

APPENDIX I

Phase I Environmental Site Assessment

Prepared for:
Solar Millennium, LLC
Berkeley, CA



Phase I Environmental Site Assessment of Proposed Solar Power Plant Site Located in Riverside County, Near Blythe, California

AECOM, Inc.
May 2009
Document No.: 12944-002-1500

Prepared for:
Solar Millennium, LLC
Berkeley, CA

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Executive Summary

AECOM, Inc. (AECOM) was retained by Solar Millennium, LLC (Solar Millennium or the client) to perform a Phase I Environmental Site Assessment (ESA) of approximately 11,000 acres of vacant desert land located in Riverside County approximately 8 miles west of Blythe, California (subject property). The subject property is administered by the Bureau of Land Management (BLM).

Ms. Stefanie Smith, Project Specialist with AECOM's Oakland, California office conducted a site reconnaissance of readily accessible areas of the subject property on March 16 and 17, 2009. The subject property is located north of U.S. Interstate 10 (I-10) off the Mesa Drive Exit, approximately 8 miles west of the City of Blythe. The subject property is comprised of 36 contiguous parcels of unimproved desert land and is accessible via several unnamed dirt roads that proceed north off Black Rock Road, the I-10 service road. This assessment identified power lines located on the northeastern side of the subject property and a Southern California Gas Company gas line that appears to run along the north-south dirt access road located on the property. Small quantities of miscellaneous household trash and debris were observed at several locations on site. The entire site is undeveloped desert land with dry washes traversing the site in a general west to east direction toward the McCoy Wash and other larger drainage features.

The subject property is bordered to the north by undeveloped desert land and to the west by undeveloped desert land, beyond which is the McCoy-Palen Wilderness Area. Several properties to the east and northeast are utilized for agricultural production. Adjacent properties to the south include two residences, vacant land and the Blythe Airport, beyond which is I-10.

Disturbances to the ground or soil were observed on the northwestern portion of the property (Section 4 T06S R21E). These 10-foot by 20-foot pits/depressions appear to have been excavated by a bulldozer. The date of disturbance is not indicated by available information.

AECOM performed a Phase I ESA of the subject property in conformance with the scope and limitations of American Standard for Testing and Materials (ASTM) Practice E 1527-05, which meets the requirements of Title 40 Code of Federal Regulations (CFR) Part 312 and is intended to constitute all appropriate inquiry for purposes of the landowner liability protections (LLPs). No physical environmental sampling was performed. Any exceptions to, or deletions from, this practice are described in Sections 1.4 and 1.5 of this report. Additional services included in this ESA are described in Section 1.2 of this report.

Based on the results of this assessment, no recognized environmental conditions (RECs) or historic RECs were identified in connection with the subject property. One de minimis condition was observed at the subject property:

- Miscellaneous trash and debris (e.g., household dumping) was observed at various locations on the subject property and surrounding area. However, no hazardous waste was observed on the subject property during AECOM's site visit.

The following other (non-ASTM) environmental concerns were identified in connection with the subject property:

- During the timeframe of this assessment, AECOM environmental permitting personnel identified unexploded ordnance (UXO) on the subject property. Historical information indicates that the subject property and the surrounding desert area has been used as a military training area. It has been AECOM's experience, that when encountered, it is uncommon for World War II-era UXO to impact the subsurface with hazardous materials due in part to their age, and the arid nature of the deserts of Southern California. It is therefore, AECOM's opinion that UXO does not present a REC to the subject property. However, if encountered and after being safely removed, AECOM recommends that the soil in the vicinity of the UXO be visually evaluated for evidence of a hazardous materials release, and said release (if any) should be evaluated through laboratory analysis and remediated (if necessary).

On the basis of the findings described above, AECOM recommends the following:

- The potential presence of unexploded ordnance (UXO) should be investigated through the use of geophysical surveys performed by a company with specific expertise in identifying UXO. Remnants of munitions or bullets identified during development of the subject property should be segregated and disposed in accordance with current regulations. Prior to development, the subject property where UXO are identified should be subjected to a thorough survey and removal in accordance with current regulations.

1.0 INTRODUCTION

1.1 Preface

The purpose of this Phase I Environmental Site Assessment (ESA) was to evaluate the current and historical conditions of the subject property in accordance with the agreed upon scope of work, in an effort to identify recognized environmental conditions (RECs) in connection with the subject property.

A REC is defined by American Standard for Testing and Materials (ASTM) as "[t]he presence of or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies."

The identification of RECs in connection with the subject property may impose an environmental liability on owners or operators of the subject property, reduce the value of the subject property, or restrict the use or marketability of the subject property. For this reason, any identified RECS may warrant further investigation to evaluate the scope and extent of potential environmental liabilities associated with the RECs.

1.2 Objectives and Scope of Work

This Phase I ESA was conducted to assist in the identification and evaluation of potential environmental liabilities materially affecting the subject property. This Phase I ESA was completed to support the preparation of an Application for Certification (AFC) with the California Energy Commission (CEC) being prepared under a Task Order contract signed by Solar Millennium LLC, between Solar Millennium LLC and AECOM on December 4, 2008. AECOM's scope of work for the AFC was also dated December 4, 2008. Assumptions and limitations to this assessment are presented in Sections 1.3, 1.4, and 1.5 of this report.

1.3 Significant Assumptions

Specific site description information included as part of this ESA was obtained from additional sources of information/reports that were prepared in support of the larger AFC and was assumed to be the most current and accurate project information. Groundwater flow direction was inferred based on topographic features. No other significant assumptions relative to this Phase I ESA were made.

1.4 Study Limitations

This report describes the results of AECOM's due diligence assessment to identify the presence of environmental liabilities materially affecting the subject facility and/or property. In conducting this due diligence evaluation, AECOM assessed the presence of such problems within the limits of the established scope of work.

In conducting this due diligence investigation, AECOM has attempted to independently assess the presence of such problems within the limits of the established scope of work as described in our proposal. As with any due diligence evaluation, there is a certain degree of dependence upon oral information provided by facility or site representatives that is not readily verifiable through visual observations or supported by any available written

documentation. AECOM shall not be held responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed by facility or site representatives at the time this assessment was performed. In addition, the findings in the Report are subject to certain conditions and assumptions. The conditions and assumptions are noted in the Report, and any party reviewing the findings of the Report must carefully review and consider all such conditions and assumptions.

This report and all field data and notes were gathered and/or prepared by AECOM in accordance with the agreed upon scope of work and generally accepted engineering and scientific practice in effect at the time of AECOM's assessment of the subject property. The statements, conclusions, and opinions contained in this report are only intended to give approximations of the environmental conditions at the subject property.

This report is prepared pursuant to an agreement between the client and AECOM and is for the exclusive use of the client. No other party is entitled to rely on the conclusions, observations, specifications, or data contained herein without first obtaining AECOM's written consent and provided any such party signs an AECOM generated Reliance Letter. A third party's signing of the AECOM Reliance Letter and AECOM's written consent are conditions precedent to any additional use or reliance on this report.

The passage of time may result in changes in technology, economic conditions, site variations, or regulatory provisions which would render the report inaccurate. Reliance on the report after the date of issuance as an accurate representation of current site conditions shall be at the user's sole risk.

Per the ASTM Standard, historical research is complete when either: 1) the objectives in Sections 8.3.1 through 8.3.2.2 are achieved; or 2) data failure is encountered. Specific data failures/data gaps encountered during the assessment are discussed, as appropriate, throughout this report. A list of the data failures and/or data gaps and an evaluation of their significance is provided in Section 8.0 of this report.

1.5 Site Specific Limitations

AECOM reviewed the regulatory database, historical topographic maps, and historical aerial photographs provided by Environmental Data Resources, Inc. (EDR) in order to identify potential "red flag" areas in which to concentrate the on-site reconnaissance efforts. AECOM performed a windshield survey around the perimeter and other accessible site areas as well as walking some portions of the site. Field binoculars were also used in order to view portions of the site. No significant limitations were encountered during the course of this assessment.

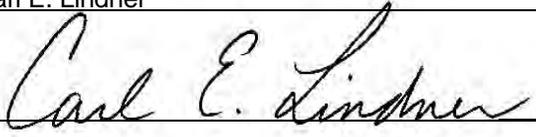
1.6 Reliance

This report, including all supporting field data and notes (collectively referred to hereinafter as "information"), was prepared or collected by AECOM for the benefit of its client, Solar Millennium. AECOM's client may release the information to third parties, who may use and rely upon the information at their discretion. However, any use of or reliance upon the information by a party other than specifically named above shall be solely at the risk of such third party and without legal recourse against AECOM, its parent or its subsidiaries and affiliates, or their respective employees, officers or directors, regardless of whether the action in which recovery of damages is sought is based upon contract, tort (including the sole, concurrent or other negligence and strict liability of AECOM), statute or otherwise. This information shall not be used or relied upon by a party that does not agree to be bound by the above statements.

1.7 Environmental Professional Statement

I declare that, to the best of my professional knowledge and belief, I meet the definition of an Environmental Professional as defined in Section 312.10 of Title 40 Code of Federal Regulations (CFR) Part 312 and I 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 have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in Title 40 CFR Part 312.

Name: Carl E. Lindner Title: AECOM Project Manager

Signature:  Date: 5/29/2009

2.0 SITE DESCRIPTION AND HISTORY

2.1 Property Location

The subject property is located in the Colorado Desert approximately 8 miles west of the City of Blythe in Riverside County, California. The subject property is located north of U.S. Interstate 10 (I-10) and is accessible via Stephenson Road to the east and a Bureau of Land Management (BLM) access road that proceeds north from Black Rock Road/West Hobson Way to the south. It consists of all or portions of the following parcels totaling approximately 9,000 acres: 8181-50-002, 8181-50-003, 8181-60-002, 8181-60-003, 8181-60-004, 8181-60-005, 8181-60-006, 8121-20-008, 8122-20-029, 8122-20-030, 8121-20-009, 8210-20-010, 8181-50-005, 8181-50-006, 8181-60-007, 8181-60-008, 8181-60-009, 8181-60-010, 8181-60-011, 8181-60-0015, 8181-60-012, 8181-60-013, 8210-20-011, 8210-50-011, 8181-80-008, 8181-80-010, 8181-80-012, 8181-80-013, 8181-80-009, 8181-80-011, 8181-80-017, 8181-80-014, 8181-80-015, 8181-80-020, and 8181-80-021.

Figure 1 provides a Site Location Map.

2.2 Current Use of the Subject Property

The subject property is unimproved desert land. The majority of the subject property is covered by desert scrub traversed by desert washes and dirt roads. The site assessment identified power lines located on the northeastern side of the subject property and a Southern California Gas Company gas line appears to run along the unnamed north-south dirt access road located on the property. Small quantities of miscellaneous household trash and debris were observed at several locations on the site.

Disturbances to the ground or soil were observed on the northwestern portion of the property (Section 4 T06S R21E). These 10-foot by 20-foot pits/depressions appear to have been excavated by a bulldozer. The date of disturbance is not indicated by available information. In addition, no discolored soil, water, unusual vegetative conditions, staining or visual evidence of hazardous materials release was observed at the time of AECOM's site visit.

Figure 2 provides a Site Plan. Representative site photographs are attached as **Attachment A**.

2.3 Descriptions of Property and Structures

No buildings or structures are currently located on the subject property. With the exception of the power lines on the northeastern side, the subject property is vacant, desert land. However, it should be noted that a large 160-acre parcel of private property is located within the BLM administered parcels. Another private 160-acre parcel is located just outside the BLM administered parcels and to the south of the proposed project disturbance area. There appear to be residential structures/trailers located on the BLM adjacent parcel, as well as several vehicles that appear to have been abandoned. This parcel is fenced and posted as "private property" and there did not appear to be any overflow from this site on to the subject property.

2.4 Utilities

No utilities currently service the subject property. However, overhead power lines are located on the northeastern side of the subject property and a Southern California Gas Company gas line appears to run along the north-south dirt access road located on the property as was evidenced by the gas cap shown in

the site photos. There was no evidence of historical septic systems or potable/process water supply wells on-site, nor was such information reported by the site contacts.

2.5 Current Use of Adjoining Properties

The subject property is bordered to the north by undeveloped desert land and to the west by undeveloped desert land, beyond which is the McCoy-Palen Wilderness Area. Several properties to the east and northeast are utilized for agricultural production. Adjacent properties to the south include two residences, vacant land and the Blythe Airport, beyond which is I-10.

2.6 Previous Environmental Reports

A previous report, entitled "Reconnaissance-Level Geotechnical and Water Supply Assessment for Blythe Solar Projects" and prepared by CH2MHILL, was provided for AECOM review. The report provided a cursory overview of the general geology and available water supply information for the subject property.

2.7 Historical Use Information on the Property and Adjacent Sites

The following site history was prepared based on the review of aerial photographs dated 1951, 1959, 1996, and 2002 and of historical topographic maps dated 1947, 1951, 1952, 1970, and 1983. These maps and information were provided by EDR and historical information was provided by the BLM. Copies of the aerial photographs and historical topographic maps are provided in **Attachment B**.

2.7.1 Aerial Photograph Review

The 1951 and 1959 aerial photographs (scale 1" = 1,000') show the subject property and adjacent sites as undeveloped, desert land. I-10 and the Blythe Airport are visible to the south of the subject property. Additionally, several dirt tracks and roads are visible throughout the subject property and adjacent properties. These tracks were likely utilized by recreational visitors to the area.

The 1996 and 2002 aerial photographs (scale 1" = 1,000') depict the subject property and the northern and western adjacent sites as undeveloped, desert land. I-10 and the Blythe Airport are visible to the south of the subject property. Residences and associated agricultural activities are depicted to the northeast, and south of the subject property. Several dirt roads are visible throughout the subject property and the adjacent properties. These dirt roads appear to provide access to the adjacent residences/farms and to the subject property. Activities on the subject property are likely off-highway vehicle and hiking recreational activities.

2.7.2 Historical Topographic Map Review

Historical topographic maps were available for the subject property in the following maps: Blythe Quadrangle (1947), McCoy Wash Quadrangle (1951), McCoy Springs Quadrangle (1952), McCoy Wash Quadrangle (1970, photo revised from 1951), and McCoy Peak Quadrangle (1983).

The historical topographic maps do not indicate any historical development, wells, pits, or mines on the subject property. Dry washes are indicated throughout the property in the 1983 McCoy Peak Quadrangle Map. The Blythe Airport is first visible to the south of the site in the 1951 McCoy Wash Quadrangle Map.

2.7.3 Sanborn Map Review

EDR's Sanborn Map collection does not include coverage for the subject property or surrounding area. Sanborn Maps were typically not made for undeveloped areas, so no Sanborn Maps are expected to be available for the subject property.

2.7.4 Summary of Historical Review

The subject property, the residential parcel surrounded by the BLM parcels, and adjacent properties appear not to have been developed historically, aside from the residential and agricultural use of the northeastern and southern adjacent properties and the property surrounded by the BLM parcels (circa 1996 to present) and the airport to the south (circa 1951 to present). No industrial or commercial sites (aside from the airport) were identified in the vicinity of the subject property. The Southern California deserts were historically used as military training areas; however, specific information pertaining to the use at the site was not available.

3.0 PHYSIOGRAPHY, GEOLOGY, AND HYDROGEOLOGY

3.1 Physiography

According to the Draft Reconnaissance-Level Geotechnical and Water Supply Assessment for Blythe Solar Projects (Draft) Report prepared by CH2M Hill in 2008, the Blythe Site elevation ranges from approximately 400 to 600 feet and slopes gently away from the McCoy Mountains from the west to the southeast. Site grades typically range from 0.4 percent in the central and western portions of the Blythe Site to 0.8 percent in the southeastern portion. Steeper grades (10 to 15 percent) were present along the western side of the unnamed mound in Sections 5, 6, and 7 (T06S R22E). A 50 percent grade was measured along the southwestern side of an unnamed knob on the northeast side of the McCoy Wash (Section 4, T06S R22E). Topographic changes at the site occur at the mound and the knob in the northeastern portion of the site, adjacent to McCoy Wash and along the numerous washes, discussed further below. The knob along the northeast side of McCoy Wash rises approximately 35 feet above the surrounding terrain. The mound on the southwest side of McCoy Wash is approximately 40 to 50 feet high and has an elevation of 489 feet.

No holding ponds or other permanent water bodies were observed on the subject property. No staining or stressed vegetation was observed associated with the drainage features located along the southern and eastern sides of the subject property.

3.2 Geology

The subject property is located on the Palo Verde Mesa in the Colorado Desert Province. This province consists of desert terrain with mountain ranges surrounded by extensive alluvial fans and plains. The flood plain of the Colorado River forms the east margin of the area. Mountainous areas are primarily bedrock exposures with the adjacent valleys underlain by alluvial fan and plain deposits originating from the nearby uplands. The oldest rocks exposed in the region surrounding the Blythe Site are Proterozoic gneiss and granite. These rocks are overlain by Paleozoic to early Jurassic metasediments that were originally deposited as sediments on the stable North American craton. These metasediments are exposed in the Big Maria and Little Maria mountains, north of the Blythe Site. Volcanism and intrusion followed, with subsequent deposition of the Cretaceous McCoy Mountain Formation metasediments.

Regional deformation and metamorphism occurred during the late Cretaceous in the Big Maria and Little Maria Mountains, and to a lesser degree in the McCoy Mountains. This was then followed by faulting and local volcanism and sedimentation during the early Tertiary (Oligocene to Miocene). Starting in the Miocene and continuing into the Holocene, alluvial fans formed on the flanks of the surrounding mountains. Alluvial plains occur in the central portion of the valleys along with more recent outwash associated with local drainage. These younger alluvial sediments are generally subdivided based on morphology.

Also occurring in the Blythe Site region are several areas of Colorado River alluvium (QTmw). These areas correspond to the mound and knob on the Blythe Site that were discussed earlier and are adjacent to McCoy Wash. Present-day geomorphology has the Blythe Site located on what is referred to as the Palo Verde Mesa. The area has a generally low relief until near the surrounding mountains (McCoy, Big Maria, and Little Maria mountains). Approximately 3 miles beyond the eastern site boundary, a sharp break in slope forms the boundary between the Palo Verde Mesa and the Palo Verde Valley, which is 80 to 130 feet

below the mesa. In the region, the Palo Verde Valley is roughly equivalent to the recent historic floodplain of the Colorado River (CH2MHill, 2008).

3.3 Hydrogeology

According to the CH2MHill report, no existing wells are known to occur on the site. There are two residences near the site and one residence is adjacent to the south of the BLM parcels that are probably supplied by groundwater. Numerous groundwater wells were identified east and south of the site. Most of the wells appeared to have been installed as part of the historical agricultural development in the area. It is assumed that the currently active farming occurring in the area is supported by groundwater, although some Palo Verde Irrigation District (PVID) surface water is reportedly used within the Palo Verde Mesa area.

4.0 USER PROVIDED INFORMATION

Section 6 of the ASTM Standard states that certain tasks, which will help to determine the possibility of RECs associated with the subject property, are generally conducted by the ESA report user. This includes reviewing title records for environmental liens, or activity and land use limitations, and considering awareness of any specialized knowledge (e.g., information about previous ownership or environmental litigation), experience related to RECs at the subject property, or significant reduction in the purchase price of the subject property. Per the agreed scope-of-work, information related to these items should be provided by the ESA report user to AECOM.

4.1 Title Records/Environmental Liens

Per the agreed upon scope of work, a lien search was not performed as a part of this assessment. However, other than the information discussed as appropriate in this report, the client did not provide information concerning any environmental concerns associated with title records, nor was the user aware of environmental liens on the subject property.

4.2 Specialized Knowledge/Value Reduction Issues

The client had no specialized knowledge pertaining to the subject property or related on-site operations, nor was the client aware of property valuation reduction issues for the subject property.

4.3 Reason for Performing the Assessment

AECOM was authorized by the client to perform this Phase I ESA as part of a potential lease agreement for the subject property with BLM.

4.4 Other

Other than the documentation discussed in this report, the client was unaware of any additional information relative to the subject property.

5.0 INTERVIEWS

5.1 Interview with Current Subject Property Owner

The current property owner is the United States government, and is under the administration of the BLM Palm Springs Office. The Palm Springs Office was presented with a one page "User Questionnaire." The user was required to provide the information requested (if available) to the AECOM environmental professional. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete. The completed questionnaire was returned to AECOM. The questionnaire did not identify that the BLM representative was aware of any potentially negative environmental conditions on the subject property.

5.2 Interview with Past Owners, Operators and Occupants

Per ASTM, interviews with past owners, operators, and occupants of the subject property who are likely to have material information regarding the potential for contamination at the subject property shall be conducted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. AECOM obtained historical information from aerial photographs and historical topographic maps which showed that the subject property consistently has been undeveloped, desert land. Historical on-site use has been limited to power transmission right of ways, unimproved roads, and public/recreation access. Based on AECOM's historical research and because interviews with past owners of the subject property were likely to provide duplicative information, past owners were not contacted. This data gap is not expected to represent a significant limitation to this investigation.

