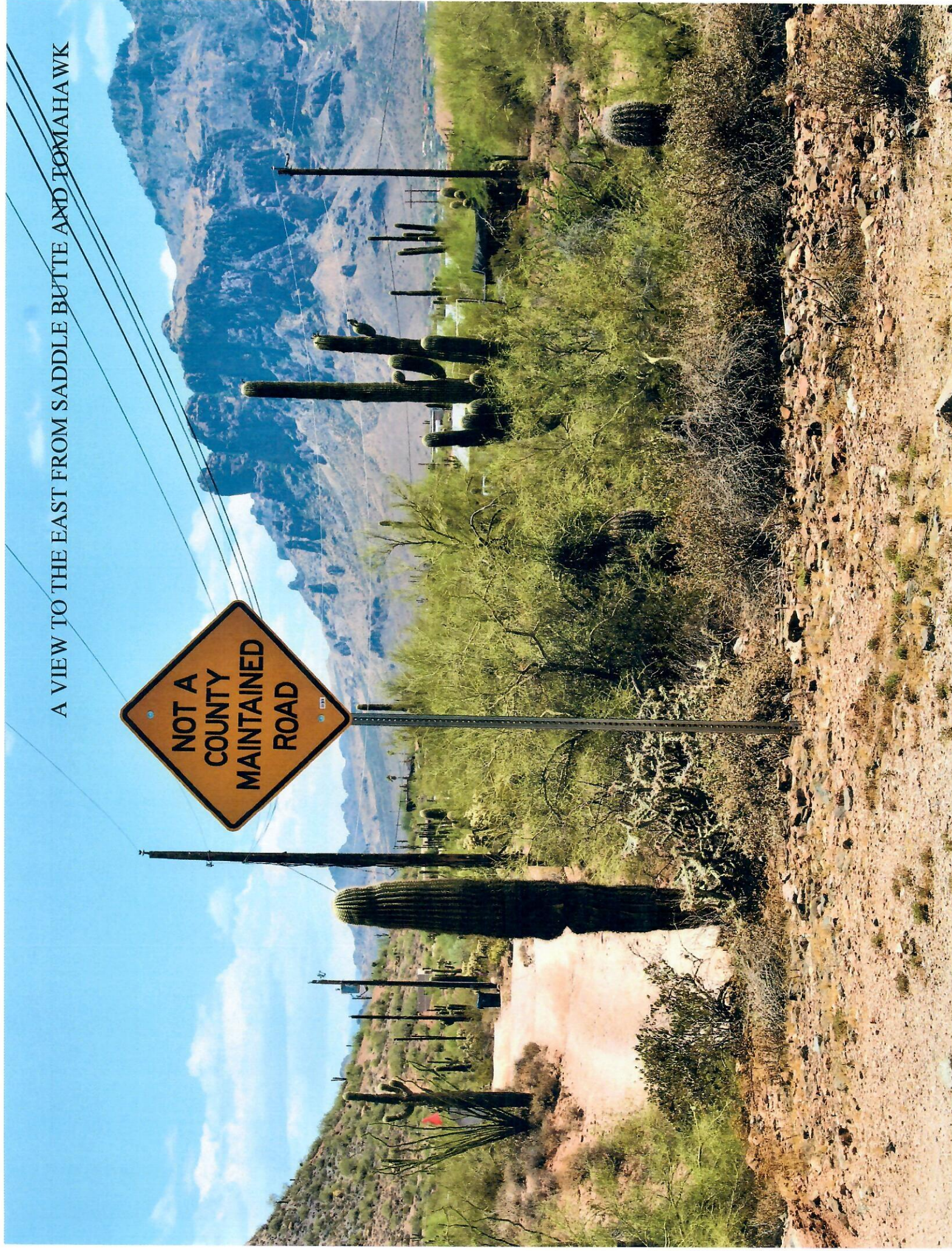
A VIEW TO THE EAST FROM SADDLE BUTTE AND TOMAHAWK



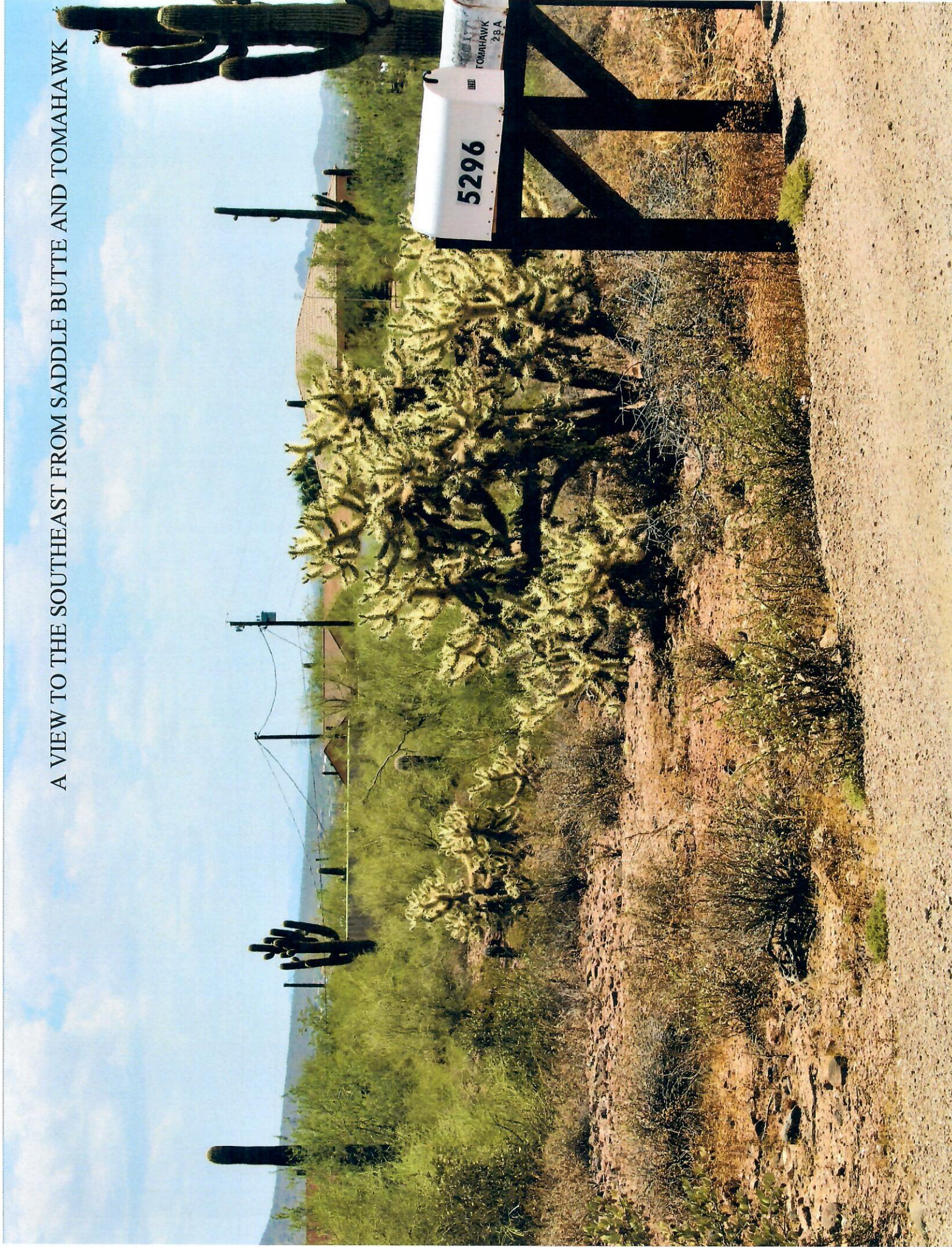
A VIEW TO THE EAST FROM SADDLE BUTTE AND TOMAHAWK



A VIEW TO THE EAST FROM SADDLE BUTTE AND TOMAHAWK



A VIEW TO THE SOUTHEAST FROM SADDLE BUTTE AND TOMAHAWK



APPENDIX B

AGENCY CONTACTS

Pinal County Assessor

Secured Property Information
Assessor's Map

Arizona Department of Environmental Quality

Underground Storage Tanks
Leaking Underground Storage Tanks
Hazardous Material Incident Logbook
Superfund and Water Quality Revolving Fund Sites
Declaration of Environmental Use Restrictions

Arizona Department of Water Resources

Depth to Groundwater and Groundwater Migration Direction
Registered wells (water, and groundwater monitoring)

National Resources Conservation Service

Soil Survey, Soil Descriptions
Soil Limitations – Buildings Without Basements

Second Look Flood

Floodplain Information
Flood Plain Map

Google Earth Collection of Historical Aerial Photographs

Historic Aerial Images

Maricopa County Collection of Historical Aerial Photographs

Historic Aerial Images

US Geological Survey

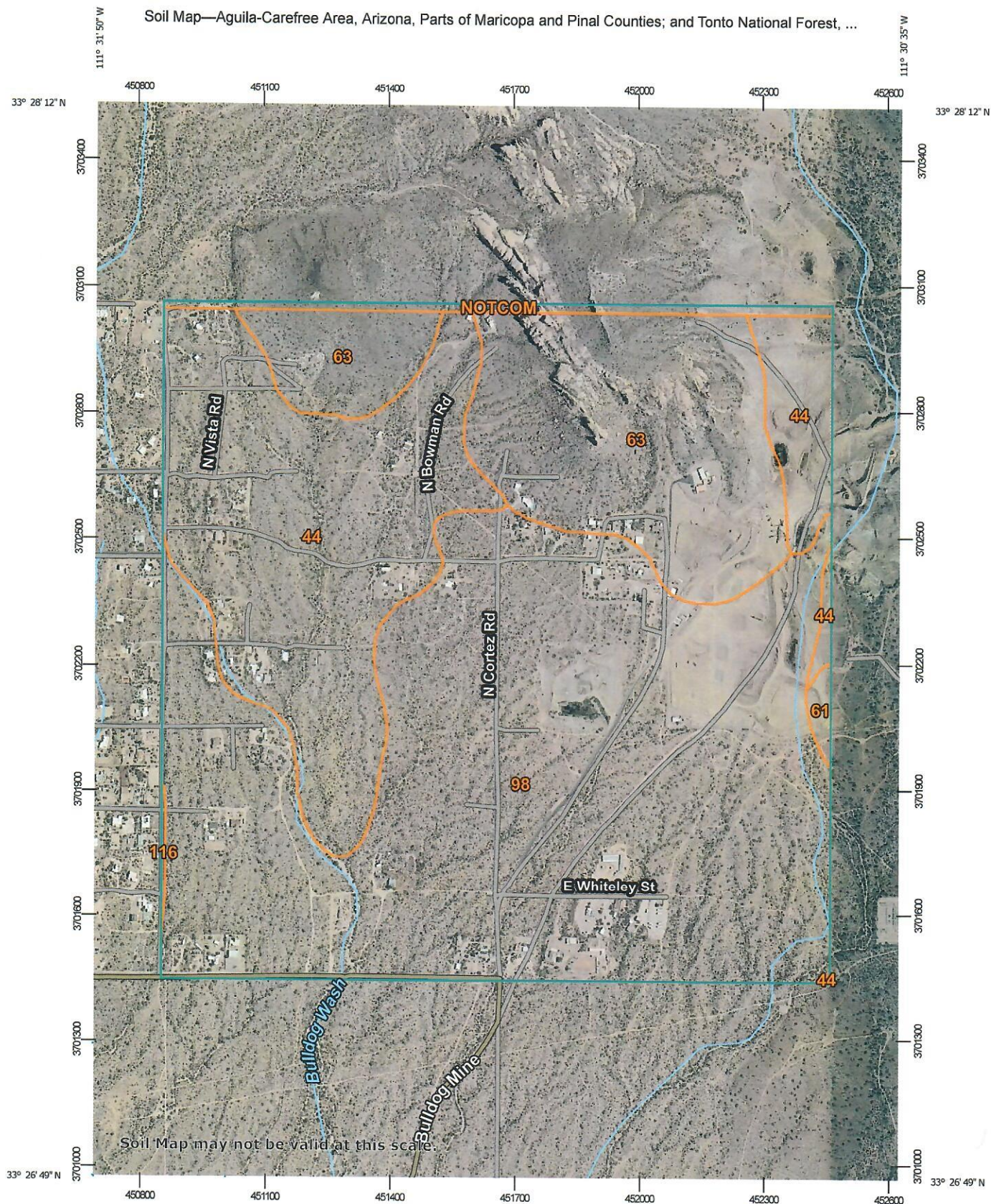
Historic Topographic Maps

APPENDIX C

COPIES OF RECORDS

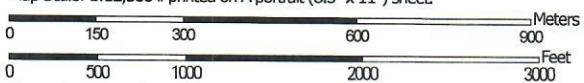
1. Natural Resources Conservation Service – Soil Survey
2. Natural Resources Conservation Service – Soil Descriptions
3. National Resources Conservation Service – Soil Limitations – Dwellings Without Basements
4. National Resources Conservation Service – Soil Limitations – Septic Tank Absorption Fields
5. Geologic Map –Focuses on the Granite Outcrop on the North Side of Section 3
6. Topographic Maps
7. Arizona State Land Department – Survey Overlaying an Aerial Photograph of the Subject Site
8. Groundwater Migration Graphic
9. Hydrographs
10. Well Drillers Logs for Nine Wells Site – Index Map
11. Well Drillers Logs
12. Floodplain Maps
13. Areas In Arizona With Elevated Concentrations of Uranium – Aerial Gama Ray Survey
14. Legend to the Above Map
15. Historic Aerial Images

Soil Map—Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties; and Tonto National Forest, ...



Soil Map may not be valid at this scale.

Map Scale: 1:12,500 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 12N WGS84



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

5/18/2022
Page 1 of 4

MAP LEGEND

Area of Interest (AOI)		Spoil Area
Area of Interest (AOI)		Stony Spot
Soils		Very Stony Spot
Soil Map Unit Polygons		Wet Spot
Soil Map Unit Lines		Other
Soil Map Unit Points		Special Line Features
Special Point Features		Water Features
Blowout		Streams and Canals
Borrow Pit		Transportation
Clay Spot		Rails
Closed Depression		Interstate Highways
Gravel Pit		US Routes
Gravelly Spot		Major Roads
Landfill		Local Roads
Lava Flow		Background
Marsh or swamp		Aerial Photography
Mine or Quarry		
Miscellaneous Water		
Perennial Water		
Rock Outcrop		
Saline Spot		
Sandy Spot		
Severely Eroded Spot		
Sinkhole		
Slide or Slip		
Sodic Spot		

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties
Survey Area Data: Version 16, Sep 16, 2021

Soil Survey Area: Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties
Survey Area Data: Version 11, Sep 16, 2021

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 31, 2009—May 28, 2020

Soil Map—Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties; and Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties

MAP LEGEND

MAP INFORMATION

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
44	Ebon very gravelly loam, 1 to 8 percent slopes	162.2	25.2%
61	Gran-Wickenburg complex, 1 to 10 percent slopes	2.5	0.4%
63	Gran-Wickenburg-Rock outcrop complex, 10 to 65 percent slopes	123.6	19.2%
98	Pinamt-Tremant complex, 1 to 10 percent slopes	347.3	53.9%
116	Tremant-Gunsight-Rillito complex, 1 to 5 percent slopes	0.7	0.1%
Subtotals for Soil Survey Area		636.3	98.7%
Totals for Area of Interest		644.5	100.0%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
NOTCOM	No Digital Data Available	8.2	1.3%
Subtotals for Soil Survey Area		8.2	1.3%
Totals for Area of Interest		644.5	100.0%

Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties

44—Ebon very gravelly loam, 1 to 8 percent slopes

Map Unit Setting

National map unit symbol: 1s75
Elevation: 1,200 to 2,200 feet
Mean annual precipitation: 7 to 10 inches
Mean annual air temperature: 70 to 73 degrees F
Frost-free period: 250 to 300 days
Farmland classification: Not prime farmland

Map Unit Composition

Ebon and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ebon

Setting

Landform: Fan terraces
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Mixed alluvium

Typical profile

A - 0 to 1 inches: very gravelly loam
Btk - 1 to 43 inches: very gravelly sandy clay
2Bk - 43 to 60 inches: gravelly loamy sand

Properties and qualities

Slope: 1 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: C
Ecological site: R040XB205AZ - Clay Loam Upland 7"-10" p.z.

Hydric soil rating: No

Data Source Information

Soil Survey Area: Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties

Survey Area Data: Version 16, Sep 16, 2021

Soil Survey Area: Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties

Survey Area Data: Version 11, Sep 16, 2021

Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties

98—Pinamt-Tremant complex, 1 to 10 percent slopes

Map Unit Setting

National map unit symbol: 1sbq
Elevation: 1,200 to 2,200 feet
Mean annual precipitation: 7 to 10 inches
Mean annual air temperature: 70 to 73 degrees F
Frost-free period: 250 to 300 days
Farmland classification: Not prime farmland

Map Unit Composition

Pinamt and similar soils: 45 percent
Tremant and similar soils: 35 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pinamt

Setting

Landform: Fan terraces
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Mixed alluvium

Typical profile

A - 0 to 1 inches: extremely gravelly sandy loam
Btk - 1 to 28 inches: very gravelly sandy clay loam
Bk - 28 to 60 inches: extremely gravelly sandy loam

Properties and qualities

Slope: 1 to 10 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 30 percent
Gypsum, maximum content: 4 percent
Maximum salinity: Slightly saline to strongly saline (4.0 to 16.0 mmhos/cm)
Sodium adsorption ratio, maximum: 30.0
Available water supply, 0 to 60 inches: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: C

Ecological site: R040XB208AZ - Limy Upland, Deep 7"-10" p.z.

Hydric soil rating: No

Description of Tremant

Setting

Landform: Fan terraces

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Tread

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Mixed alluvium

Typical profile

A - 0 to 5 inches: gravelly loam

Btk - 5 to 29 inches: sandy clay loam

2Bk - 29 to 60 inches: gravelly sand

Properties and qualities

Slope: 1 to 10 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 35 percent

Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Available water supply, 0 to 60 inches: Moderate (about 6.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: C

Ecological site: R040XB213AZ - Loamy Upland 7"-10" p.z.

Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 20 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties

Survey Area Data: Version 16, Sep 16, 2021

Soil Survey Area: Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties

Survey Area Data: Version 11, Sep 16, 2021

Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties

116—Tremant-Gunsight-Rillito complex, 1 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1s3y

Elevation: 1,200 to 2,200 feet

Mean annual precipitation: 7 to 10 inches

Mean annual air temperature: 70 to 73 degrees F

Frost-free period: 250 to 300 days

Farmland classification: Not prime farmland

Map Unit Composition

Tremant and similar soils: 30 percent

Rillito and similar soils: 20 percent

Gunsight and similar soils: 20 percent

Minor components: 30 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tremant

Setting

Landform: Fan terraces

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Tread

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Mixed alluvium

Typical profile

A - 0 to 2 inches: gravelly loam

Btk1 - 2 to 26 inches: gravelly clay loam

Btk2 - 26 to 60 inches: very gravelly sandy clay loam

Properties and qualities

Slope: 1 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 35 percent

Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: C

Ecological site: R040XB213AZ - Loamy Upland 7"-10" p.z.

Hydric soil rating: No

Description of Rillito

Setting

Landform: Fan terraces

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Tread

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Mixed alluvium

Typical profile

A - 0 to 2 inches: gravelly loam

Bk - 2 to 60 inches: gravelly loam

Properties and qualities

Slope: 1 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 13.0

Available water supply, 0 to 60 inches: Moderate (about 8.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R040XB207AZ - Limy Fan 7"-10" p.z.

Hydric soil rating: No

Description of Gunsight

Setting

Landform: Fan terraces

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Tread

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Mixed alluvium

Typical profile

A - 0 to 10 inches: very gravelly sandy loam

Bk - 10 to 60 inches: very gravelly sandy loam

Properties and qualities

Slope: 1 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Somewhat excessively drained

Capacity of the most limiting layer to transmit water

(Ksat): Moderately high to high (0.57 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Gypsum, maximum content: 10 percent

Maximum salinity: Moderately saline to strongly saline (8.0 to 16.0 mmhos/cm)

Sodium adsorption ratio, maximum: 25.0

Available water supply, 0 to 60 inches: Low (about 4.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A

Ecological site: R040XB208AZ - Limy Upland, Deep 7"-10" p.z.

Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 30 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties

Survey Area Data: Version 16, Sep 16, 2021

Soil Survey Area: Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties

Survey Area Data: Version 11, Sep 16, 2021

Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties

63—Gran-Wickenburg-Rock outcrop complex, 10 to 65 percent slopes

Map Unit Setting

National map unit symbol: 1s88

Elevation: 1,800 to 4,000 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 66 to 70 degrees F

Frost-free period: 220 to 270 days

Farmland classification: Not prime farmland

Map Unit Composition

Gran and similar soils: 30 percent

Rock outcrop: 25 percent

Wickenburg and similar soils: 25 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gran

Setting

Landform: Mountain slopes, pediments, hillslopes

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Mountainflank, side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Alluvium derived from granite and gneiss and/or colluvium derived from granite and gneiss

Typical profile

A - 0 to 1 inches: very gravelly sandy loam

Bt - 1 to 12 inches: extremely gravelly sandy clay

Cr - 12 to 36 inches: bedrock

R - 36 to 60 inches: bedrock

Properties and qualities

Slope: 10 to 65 percent

Depth to restrictive feature: 3 to 20 inches to paralithic bedrock; 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low to low (0.00 to 0.01 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Very low (about 1.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R040XA105AZ - Shallow Hills 10"-13" p.z.

Hydric soil rating: No

Description of Wickenburg

Setting

Landform: Pediments, hillslopes, mountain slopes

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Mountainflank, side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Alluvium derived from granite and gneiss and/or
colluvium derived from granite and gneiss

Typical profile

A - 0 to 1 inches: gravelly sandy loam

Bw - 1 to 12 inches: very gravelly sandy loam

Cr - 12 to 60 inches: bedrock

Properties and qualities

Slope: 10 to 65 percent

Depth to restrictive feature: 3 to 20 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low
to low (0.00 to 0.01 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0
mmhos/cm)

Available water supply, 0 to 60 inches: Very low (about 1.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R040XA105AZ - Shallow Hills 10"-13" p.z.

Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 20 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal
Counties

Survey Area Data: Version 16, Sep 16, 2021

Soil Survey Area: Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal
and Yavapai Counties

Survey Area Data: Version 11, Sep 16, 2021

Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties

61—Gran-Wickenburg complex, 1 to 10 percent slopes

Map Unit Setting

National map unit symbol: 1s85

Elevation: 1,800 to 4,000 feet

Mean annual precipitation: 10 to 12 inches

Mean annual air temperature: 66 to 70 degrees F

Frost-free period: 220 to 270 days

Farmland classification: Not prime farmland

Map Unit Composition

Gran and similar soils: 40 percent

Wickenburg and similar soils: 35 percent

Minor components: 25 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gran

Setting

Landform: Pediments, hillslopes

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Alluvium derived from granite and gneiss and/or colluvium derived from granite and gneiss

Typical profile

A - 0 to 1 inches: very gravelly sandy loam

Bt - 1 to 12 inches: extremely gravelly sandy clay

Cr - 12 to 36 inches: bedrock

R - 36 to 60 inches: bedrock

Properties and qualities

Slope: 1 to 10 percent

Depth to restrictive feature: 3 to 20 inches to paralithic bedrock; 20 to 40 inches to lithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low to low (0.00 to 0.01 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water supply, 0 to 60 inches: Very low (about 1.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R040XA121AZ - Granitic Upland 10"-13" p.z.

Hydric soil rating: No

Description of Wickenburg

Setting

Landform: Pediments, hillslopes

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Alluvium derived from granite and gneiss and/or colluvium derived from granite and gneiss

Typical profile

A - 0 to 1 inches: gravelly sandy loam

Bw - 1 to 12 inches: very gravelly sandy loam

Cr - 12 to 60 inches: bedrock

Properties and qualities

Slope: 1 to 10 percent

Depth to restrictive feature: 8 to 20 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low to low (0.00 to 0.01 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water supply, 0 to 60 inches: Very low (about 1.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R040XA121AZ - Granitic Upland 10"-13" p.z.

Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 25 percent

Map Unit Description: Gran-Wickenburg complex, 1 to 10 percent slopes---Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties; and Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties

Hydric soil rating: No

Data Source Information

Soil Survey Area: Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties

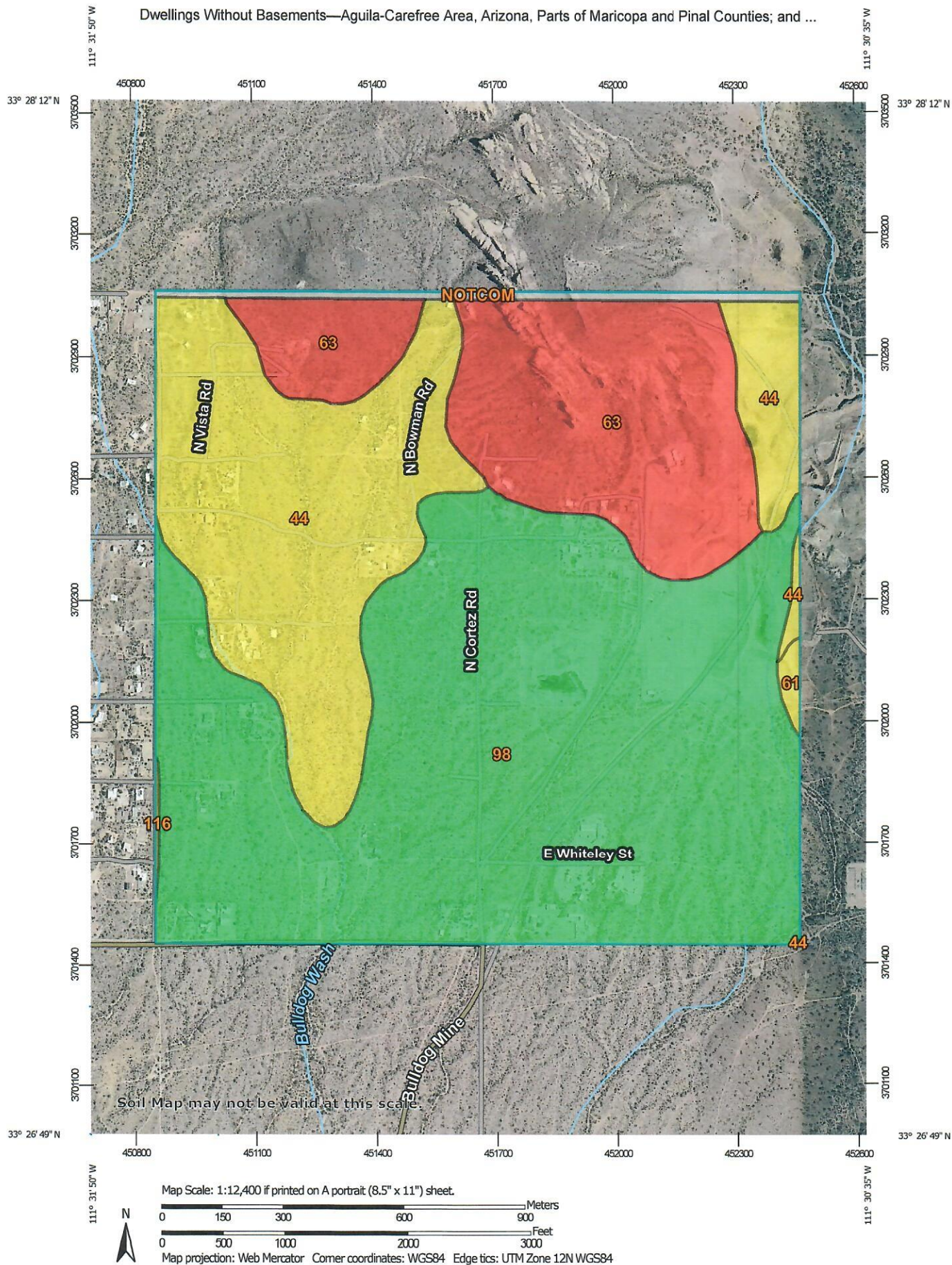
Survey Area Data: Version 16, Sep 16, 2021

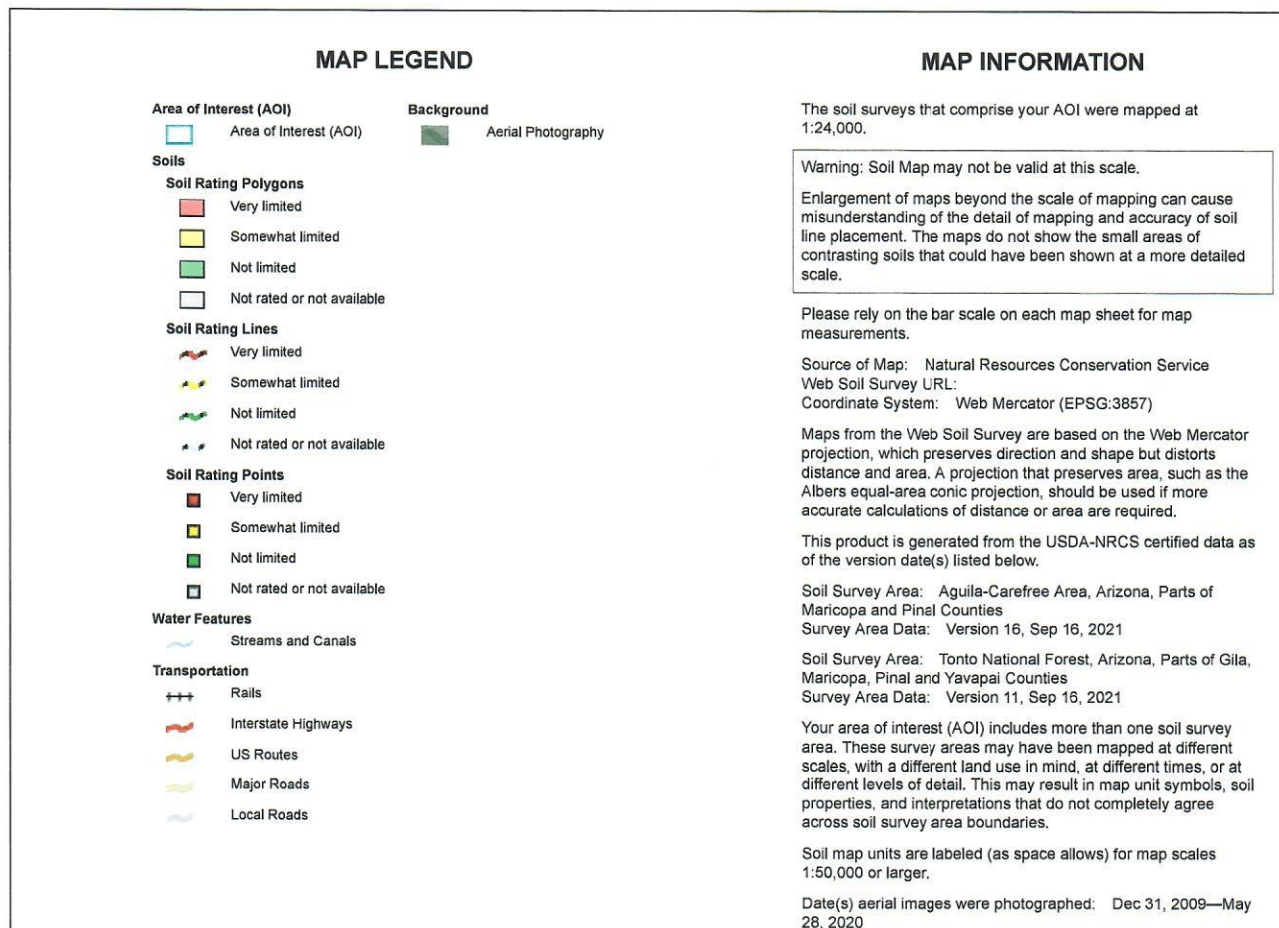
Soil Survey Area: Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties

Survey Area Data: Version 11, Sep 16, 2021



Dwellings Without Basements—Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties; and ...





Dwellings Without Basements—Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties; and Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties

MAP LEGEND

MAP INFORMATION

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



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Dwellings Without Basements

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
44	Ebon very gravelly loam, 1 to 8 percent slopes	Somewhat limited	Ebon (100%)	Shrink-swell (0.50)	161.6	25.2%
61	Gran-Wickenburg complex, 1 to 10 percent slopes	Somewhat limited	Gran (40%)	Depth to soft bedrock (0.50)	2.3	0.4%
				Shrink-swell (0.50)		
				Depth to hard bedrock (0.06)		
			Wickenburg (35%)	Depth to soft bedrock (0.50)		
63	Gran-Wickenburg-Rock outcrop complex, 10 to 65 percent slopes	Very limited	Gran (30%)	Slope (1.00)	123.6	19.3%
				Depth to soft bedrock (0.50)		
				Shrink-swell (0.50)		
				Depth to hard bedrock (0.06)		
			Wickenburg (25%)	Slope (1.00)		
				Depth to soft bedrock (0.50)		
98	Pinamt-Tremant complex, 1 to 10 percent slopes	Not limited	Pinamt (45%)		344.6	53.8%
116	Tremant-Gunsight-Rillito complex, 1 to 5 percent slopes	Somewhat limited	Tremant (30%)	Shrink-swell (0.00)	0.7	0.1%
			Gunsight (20%)	Subsidence risk (0.00)		
Subtotals for Soil Survey Area					632.9	98.7%
Totals for Area of Interest					641.0	100.0%

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
NOTCOM	No Digital Data Available	Not rated	NOTCOM (100%)		8.1	1.3%
Subtotals for Soil Survey Area					8.1	1.3%
Totals for Area of Interest					641.0	100.0%

Dwellings Without Basements—Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties; and Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties

Rating	Acres in AOI	Percent of AOI
Not limited	344.6	53.8%
Somewhat limited	164.6	25.7%
Very limited	123.6	19.3%
Null or Not Rated	8.1	1.3%
Totals for Area of Interest	641.0	100.0%



Description

Dwellings are single-family houses of three stories or less. For dwellings without basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper.

The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification of the soil. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

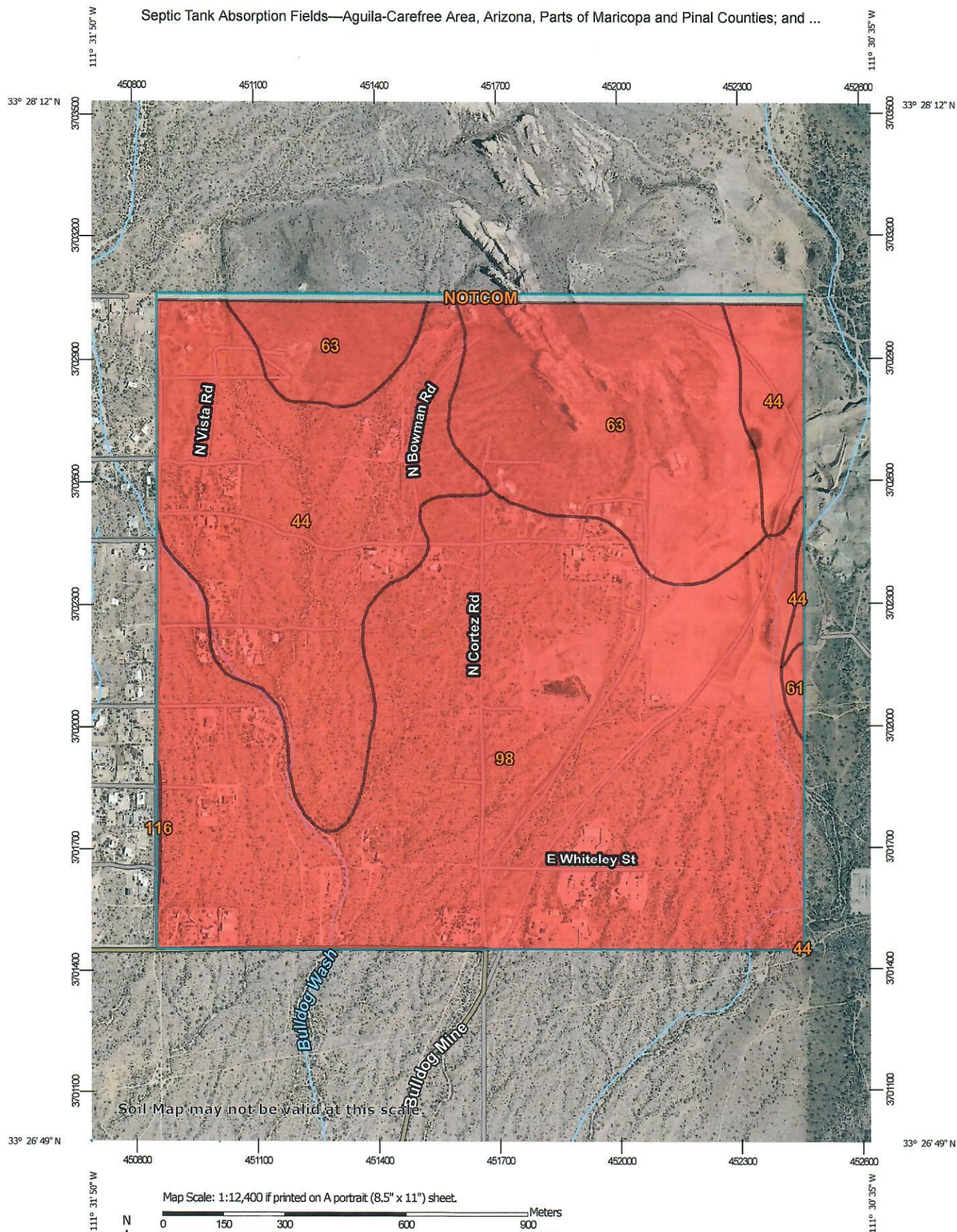
Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Septic Tank Absorption Fields—Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties; and ...



Soil Map may not be valid at this scale

Map Scale: 1:12,400 if printed on A portrait (8.5" x 11") sheet.



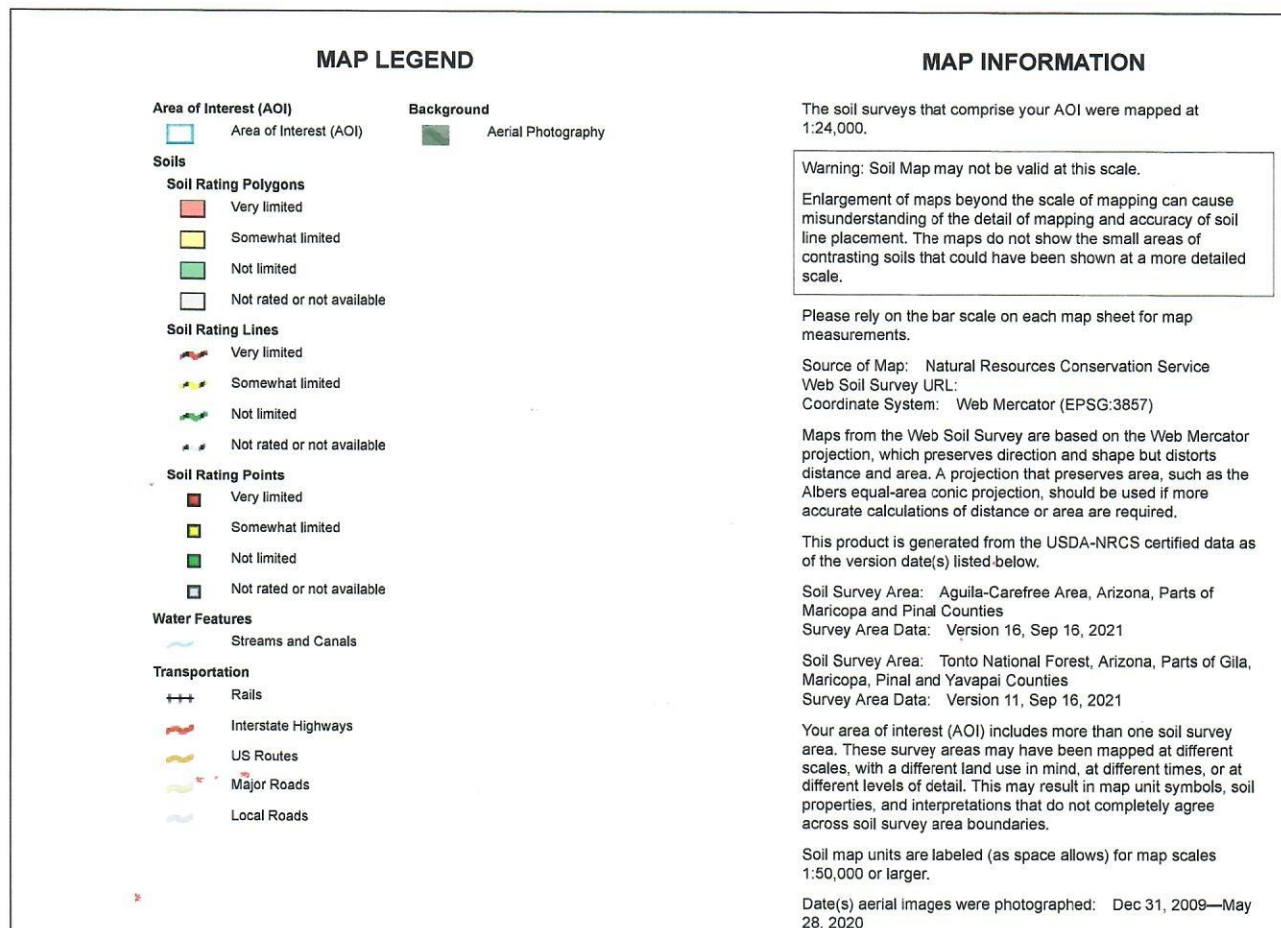
Map projection: Web Mercator Corner coordinates: WGS84 Edge ticks: UTM Zone 12N WGS84



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Septic Tank Absorption Fields—Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties; and Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties

MAP LEGEND

MAP INFORMATION

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



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Septic Tank Absorption Fields

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
44	Ebon very gravelly loam, 1 to 8 percent slopes	Very limited	Ebon (100%)	Slow water movement (1.00)	161.6	25.2%
61	Gran-Wickenburg complex, 1 to 10 percent slopes	Very limited	Gran (40%)	Depth to bedrock (1.00)	2.3	0.4%
			Wickenburg (35%)	Depth to bedrock (1.00)		
63	Gran-Wickenburg-Rock outcrop complex, 10 to 65 percent slopes	Very limited	Gran (30%)	Depth to bedrock (1.00)	123.6	19.3%
				Slope (1.00)		
			Wickenburg (25%)	Depth to bedrock (1.00)		
				Slope (1.00)		
98	Pinamt-Tremant complex, 1 to 10 percent slopes	Very limited	Pinamt (45%)	Slow water movement (1.00)	344.6	53.8%
			Tremant (35%)	Slow water movement (1.00)		
116	Tremant-Gunsight-Rillito complex, 1 to 5 percent slopes	Very limited	Tremant (30%)	Slow water movement (1.00)	0.7	0.1%
Subtotals for Soil Survey Area					632.9	98.7%
Totals for Area of Interest					641.0	100.0%

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
NOTCOM	No Digital Data Available	Not rated	NOTCOM (100%)		8.1	1.3%
Subtotals for Soil Survey Area					8.1	1.3%
Totals for Area of Interest					641.0	100.0%

Rating	Acres in AOI	Percent of AOI
Very limited	632.9	98.7%
Null or Not Rated	8.1	1.3%

Septic Tank Absorption Fields—Aguila-Carefree Area, Arizona, Parts of Maricopa and Pinal Counties; and Tonto National Forest, Arizona, Parts of Gila, Maricopa, Pinal and Yavapai Counties

Rating	Acres in AOI	Percent of AOI
Totals for Area of Interest	641.0	100.0%

Description

Septic tank absorption fields are areas in which effluent from a septic tank is distributed into the soil through subsurface tiles or perforated pipe. Only that part of the soil between depths of 24 and 60 inches is evaluated. The ratings are based on the soil properties that affect absorption of the effluent, construction and maintenance of the system, and public health. Saturated hydraulic conductivity (Ksat), depth to a water table, ponding, depth to bedrock or a cemented pan, and flooding affect absorption of the effluent. Stones and boulders, ice, and bedrock or a cemented pan interfere with installation. Subsidence interferes with installation and maintenance. Excessive slope may cause lateral seepage and surfacing of the effluent in downslope areas.

Some soils are underlain by loose sand and gravel or fractured bedrock at a depth of less than 4 feet below the distribution lines. In these soils the absorption field may not adequately filter the effluent, particularly when the system is new. As a result, the ground water may become contaminated.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Short, M.N. and others; Univ. of Ariz.

Wilson, E.D.; Ariz. Bur. Mines.