5.3 Interview with Site Manager

AECOM interviewed the BLM (as stated above), which is the government agency currently managing the subject property. No information with respect to negative environmental conditions on the subject property was identified.

5.4 Interview with Government Agencies

Interviews with select government agencies, including the Regional Water Quality Control Board and the Department of Toxic Substances Control, were conducted as appropriate, and salient information is incorporated as appropriate throughout this report.

6.0 SITE RECONNAISSANCE

6.1 Introduction

Ms. Stefanie Smith, AECOM Environmental Specialist, conducted a site reconnaissance of accessible areas on the subject property on March 16 and 17, 2009.

AECOM's objectives were to visually inspect the subject property for potential evidence of contamination and the presence of hazardous or regulated substances. AECOM accomplished these objectives through a site reconnaissance (visual observation), interviews, and record reviews. The site reconnaissance methodology consisted of walking through portions of the subject property, with particular focus being on areas of dumping, garbage and debris, and driving the perimeter of the subject property and selected accessible portions of the interior. Field binoculars were used during the course of this assessment to ensure that significant site features were visually evaluated. AECOM also performed a "windshield survey" of accessible nearby properties.

The following sections provide information on the subject property relative to the generation, use, and disposal of hazardous and non-hazardous materials; above and underground storage tanks; polychlorinated biphenyl- (PCB-) containing equipment; and water resources, including wastewater discharges and potable water usage and herbicide and pesticide usage.

6.2 Oil and Hazardous Materials

AECOM did not observe evidence of the use or storage of hazardous materials on the subject property.

6.3 Hazardous and Solid Wastes

No evidence of hazardous waste generation was observed at the subject property. However, as noted in Section 2.2, small quantities of refuse were observed at various locations on the subject property. This refuse was observed to be due to abandonment on the property consistent with recreational use. No solid waste disposal area was observed at the subject property.

6.4 Underground Storage Tanks (USTs)

No evidence of USTs (e.g., vent pipes, fill ports) was observed at the subject property during the site reconnaissance. No records of potential USTs were discovered during the ESA activities.

6.5 Aboveground Storage Tanks (ASTs)

No evidence of ASTs was observed at the subject property during the site reconnaissance. No records of potential ASTs were discovered during the ESA activities.

6.6 PCB-Containing Equipment

For informational purposes, PCB-containing dielectric fluids have been widely used as coolants and lubricants in transformers, capacitors, and other electric equipment due to their insulating and nonflammable properties. No transformer or PCB-containing equipment, including pole-mounted transformers, was observed at the subject property during the site reconnaissance.

6.7 Water

6.7.1 Potable Water

No potable water is currently supplied to the subject property. No information was provided that would indicate the presence of potable water wells on the subject property.

6.7.2 Wastewater

No wastewater is currently generated at the subject property, nor was any evidence of past wastewater generation observed.

6.7.3 Stormwater

Stormwater which does not infiltrate into the subject property leaves the subject property via the many washes that traverse the site from west to east.

6.8 Herbicide and Pesticide Use

It appears fertilizers, herbicides, and pesticides were not used on the subject property, due to the lack of documented agricultural use.

6.9 Surface Staining/Stressed Vegetation/Debris

No areas of stressed vegetation, staining, or debris were observed during AECOM's site reconnaissance.

7.0 RECORDS REVIEW

7.1 Federal and State Database Review

Standard environmental record sources are defined in Section 8.2.1 of the ASTM standard. These records consist of selected Federal and state environmental databases. ASTM also specifies the appropriate search distances from the subject property for which these records should be reviewed. AECOM retained the services of EDR of Milford, Connecticut to provide specified state and Federal regulatory list information for potential sites of environmental concern located at or in the vicinity of the subject property. EDR maintains a computerized Geographic Information System (GIS) listing of various state and Federal databases in accordance with the ASTM standard. The database search was based upon ASTM-specified standard record sources. Additionally, databases searched by EDR satisfy records review requirements of all the appropriate inquiry rules. EDR includes these databases, when available, as a part of its report. Descriptions of each database are provided in the EDR database report, which is provided as **Attachment C**.

The EDR report includes various reports detailing database information for each of the sites identified/geocoded within the specified radius. Additional sites with recognized environmental risks were identified, but AECOM was not able to map them to specific locations due to insufficient/contradicting address information. These sites were included in EDR's report as "orphan" sites.

Findings

The EDR database did not indicate any sites of concern to be located on the subject property or within a one-mile radius of the subject property. Additionally, the orphan sites identified in the database report were determined to be outside a one-mile radius from the subject property.

7.2 Agency Review

Per Section 8.2.2 of the ASTM standard, local, and/or additional state or tribal sources of environmental records shall be reviewed to enhance and supplement the ASTM-required Federal and state records reviewed and discussed in Section 7.1 of this report. As the subject property was not located on or within one mile of tribal lands, tribal records were not researched as a part of this assessment.

No information was available from the Regional Water Quality Control Board or the Department of Toxic Substances Control to indicate any historical hazardous waste or contamination issues at the subject property.

8.0 CONCLUSIONS AND RECOMMENDATIONS

AECOM performed a Phase I ESA of the subject property in conformance with the scope and limitations of ASTM Practice E 1527-05, which meets the requirements of Title 40 CFR Part 312 and is intended to constitute all appropriate inquiry for purposes of the landowner liability protections (LLPs). No physical environmental sampling was performed, as none appeared to be necessary or warranted. Any exceptions to, or deletions from, this practice are described in Sections 1.4 and 1.5 of this report. Additional services included in this ESA are described in Section 1.2 of this report.

Per the ASTM standard, potential findings can include RECs, including historic RECs (HRECs) and de minimis conditions. A REC signifies the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. HRECs are generally conditions that in the past have been remediated to the satisfaction of the responsible regulatory agency. De minimis conditions are those situations that do not present a material risk of harm to public health or the environment and generally would not be subject to enforcement action if brought to the attention of the regulating authority.

8.1 RECs

Based on the above-described activities and conditions, no RECs were identified in connection with the subject property.

8.2 HRECs

Based on the above-described activities, no HRECs were identified in connection with the subject property.

8.3 De minimis

Miscellaneous trash and debris (e.g., household dumping) was observed at various locations throughout the subject property and surrounding area. However, no hazardous waste was observed on the subject property during AECOM's site visit.

8.4 Other Environmental Concerns

The following other (non-ASTM) environmental concerns were identified in connection with the subject property:

- During the timeframe of this assessment, AECOM environmental permitting personnel identified unexploded ordnance (UXO) on the subject property. Historical information indicates that the subject property and the surrounding desert area has been used as a military training area. It has been AECOM's experience, that when encountered, it is uncommon for World War II-era UXO to impact the subsurface with hazardous materials due in part to their age, and the arid nature of the deserts of Southern California. It is therefore, AECOM's opinion that UXO does not present a REC to the subject property. However, if encountered and after being safely removed, AECOM recommends that the soil in the vicinity of the UXO be visually evaluated for evidence of a

hazardous materials release, and said release (if any) should be evaluated through laboratory analysis and remediated (if necessary).

On the basis of the findings described above, AECOM recommends the following:

- The potential presence of UXO should be investigated through the use of geophysical surveys performed by a company with specific expertise in identifying UXO. Remnants of munitions or bullets identified during development of the subject property should be segregated and disposed in accordance with current regulations. Prior to development, the subject property where UXO are identified should be subjected to a thorough survey and removal in accordance with current regulations.

8.5 Data Failures / Data Gaps

AECOM's ESA identified the following data failures/gaps:

- Per ASTM, interviews with past owners, operators, and occupants of the subject site, who are likely to have material information regarding the potential for contamination at the subject site, shall be conducted to the extent that they can be identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. AECOM obtained historical property information from historical aerial photographs and historical topographic maps. From at least 1947 through present, the subject property and adjacent sites, with the exception of the residences located on the private parcels previously discussed, appear to have been undeveloped, desert land. Based on historical use of the subject property and surrounding area and because interviews with past owners of the subject property were likely to provide duplicative information, past owners were not contacted. This data gap is not expected to represent a significant limitation to this investigation.
- Per ASTM, local, and/or additional state or tribal environmental records sources shall be reviewed to enhance and supplement the ASTM-required Federal and state standard records sources. Note that EDR also includes selected local, and/or additional state or tribal records within its search. Per the ASTM Standard, approximate minimum search distances for additional records sources should not be less than those specified for standard records sources, but can be adjusted at the discretion of the environmental professional based on 1) the density of the setting in which the property is located; 2) the distance that the hazardous substances or petroleum products are likely to migrate based on local geologic or hydrogeologic conditions; 3) the property type; 4) existing or past uses of surrounding properties; and 5) other reasonable factors. Based on AECOM's observations during the site reconnaissance, no significant environmental concerns were identified associated with the adjacent properties; thus, additional state and local records not included within the EDR report were reviewed for the subject property only. This data gap is not expected to represent a significant limitation to this investigation.

8.6 Recommendations

On the basis of the findings described above, AECOM does not recommend any further investigation. However, prior to site development, it is recommended that the miscellaneous trash and debris on the site be removed and properly disposed of.

9.0 REFERENCES

9.1 Persons Performing the Site Assessment

Stefanie Smith, Staff Specialist II, AECOM - Oakland, CA, (510) 350-9981; conducted the site visit, site history research, and prepared the report (environmental professional qualifications are provided in **Attachment D**).

Kirsten Bradford, Project Specialist, AECOM - Camarillo, CA, (805) 388-3775; provided site visit support and quality assurance review (environmental professional qualifications are provided in **Attachment D**).

Carl Lindner, AECOM – Camarillo, CA, (805) 388-3775; provided quality assurance review (environmental professional qualifications are provided in **Attachment D**).

9.2 Persons Interviewed

A BLM representative completed the User Questionnaire on 7/29/09. No indication of past or present site uses that would pose a negative environmental condition on the property was identified.

9.3 Reports and Documents Reviewed

California Environmental Protection Agency's State Water Resources Control Board (SWRCB), online Geotracker database search conducted at <http://www.geotracker.swrcb.ca.gov/>

Department of Toxic Substances Control, online EnviroStor database search conducted at <http://www.envirostor.dtsc.ca.gov/public/>

EDR Aerial Photo Decade Package, Blythe, California, Inquiry Number 2414958.1, 1951, 1959, 1996, and 2002. February 17, 2009, EDR, 440 Wheelers Farms Road, Milford, Connecticut 06460.

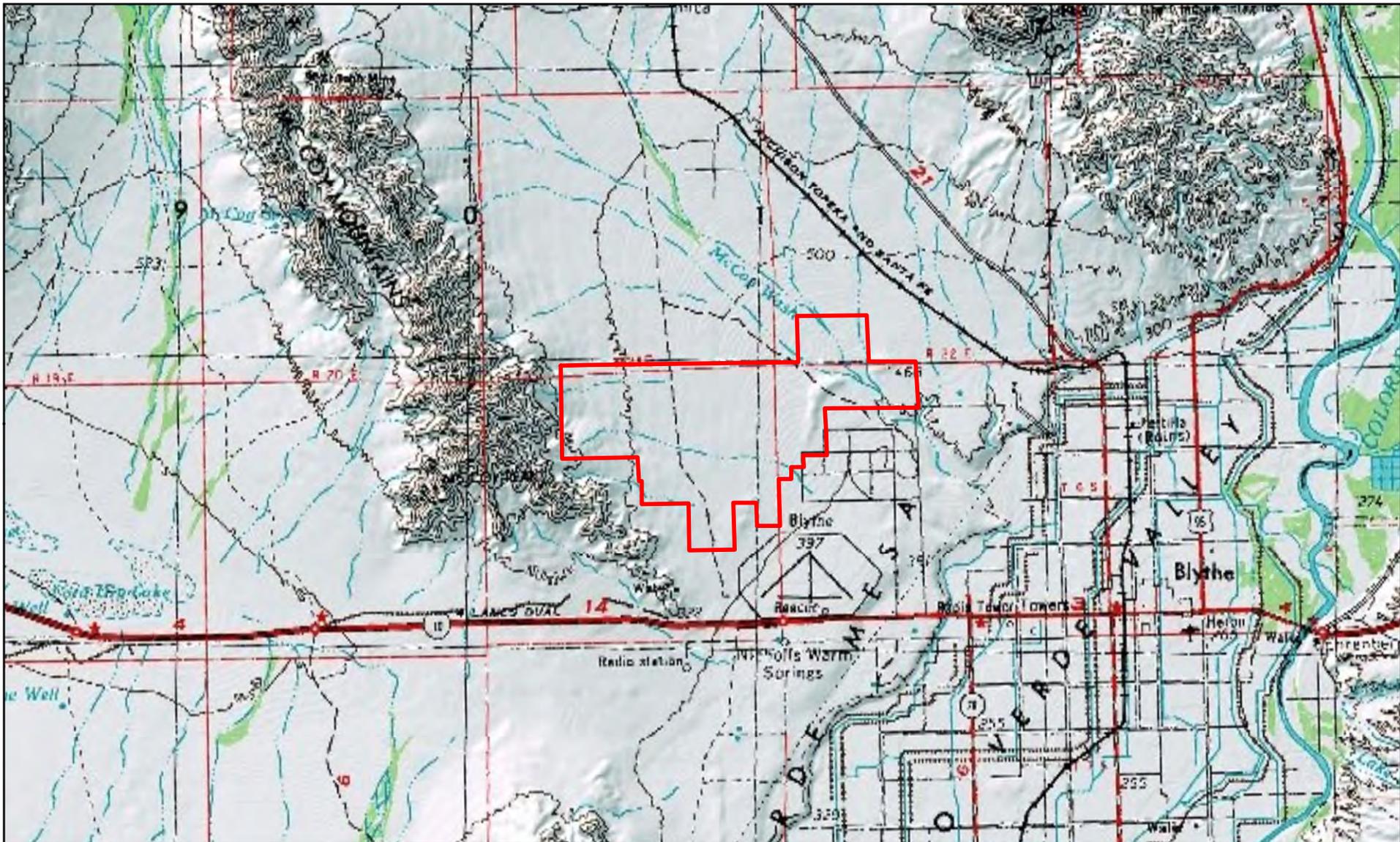
EDR-Radius Map with Geotrack®, Blythe, California, Inquiry Number 02414958.3r, February 10, 2009, EDR, 440 Wheelers Farms Road, Milford, Connecticut 06460.

EDR Historical Topographic Map Report, Blythe, California, Inquiry Number 02414958.2, February 11, 2009, EDR, 440 Wheelers Farms Road, Milford, Connecticut 06460.

Reconnaissance-Level Geotechnical and Water Supply Assessment for Blythe Solar Projects (Draft), prepared by CH2MHill, October 2008.

US EPA's Enforcement & Compliance History Online (ECHO) and online Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) databases searched at <http://www.epa-echo.gov/echo/> and <http://cfpub.epa.gov/supercpad/cursites/srchsites.cfm>, respectively.

Figures



Legend

 Project Right-of-Way

0 3 6 Miles



Blythe Solar Power Project

Figure 1
Site Location Map



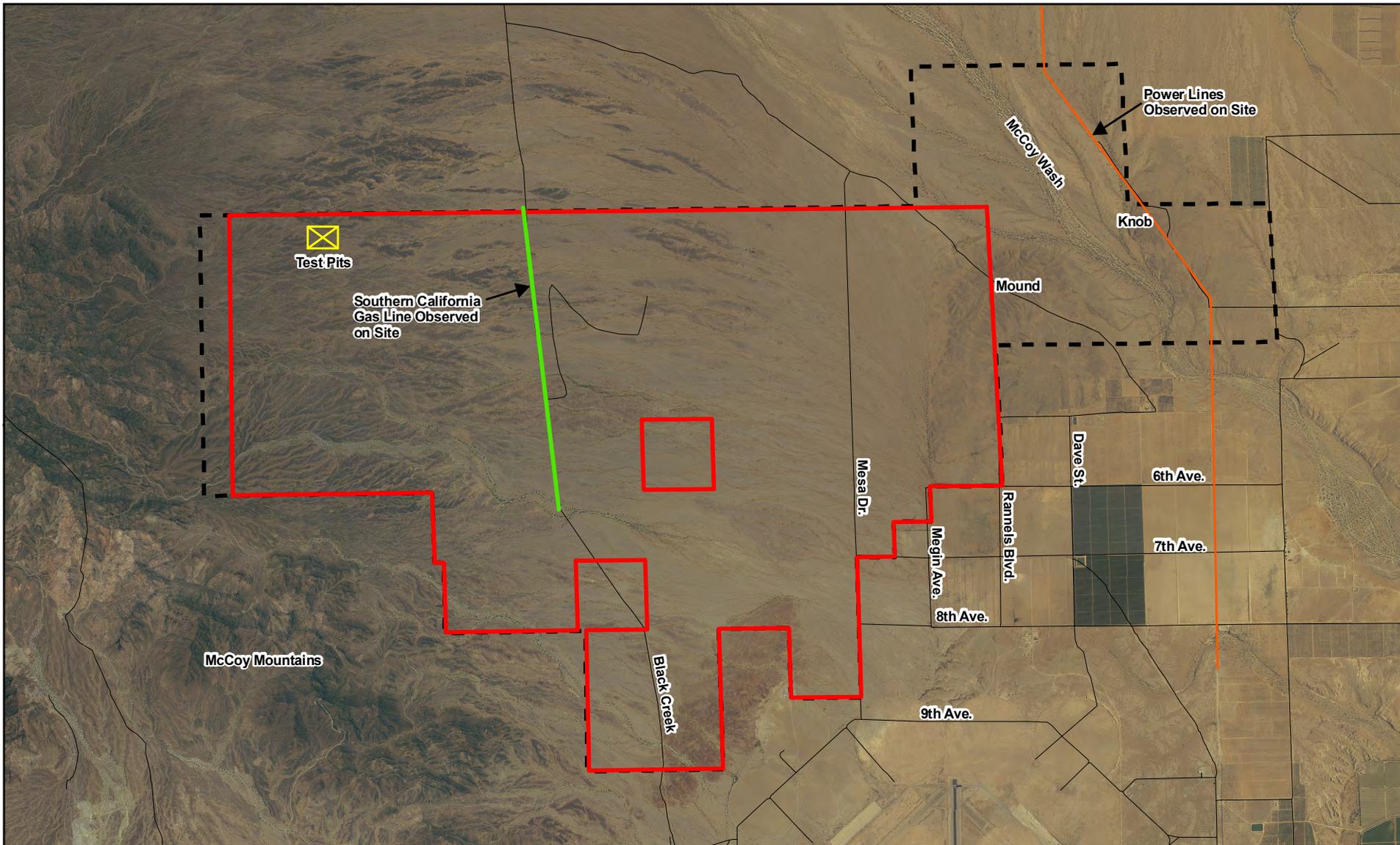
Solar Millennium



AECOM

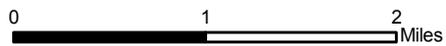
Project: 12944-002
Date: August 2009

J:\GIS\Projects\SolarMillennium\Blythe\mxd\phase1\blythe_phase1.mxd



- Legend**
- Revised Project Right-of-Way
 - Original Project Right-of-Way

Data Sources:
 Air Photo, California Spatial Information Library,
 NAIP, 2005 Riverside County



Blythe Solar Power Project

**Figure 2
 Site Plan**



Project: 12944-002
 Date: August 2009

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Attachment A

Representative Site Photographs



Photo No. 1
View facing north from the access road to the subject property.



Photo No. 2
View facing west from the main access road to the property.



Photo No. 3
View of a Southern California Gas Company cap, which is located along the access road that runs north to south through the subject property.



Photo No. 4
View of the central portion of the subject property south facing east.



Photo No. 5
View an excavated test pit located on the northwestern side of the subject property.



Photo No. 6
View of the central portion of the subject property, facing east.



Photo No. 7
View facing north along the eastern side of the subject property.



Photo No. 8
View facing east from the northeastern side of the subject property.



Photo No. 9
View facing west from the eastern side of the property.



Photo No. 10
View of dumping activities on the subject property.

Attachment B
Aerial Photographs



Blythe

Blythe

Blythe, CA 92225

Inquiry Number: 2414958.1

February 17, 2009

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography February 17, 2009

Target Property:

Blythe

Blythe, CA 92225

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1951	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1951	Fairchild
1951	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1951	Fairchild
1951	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1951	Fairchild
1951	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1951	Fairchild
1951	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1951	Fairchild
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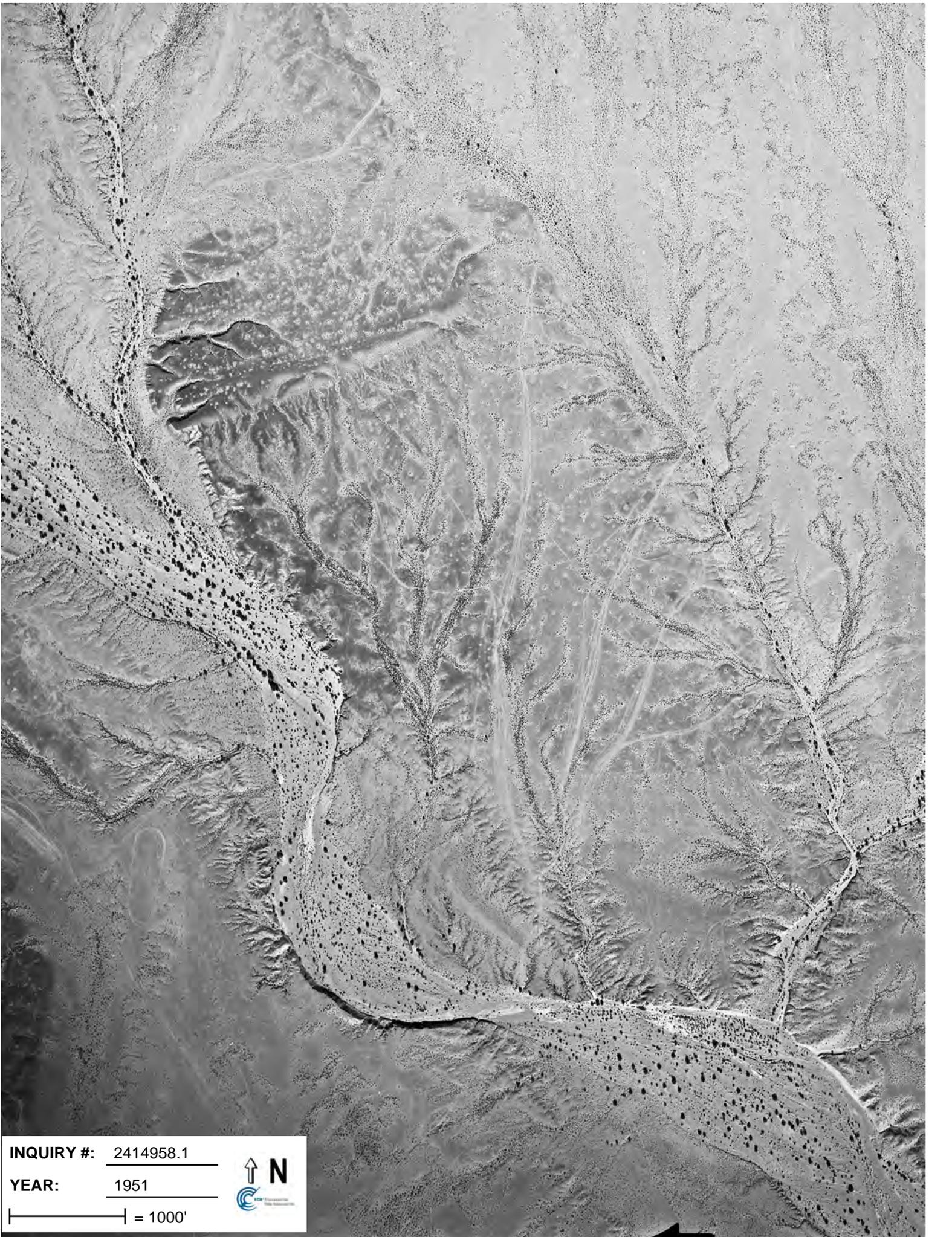


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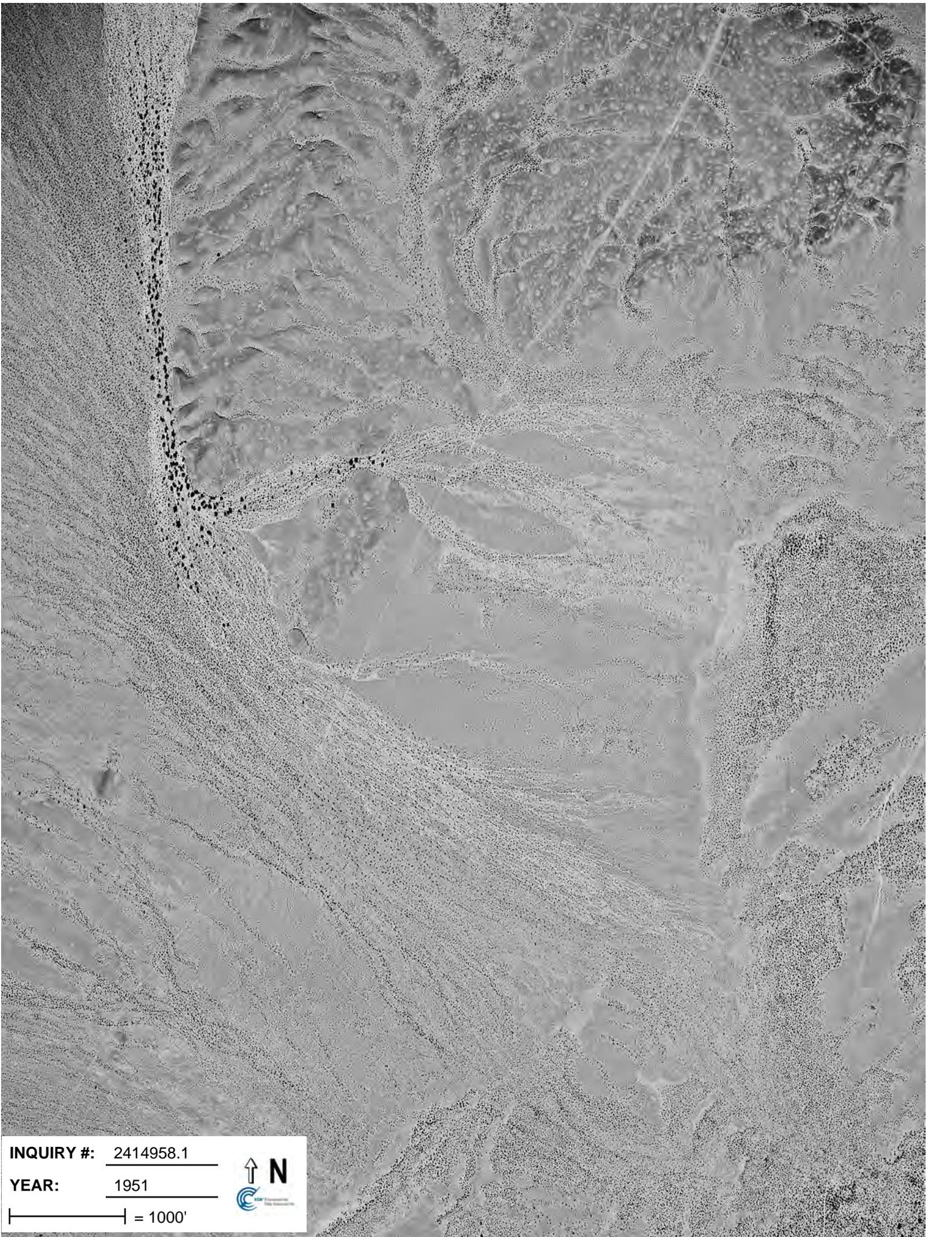


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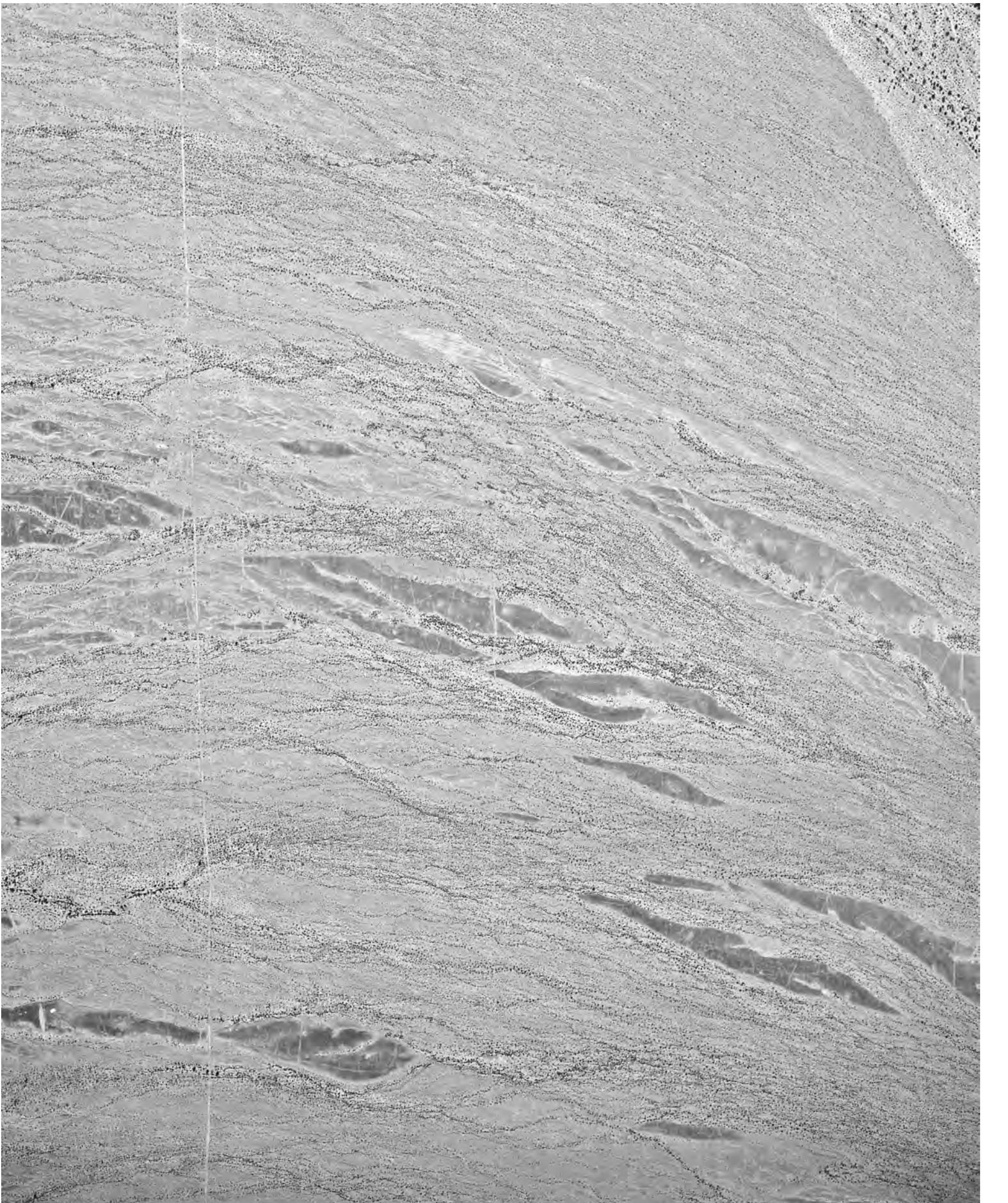
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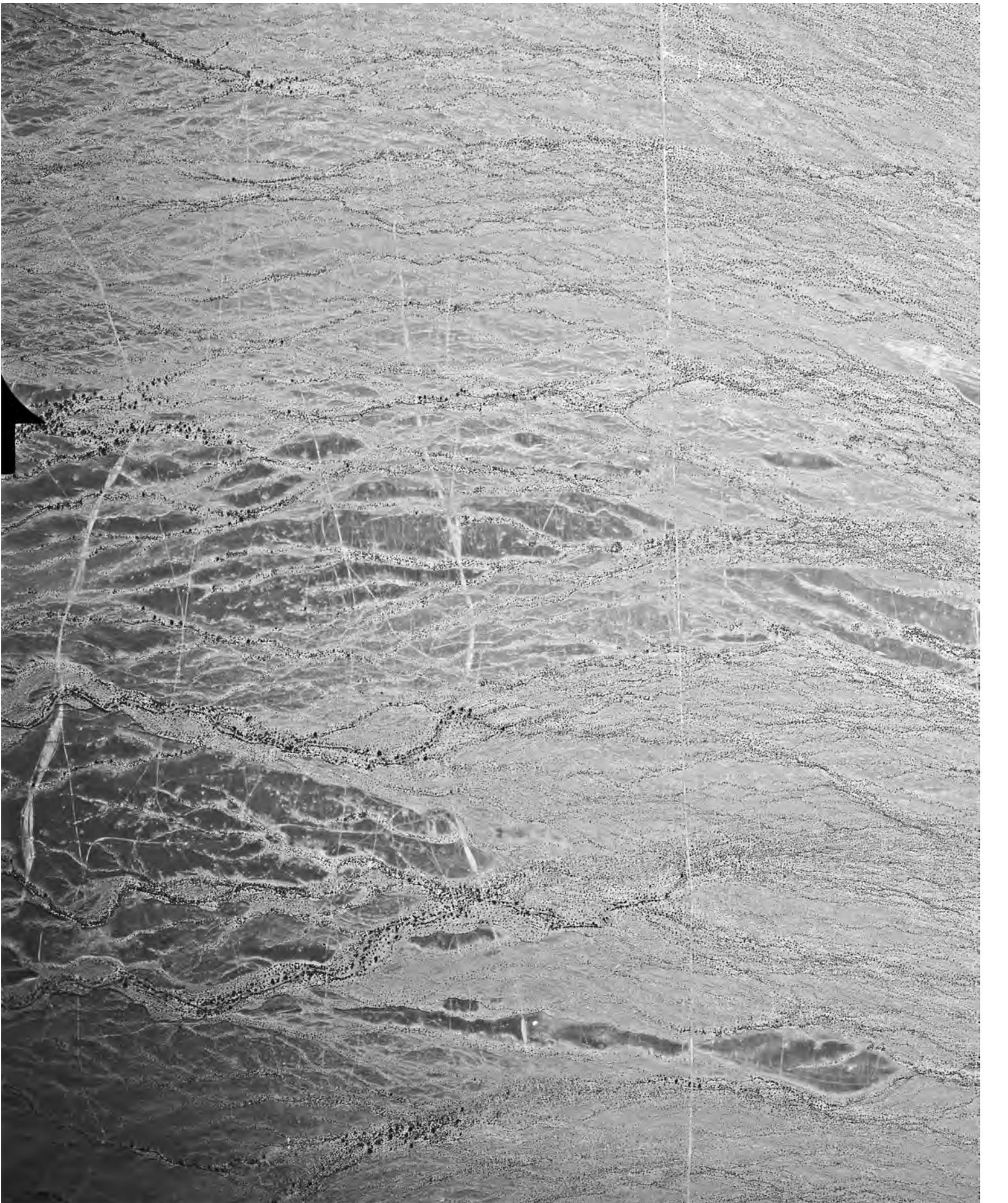
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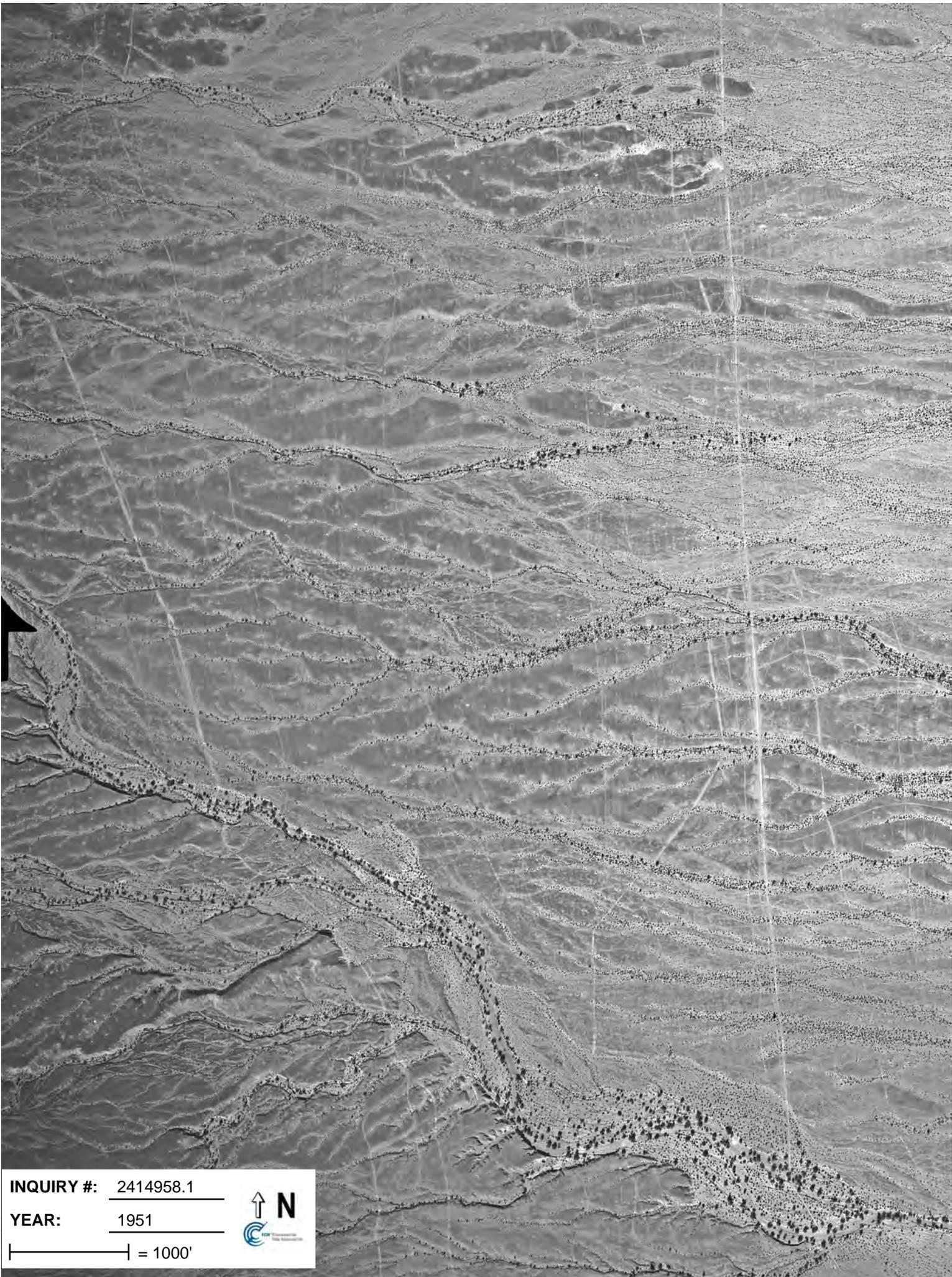
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YEAR: 1951

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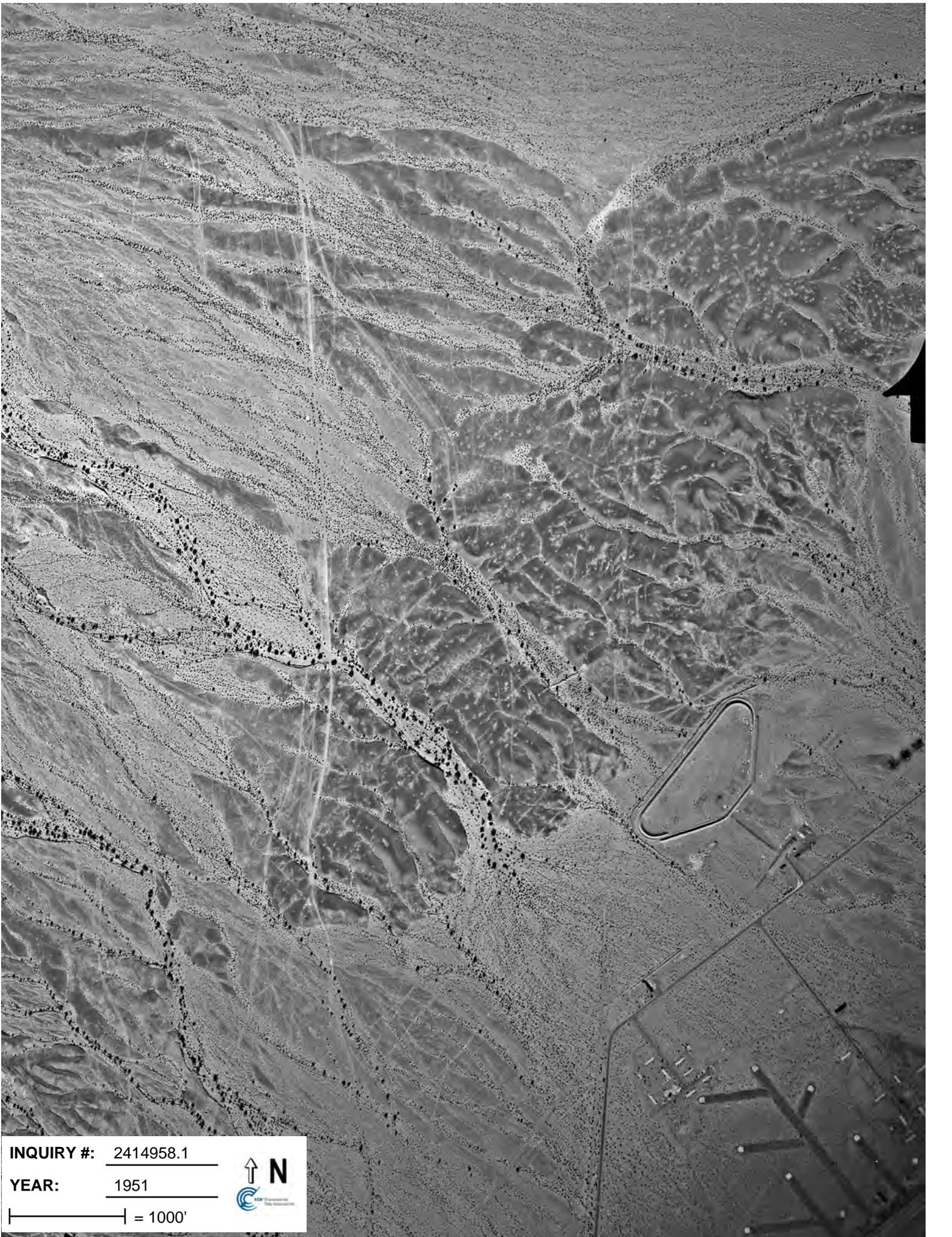