Wilson, E.D. and Moore, R.T.; Ariz. Bur. Mines

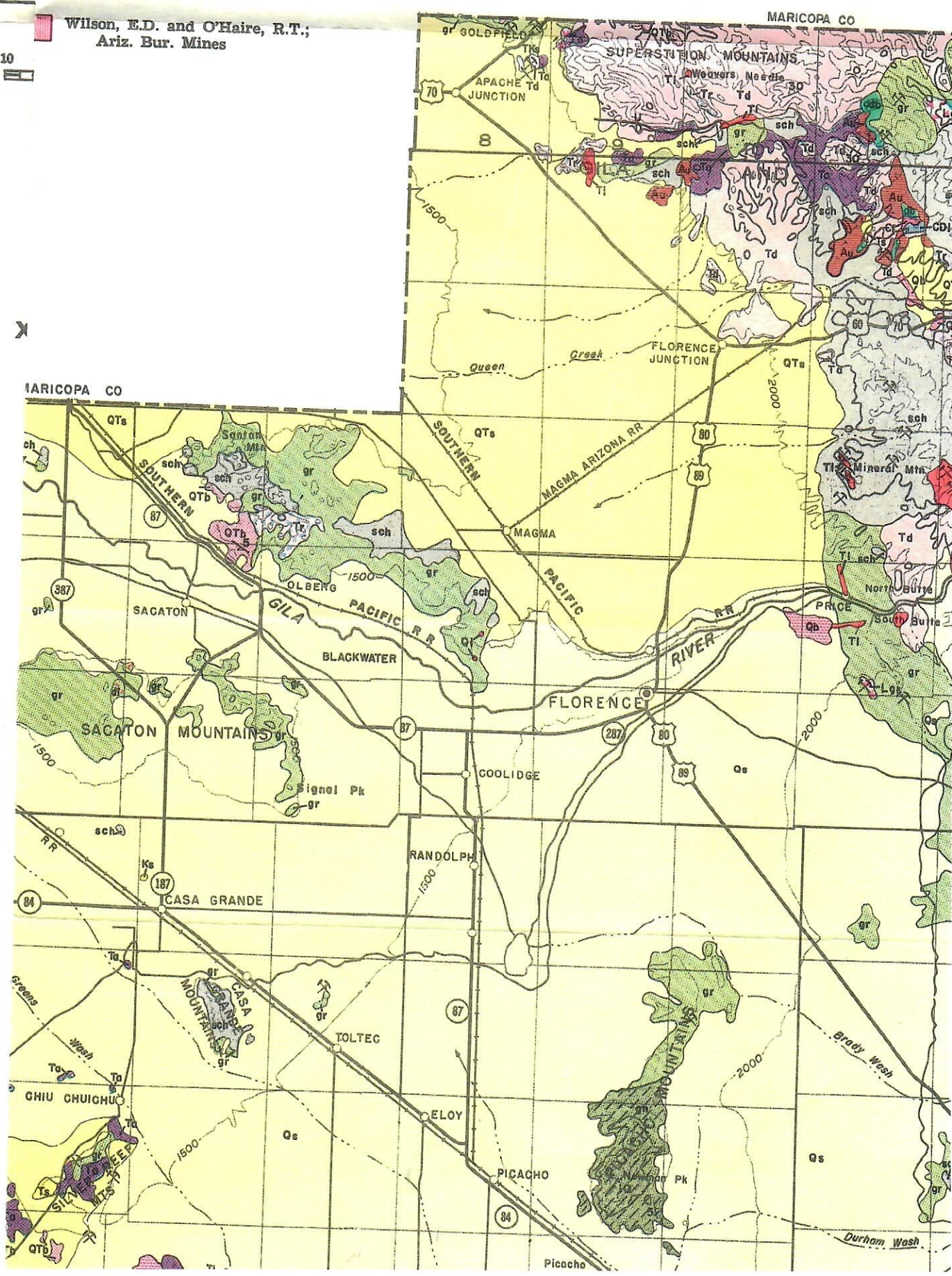
Wilson, E.D. and O'Haire, R.T.; Ariz. Bur. Mines

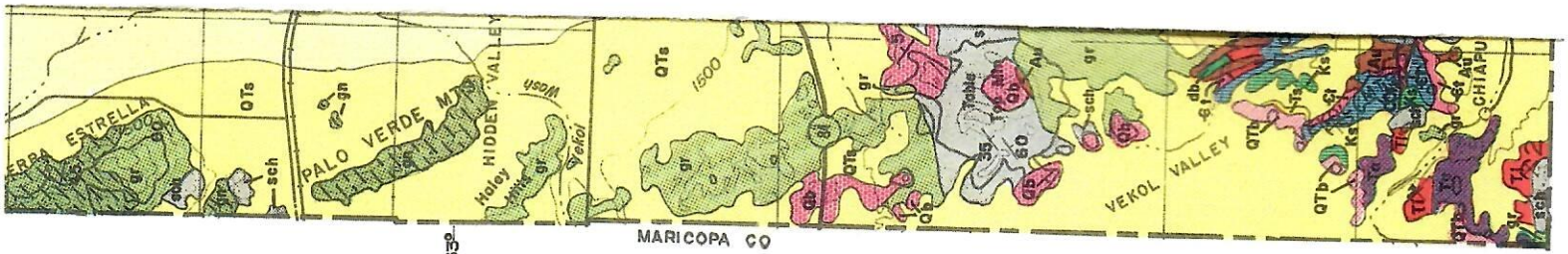
Geologic Map and Legend

E X

PRIMARY ROCKS

-  sand, and silt
 -  sand and gravel.
 -  conglomerate.
 -  shale, and intermediate volcanic rocks.
 -  limestone
 -  and Devonian limestone, sandstone, artzite
 -  quartzites and limestones.
 -  group
- Dripping Spring
ite
s, Pioneer shale,
merate, T. nallu





- Qs**
Gravel, sand, and silt
- QTs**
Silt, sand, and gravel.
- Ts**
Sand, gravel, and conglomerate.
- TKs**
Sandstone, shale, and conglomerate
Includes some volcanic rocks.
- Ks**
Shale, quartzite, and limestone
- CDI**
Carboniferous and Devonian limestone, shale, sandstone, and quartzite
- St**
Bolsa and Troy quartzites and Abrigo and related limestones.
- Au**
Apache group
Mescal limestone, Dripping Spring quartzite
Barnes conglomerate, Pioneer shale, and Scanlan conglomerate. Locally includes some Cambrian Troy quartzite.
- sch**
Schist
- gr**
Granite

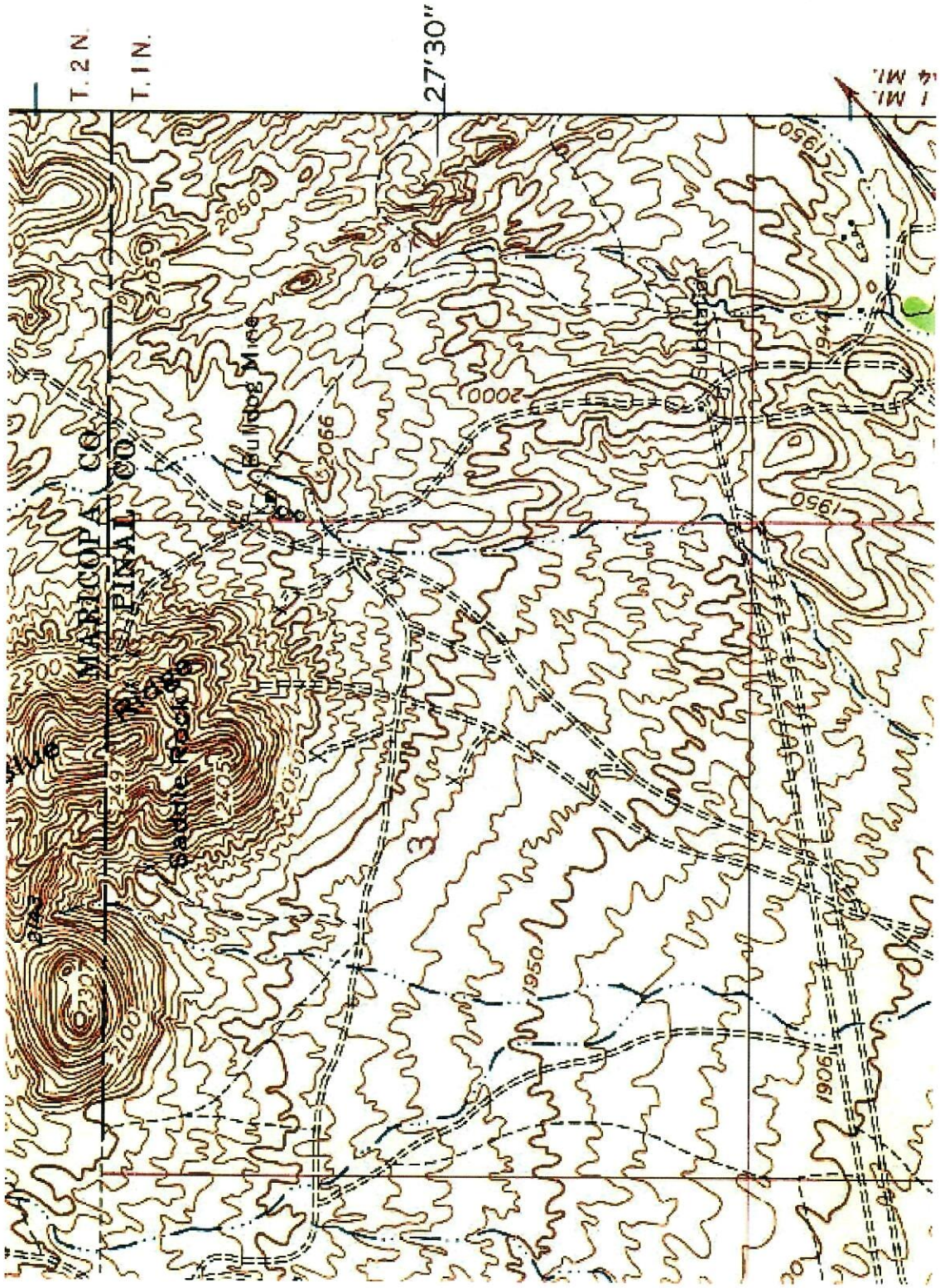
METAMORPHIC ROCKS

- qb**
Basalt
Locally includes tuff and agglomerate.
- Qi**
Dikes and plugs
Mainly basaltic in composition.
- QTb**
Basalt
Locally includes tuff and agglomerate.
- Td**
Dacite
- Rhy**
Rhyolite
- Ti**
Dikes and plugs
- Lgr**
Granite and related crystalline intrusive rocks
- Ko**
Andesite
Locally includes tuff and agglomerate.
- db**
Diabase
- gr**
Granite

YOUNGER PRECAMBRIAN TO TERTIARY

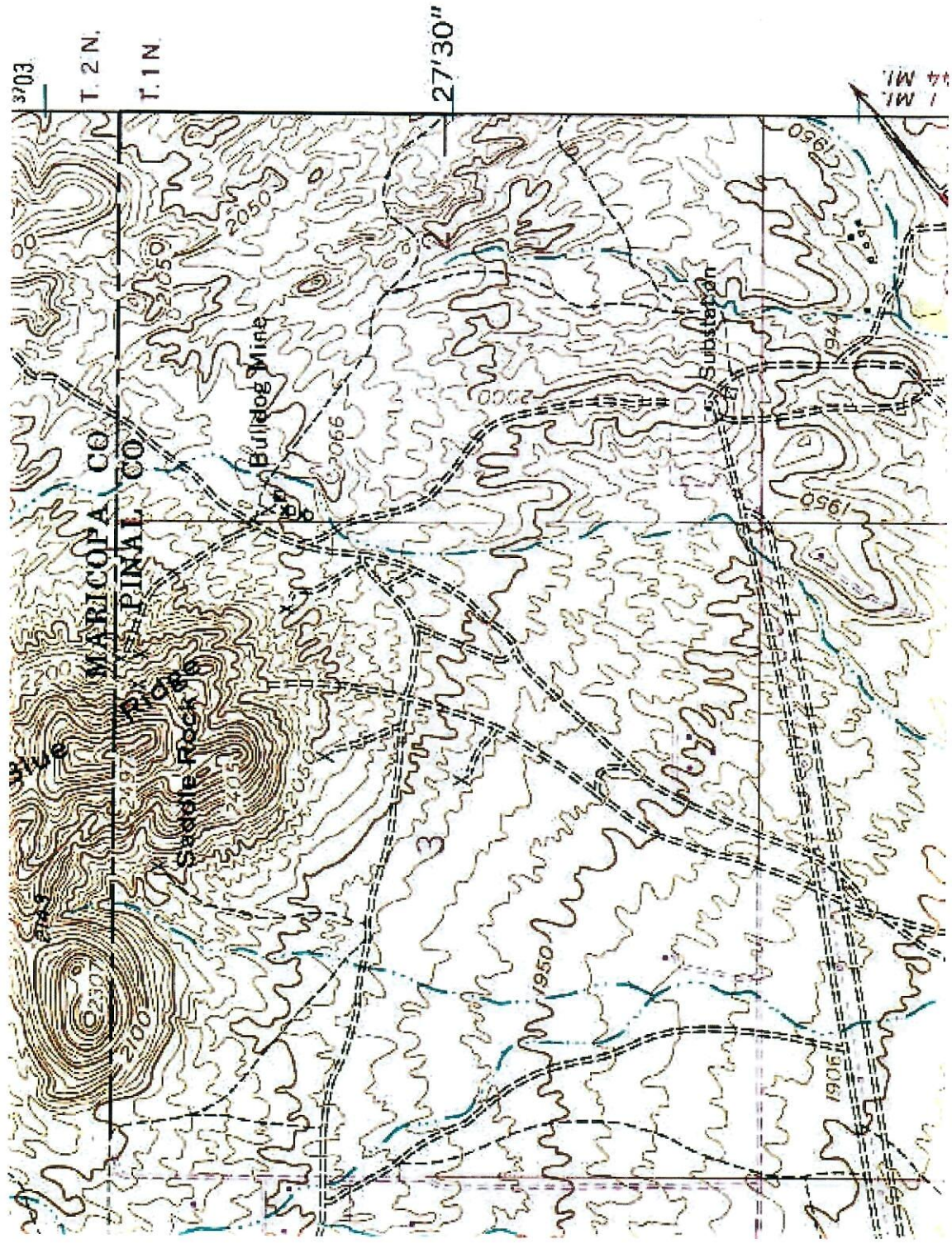
YOUNGER PRECAMBRIAN
CAMBRIAN CARBONIFEROUS CRETACEOUS
TERTIARY
QUATERNARY

USGS Apache Junction Topographic Quadrangle, Dated 1956

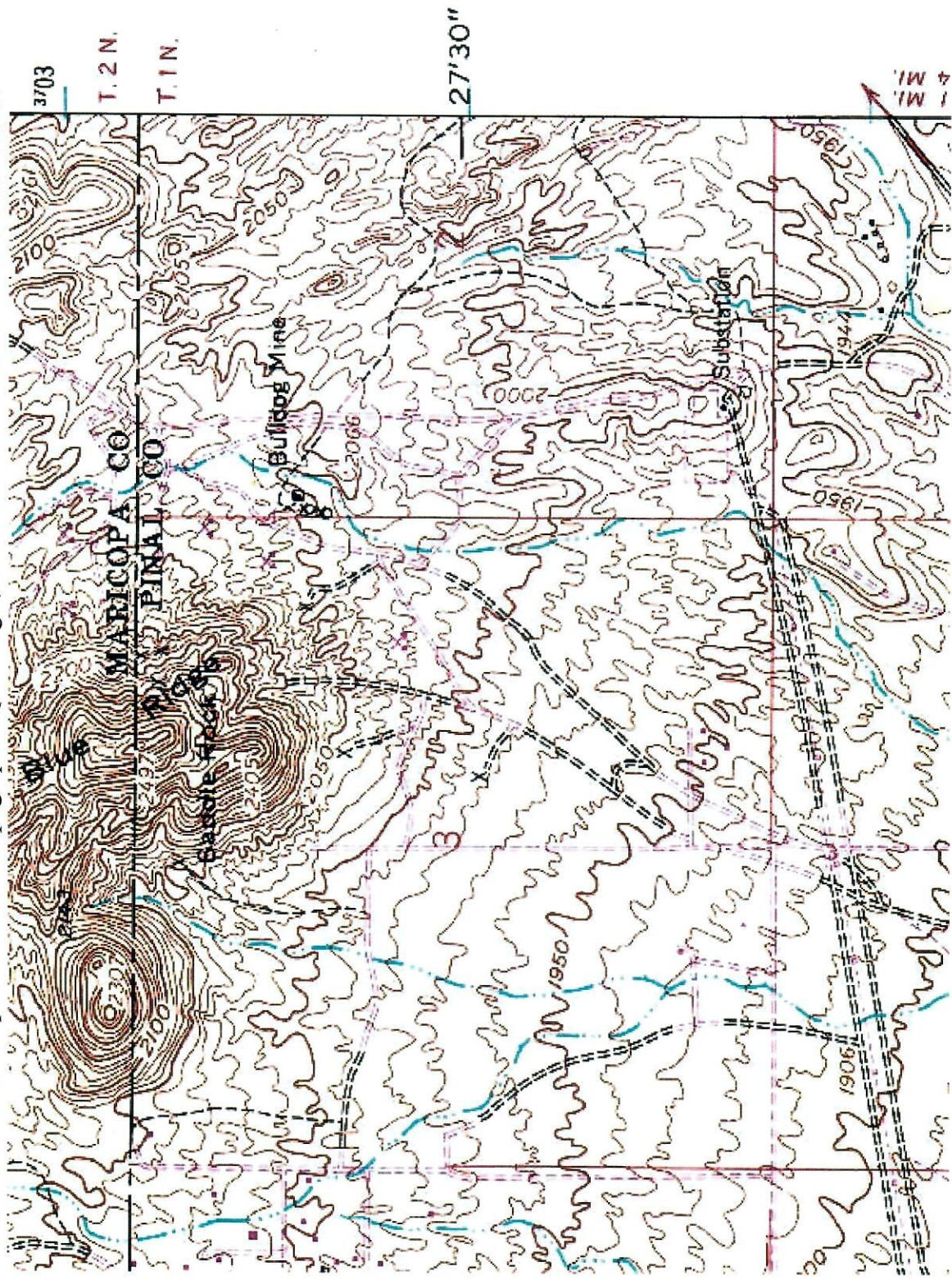


1956

USGS Apache Junction Topographic Quadrangle, Dated 1956 with Photo Revisions Made in 1973



USGS Apache Junction Topographic Quadrangle, Dated 1956 with Photo Revisions Made in 1982



Location of radon soil gas measurements

RIGHTS OF WAY
09-5779 NEW SECTION
16-04976 NEW LOTS 23-25
127-128-144
18-102141 NEW LOTS 45-52-53-54
6-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-10

TOTAL	=	373.69	AC
1048	-	59.84	AC
1049	-	5.00	AC
1050	-	22.94	AC
1051	-	73.48	AC
1052	-	4.27	AC
1053	-	6.65	AC
1054	-	3.86	AC
1055	-	197.65	AC

STATE
1048
59.84 AC.

22.94	AC.	[10-250]	[100-250]
26.19	AC.	[10-250]	[100-250]

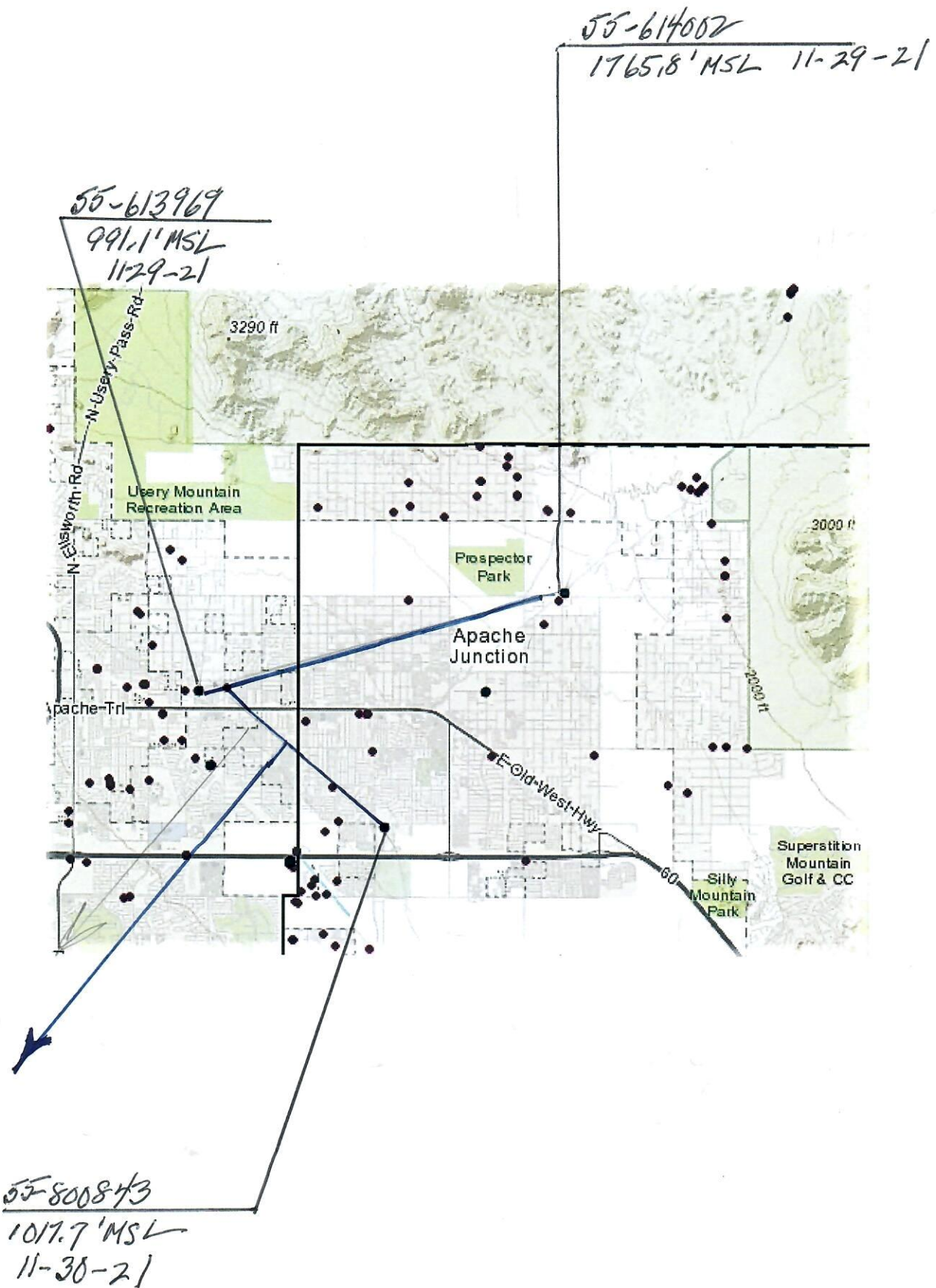
AD-22: information shown on this map may not be current. See department's computerized land/line records for the most current information.