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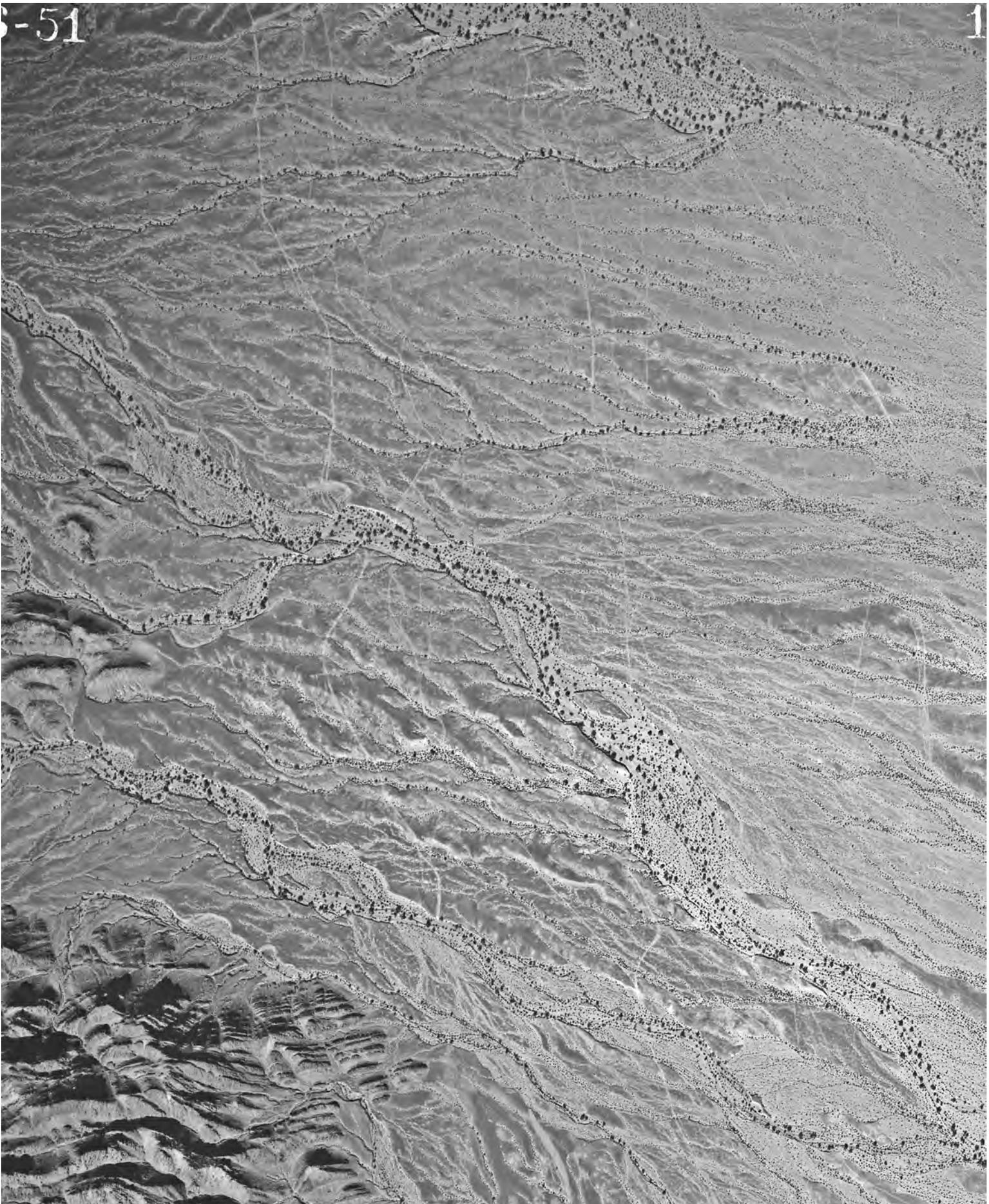
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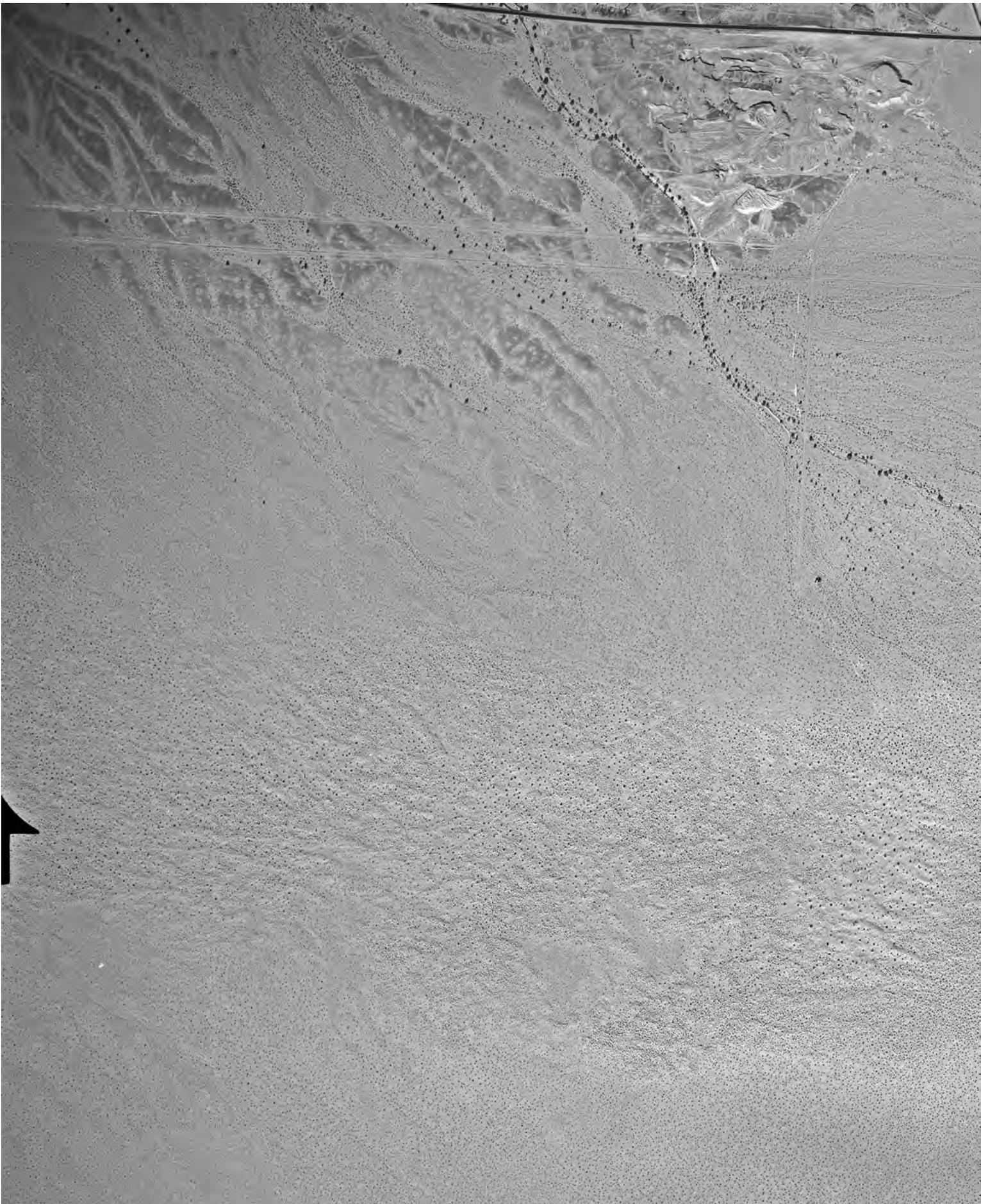


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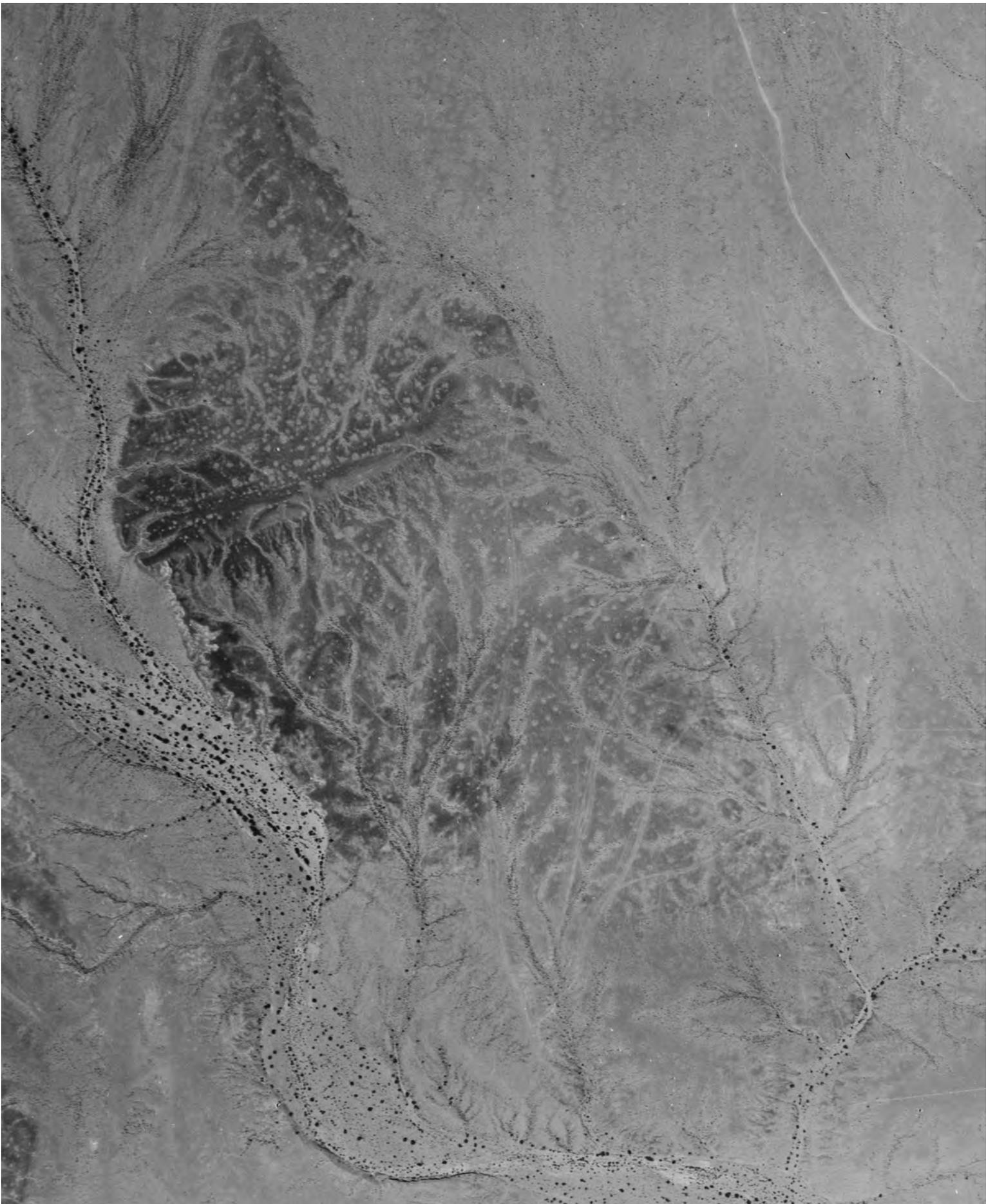


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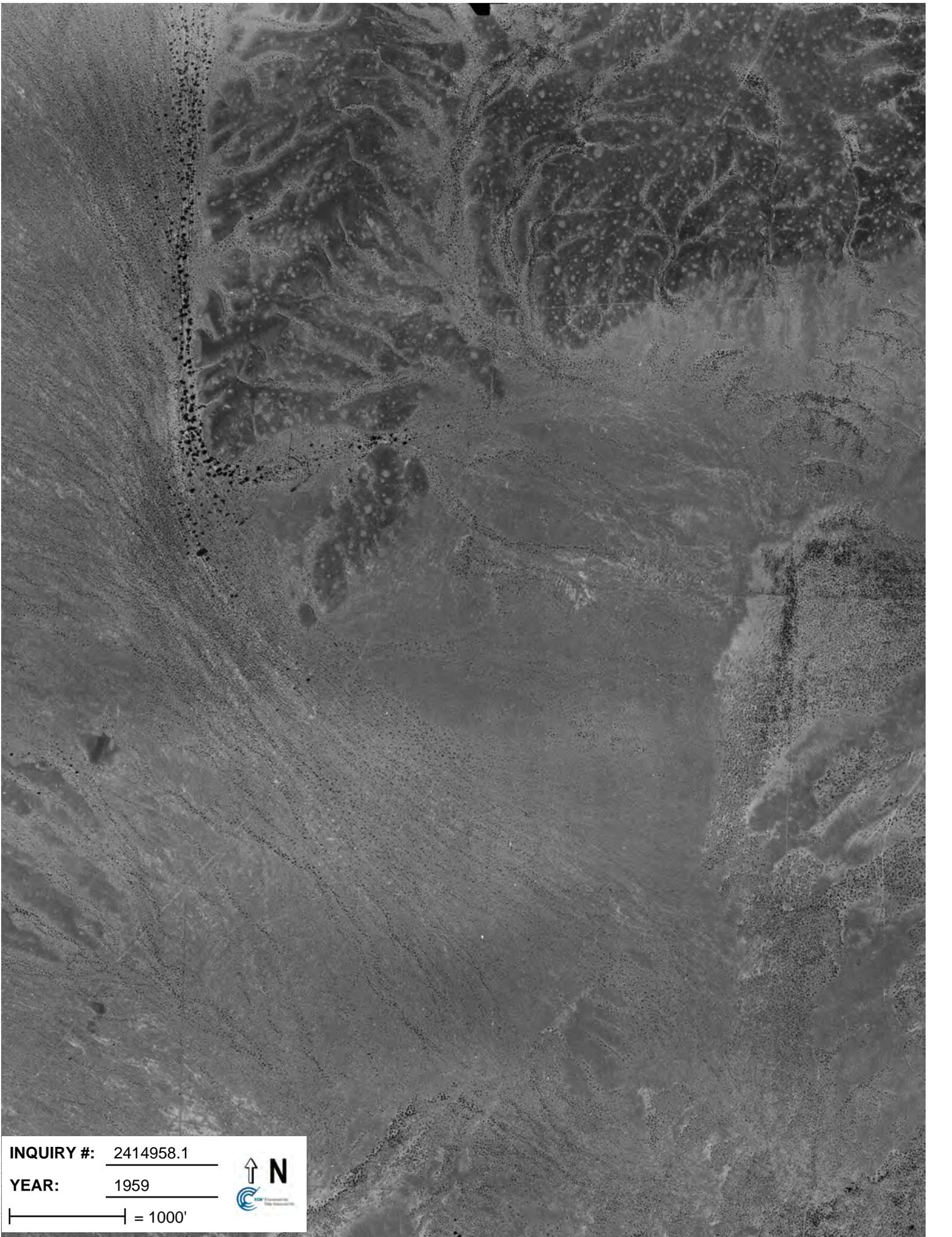




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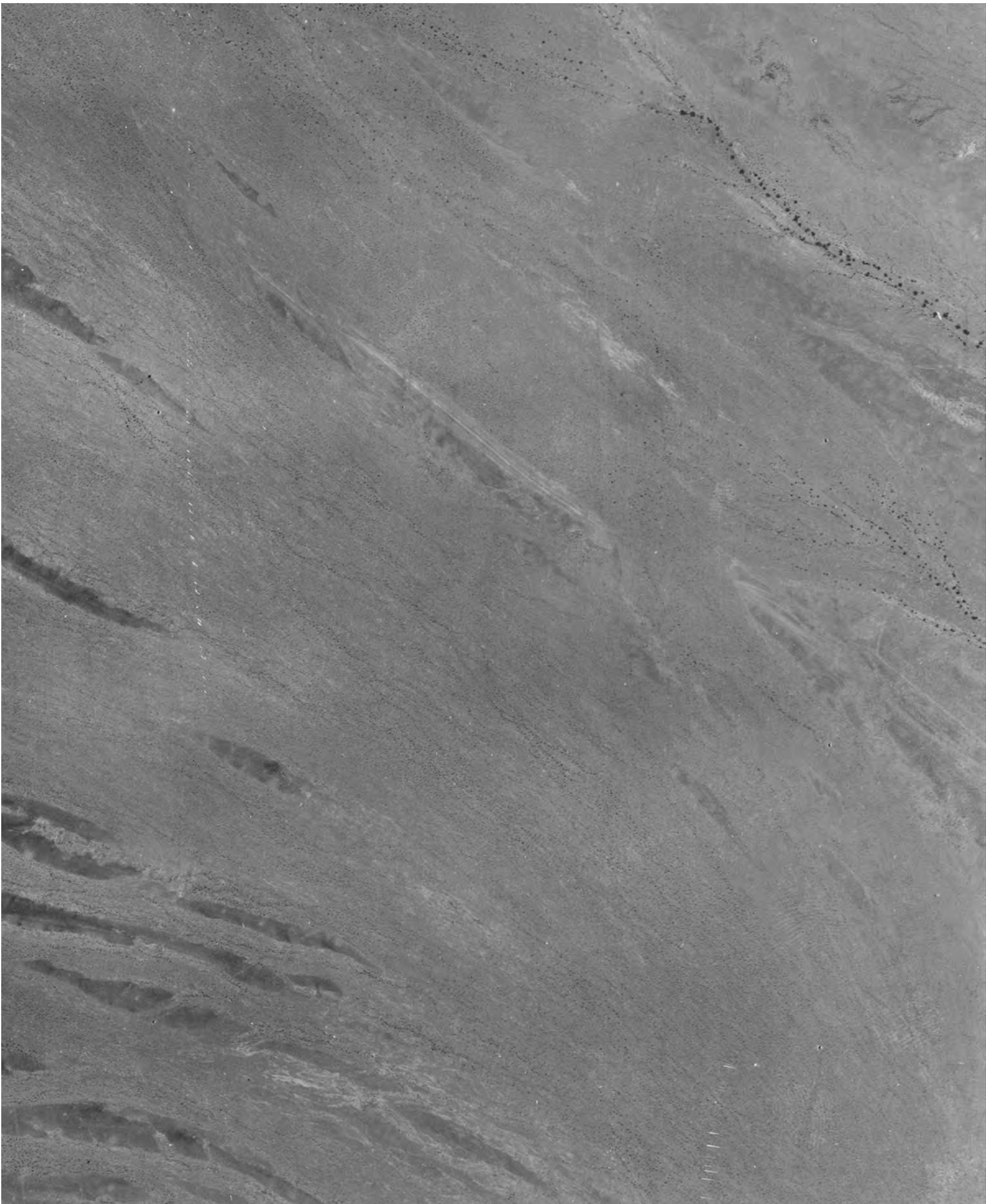


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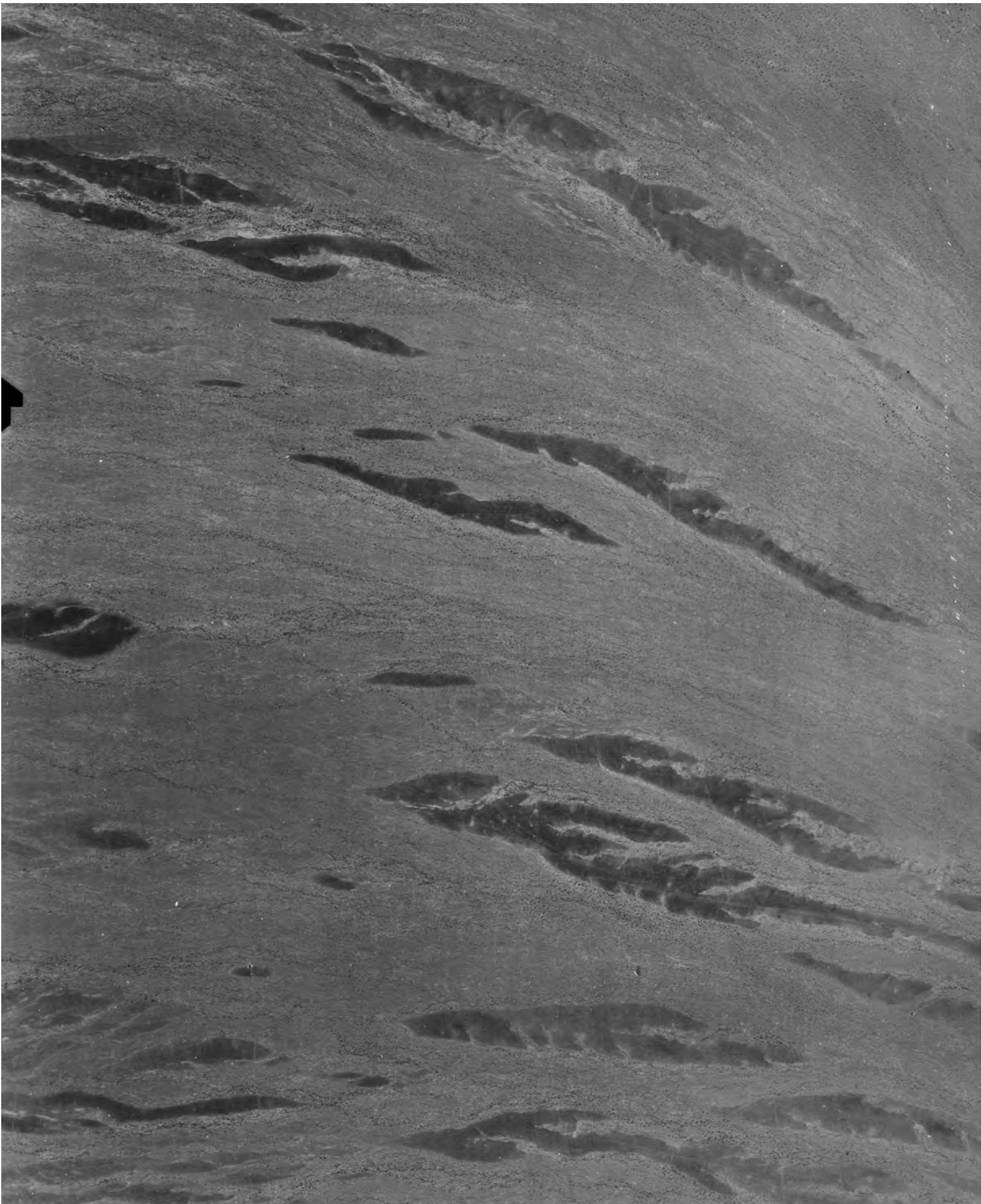
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NATIONAL OCEANOGRAPHIC AND ATMOSPHERIC ADMINISTRATION

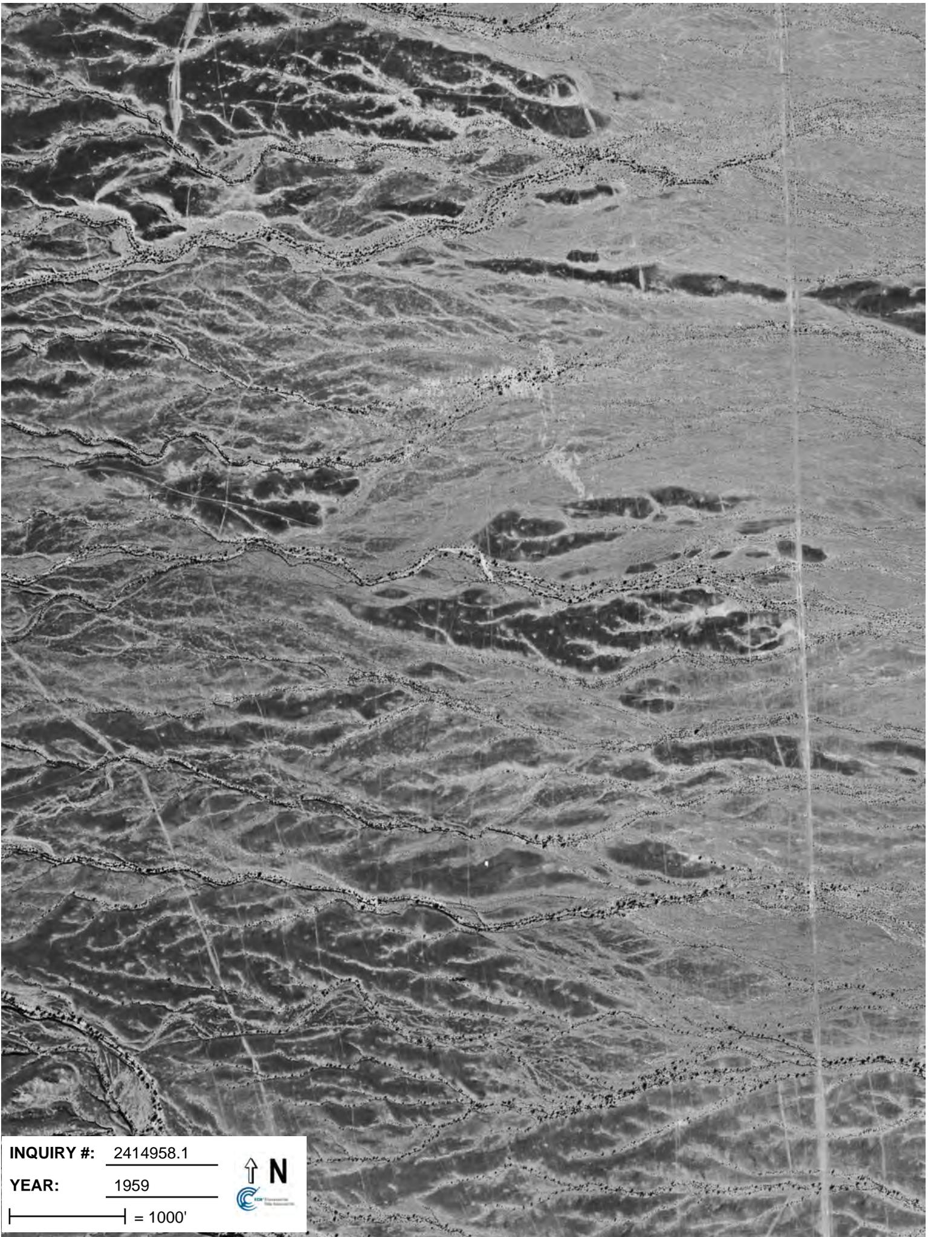
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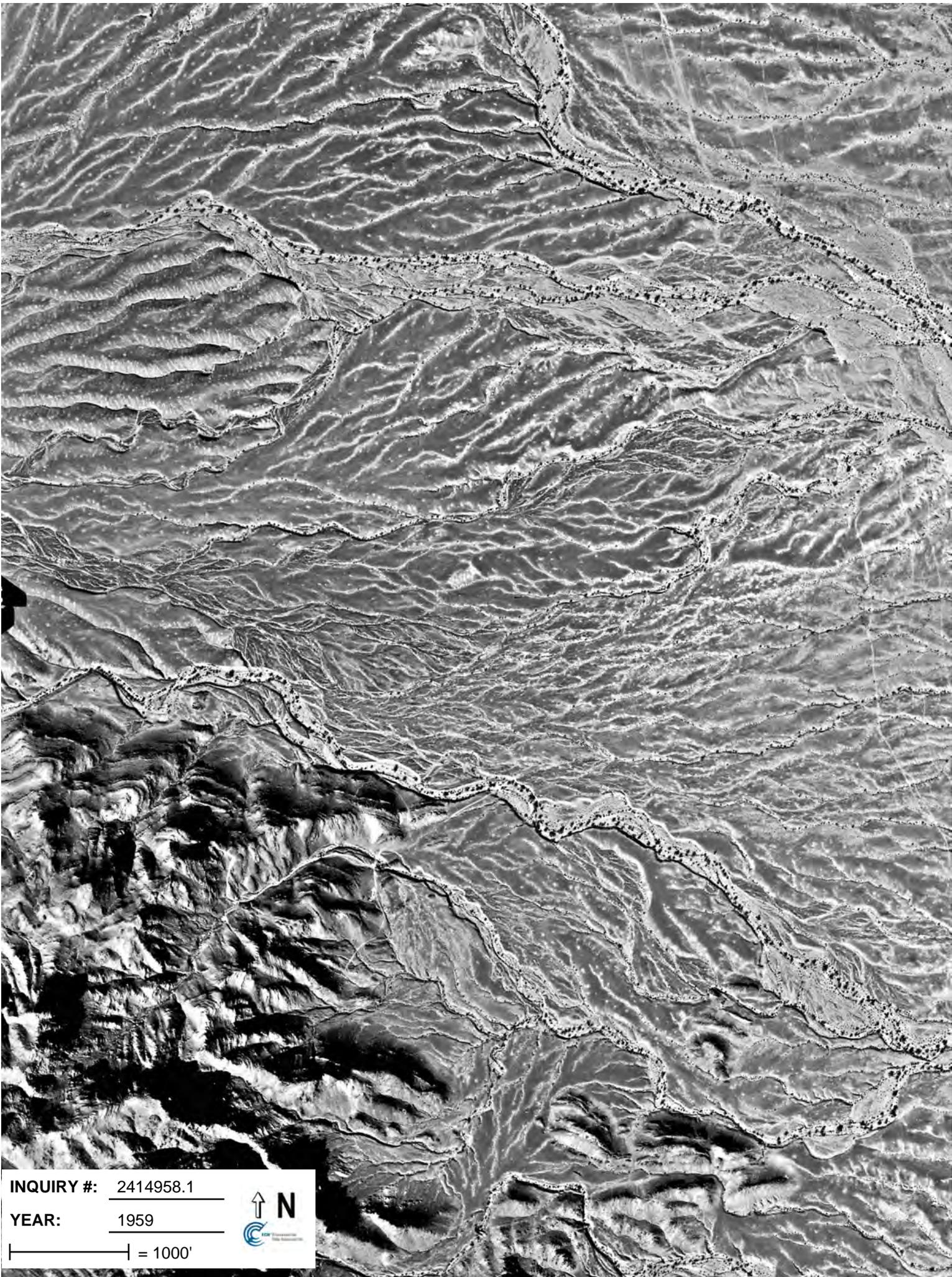




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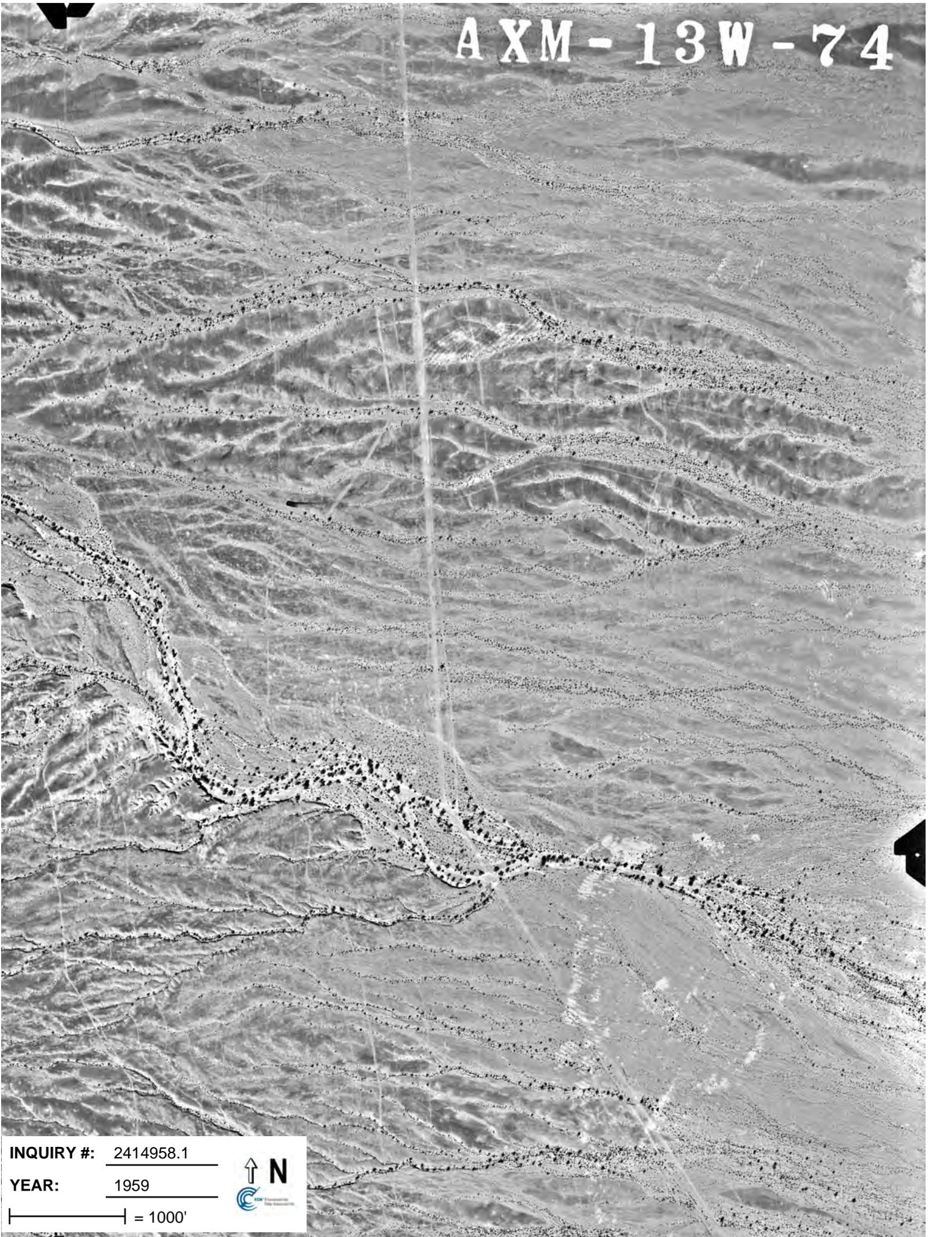
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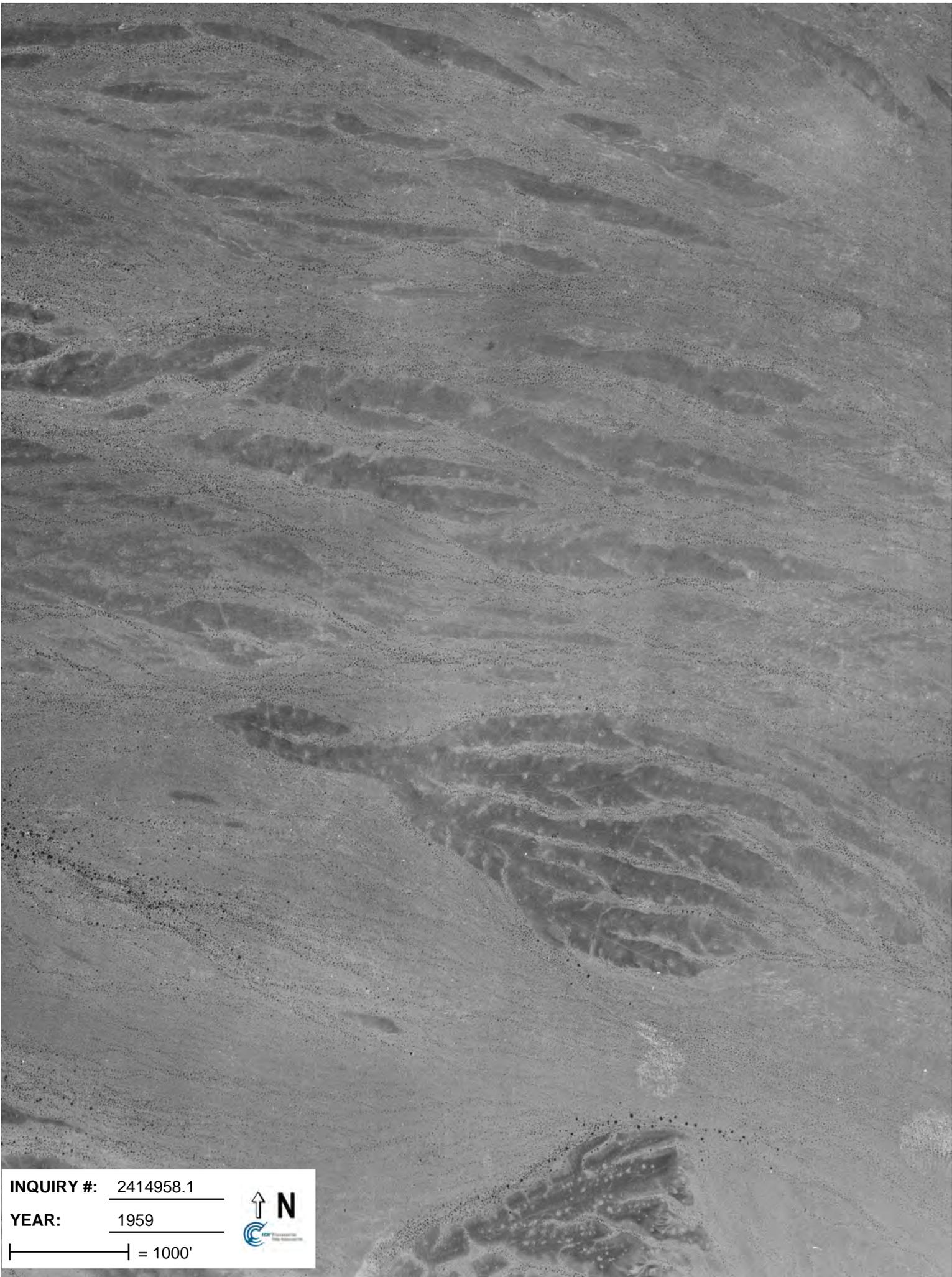


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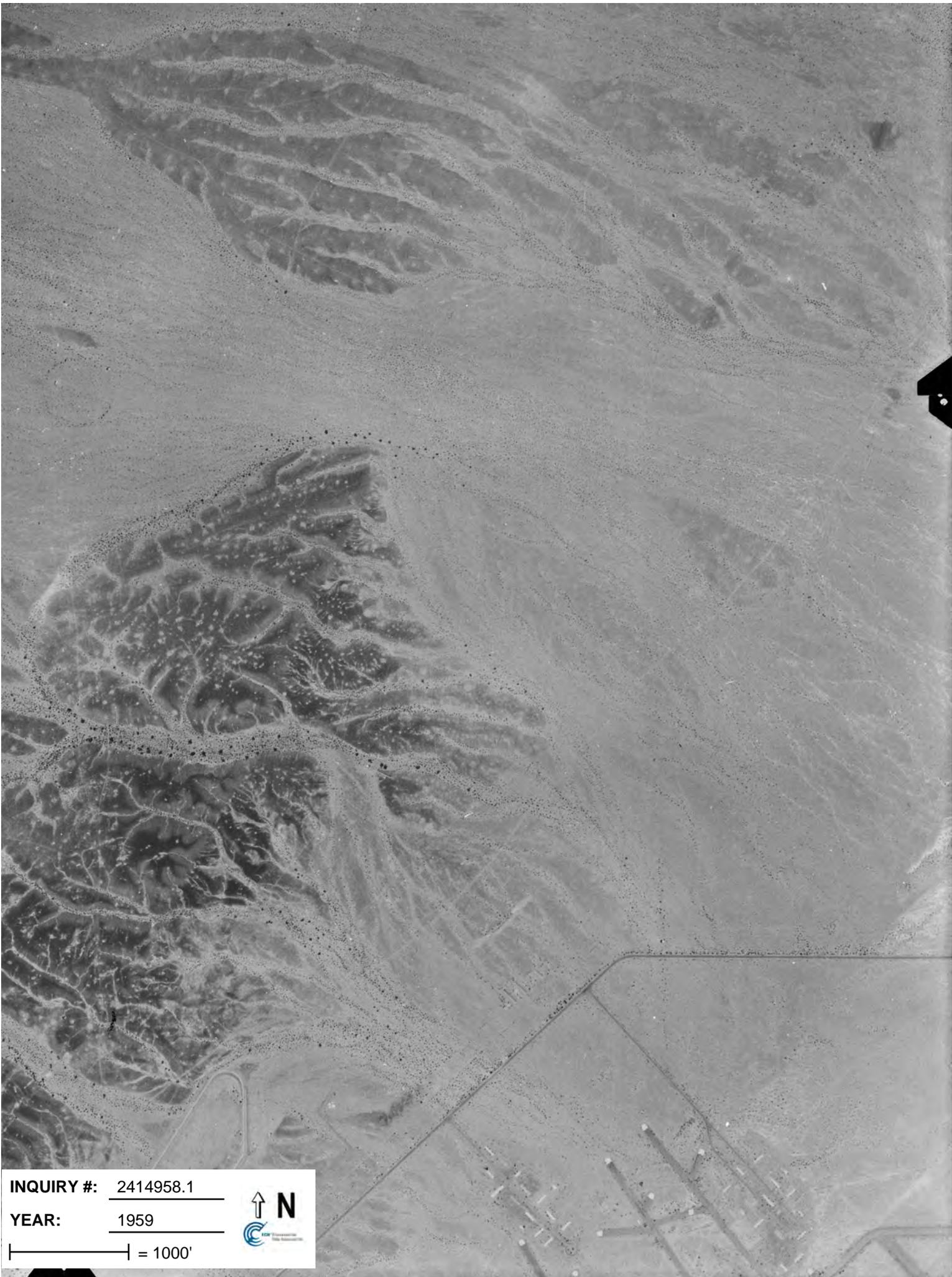