Sec. 03 SURFACE

Sheet 2 of 2
Date: 01/11/96
Drawing No. 1AR

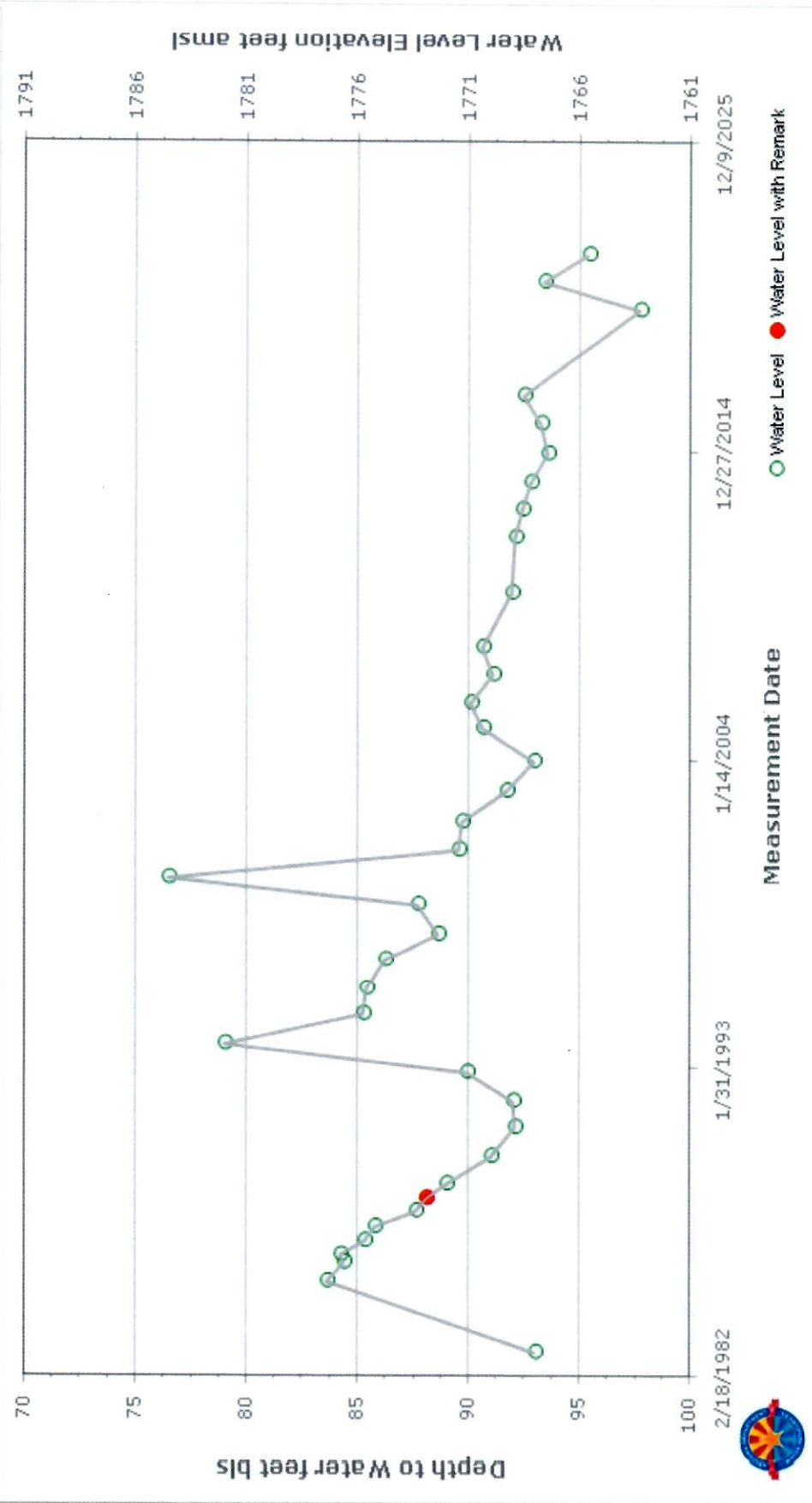
Page © 2022 Maxair Technologies

Groundwater Migration Graphic



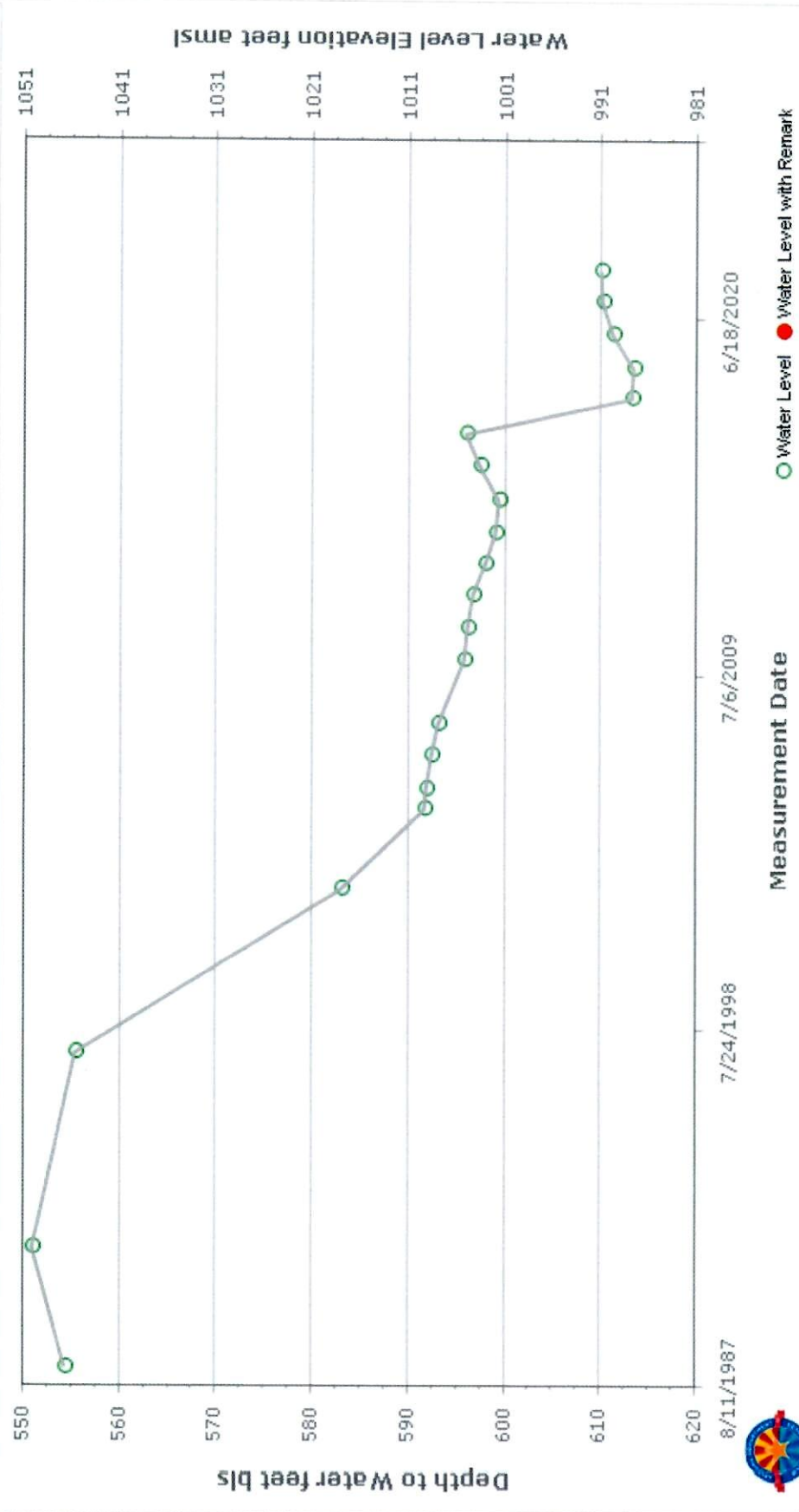
Arizona GroundWater Monitoring Site Hydrograph

Local ID	Site ID	Registry ID	Latitude NAD27	Longitude NAD27	Alt. (ft amsl)	Water Use	Well Depth (ft)	Case Dia. (in)	Drill Date	Latest WL Date	DTW (ft)	WL Elev. (ft)
A-01-08 10DCC1	332614111311101	614002	33° 26' 14.4"	111° 31' 5.9"	1861	UNUSED	300	8	6/1/1970	11/29/2021	95.4	1765.6



Arizona GroundWater Monitoring Site Hydrograph

Local ID	Site ID	Registry ID	Latitude NAD27	Longitude NAD27	Alt. (ft amsl)	Water Use	Well Depth (ft)	Case Dia (in)	Drill Date	Latest WL Date	DTW (ft)	WL Elev. (ft)
A-01-07 23ACA	332507111361001	613969	33° 25' 6.8"	111° 36' 10.6"	1601	UNUSED	700	8.62	7/15/1970	11/29/2021	609.9	991.1

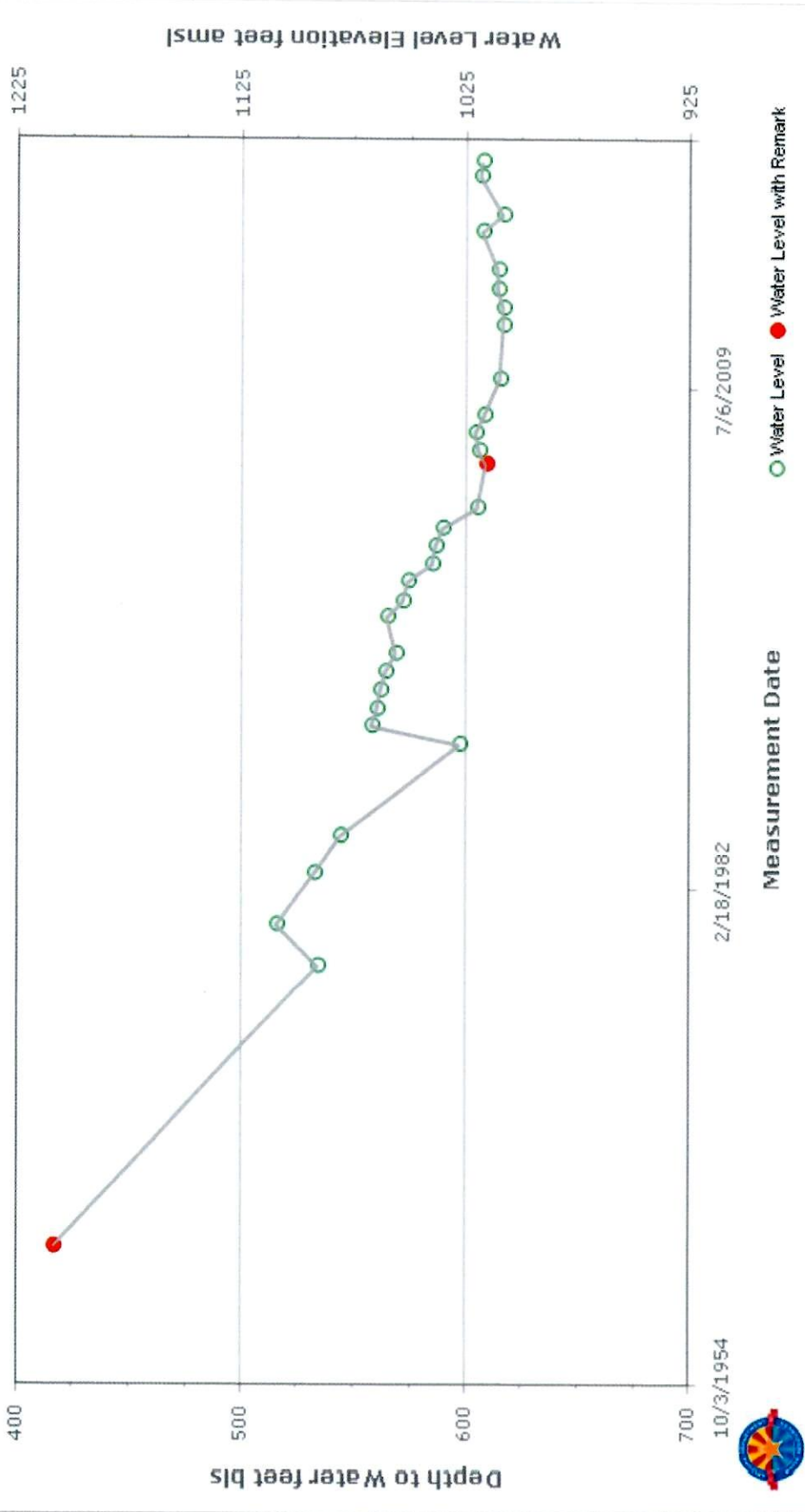


Created on 5/19/2022

GWSI is ADWR's technical database of well locations, construction data, and water levels.

Arizona GroundWater Monitoring Site Hydrograph

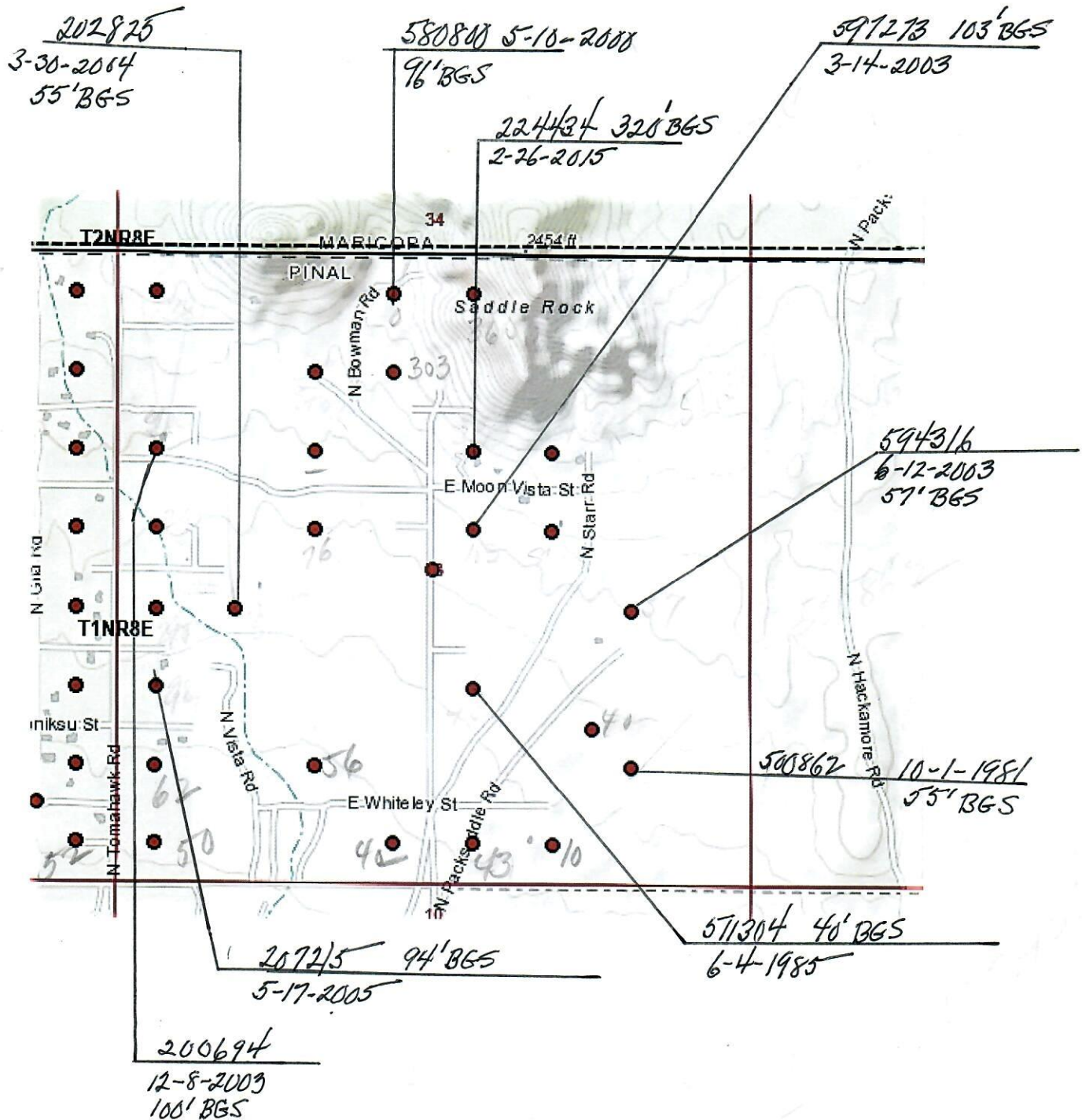
Local ID	Site ID	Registry ID	Latitude	Longitude	Alt. (ft amsl)	Water Use	Well Depth (ft)	Case Dia. (in)	Drill Date	Latest WL Date	DTW (ft)	WL Elev. (ft)
A-01-08 32BBA	332332111333401	800843	33° 23' 32.8"	111° 33' 35.4"	1625	IRRIGATION	700	16	10/1/1962	11/30/2021	607.3	1017.7



GWSI is ADWR's technical database of well locations, construction data, and water levels.

Created on 5/19/2022

Index to Well Sites With Boring Logs Attached



Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55- 593316

SECTION 5. GEOLOGIC LOG OF WELL

[illegible]

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55-207215

SECTION 5. GEOLOGIC LOG OF WELL

[illegible]

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

[illegible]

I hereby certify that this well was drilled by me (or under my supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: ARIZONA BEEMAN DRILLING L L C

P.O. BOX 3370

Street

APACHE JUNCTION, AZ 85217-3370

City

State

Zip

Phone No _____

Signature of Driller

Date _____

Well Driller Report and Well Log

WELL REGISTRATION NUMBER

55 - 224434

SECTION 5. GEOLOGIC LOG OF WELL

[illegible]

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55- 202825

SECTION 5. GEOLOGIC LOG OF WELL

[illegible]

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55-597273

SECTION 5. GEOLOGIC LOG OF WELL

[illegible]

Well Driller Report and Well Log

WELL REGISTRATION NUMBER

55-200694

SECTION 5. GEOLOGIC LOG OF WELL

[illegible]