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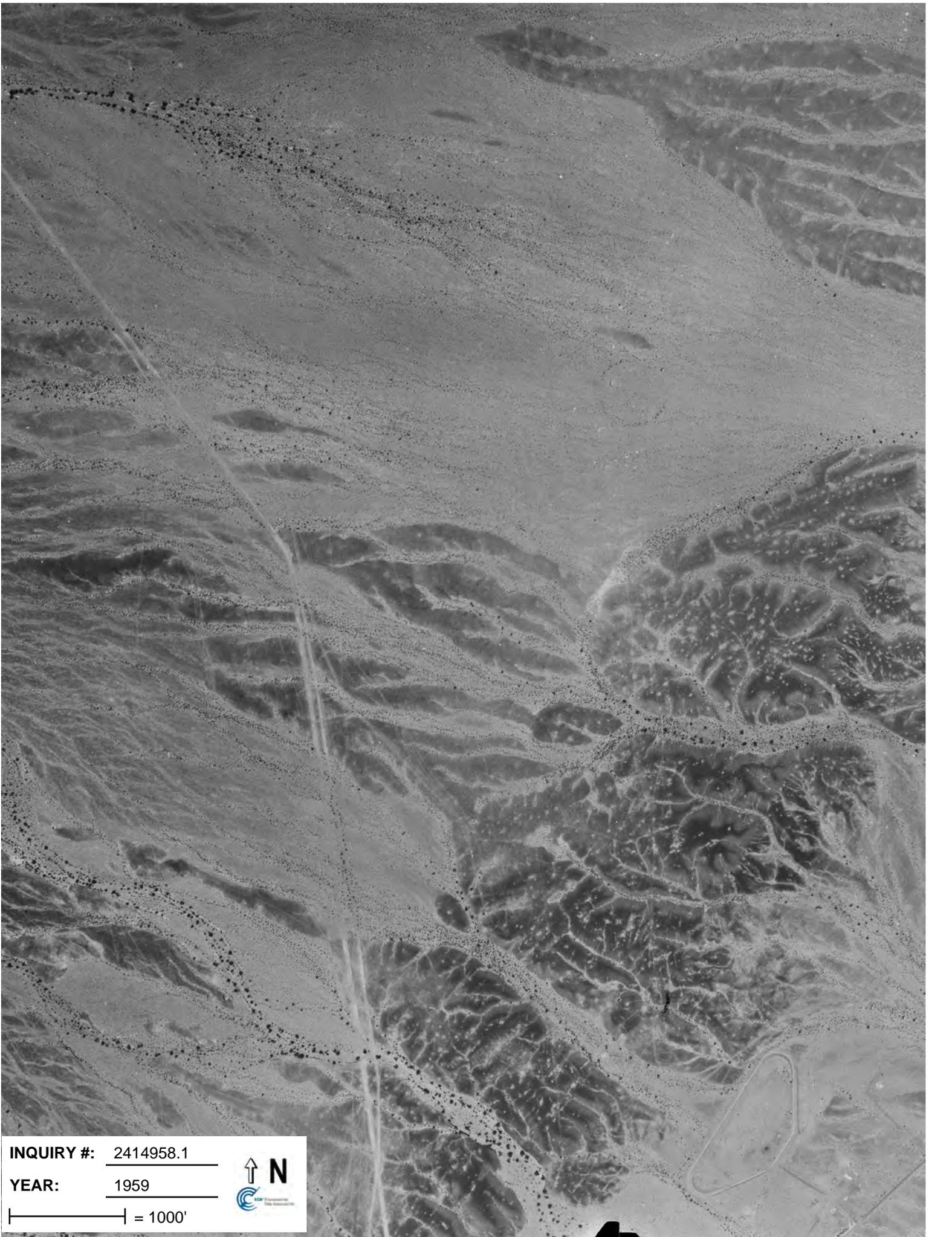


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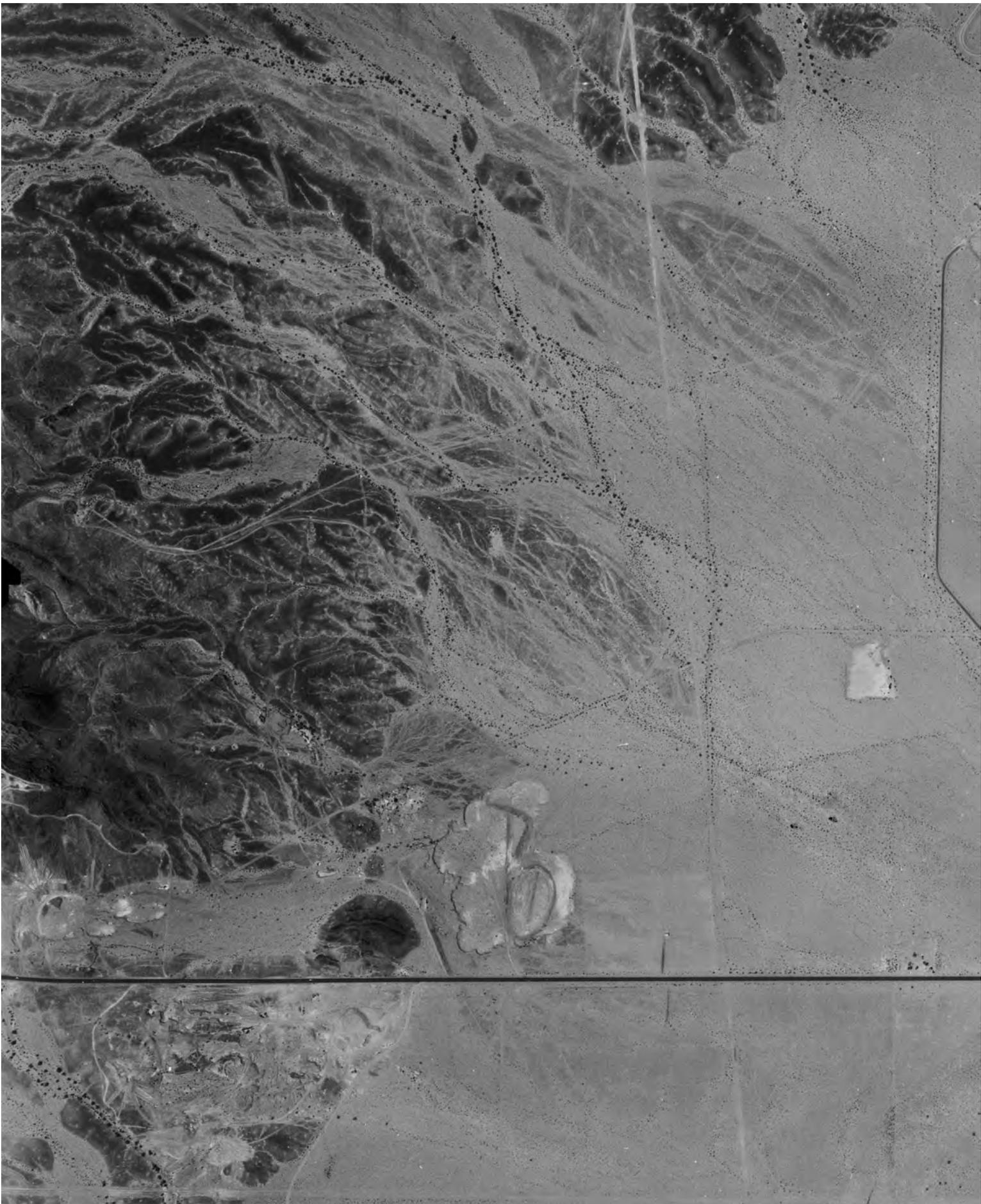


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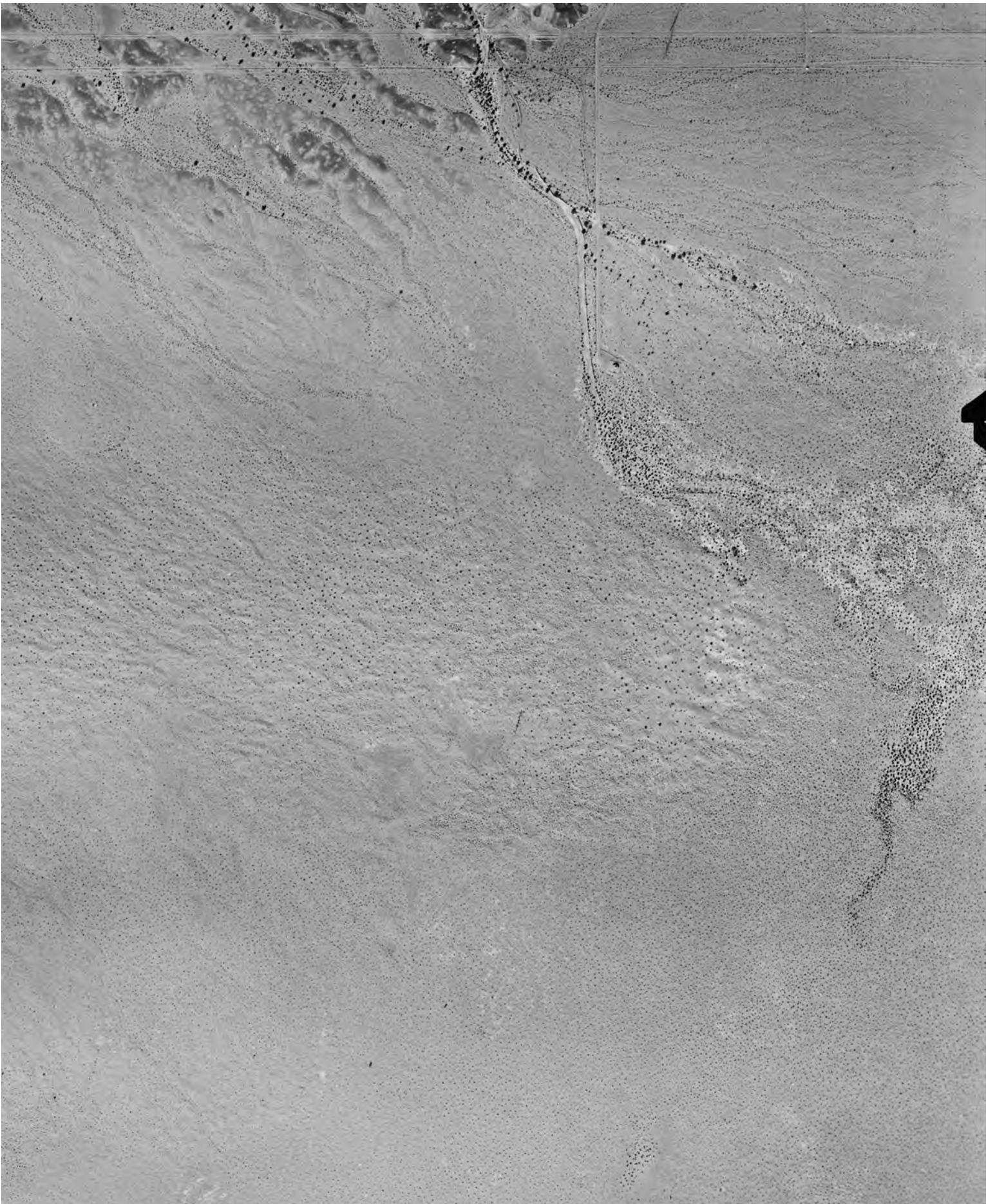


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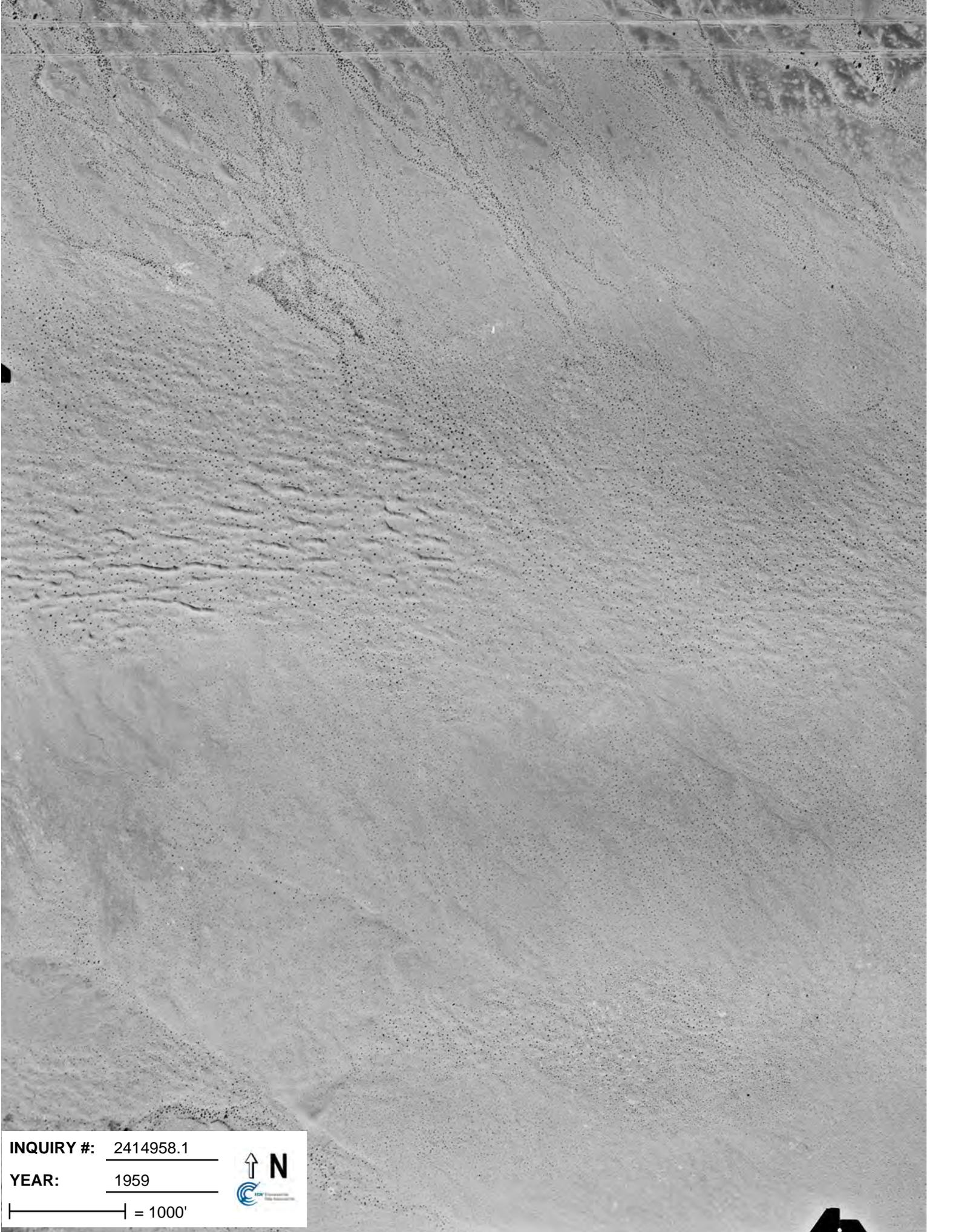


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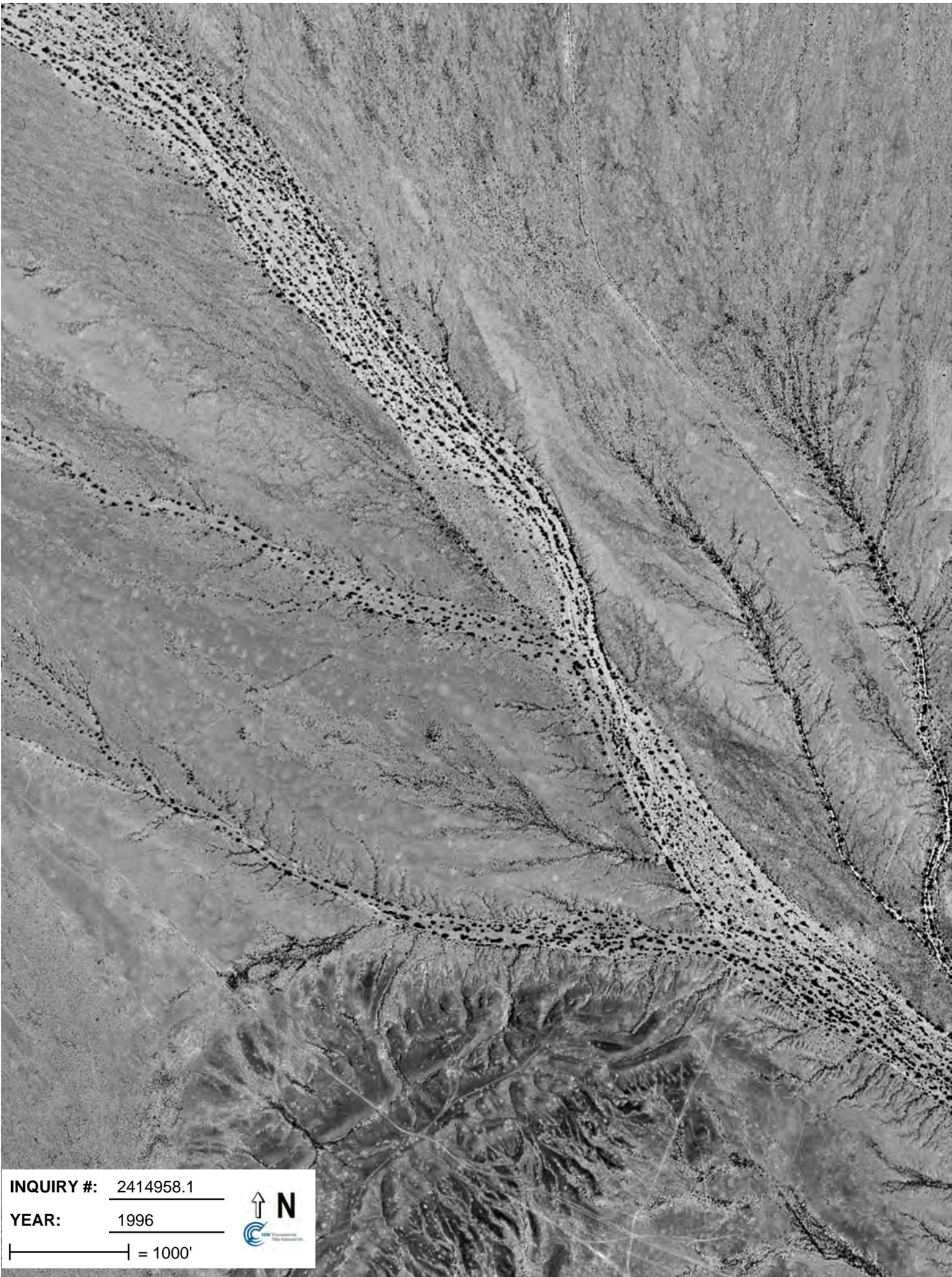