Date 6-13-85

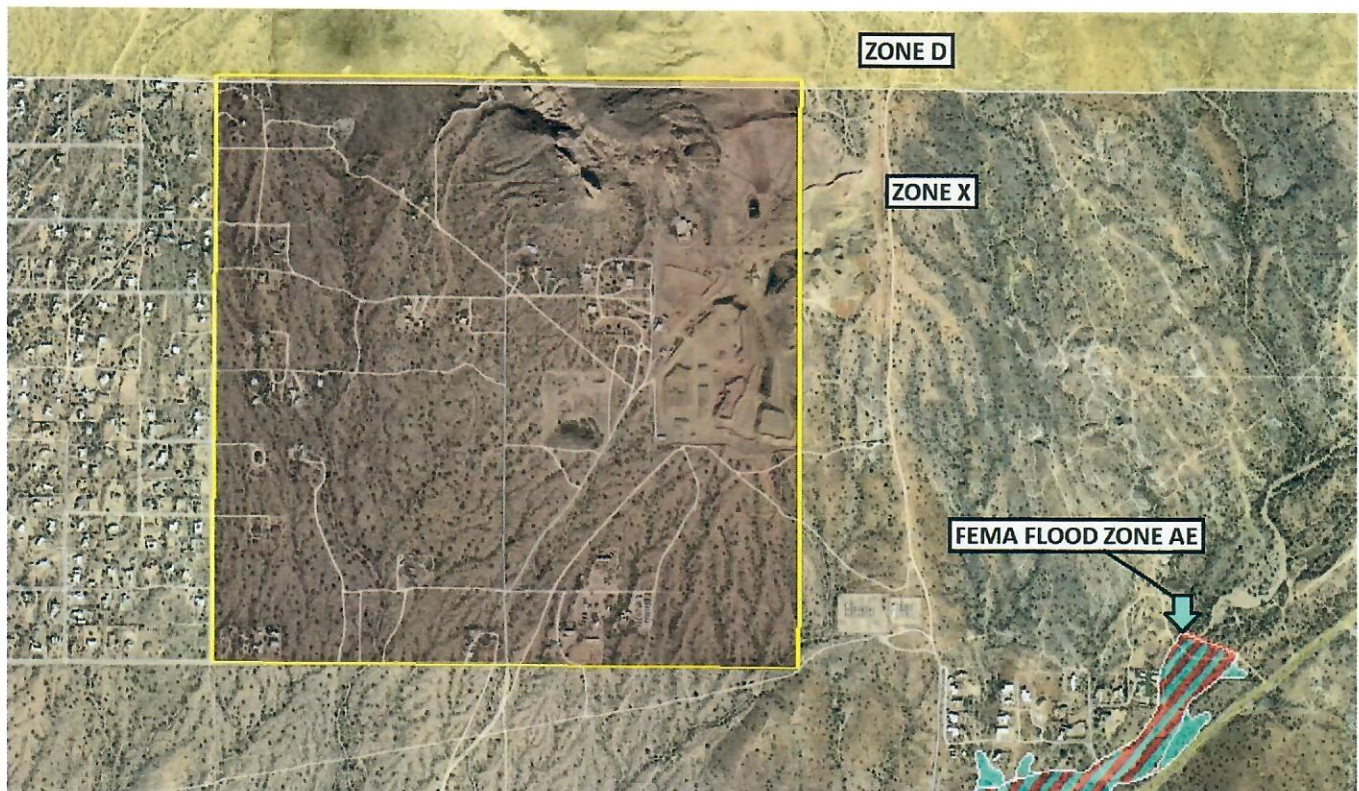
Address: S3-T1N-R8E



Property Location



Property with FEMA overlay



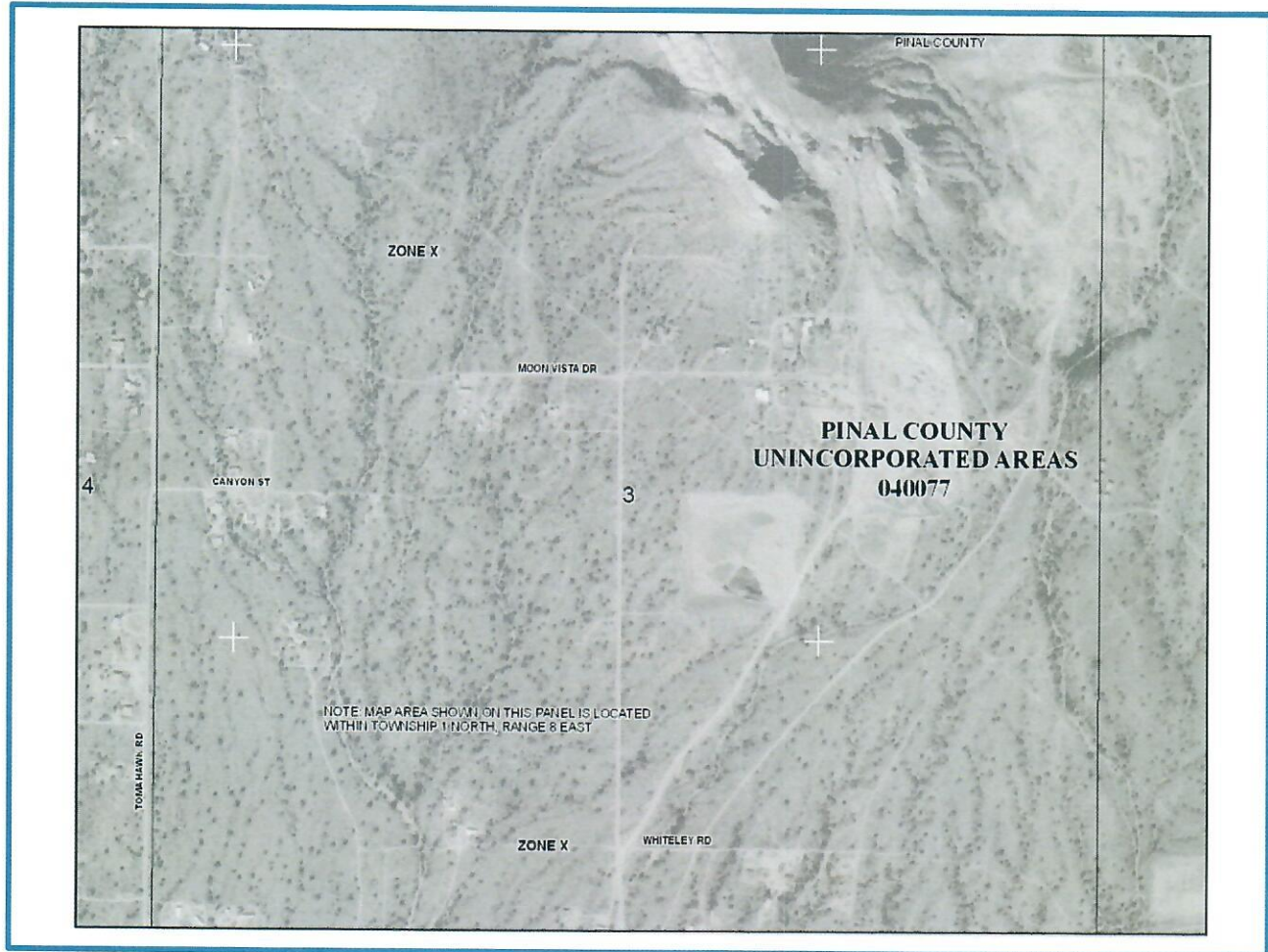


FEMA

Panel: 04021C0009E

Date: 12/4/07

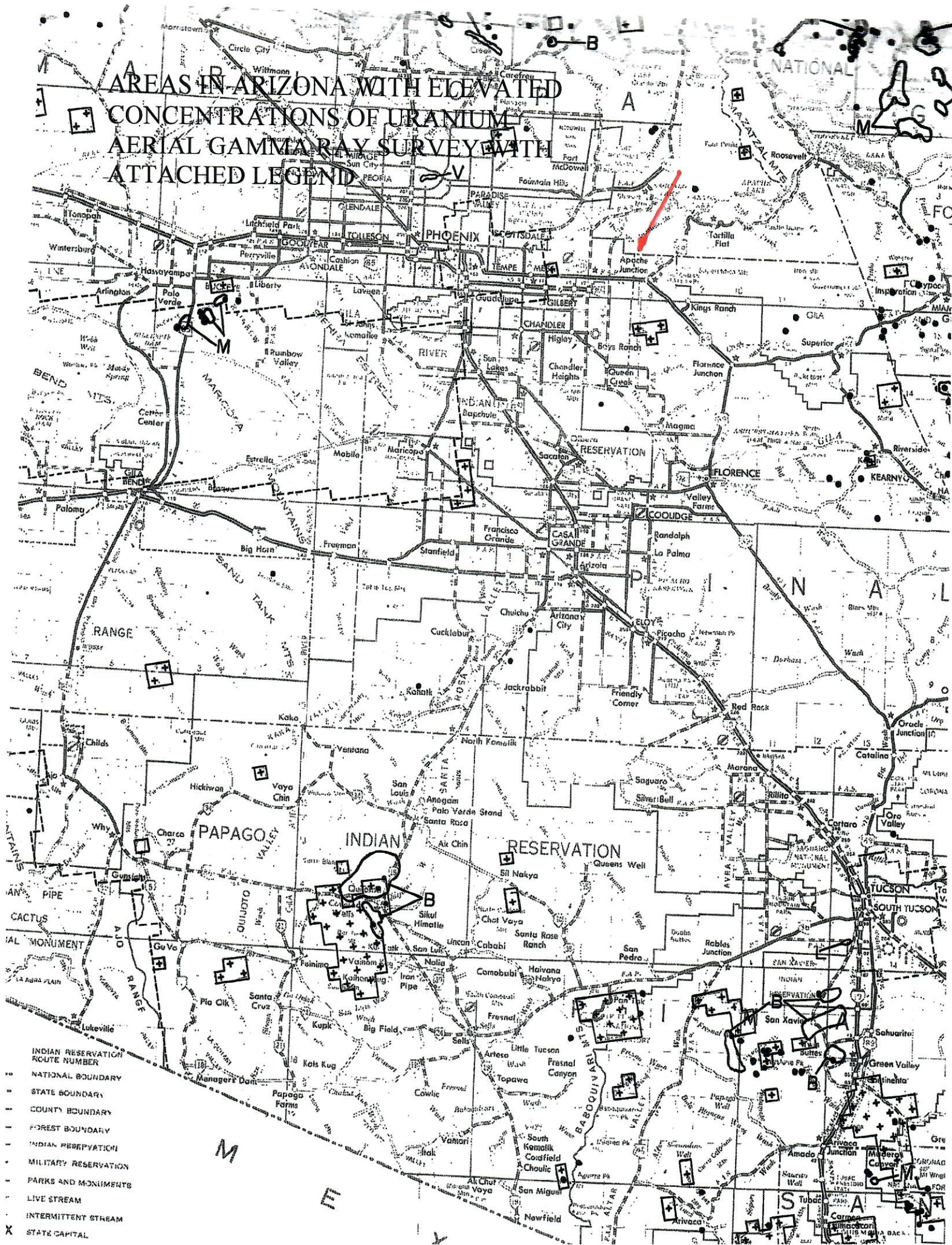
Community: Pinal County



You are located in Flood Zone X

Zone X: Minimal risk areas outside the 1-percent and .2-percent-annual-chance floodplains. No BFEs or base flood depths are shown within these zones. (Zone X (unshaded) is used on new and revised maps in place of Zone C.)

AREAS IN ARIZONA WITH ELEVATED CONCENTRATIONS OF URANIUM AERIAL GAMMA RAY SURVEY WITH ATTACHED LEGEND



Map Symbols



Uranium mineral district



Other mineral district with uranium mineralization or byproduct production



Granitic rocks with unusually high uranium concentrations



Lacustrine rocks with unusually high uranium concentrations



Volcanic rocks with unusually high uranium concentrations

- Locality with anomalously high radioactivity



Area with >5 ppm average uranium concentration based on NURE airborne survey



Area not covered by NURE airborne survey

Turquoise Valley 2020

▼ Bulldog Canyon Gate

Lightning Busters

Dolly Boat office

Goldfield Ch

88

Superstition Mountain - Lost Dutchman Museum

88



5000 ft

Google Earth

Image © 2022 Maxar Technologies

Turquoise Valley 2018

Bulldog Canyon Gate

Lightning Busters

Dolly Boat office



Turquoise Valley 2014

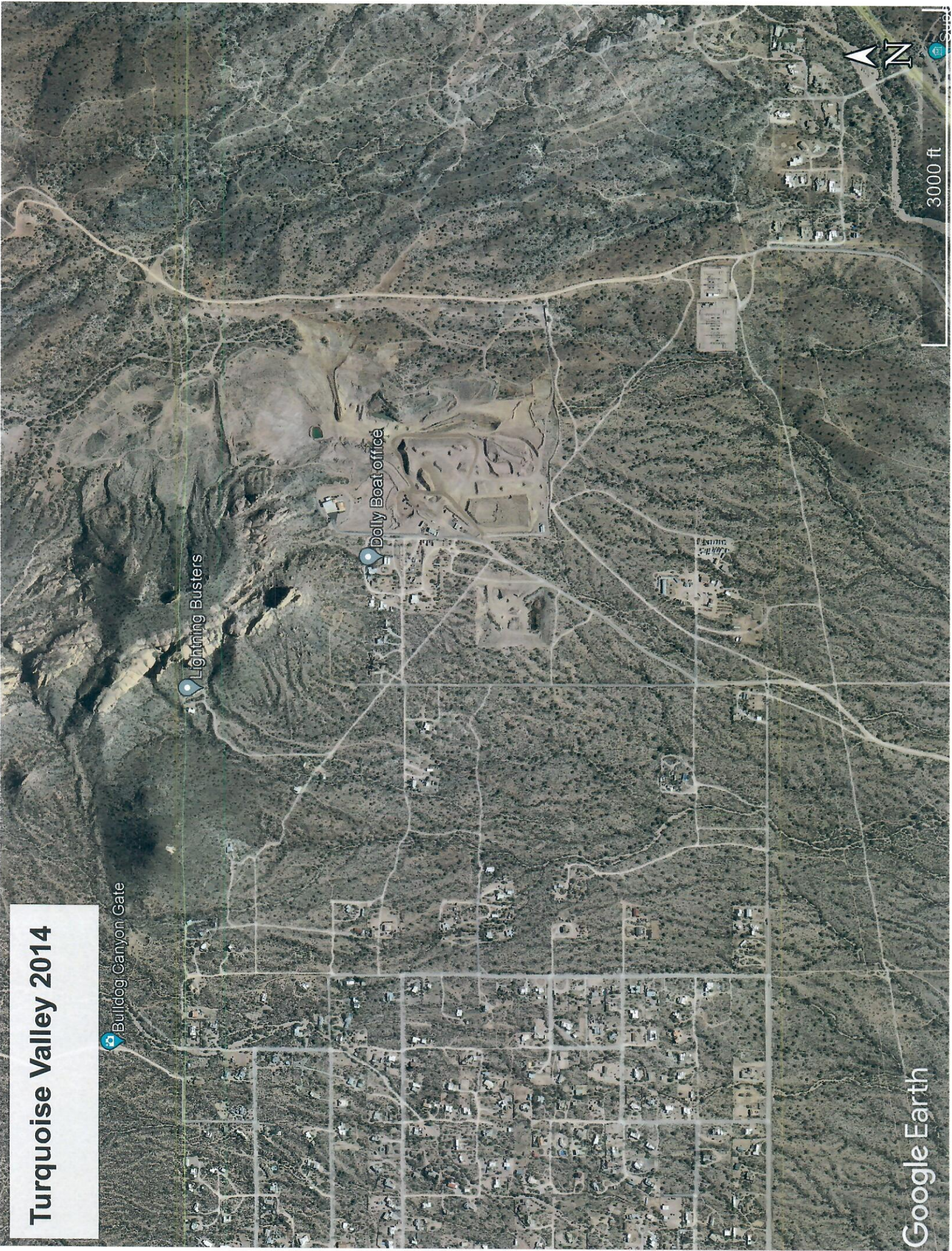
Bulldog Canyon Gate

Lightning Busters

Dolly Boat office

Google Earth

3000 ft



Turquoise Valley 2010

Buildog Canyon Gate

Lightning Busters

Dolly Boat office

Google Earth

Image © 2022 Maxar Technologies

3000 ft



Turquoise Valley 2007

Bulldog Canyon Gate

Lightning Busters

Dolly Boat office

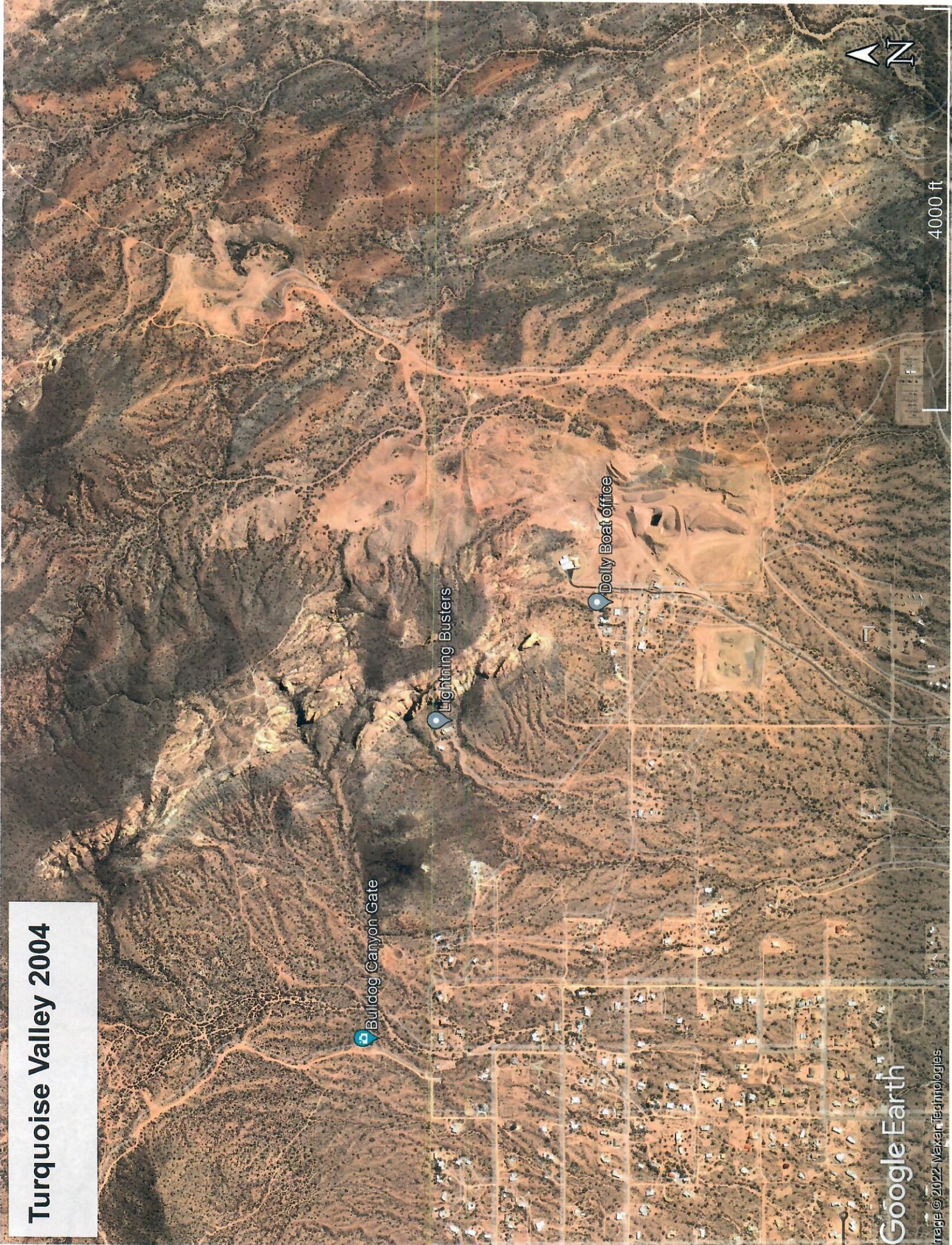


3000 ft

Google Earth

Image URL: https://www.google.com/maps/@33.5,111.5,15z

Turquoise Valley 2004



Turquoise Valley 2003

 Bulldog Canyon Gate

 Lightning Busters

 Dolly Boat office

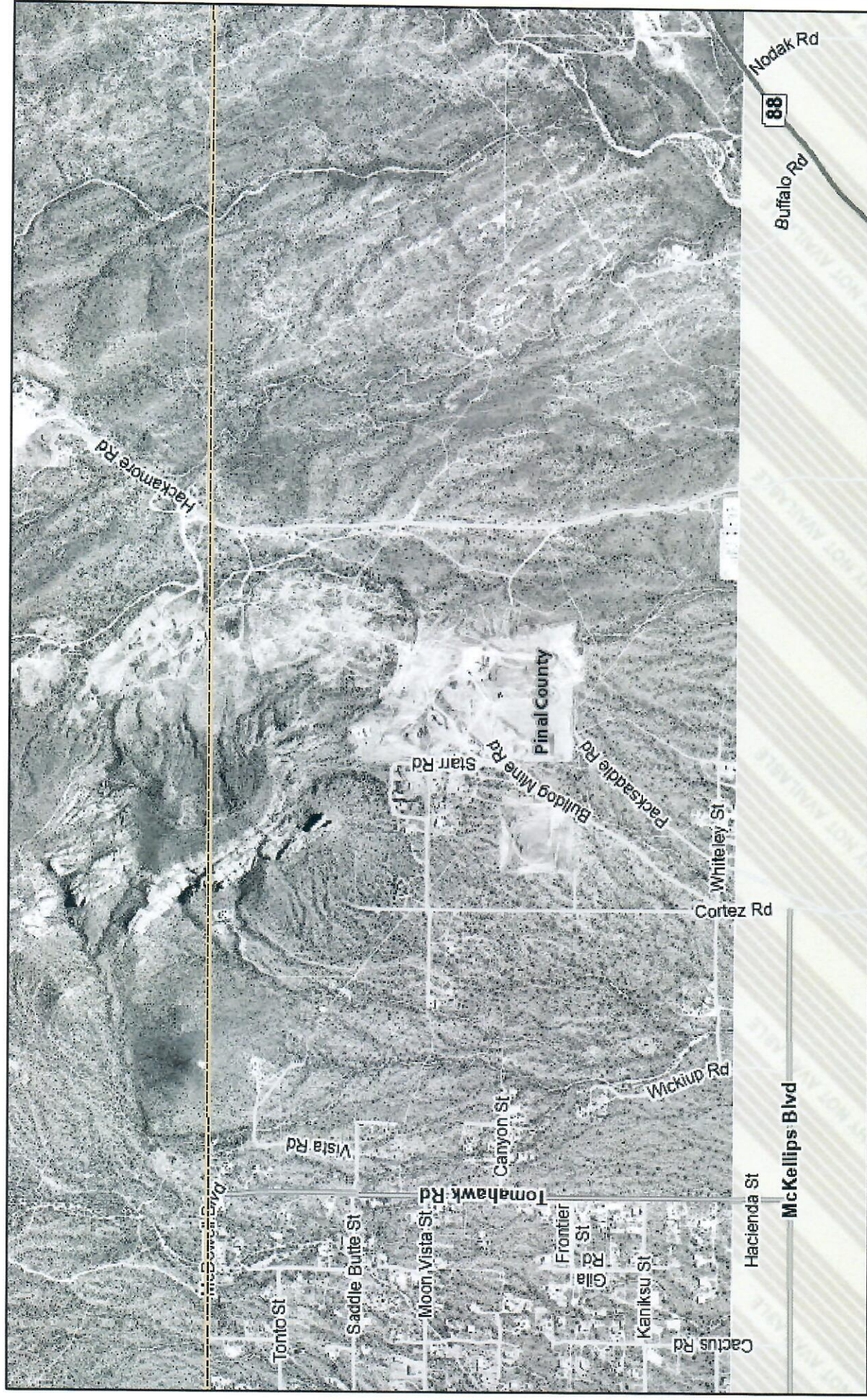


3000 ft

Google Earth

Image U.S. Geological Survey

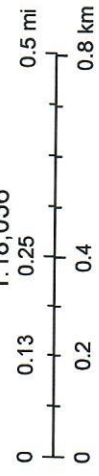
2000



7/4/2022, 6:56:42 AM



1:18,056



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), Office of Enterprise Technology/GIS
© 2020 Maricopa County

Turquoise Valley 1992

 Bulldog Canyon Gate

 Lightning Busters

 Dolly Boat office

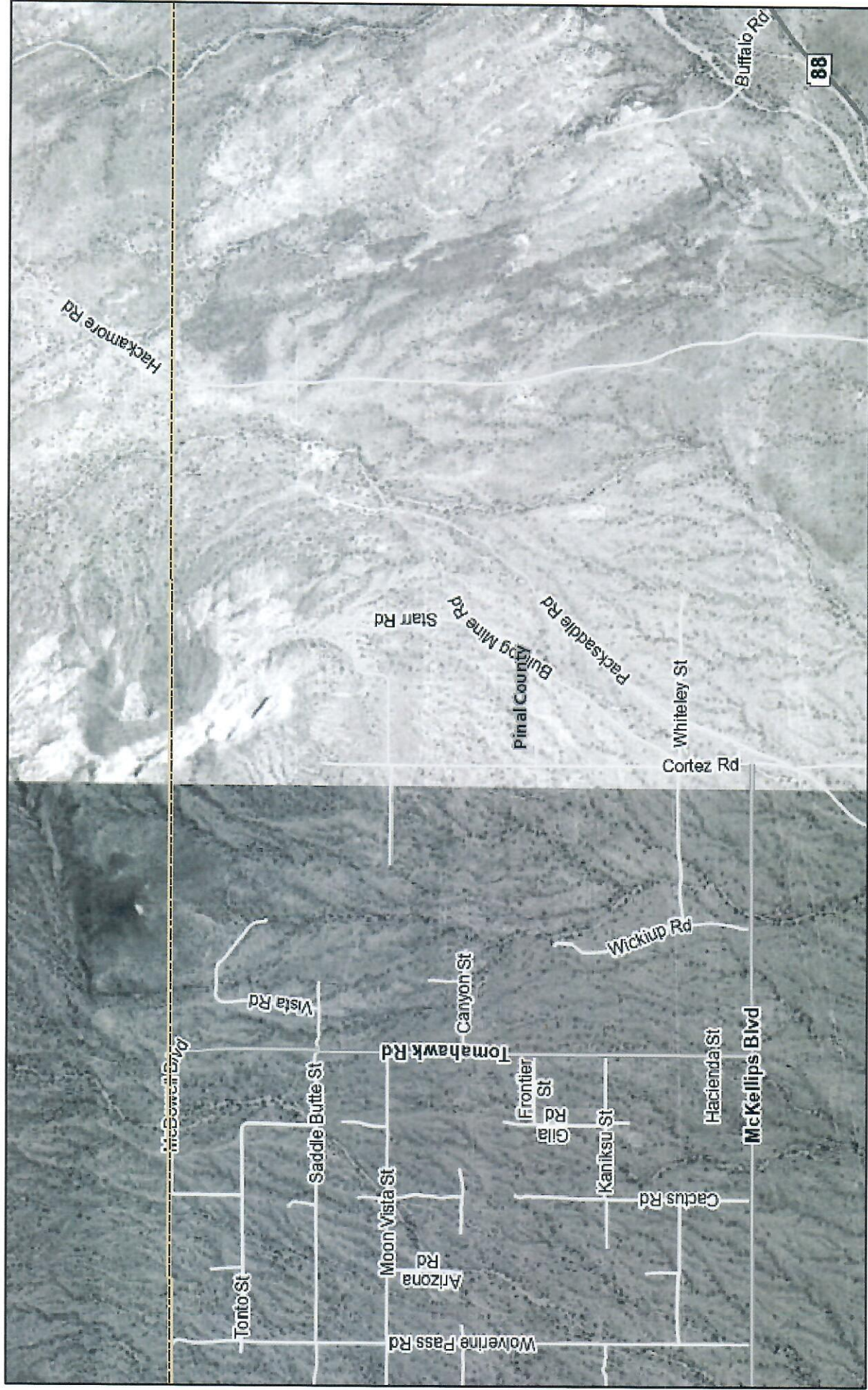


3000 ft

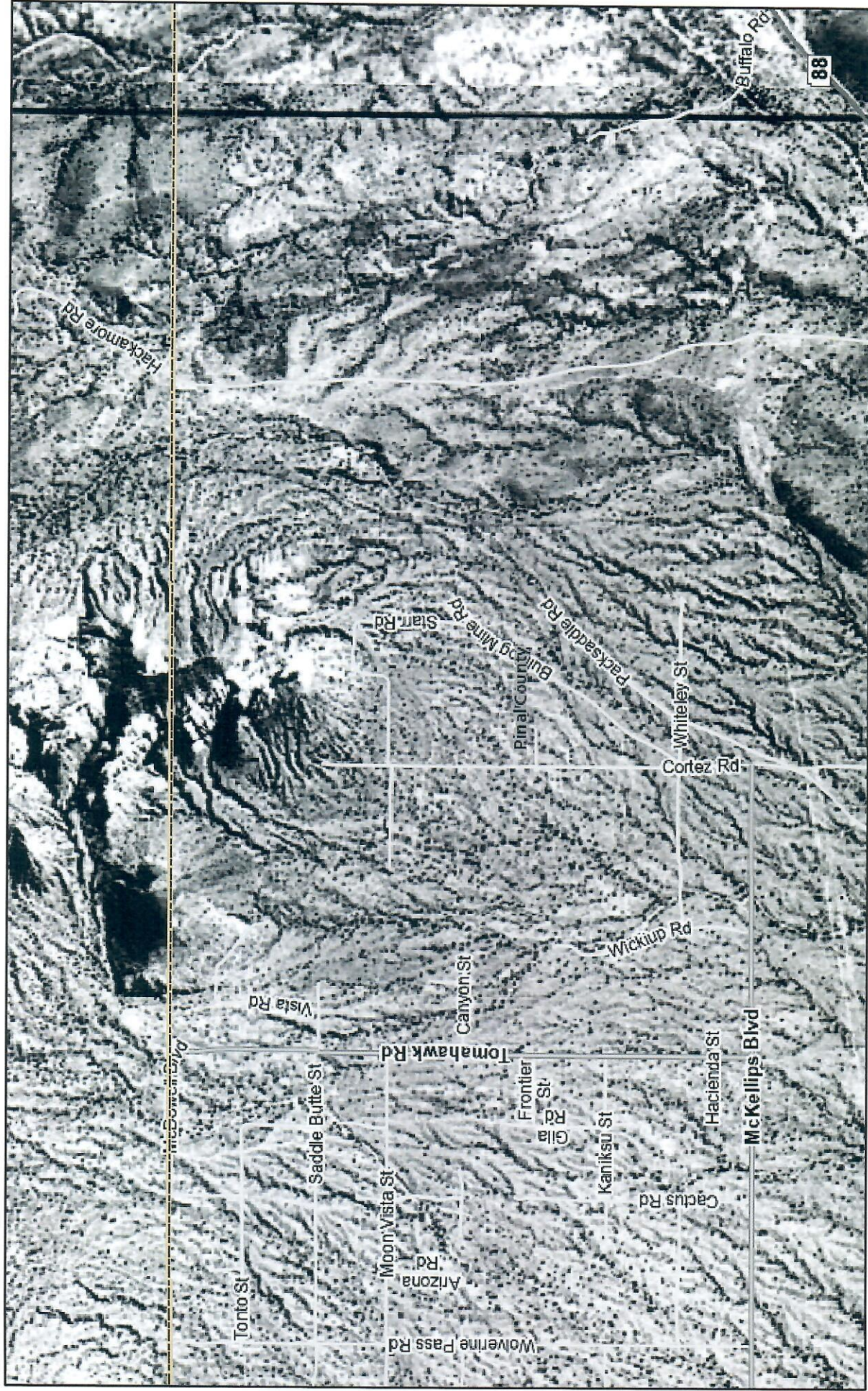
Google Earth

Image U.S. Geological Survey

1953



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), Office of Enterprise Technology/GIS
© 2020 Maricopa County



5/30/2022, 5:13:36 PM

County Arterial Highway State/US/Other Highway Local

1:18,056

0 0.13 0.25 0.4 0.5 mi
0 0.2 0.4 0.8 km

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand),

Office of Enterprise Technology/GIS
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APPENDIX D



ONE-MILE RADIUS REGULATORY DATABASE REPORT

RecCheck

The Standard for ASTM/AAI Radius Searches
(One Mile Environmental Records Search, Exceeds ASTM 1527/1528 and EPA All Appropriate Inquiry)

Report Results

REPORT RESULTS



Site Location:

Cortez Road
Apache Junction, AZ 85119
(N 33-27-32, W 111-31-13) NAD83

Client:

Enviro Geodetics, PLLC.

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EXECUTIVE SUMMARY

INFORMATION ON THE REQUESTED LOCATION

Site Address:	Cortez Road Apache Junction, AZ 85119
Client Project Name/Number:	Turquoise Valley 51922
Coordinates:	N 33-27-32, W 111-31-13 (NAD 83) 33.458832, -111.520212
Date of Report	May 31, 2022
ERS Project Number:	2104766941
Subject Site Listed on the following lists:	Not Listed
Subject Site Listed as Map ID#:	N/A
USGS 7.5 Minute Quad Map:	Apache Junction (Date Unavailable)
Subject Site Located within a Potential Area of Concern:	No
Township, Section and Range:	Township: 01N Range: 08E Section: 003
Site Elevation: (feet above or below (-) mean sea level)	1983
Flood Zone: (Digital Flood Insurance Rate Maps - DFIRMs) Only available digital data is provided	Panel: 04013C2310L, Effective Date: 10/16/2013 Zone X - Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level.
Fire Insurance Map Coverage:	There may be coverage of your site.
Radon Information:	EPA Radon Zone: 2 (Predicted avg for county: 2 to 4 pCi/L)
Search Radius Expansion Size: (In Miles)	1

Soil Type: (USDA Soil Survey Geographic Database) (SSURGO)	Map Unit Name: Pinamt-Tremant complex, 1 to 10 percent slopes Map Unit Type: Complex Drainage Class - Dominant Condition: Well drained General Information: Loamy-skeletal, mixed, superactive, hyperthermic Typic Calciargids Top 3 Map Unit Components are below (if available): Component Name: Unnamed soils, Tremant, Pinamt Component Percentage: 20%, 35%, 45% Hydric: No, No, No
Zip Codes Searched for "Un-Mappable" Sites:	Not Researched
Occurrence Count:	1

SUMMARY OF OCCURRENCES

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
1 Maps: 1 , 4	22 FAA APACHE JUNCTION RML	Not Reported by Agency	LUST-Closed-AZ	Closed	1.43 NW	492

POTENTIAL AREAS OF CONCERN/CONTAMINATION SUMMARY

DATABASE SEARCHED	SUBJECT SITE WITHIN POTENTIAL AREA OF CONCERN	AREAS FOUND WITHIN 1- MILE RADIUS
Brownfields-AZ	No	0
Close-WQARF-AZ	No	0
NPL-R9-US	No	0
EpaNPL-AZ	No	0
WQARF-AZ	No	0
LF-Pima-AZ	No	0
LF-FedState-AZ	No	0

DATABASE OCCURRENCE SUMMARY

HIGH RISK* OCCURRENCES IDENTIFIED IN REQUESTED SEARCH RADIUS		
DATABASE SEARCHED	DISTANCE SEARCHED (MILES)	HIGH RISK OCCURRENCES FOUND
ASPL-AZ	1.5	0
BF-Open-AZ	1.5	0
CERCLIS-US	1.5	0
LUST-Open-AZ	1.5	0
NPL-US	2	0
Proposed-NPL-US	2	0
RemOther-Open-AZ	1.5	0
SAA-Agreements-US	2	0
Tribal-LUST-Open-Reg10	1.5	0
Tribal-LUST-Open-Reg4	1.5	0
Tribal-LUST-Open-Reg9	1.5	0
Tribal-LUST-Reg7	1.5	0
VCP-Open-AZ	1.5	0

* For the purposes of this report, "high risk" occurrences are those that have known contamination and have not received a "case closed" or "no further action" status from the agency that maintains the records.

ASTM/AAI STANDARD RECORD SOURCES SUMMARY

STANDARD ENVIRONMENTAL RECORD SOURCES	ASTM MIN. SEARCH DIST. / ERS SEARCH DIST. (MILES)	ERS DATABASE NAME	TOTAL LISTINGS	MAP ID #'S
Federal NPL site list	1.0 / 1.0	NPL-US	0	None Listed
		Proposed-NPL-US	0	None Listed
Federal Delisted NPL site list	0.5 / 1.0	Delisted-NPL-US	0	None Listed
Federal CERCLIS list	0.5 / 0.5	CERCLIS-US	0	None Listed
Federal CERCLIS NFRAP site list	0.5 / 0.5	CERCLIS-Archived- US	0	None Listed
Federal RCRA CORRACTS facilities list	1.0 / 1.0	RCRA-COR-US	0	None Listed
Federal RCRA non-CORRACTS	0.5 / 0.5	RCRA-TSDF-US	0	None Listed

TSD facilities list				
Federal RCRA generators list	Property and adjoining properties / 0.25	RCRA-CESQG-US	0	None Listed
		RCRA-LQG-US	0	None Listed
		RCRA-NON-US	0	None Listed
		RCRA-SQG-US	0	None Listed
Federal Inst/Eng control registries	Property Only / 0.25	Controls-RCRA-US	0	None Listed
		Controls-US	0	None Listed
		Hist-US-EC	0	None Listed
		Hist-US-IC	0	None Listed
		LIENS-US	0	None Listed
Federal ERNS list	Property Only / 0.0625	ERNS-US	0	None Listed
State and Tribal-Equivalent NPL	1.0 / 1.0	Not Reported by Agency	0	None Listed
State and Tribal-Equivalent CERCLIS	0.5 / 0.5	ASPL-AZ	0	None Listed
		Hist-SS-AZ	0	None Listed
State and Tribal landfill and/or solid waste disposal sites	0.5 / 0.5	Debris-US	0	None Listed
		Hist-Dumps-US	0	None Listed
		SWF-AZ	0	None Listed
		SWF-Closed-AZ	0	None Listed
		SWLF-US	0	None Listed
		Transfer-AZ	0	None Listed
		Tribal-ODI-US	0	None Listed
		LUST-Closed-AZ	1	1
State and Tribal Leaking Storage Tank Lists	0.5 / 0.5	LUST-Open-AZ	0	None Listed
		LUST-Suspected-AZ	0	None Listed
		Tribal-LUST-Closed-Reg4	0	None Listed
		Tribal-LUST-Closed-Reg9	0	None Listed
		Tribal-LUST-Open-Reg10	0	None Listed
		Tribal-LUST-Open-Reg4	0	None Listed
		Tribal-LUST-Open-Reg9	0	None Listed
		Tribal-LUST-Reg1	0	None Listed
		Tribal-LUST-Reg7	0	None Listed
		AST2-AZ	0	None Listed
State and Tribal Registered Storage Tank Lists	Property and adjoining properties / 0.25	AST-AZ	0	None Listed
		FEMA-UST-US	0	None Listed
		Tribal-UST-Reg1	0	None Listed
		Tribal-UST-Reg10	0	None Listed

		Tribal-UST-Reg4	0	None Listed
		Tribal-UST-Reg7	0	None Listed
		Tribal-UST-Reg9	0	None Listed
		UST-AZ	0	None Listed
State and Tribal Inst/Eng Control Registries	Property Only / 0.5	Controls-AZ	0	None Listed
State and Tribal Voluntary Cleanup Sites	0.5 / 0.5	Tribal-VCP-US	0	None Listed
		VCP-Closed-AZ	0	None Listed
		VCP-Open-AZ	0	None Listed
		VCP-Other-AZ	0	None Listed
State and Tribal Brownfield Sites	0.5 / 0.5	BF-Closed-AZ	0	None Listed
		BF-Open-AZ	0	None Listed
		BF-Tribal-US	0	None Listed

FEDERAL ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125 MILES	1.25 MILES	1.5 MILES	2 MILES	TOTAL
BF-Tribal-US	1.5	0	0	0	0	-	0
BF-US	1.5	0	0	0	0	-	0
CERCLIS-Archived-US	1.5	0	0	0	0	-	0
CERCLIS-US	1.5	0	0	0	0	-	0
Controls-RCRA-US	1.5	0	0	0	0	-	0
Controls-US	1.5	0	0	0	0	-	0
Debris-US	1.5	0	0	0	0	-	0
Delisted-NPL-US	2	0	0	0	0	0	0
ERNS-US	1.0625	0	0	-	-	-	0
FEMA-UST-US	1.25	0	0	0	-	-	0
FTTS-ENF-US	1.25	0	0	0	-	-	0
Hist-Dumps-US	1.5	0	0	0	0	-	0
Hist-US-EC	1.5	0	0	0	0	-	0
Hist-US-IC	1.5	0	0	0	0	-	0
HMS-US	1.0625	0	0	-	-	-	0
LIENS-US	1.0625	0	0	-	-	-	0
NPL-US	2	0	0	0	0	0	0
PADS-US	1.0625	0	0	-	-	-	0
PCB-US	1.25	0	0	0	-	-	0
Proposed-NPL-US	2	0	0	0	0	0	0
RCRA-CESQG-US	1.25	0	0	0	-	-	0
RCRA-COR-US	2	0	0	0	0	0	0
RCRA-LQG-US	1.25	0	0	0	-	-	0
RCRA-NON-US	1.25	0	0	0	-	-	0
RCRA-SQG-US	1.25	0	0	0	-	-	0
RCRA-TSDF-US	1.5	0	0	0	0	-	0
SAA-Agreements-US	2	0	0	0	0	0	0
SWLF-US	1.5	0	0	0	0	-	0
Tribal-LUST-Closed-Reg4	1.5	0	0	0	0	-	0
Tribal-LUST-Closed-Reg9	1.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg10	1.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg4	1.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg9	1.5	0	0	0	0	-	0
Tribal-LUST-Reg1	1.5	0	0	0	0	-	0
Tribal-LUST-Reg7	1.5	0	0	0	0	-	0
Tribal-ODI-US	1.5	0	0	0	0	-	0
Tribal-UST-Reg1	1.25	0	0	0	-	-	0
Tribal-UST-Reg10	1.25	0	0	0	-	-	0

FEDERAL ASTM/AAI DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125 MILES	1.25 MILES	1.5 MILES	2 MILES	TOTAL
Tribal-UST-Reg4	1.25	0	0	0	-	-	0
Tribal-UST-Reg7	1.25	0	0	0	-	-	0
Tribal-UST-Reg9	1.25	0	0	0	-	-	0
Tribal-VCP-US	1.5	0	0	0	0	-	0

STATE ASTM/AAI DATABASES

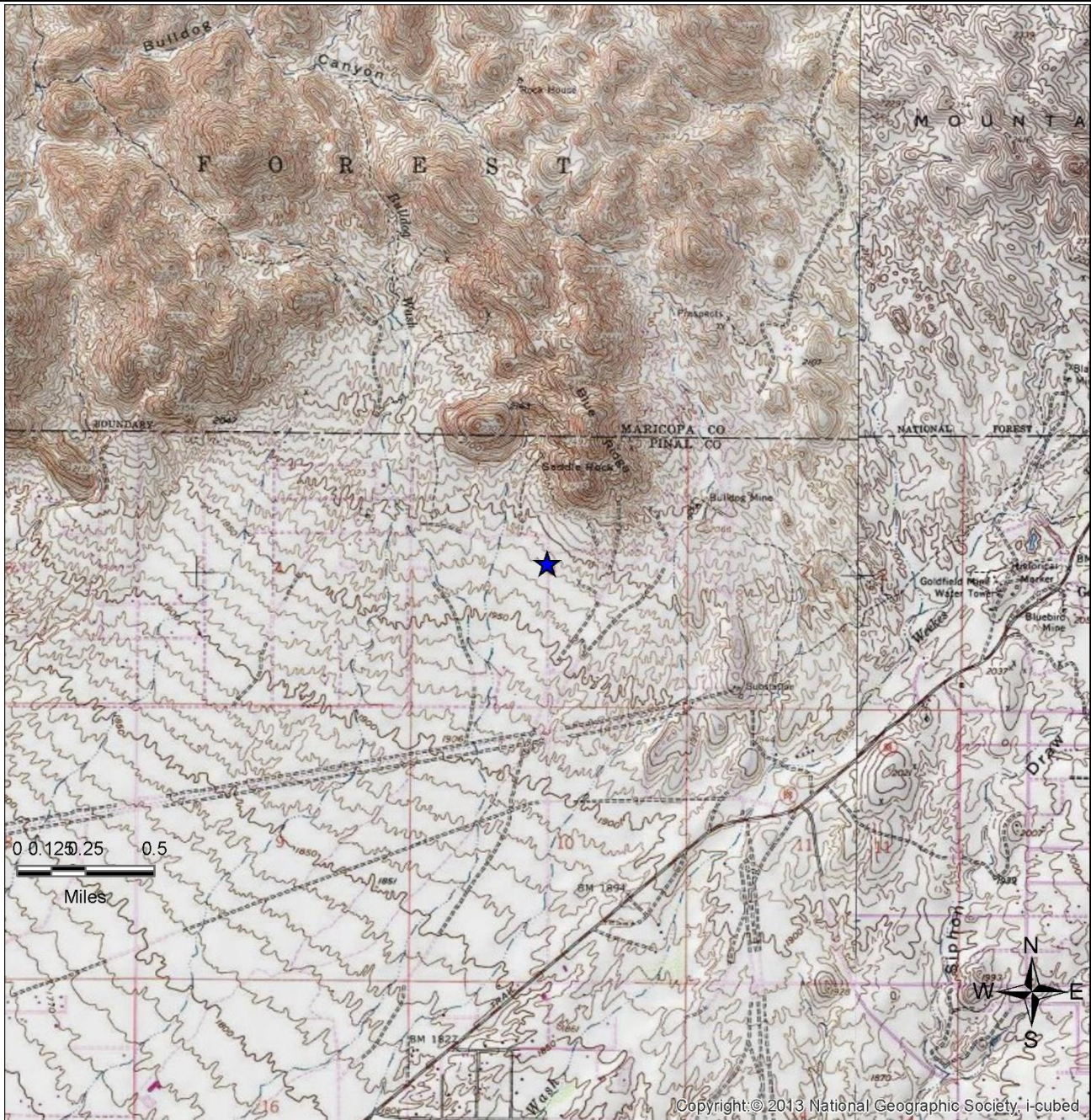
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125 MILES	1.25 MILES	1.5 MILES	2 MILES	TOTAL
ASPL-AZ	1.5	0	0	0	0	-	0
AST2-AZ	1.25	0	0	0	-	-	0
AST-AZ	1.25	0	0	0	-	-	0
BF-Closed-AZ	1.5	0	0	0	0	-	0
BF-Open-AZ	1.5	0	0	0	0	-	0
Controls-AZ	1.5	0	0	0	0	-	0
Hist-SPILLS-AZ	1.0625	0	0	-	-	-	0
Hist-SS-AZ	1.5	0	0	0	0	-	0
LUST-Closed-AZ	1.5	0	0	0	1	-	1
LUST-Open-AZ	1.5	0	0	0	0	-	0
LUST-Suspected-AZ	1.5	0	0	0	0	-	0
Oil-Centers-AZ	1.5	0	0	0	0	-	0
RemOther-Closed-AZ	1.5	0	0	0	0	-	0
RemOther-Open-AZ	1.5	0	0	0	0	-	0
SWF-AZ	1.5	0	0	0	0	-	0
SWF-Closed-AZ	1.5	0	0	0	0	-	0
Transfer-AZ	1.5	0	0	0	0	-	0
UST-AZ	1.25	0	0	0	-	-	0
VCP-Closed-AZ	1.5	0	0	0	0	-	0
VCP-Open-AZ	1.5	0	0	0	0	-	0
VCP-Other-AZ	1.5	0	0	0	0	-	0

SUPPLEMENTAL DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125 MILES	1.25 MILES	1.5 MILES	2 MILES	TOTAL
Not Searched							

PROPRIETARY HISTORIC DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	1.125 MILES	1.25 MILES	1.5 MILES	2 MILES	TOTAL
Not Searched							



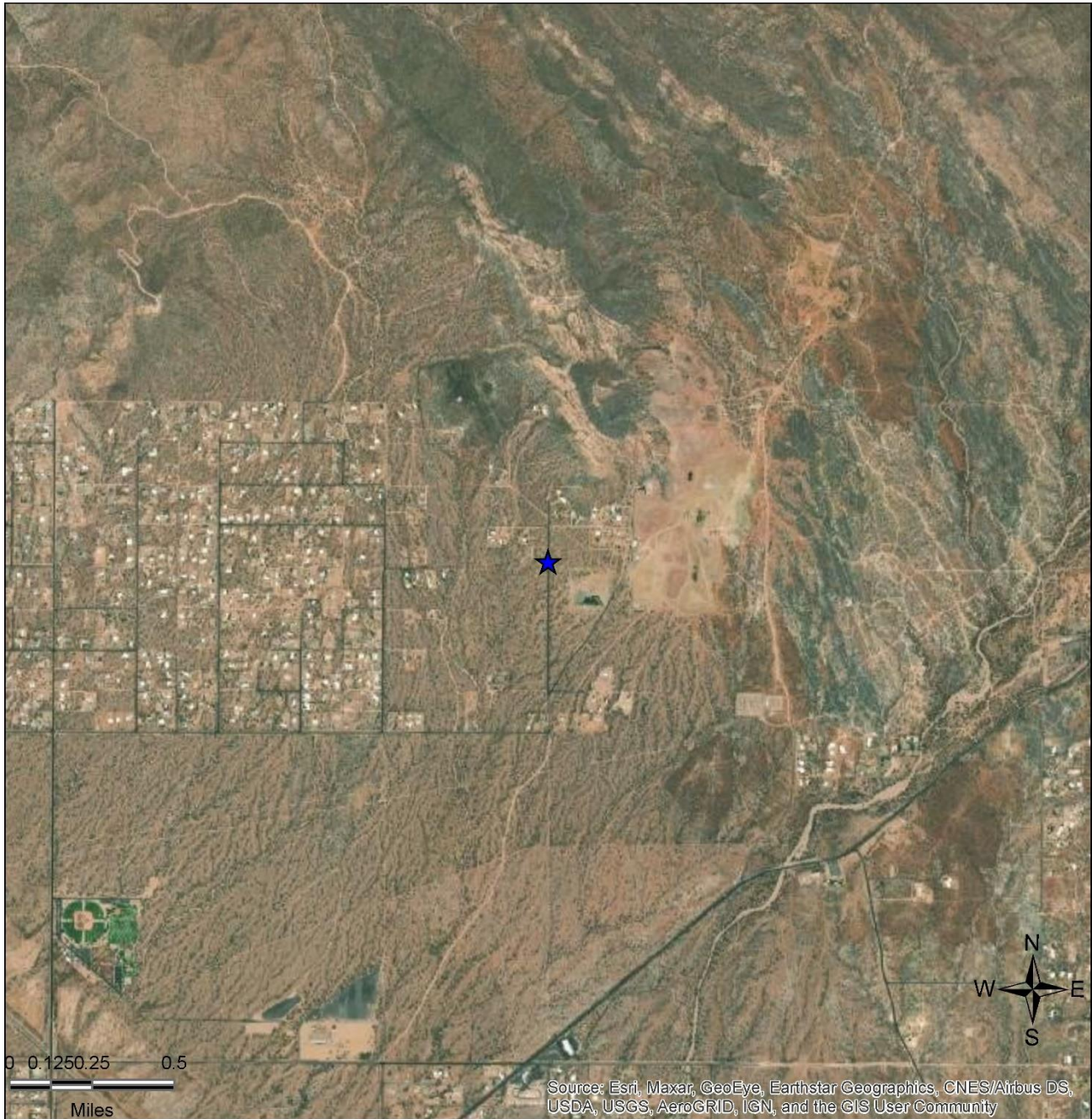
SITE LOCATION TOPOGRAPHIC MAP

U.S. Geological Survey. Apache Junction (Date Unavailable) Quadrangle, 7.5 Minute Series

Enviro Geodetics, PLLC.