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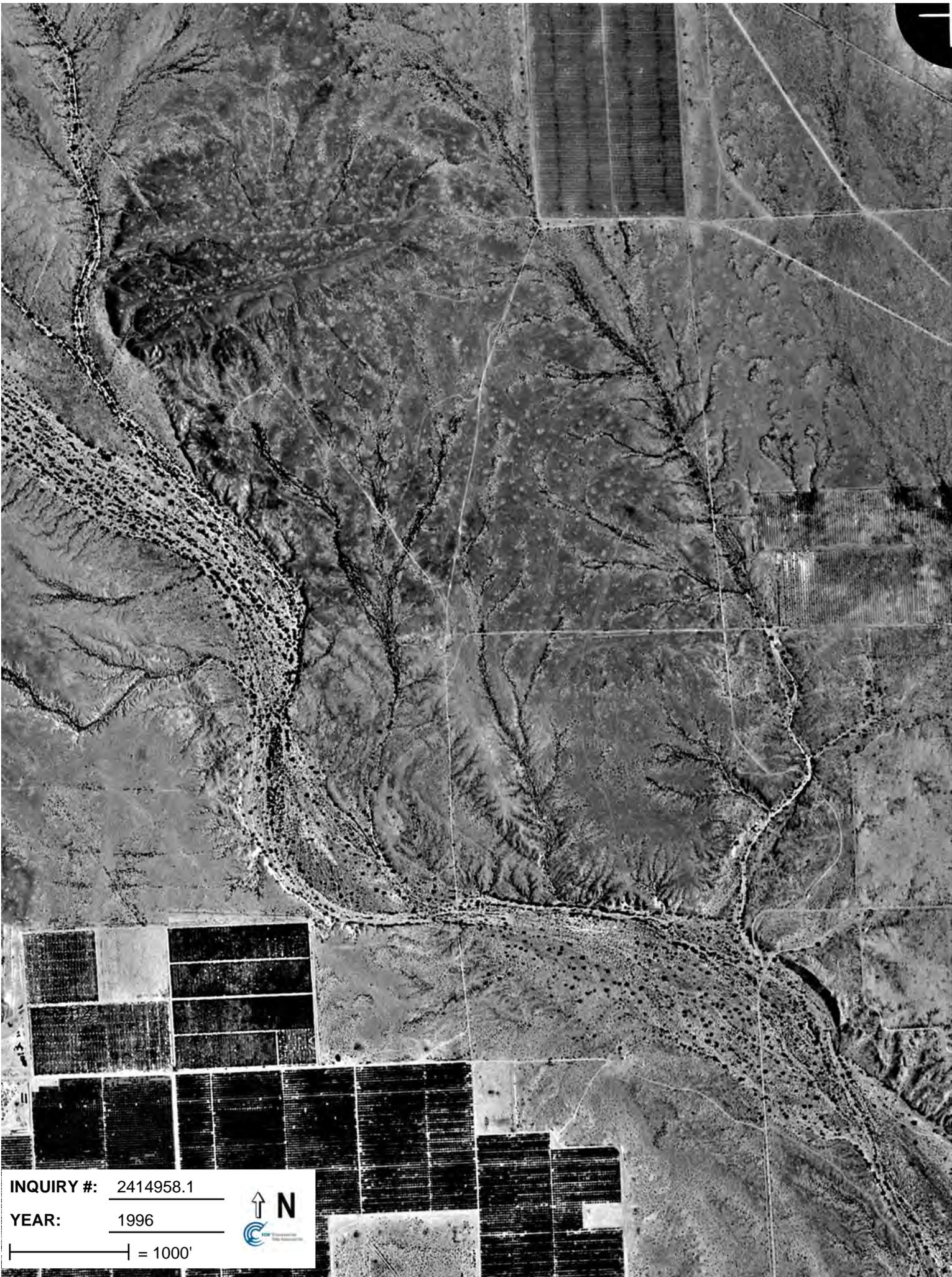


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YEAR: 1996

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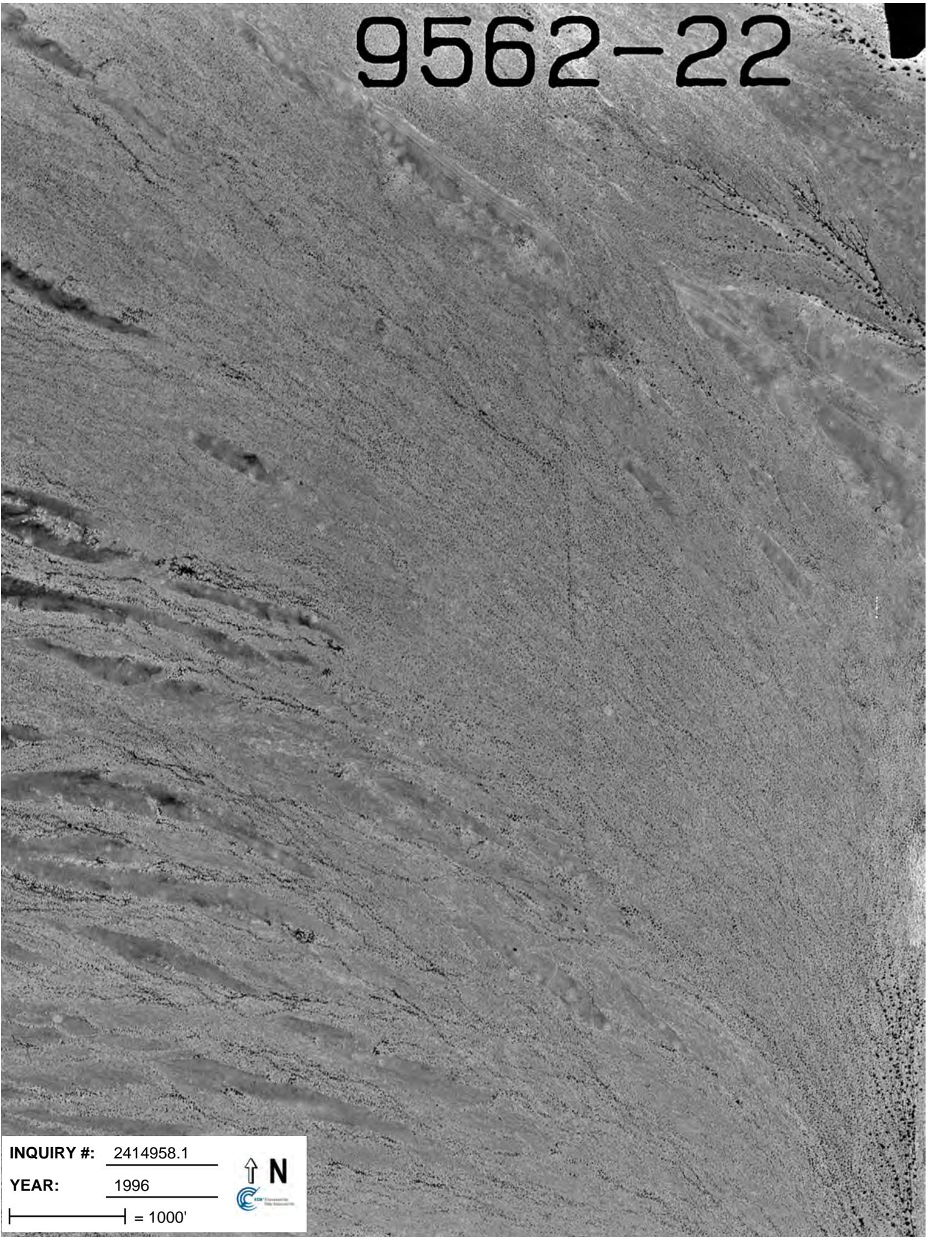
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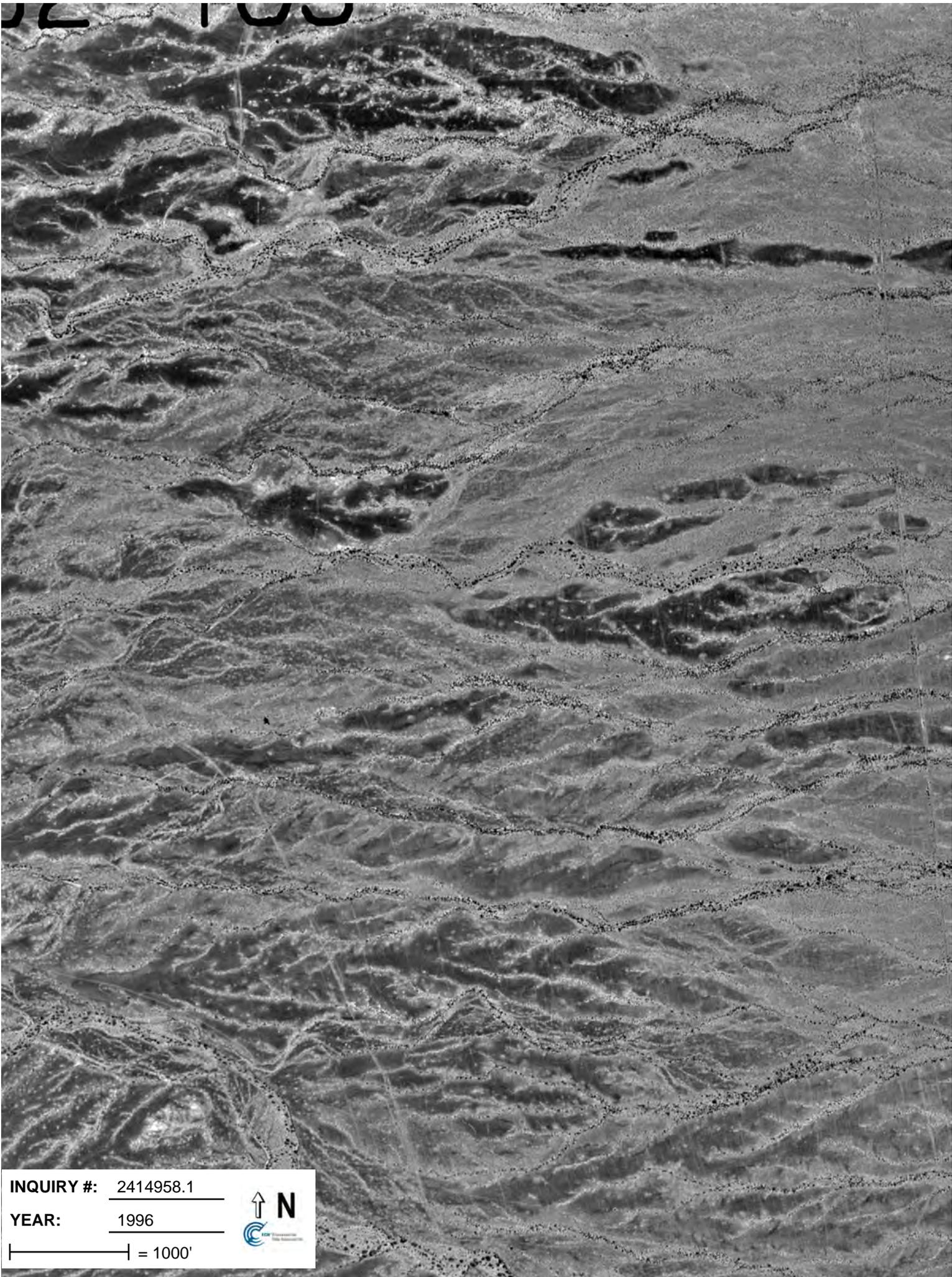
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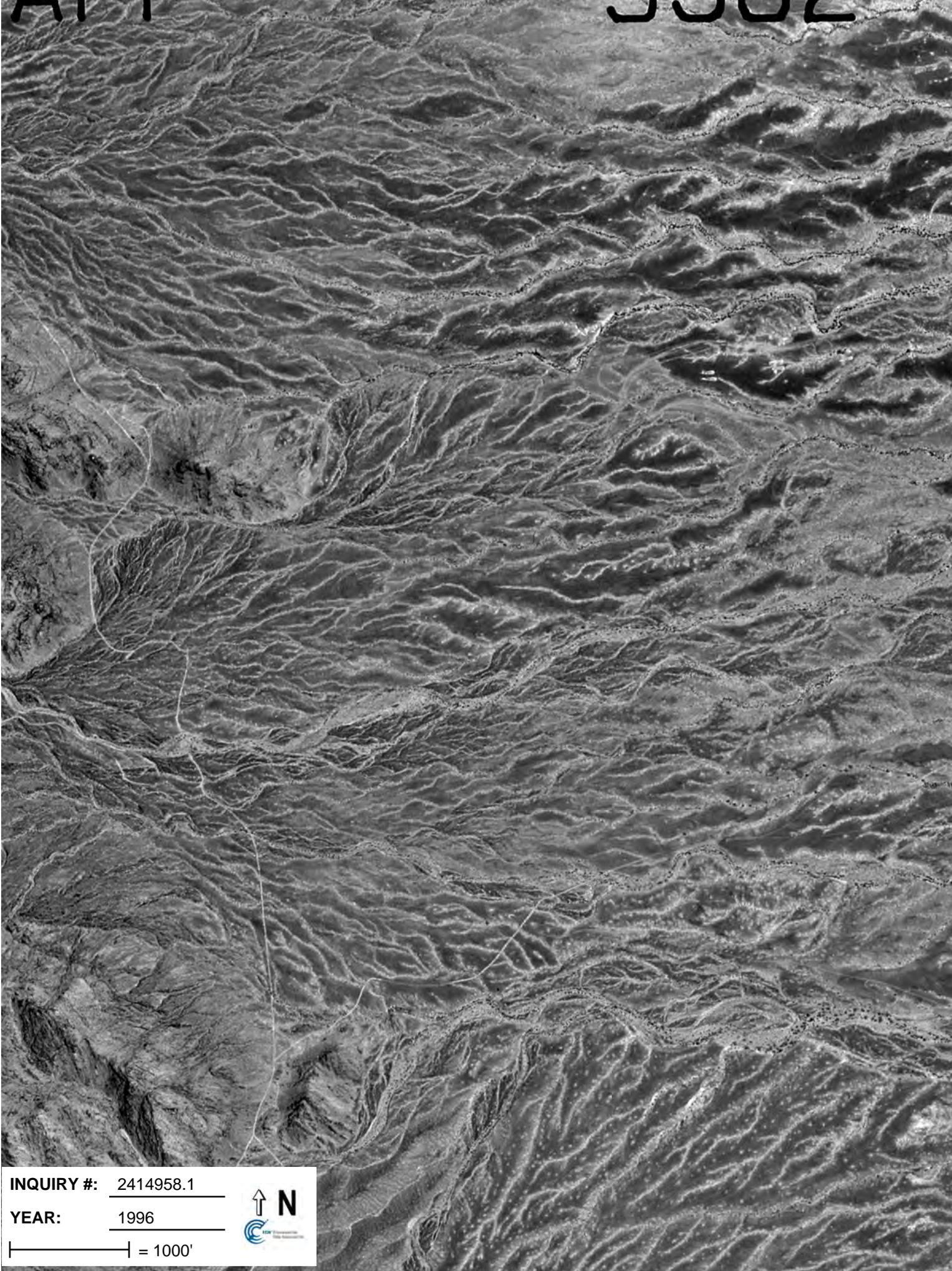
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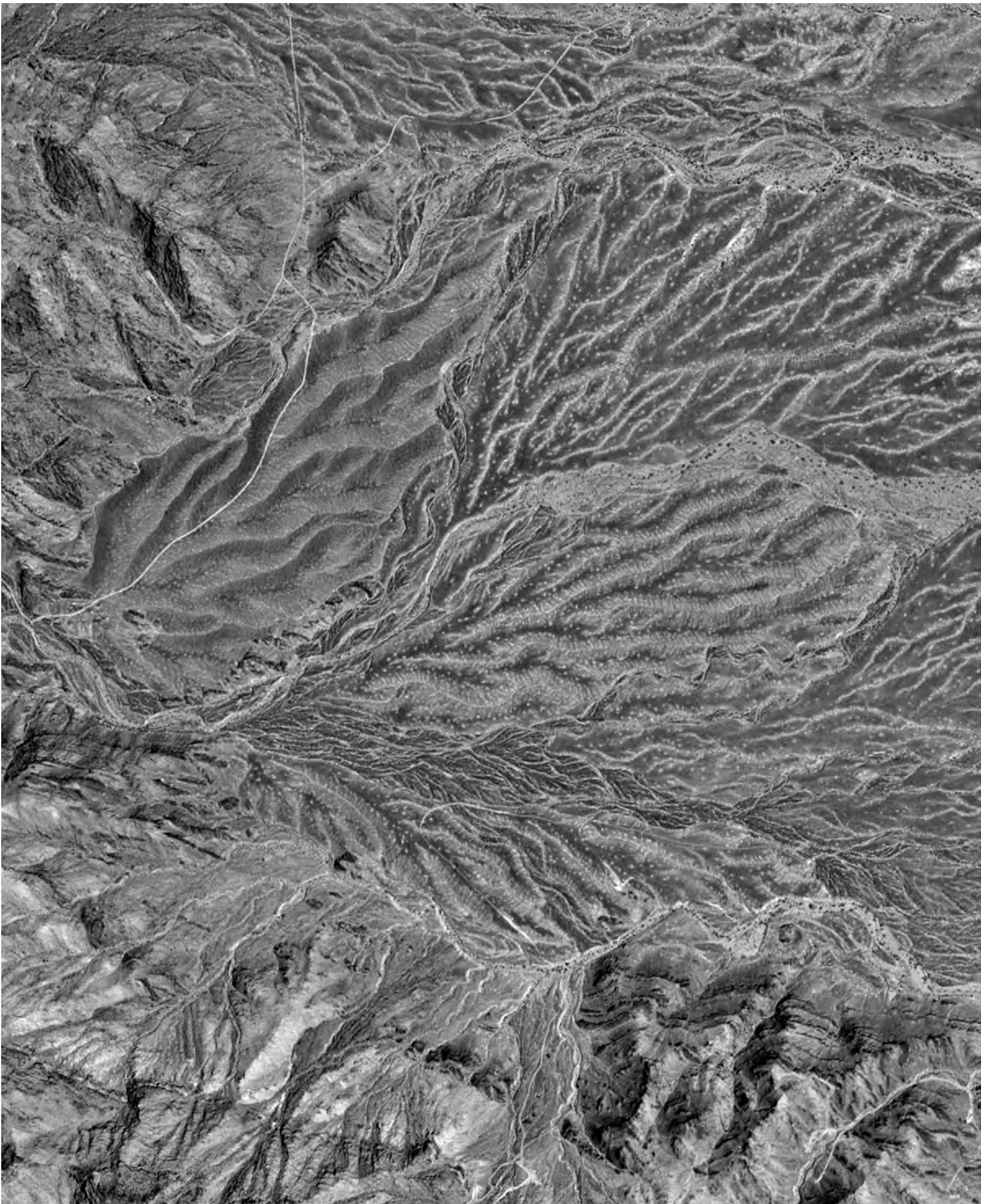
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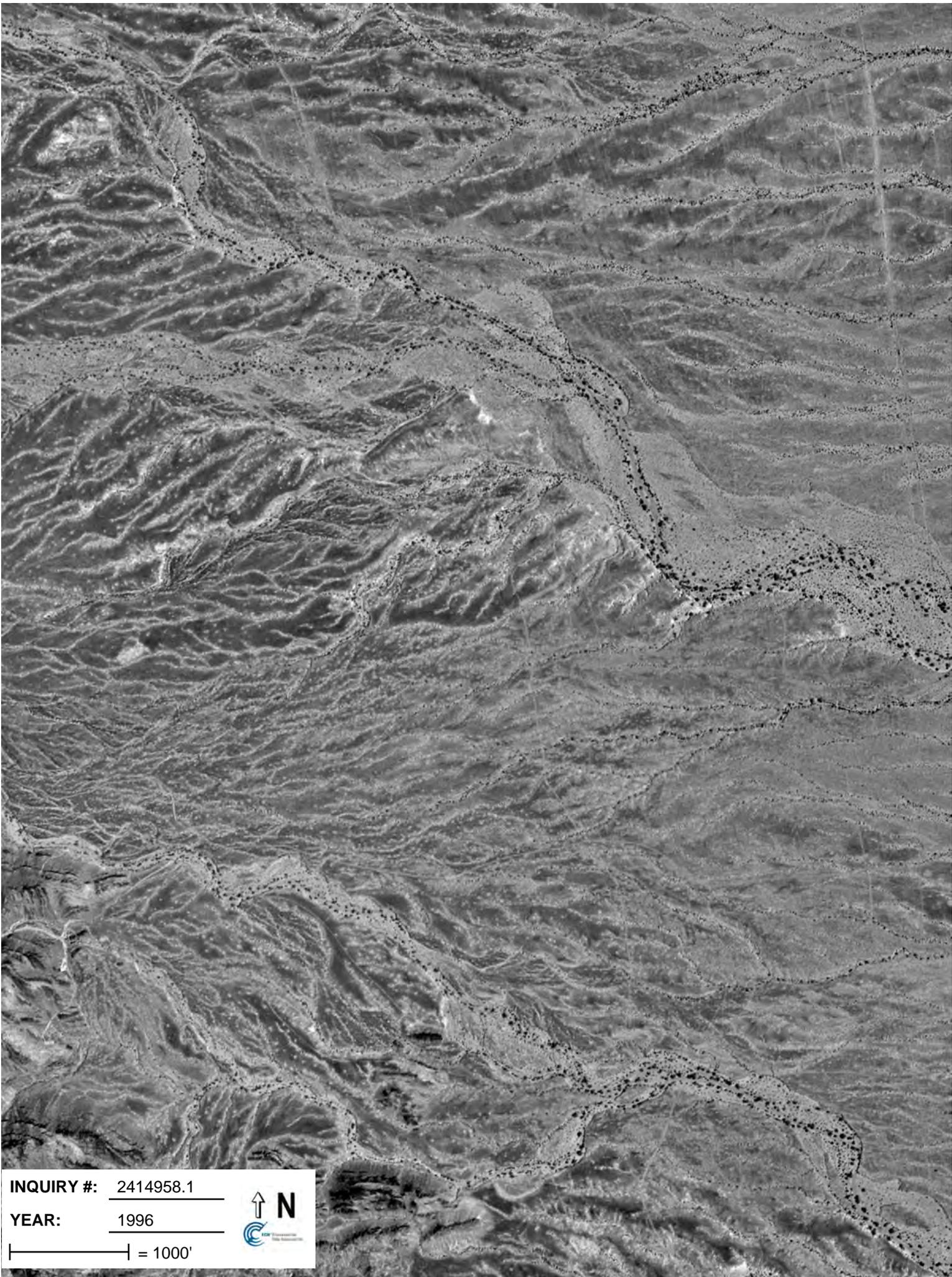
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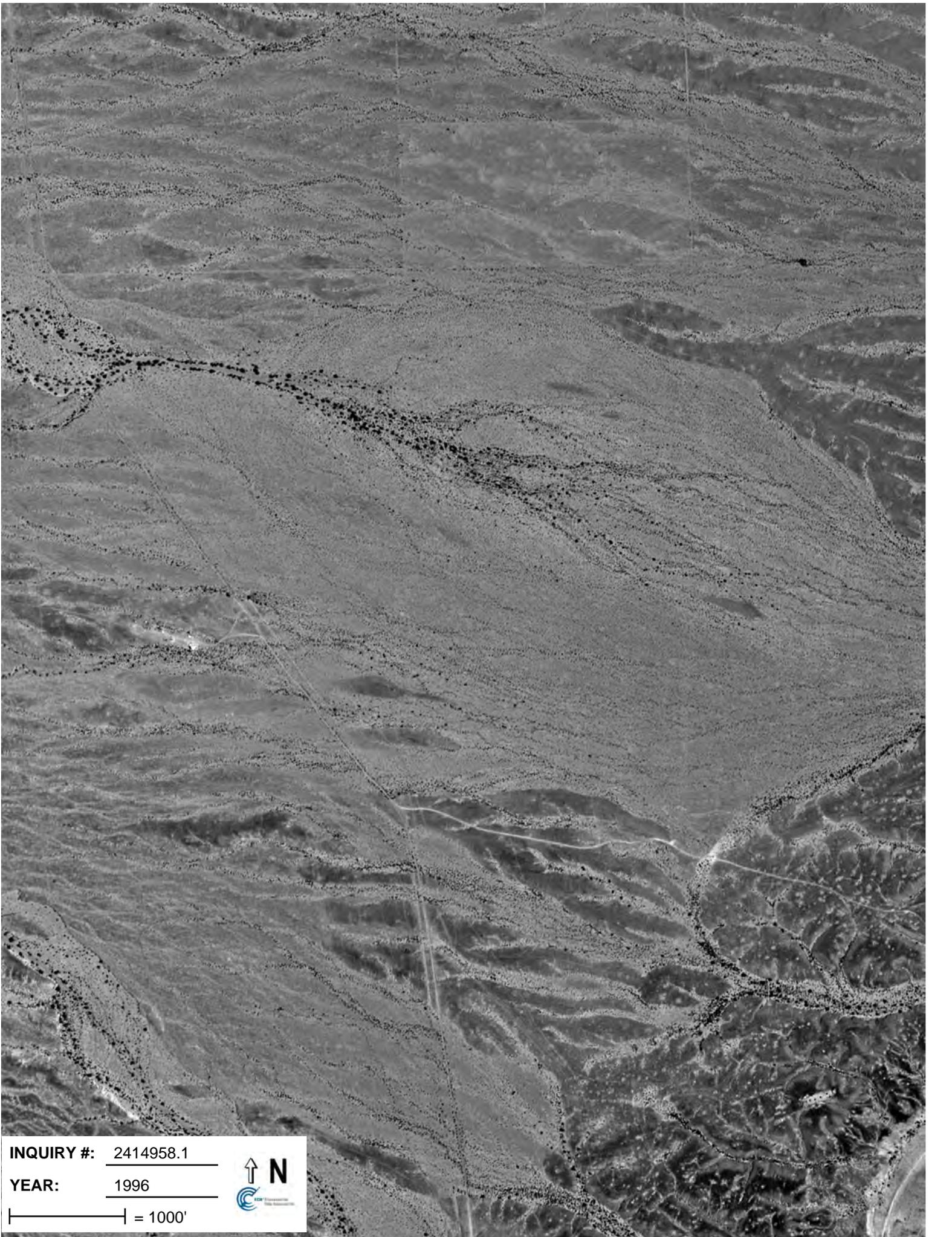