Cortez Road
Apache Junction, AZ 85119

FIGURE: 1
JOB: 51922
DATE: 5/31/2022



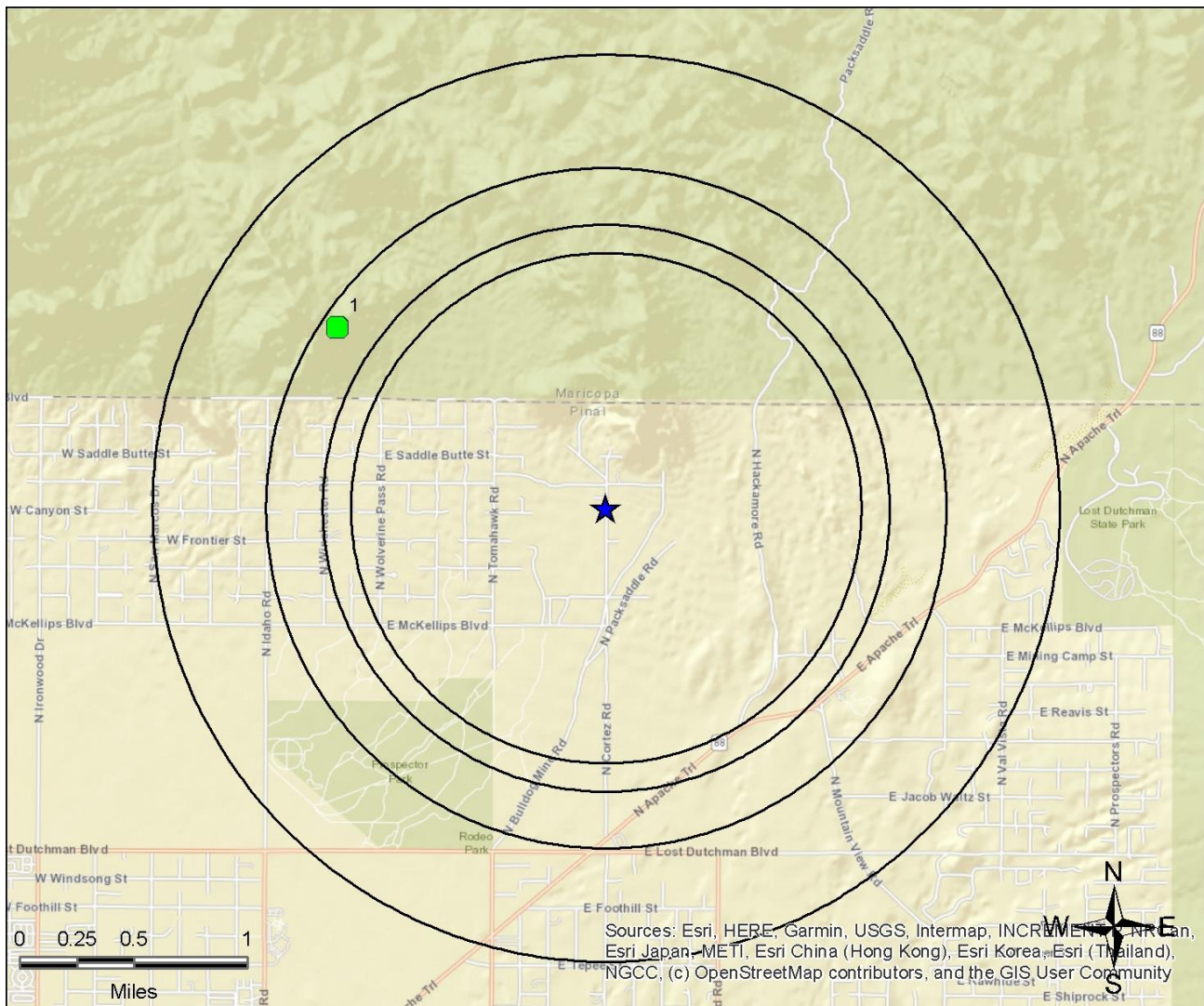
SITE LOCATION MAP

Enviro Geodetics, PLLC.

Cortez Road
Apache Junction, AZ 85119

FIGURE: 2
JOB: 51922
DATE: 5/31/2022

2-MILE RADIUS STREET MAP W/OCCURRENCES (MAP1)

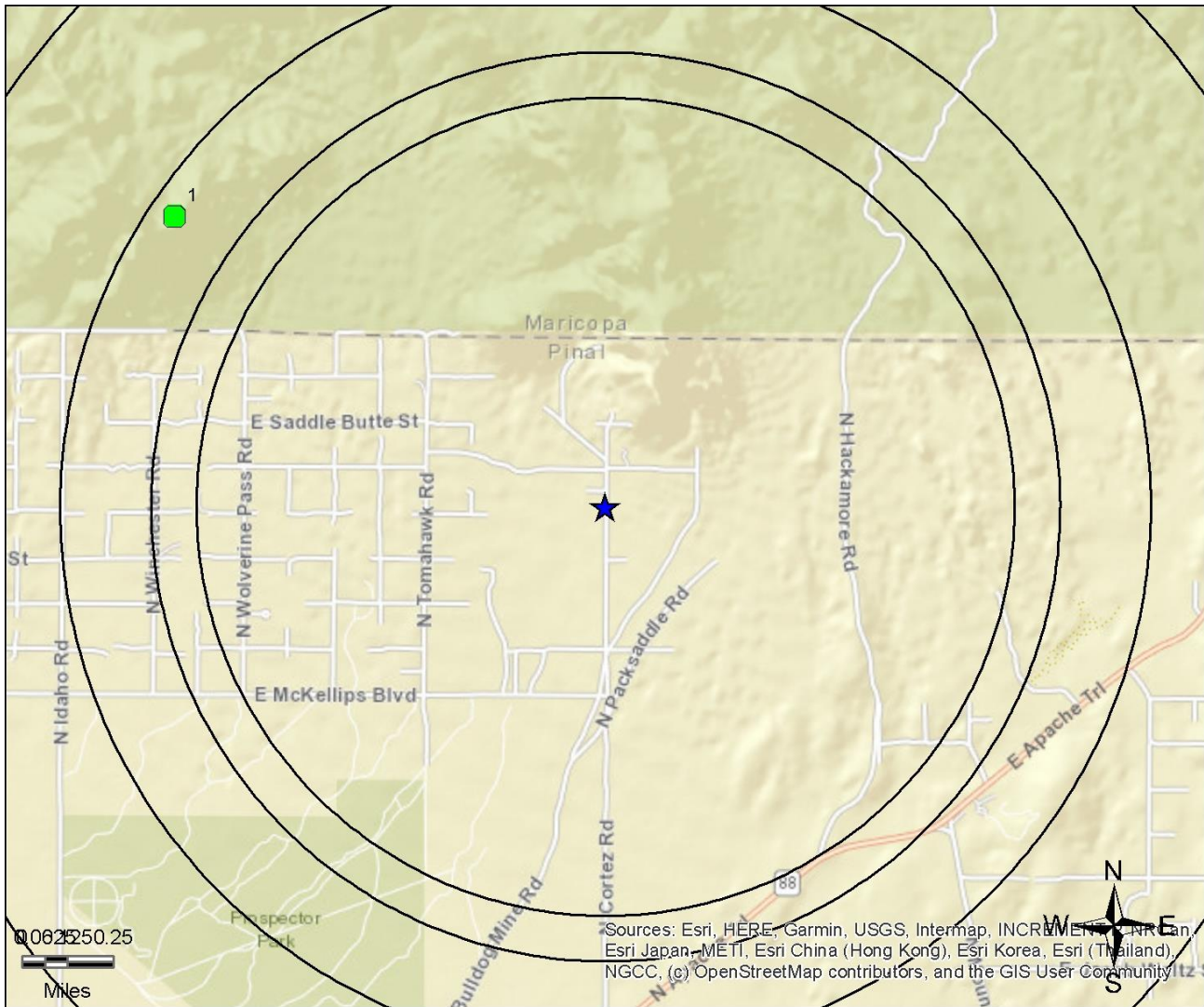


Legend

Federal NPL	Federal RCRA non-CORRECTS TSD	Federal Emergency Release Reports	State/Tribal UST	ERS Supplemental Govt Sources
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield	ERS Exclusive Historic Sources
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls	
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste	
Federal LUST	Federal Brownfield	State/Tribal UST	State/Tribal RCRA Equivalent	
Federal RCRA CORRECTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other	

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

1.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)

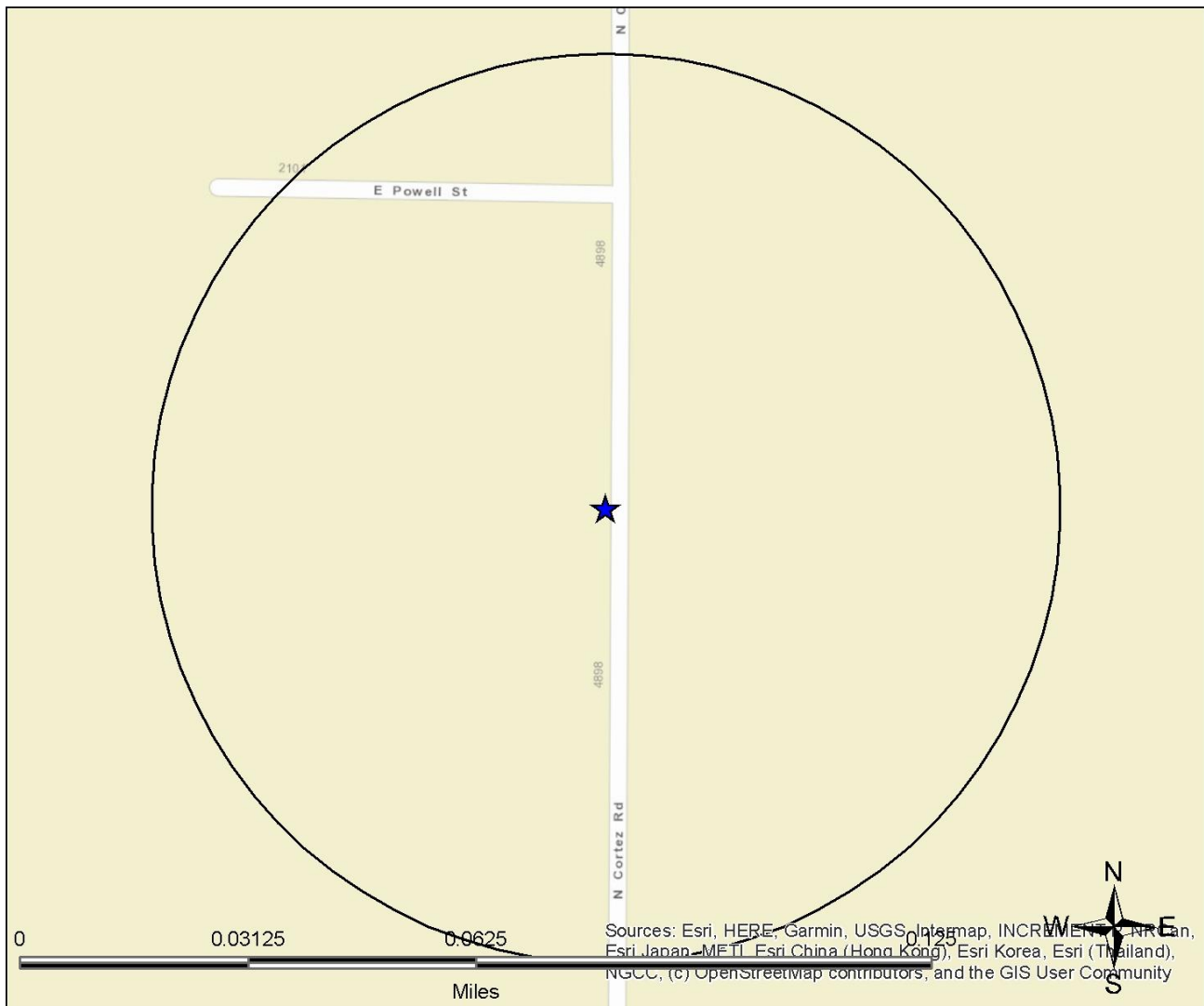


Legend

Federal NPL	Federal RCRA non-CORRECTS TSD	Federal Emergency Release Reports	State/Tribal UST	ERS Supplemental Govt Sources
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield	ERS Exclusive Historic Sources
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls	
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste	
Federal LUST	Federal Brownfield	State/Tribal UST	State/Tribal RCRA Equivalent	
Federal RCRA CORRECTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other	

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

0.0625-MILE RADIUS STREET MAP W/ OCCURRENCES (MAP3)

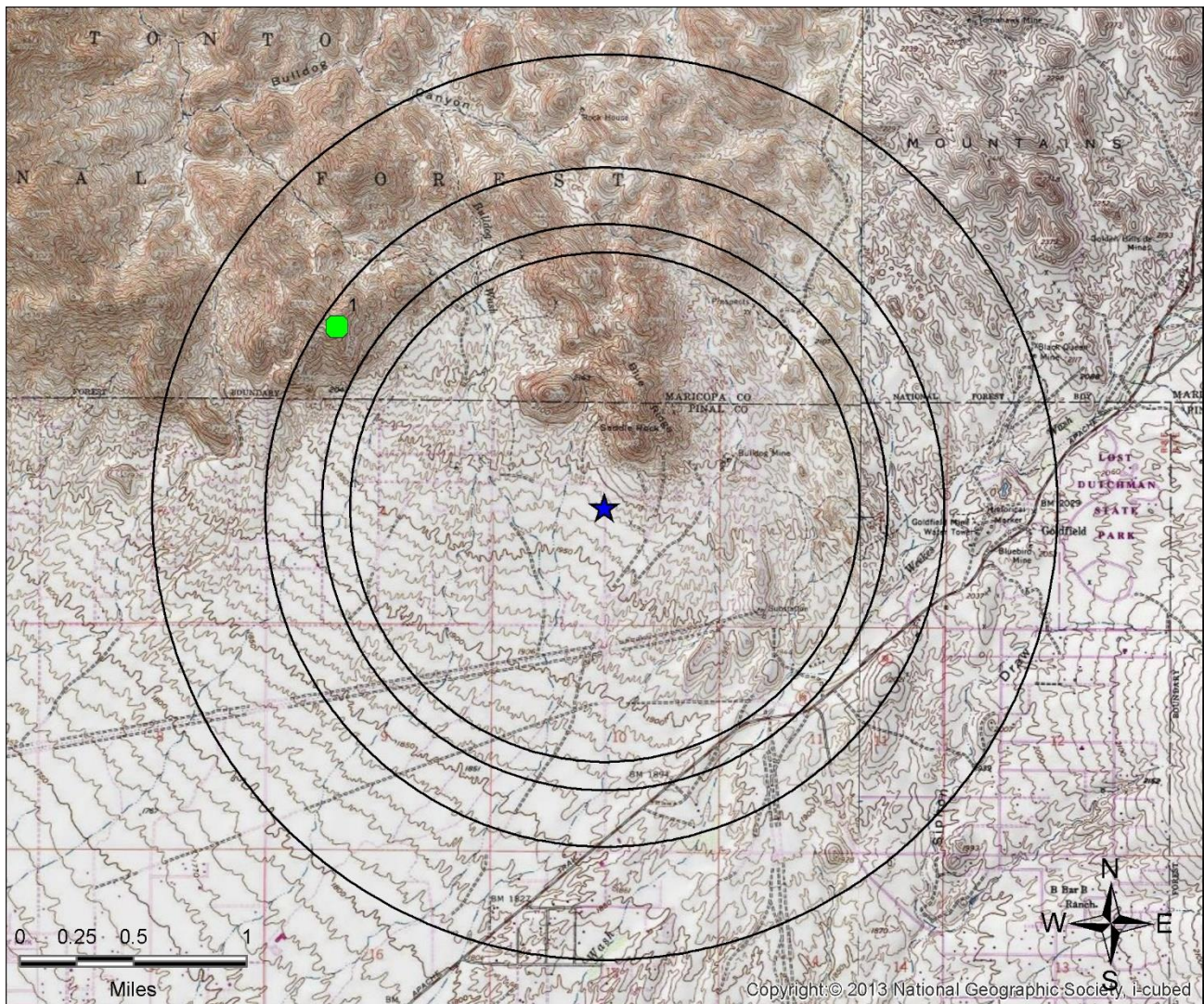


Legend

Federal NPL	Federal RCRA non-CORRACTS TSD	Federal Emergency Release Reports	State/Tribal UST	ERS Supplemental Govt Sources
Federal Delisted NPL	Federal RCRA Generators	Emergency Release Reports	State/Tribal Brownfield	ERS Exclusive Historic Sources
Federal CERCLIS	Federal UST	State/Tribal NPL	State/Tribal Inst/Eng Controls	
Federal CERCLIS NFRAP	Federal Inst/Eng Controls	State/Tribal CERCLIS Equivalent	State/Tribal Landfill/Solid Waste	
Federal LUST	Federal Brownfield	State/Tribal LUST	State/Tribal RCRA Equivalent	
Federal RCRA CORRACTS	Federal ERNS	State/Tribal Voluntary Cleanup Sites	State/Tribal ASTM Other	

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

2-MILE TOPOGRAPHIC MAP W/OCCURRENCES (MAP4)



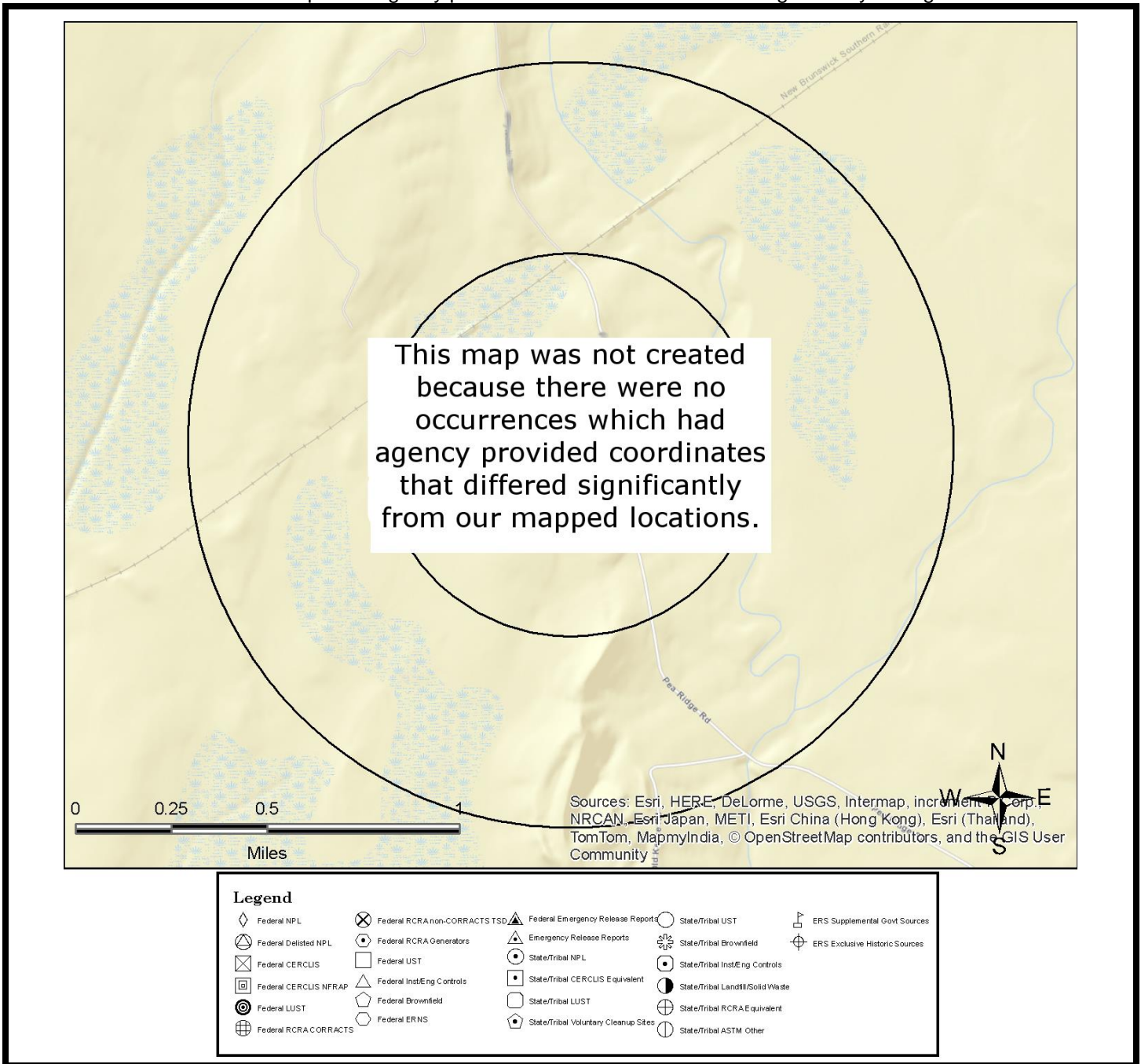
Legend

◇ Federal NPL	⊗ Federal RCRA non-CORRECTS TSD	▲ Federal Emergency Release Reports	○ State/Tribal UST	📍 ERS Supplemental Govt Sources
⊖ Federal Delisted NPL	● Federal RCRA Generators	▲ Emergency Release Reports	⊗ State/Tribal Brownfield	⚡ ERS Exclusive Historic Sources
⊠ Federal CERCLIS	□ Federal UST	● State/Tribal NPL	⬛ State/Tribal Inst/Eng Controls	
⊠ Federal CERCLIS NFRAP	△ Federal Inst/Eng Controls	⬛ State/Tribal CERCLIS Equivalent	⬛ State/Tribal Landfill/Solid Waste	
⊙ Federal LUST	⬜ Federal Brownfield	○ State/Tribal LUST	⊕ State/Tribal RCRA Equivalent	
⊕ Federal RCRA CORRECTS	⬜ Federal ERNS	⬜ State/Tribal Voluntary Cleanup Sites	⬜ State/Tribal ASTM Other	

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

AGENCY DIFFERENCES IN MAPPED LOCATIONS (MAP5)

Note: Occurrences on this map have agency provided coordinates which differ significantly from geocoded locations.



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SUMMARY OF AGENCY DIFFERENCES

MAP ID	ID / SITE NAME	ADDRESS / DATABASE	AGENCY COORDINATES	DISTANCE (MILES)	DIRECTION
N/A	No occurrences were identified where the agency provided coordinates that differed significantly from our mapped locations.				

LISTED OCCURRENCE DETAILS

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
LUST-Closed-AZ	Closed	1.43 miles NW	2475 ft (492 ft higher than site)	1
SITE NAME			MAPS	ID
FAA APACHE JUNCTION RML			1, 4	22
ADDRESS			CITY	ZIP
Not Reported by Agency			MESA	
DETAILS				
<p>ADEQ Leaking Underground Storage Tank Information URL: https://legacy.azdeq.gov/databases/lustsearch_drupal.html LUST Number: 1429 Discovery Date: 1990/08/17 07:00:00+00 Place ID: 33598 Place Type: GOVERNMENT FACILITY Facility ID: 0-000045 Case Number: 1429.01 Cadastral: Not Reported Priority: Closed soil-only CoC levels meet RBCA Tier 1 standards Report Date: 1990/09/04 07:00:00+00 Confirmation Date: 1990/08/17 07:00:00+00</p> <p>EMap Information UST Facility ID: 0-000045 Facility Place Number: 33598 Class: 4 Place Name: FAA APACHE JUNCTION RML Place type: GOVERNMENT FACILITY Agency Provided Latitude: 33.47042592 Agency Provided Longitude: -111.5407587 Lust Number: 1429.01 FID: 2568 STATUS: Closed Priority: Closed soil levels meet RBCA Tier 1</p> <p>More Details Link</p>				

RECORDS SOURCES SEARCHED

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
ASPL-AZ	Arizona Superfund Program List	State/Tribal CERCLIS Equivalent	Click Here	None Found
AST2-AZ	Aboveground Storage Tanks	State/Tribal UST	Click Here	None Found
AST-AZ	Storage Tank Facility Data, ASTs (aka Registered Aboveground Storage Tanks)	State/Tribal UST	Click Here	None Found
BF-Closed-AZ	Brownfields Assistance Program Site List, Open Cases (aka Brownfields Tracking System)	State/Tribal Brownfield	Click Here	None Found
BF-Open-AZ	Brownfields Assistance Program Site List, Closed Cases (aka Brownfields Tracking System)	State/Tribal Brownfield	Click Here	None Found
BF-Tribal-US	Historical Tribal Brownfields	Federal Brownfield	Click Here	None Found
BF-US	Brownfields Sites	Federal Brownfields	Click Here	None Found
Brownfields-AZ	Brownfield Site Boundaries	State/Tribal Brownfield	Click Here	None Found
CERCLIS-Archived-US	CERCLIS sites that have been archived	Federal CERCLIS NFRAP	Click Here	None Found
CERCLIS-US	Comprehensive Environmental Response, Compensation, and Liability Information System	Federal CERCLIS	Click Here	None Found
Close-WQARF-AZ	Closed Water Quality Assurance Revolving Fund (WQARF) Sites.	State/Tribal NPL	Click Here	None Found
Controls-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) (aka AUL, Environmental Use Restriction Sites)	State/Tribal Inst/Eng Controls	Click Here	None Found
Controls-RCRA-US	RCRA Institutional and Engineering Controls Summary (aka Federal RCRA with Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Controls-US	US CERCLA Sites with Controls (aka US IC/EC, Institutional/Engineering List Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Debris-US	Historical Debris Sites	Federal Solid Waste	Click Here	None Found
Delisted-NPL-US	Delisted NPL Sites	Federal Delisted NPL	Click Here	None Found
EpaNPL-AZ	Arizona National Priority List	State/Tribal NPL	Click Here	None Found
ERNS-US	Emergency Response Notification System	Federal ERNS	Click Here	None Found
FEMA-UST-US	Historical FEMA Underground Storage Tanks	Federal UST	Click Here	None Found
FTTS-ENF-US	Historical FIFRA/TSCA Tracking System (FTTS) Enforcement Actions	Federal ASTM Other	Click Here	None Found

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist-Dumps-US	Historical Dumps Inventory of 1985	Federal Solid Waste	Click Here	None Found
Hist-SPILLS-AZ	Historical Arizona Spills Reported	Emergency Release Reports	Click Here	None Found
Hist-SS-AZ	Historical Superfund Sites	State/Tribal CERCLIS Equivalent	Click Here	None Found
Hist-US-EC	Historical Engineering Controls Sites (aka US EC, Engineering Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Hist-US-IC	Historical Sites with Institutional Controls (aka US IC, Institutional Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
HMIS-US	Hazardous Materials Information System	Federal Emergency Release Reports	Click Here	None Found
LF-FedState-AZ	Federal Owned Landfills, Pima County	State/Tribal Solid Waste	Click Here	None Found
LF-Pima-AZ	Pima County and City of Tucson Landfills	State/Tribal Solid Waste	Click Here	None Found
LIENS-US	Superfund Liens	Federal Institutional/Engineering Controls	Click Here	None Found
LUST-Closed-AZ	Leaking Underground Storage Tank (LUST) Database, Closed Cases	State/Tribal LUST	Click Here	1
LUST-Open-AZ	Leaking Underground Storage Tank (LUST) Database, Open Cases	State/Tribal LUST	Click Here	None Found
LUST-Suspected-AZ	Leaking Underground Storage Tanks, Suspected Cases	State/Tribal LUST	Click Here	None Found
NPL-R9-US	NPL Region 9 Site Boundaries	Federal NPL	Click Here	None Found
NPL-US	National Priorities List	Federal NPL	Click Here	None Found
Oil-Centers-AZ	Used Oil Collection Centers	State/Tribal ASTM Other Med	Click Here	None Found
PADS-US	PCB Registration Database System	Federal ASTM Other	Click Here	None Found
PCB-US	PCB Transformers	Federal ASTM Other	Click Here	None Found
Proposed-NPL-US	Proposed NPL Sites	Federal NPL	Click Here	None Found
RCRA-CESQG-US	Resource Conservation and Recovery Act, Conditionally Exempt Small Quantity Generators (aka RCRA CESQG)	Federal RCRA Generators	Click Here	None Found
RCRA-COR-US	Resource Conservation and Recovery Act, - Corrective Actions (aka RCRA CORRACTS)	Federal RCRA CORRACTS	Click Here	None Found

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
RCRA-LQG-US	Resource Conservation and Recovery Act, Large Quantity Generators (aka RCRA LQG)	Federal RCRA Generators	Click Here	None Found
RCRA-NON-US	Resource Conservation and Recovery Act, Non-Hazardous Generators (aka RCRA Non-Haz, RCRA NonGen, RCRA No longer Regulated)	Federal RCRA Generators	Click Here	None Found
RCRA-SQG-US	Resource Conservation and Recovery Act, Small Quantity Generators (aka RCRA SQG)	Federal RCRA Generators	Click Here	None Found
RCRA-TSDF-US	Resource Conservation and Recovery Act -, Treatment, Storage, and Disposal Facilities (aka RCRA TSD, RCRA TSDF)	Federal RCRA non-CORRACTS TSD	Click Here	None Found
RemOther-Closed-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) Search, Other Remediation Sites, Closed Cases	State/Tribal ASTM Other Low	Click Here	None Found
RemOther-Open-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) Search, Other Remediation Sites, Open Cases	State/Tribal ASTM Other High	Click Here	None Found
SAA-Agreements-US	Sites with Superfund Alternative Approach Agreements	Federal ASTM Other	Click Here	None Found
SWF-AZ	Active Municipal Solid Waste Landfills (aka Directory of Solid Waste Facilities)	State/Tribal Landfill/Solid Waste	Click Here	None Found
SWF-Closed-AZ	Closed Solid Waste Facilities	State/Tribal Landfill/Solid Waste	Click Here	None Found
SWLF-US	Solid Waste Facilities	Federal Solid Waste	Click Here	None Found
Transfer-AZ	Arizona Solid Waste Transfer Stations	State/Tribal Landfill/Solid Waste	Click Here	None Found
Tribal-LUST-Closed-Reg4	Tribal Leaking Underground Storage Tanks, Region 4, Closed Cases (aka Indian LUST)	Federal LUST	Click Here	None Found
Tribal-LUST-Closed-Reg9	Tribal Leaking Underground Storage Tanks, Region 9 (aka Indian LUST)	Federal LUST	Click Here	None Found
Tribal-LUST-Open-Reg10	Tribal Leaking Underground Storage Tanks (aka Indian LUST)	Federal LUST	Click Here	None Found
Tribal-LUST-Open-Reg4	Tribal Leaking Underground Storage Tanks, Region 4, Open Cases (aka Indian LUST)	Federal LUST	Click Here	None Found
Tribal-LUST-Open-Reg9	Tribal Leaking Underground Storage Tanks , Region 9 (aka Indian LUST)	Federal LUST	Click Here	None Found

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Tribal-LUST-Reg1	Tribal Leaking Underground Storage Tanks (aka Indian LUST)	Federal LUST	Click Here	None Found
Tribal-LUST-Reg7	Tribal Leaking Underground Storage Tanks, Region 7 (aka Indian LUST)	Federal LUST	Click Here	None Found
Tribal-ODI-US	Tribal Open Dump Sites	Federal Solid Waste	Click Here	None Found
Tribal-UST-Reg1	Tribal Underground Storage Tanks (aka INDIAN UST)	Federal UST	Click Here	None Found
Tribal-UST-Reg10	Tribal Underground Storage Tanks (aka Indian UST)	Federal UST	Click Here	None Found
Tribal-UST-Reg4	Tribal Underground Storage Tanks (aka INDIAN UST)	Federal UST	Click Here	None Found
Tribal-UST-Reg7	Tribal Underground Storage Tanks, Region 7 (aka UST)	Federal UST	Click Here	None Found
Tribal-UST-Reg9	Tribal Underground Storage Tanks (aka Tribal UST)	Federal UST	Click Here	None Found
Tribal-VCP-US	Tribal VCP	Federal Tribal VCP	Click Here	None Found
UST-AZ	Storage Tank Facility Data, USTs (aka Underground Storage Tank Listing)	State/Tribal UST	Click Here	None Found
VCP-Closed-AZ	Voluntary Remediation Program Sites, Closed Cases	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-Open-AZ	Voluntary Remediation Program Sites, Open Cases	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-Other-AZ	Voluntary Remediation Program Sites	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
WQARF-AZ	Water Quality Assurance Revolving Fund (WQARF) Sites	State/Tribal NPL	Click Here	None Found

UN-MAPPABLE OCCURRENCES

The following occurrences were not mapped primarily due to incomplete or inaccurate address information. All of the following occurrences were determined to share the same zip code as the area searched. General status information is given with each occurrence along with any address information entered by the agency responsible for the list.

ID	Facility Name	Address	Database	Status
No "un-mapped" sites requested.				

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The data presented in this report should only be interpreted by an experienced environmental professional, as per EPA definition, that completely understands the potential inaccuracy of the data derived from others, the possible existence of contaminated occurrences that have not been listed, and the possibility that the governmental database misrepresents the actual status of an occurrence or listing. Prior to relying completely on any of the data within this report, an environmental professional should verify the accuracy of the information presented unless one of ERS's Environmental Professionals has interpreted the data and/or report.

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ENVIRONMENTAL ACRONYMS

AA.....	Administering Agency
ACM.....	Asbestos Containing Materials
AHERA.....	Asbestos Hazard Emergency Response Act, 1986
AHM.....	Acutely Hazardous Materials
AQMD.....	Air Quality Management District
CEG.....	Certified Engineering Geologist
CERCLA.....	Comprehensive Environmental Response, Comprehensive Liability Act of 1980 (Federal Superfund), 42 USC 9601 et seq.
CERCLIS.....	Comprehensive Environmental Response, Compensation, and Liability Information System
CFR.....	Code of Federal Regulations
EIR.....	Environmental Impact Report
EIS.....	Environmental Impact Statement
EPA.....	Environmental Protection Agency (Federal)
EPA #.....	Generator # for RCRA manifesting
HMBP.....	Hazardous Materials Business Plans, H&S Code 25504
HWIS.....	Hazardous Waste Information System
LUFT.....	Leaking Underground Fuel Tank
LUST.....	Leaking Underground Storage Tank
MSDS.....	Material Safety Data Sheet
NEPA.....	National Environmental Policy Act
NIOSH.....	National Institute for Occupational Safety & Health
NPDES.....	National Pollution Discharge Elimination System (CWA)
NPL.....	National Priority List (Federal Superfund)
OEA.....	Office of Environmental Affairs
OSHA.....	Occupational Safety and Health Administration (Federal)
PCB.....	Polychlorinated biphenyl
POTW.....	Publicly-Owned Treatment Works
ppb.....	part per billion
ppm.....	part per million
PRP.....	Potentially Responsible Party (in Superfund site)
RAP.....	Remedial Action Plan
RCRA.....	Resource Conservation and Recovery Act (Federal) 42 USC 6902, 40 CFR
R&D.....	Research and Development
REA.....	Registered Environmental Assessor
RG.....	Registered Geologist
RI/FS.....	Remedial Investigation/Feasibility Study
ROD.....	Record of Decision (CERCLA)
RP.....	Responsible Party (CERCLA) 42 UCF 9607(a)
RQ.....	Reportable Quantity (under DOT CERCLA and SARA Title III)
RWQCB.....	Regional Water Quality Control Board
SARA.....	Superfund amendments and Reauthorization Act of 1986

.....SARA Title III Emergency Preparedness and Community
.....Right-to-Know section
SB.....Senate Bill
SICStandard Industrial Classification
.....(company description)
SOPStandard Operating Procedures
SWA.....Solid Waste Act (a/k/a RCRA)
SWMUSolid Waste Management Unit
TPCAToxic Pits Cleanup Act H&S Code 25208 et seq.
TSCAToxic Substance Control Act (Federal)
.....15 USC 2601 et seq.
TSDTreatment, Storage, and Disposal Facilities (permitted by RCRA) H&S Code
.....25123.3
TSDF.....Treatment, Storage, Disposal Facility (hazardous waste)
UBCUniform Building Code
UFC.....Uniform Fire Code
UST.....Underground Storage Tank
UM.....Uniform Manifest
USTUnderground Storage Tanks
VOCVolatile Organic Compound H&S 25123.6
WDRWaste Discharge Requirements
WWTPWastewater Treatment Plant

SELECTED DEFINITIONS

ASPIS - This database lists potentially hazardous waste sites identified by the Historical Abandoned site Survey Program.

CERCLIS - The Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) is commonly referred to as "Superfund". The United States Environmental Protection Agency maintains a database referred to as "CERCLIS", which is used by the EPA to track activities conducted under its Superfund Program.

Sites which come to EPA's attention that may have a potential for releasing hazardous substances into the environment are added to the CERCLIS inventory. EPA learns of these sites in various ways. Examples include notification by the owner, citizen complaints, state and local government identification, and as a result of other EPA investigations.

NPL - The United States Environmental Protection Agency (EPA) maintains a National Priorities List (NPL) under the Comprehensive Environmental Response and Liability Act of 1980 (CERCLA), 42 U.S.C. Section 9601 (1985). Sites which have previously been designated on the CERCLIS List are evaluated by the EPA and ranked according to potential risk to human health and the environmental. Those CERCLIS sites which present the greatest risk are added to the NPL, which qualifies them to receive remedial funding Through CERCLA.

RCRA - The following list has been compiled from a search of the RCRA data base list for generators (gen), transporters (trans), and treatment storage disposal facilities (TSDF) of hazardous materials. All generators of waste material are required by the Department of Health Services to have hazardous material removed from the site every sixty days. The list is generally representative of the type of businesses in the region surrounding the subject property.

REPORT SIGNATURE SHEET AND CERTIFICATION

The undersigned hereby certifies that:

The following people have prepared, written, and/or reviewed the Phase I Environmental Assessment Report. All the below parties have, in good faith, conducted their respective project responsibilities using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar fields.

All parties have acted in good faith and have no known relationship with the subject site, owners, buyers, or any other entity associated with the subject site. All respective project responsibilities have been conducted independently, and with no conflict of interest.

The statements of fact contained in this report are true and correct based on materials reviewed.

The reported analyses, opinions, and conclusions are personal, unbiased, professional, and limited only by the assumptions and qualifications stated herein. Compensation is not contingent upon an action or an event resulting from the analyses, opinions, or conclusions included in this report. Nor is it contingent upon the use of this report.

The investigation has been performed in accordance with all applicable legal requirements and in accordance with accepted practices prevailing in the environmental assessment and asbestos consulting industries. The personnel who performed the investigation are properly licensed and certified in accordance with the requirements of all federal, state, and local laws, rules, and regulations.

I/We declare that, to the best of our professional knowledge and belief, I/we meet the definition of Environmental Professional as defined in §312.10 of this part.

I/We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I/We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

We have no present or prospective financial interest in the subject property or the parties involved.

APPENDIX E

RESUME AND INSURANCE CERTIFICATE



Enviro Geodetics, P.L.L.C.
Environmental & Geotechnical Consultants

RESUME

HAROLD W. ERIKSEN

659 North Arroyo Road, Apache Junction, Arizona 85119

Mobile: 602-705-8047

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Education

Brooklyn College
BA (Geology) 1962

Brooklyn College
MA (Geology) 1972

New York University
MS (Environmental
Science) 1975

Nuclear Power Reactor Safety - Massachusetts
Institute of Technology, Boston 1976

Radiation Surveillance for the Nuclear Power Industry -
Harvard University, Boston 1977

Registrations:

National Registry of
Environmental Professionals
(NREP) #5407

Pilot
FAA Certificate # 3256707

Remote Pilot
FAA Certificate # 4285744

Published Author:

Industrial Hygiene
Field Reference Guide
(Contributor) 1975

“One-World Church Rising” (2018)

“The Hope of the Church During the
Demise of the Nation” (In-Progress)

Areas of Expertise

Mr. Eriksen is owner and principal environmental investigator for **Enviro Geodetics**. He worked for twelve years as a certified industrial hygienist (CIH). He is currently a registered environmental professional with the National Registry of Environmental Professionals (NREP)

Enviro Geodetics provides:

- Phase I and II environmental assessments
- Site characterizations where the soil has been exposed to EPA priority pollutants.
- Stormwater drywell investigations
- Soil sampling, analysis and environmental oversight leading to the closure of underground petroleum storage tanks
- Remediation of contaminated property under the Arizona Voluntary Remediation Program
- Commercial Drone Services

Work Experience

Liberty Mutual Insurance Co. Hopkinton, MA.
Research Center, Certified Industrial Hygienist

IHS, Inc. Nashua, New Hampshire, President &
Owner

Enviro Geometrics Inc., President and Owner

Enviro Geodetics, PLLC Apache Junction, Arizona,
Owner and Principal Investigator

Partial List of Clients

- Colonial Capital, Phoenix AZ
- Phoenix Commercial Brokers AZ
- Vermaland AZ
- Porchlight Homes AZ
- Realty Executives AZ
- Salvation Army AZ
- LevRose Commercial Brokers AZ
- Kadish Associates Law Group AZ
- Alliance Bank of Arizona, Phoenix
- Mohave Bank, Lake Havasu City, Arizona
- National Bank of California, Brentwood
- Bank 34, Scottsdale, Arizona
- Pierpont Equity Group, LLC, Mesa AZ
- Washington Federal Bank, Arizona
- Small Business Administration
- Stoops, Denious, Wilson & Murray, AZ
- National Bank of Arizona, Mesa, AZ
- Textron Financial Corporation, GA
- Sun City Bank, Sun City, AZ
- DATS Trucking Co., UT
- Catalina Mortgage Company, AZ
- Guaranty National Companies, CO.
- Marcus & Millichap, AZ
- CIT Group, NJ
- Sterns Bank, N.A., Arizona
- Community Bank of Arizona, AZ
- BBVA Compass Bank, Arizona
- CIT Small Business Group, New York
- Moyes, Sellers and Hendricks, Arizona



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
04/25/2022

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IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LIC #124221 UCW Insurance Agency, Inc. PO Box 31644 Mesa, AZ 85275-1644 Melanie C. Tyson INSURED Enviro Geodetics, P.L.L.C. 659 N. Arroya Road Apache Junction, AZ 85219	1-866-829-4368	CONTACT NAME: Melanie Tyson PHONE (A/C, No. Ext): (866) 829-4368 FAX (A/C, No): (866) 829-4369 E-MAIL ADDRESS: mtyson@ucwinsurance.com	INSURER(S) AFFORDING COVERAGE INSURER A: ADMIRAL INS CO INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	NAIC # 24856
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COVERAGES

CERTIFICATE NUMBER: 65198945

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractors Pollution <input checked="" type="checkbox"/> Professional Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC			FBI-ECC-23606-05	04/24/22	04/24/23	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 1,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000 \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A				WC STATUTORY LIMITS <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

CANCELLATION

Proof of Insurance	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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mtyson

65198945