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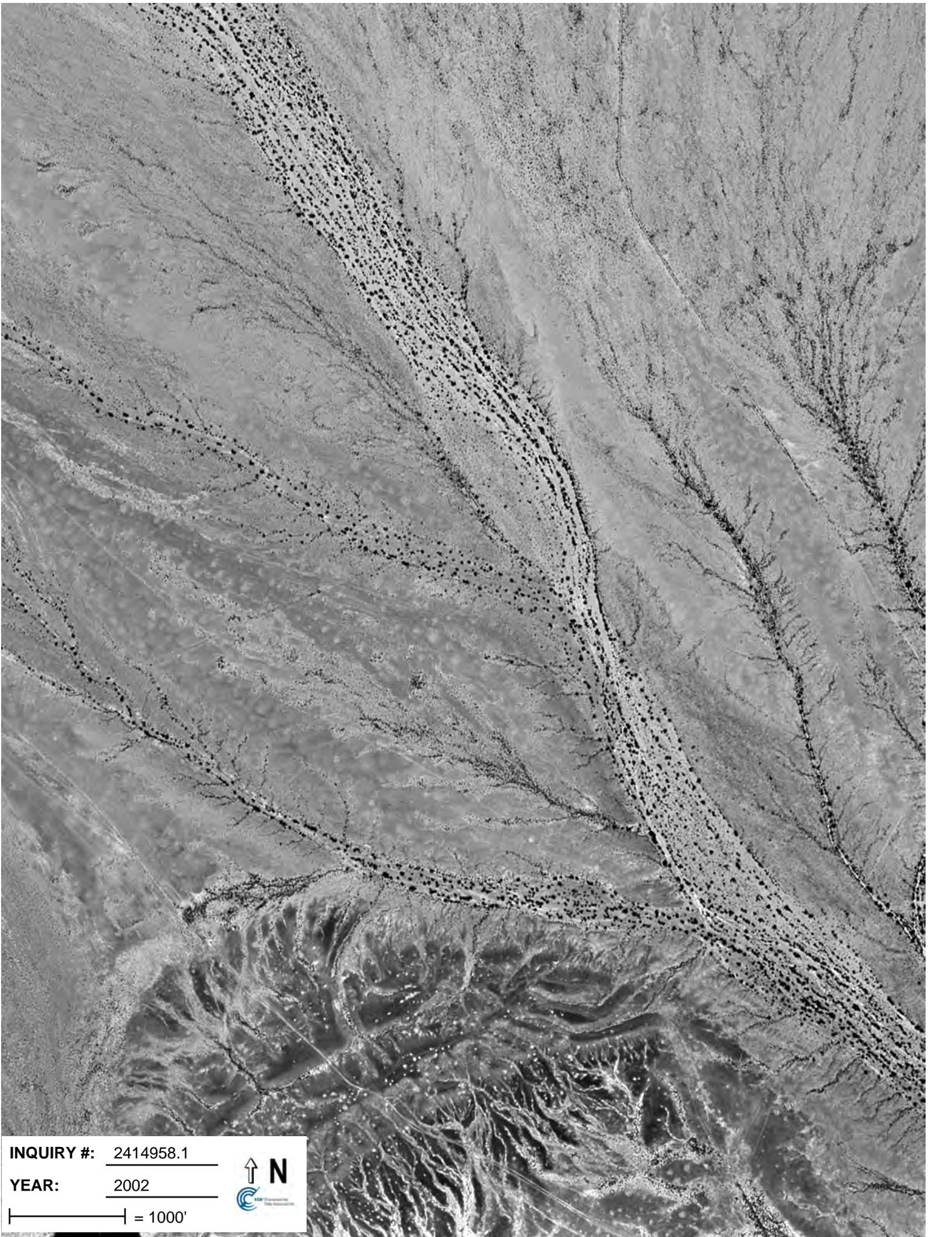


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YEAR: 2002

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INQUIRY #: 2414958.1
YEAR: 2002

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— = 1000'

NAPP



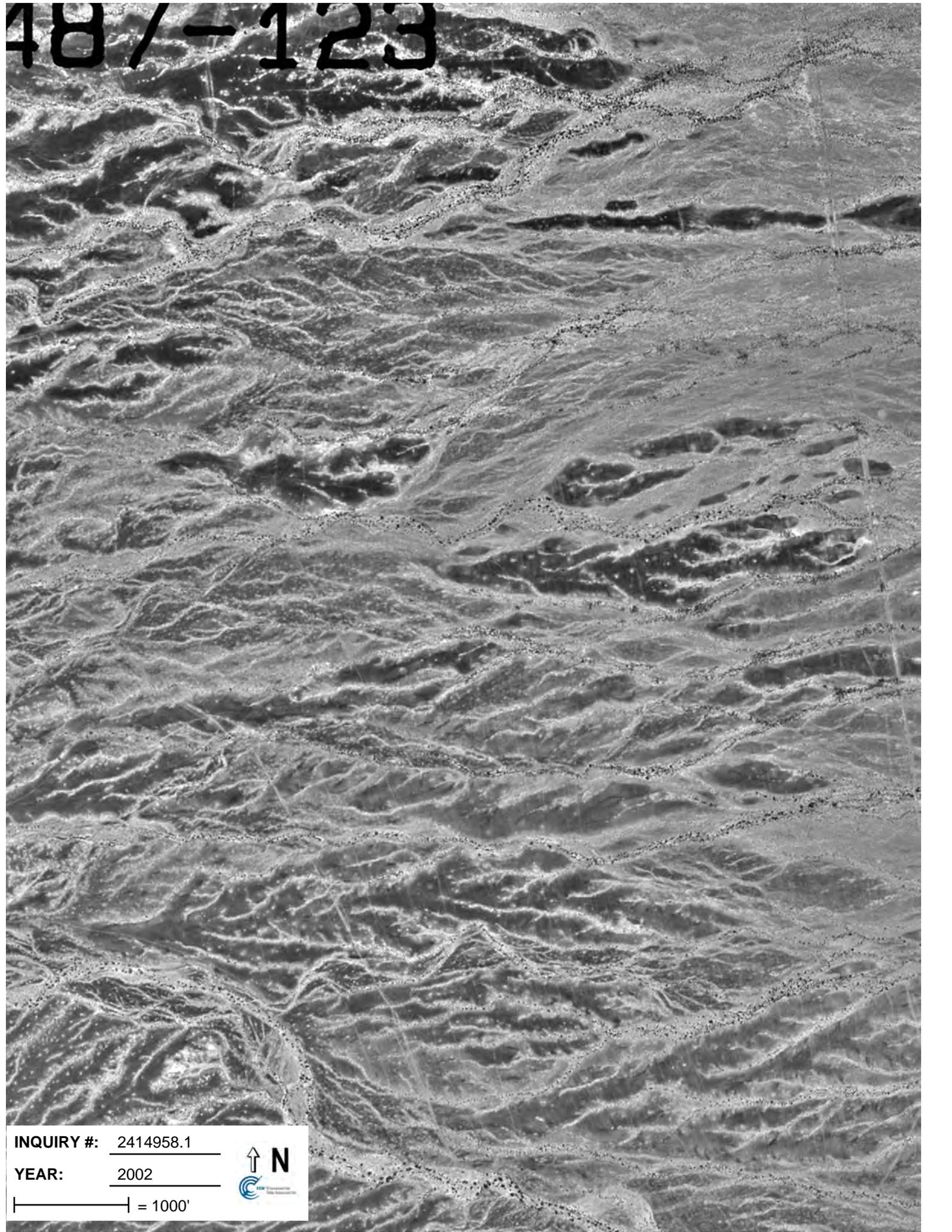
INQUIRY #: 2414958.1

YEAR: 2002

— = 1000'



487-123

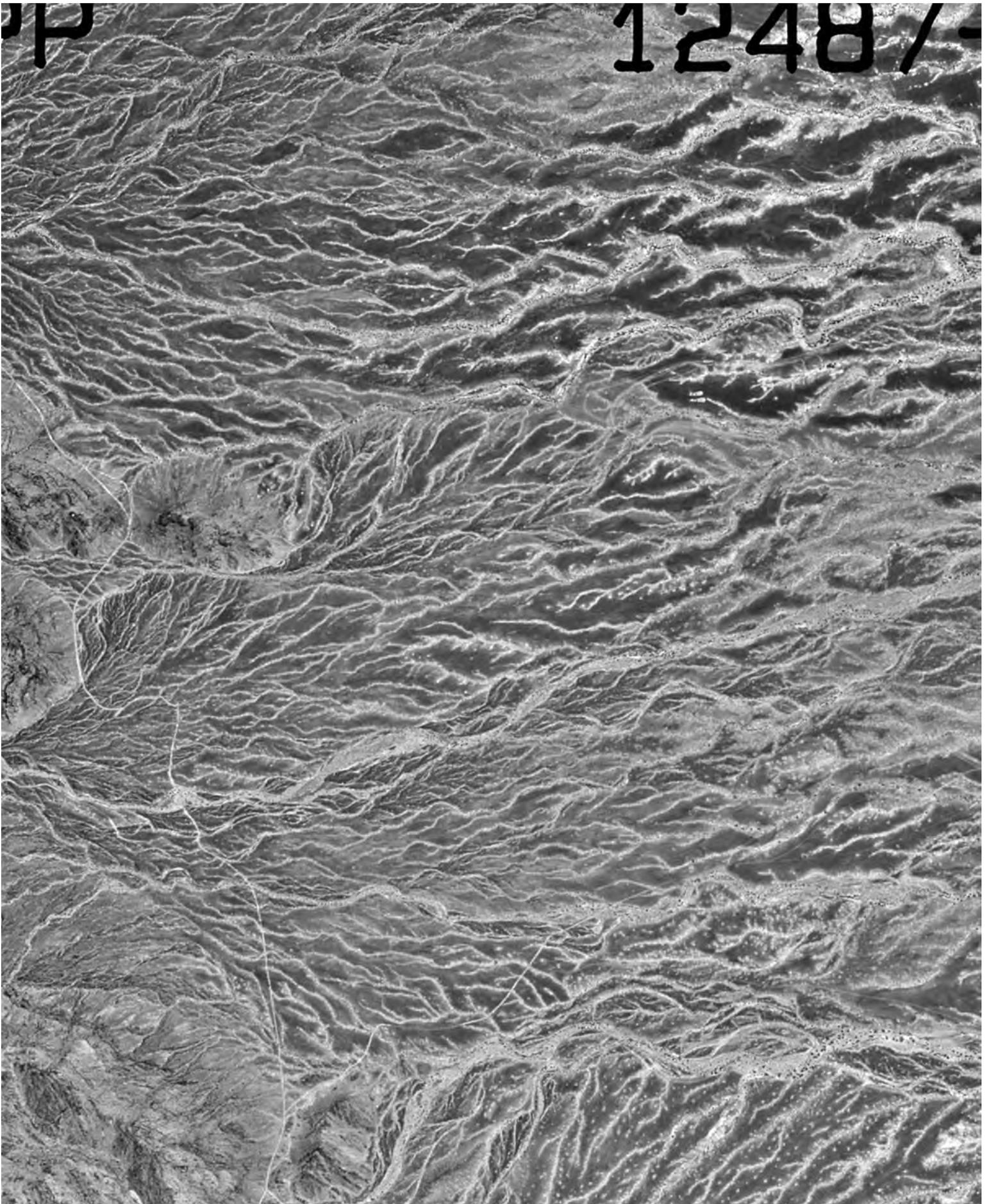


INQUIRY #: 2414958.1
YEAR: 2002
| = 1000'



PP

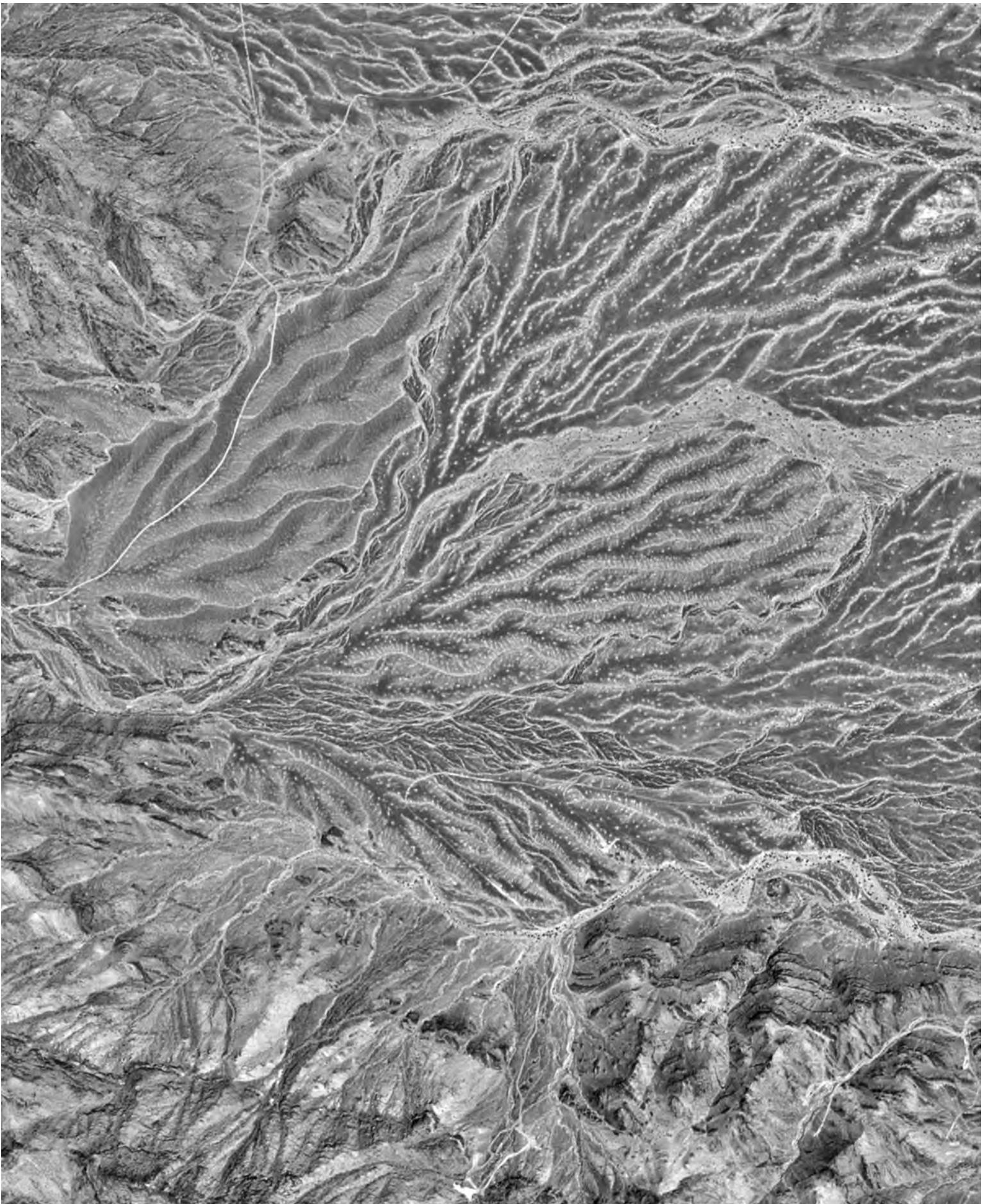
12487-



INQUIRY #: 2414958.1
YEAR: 2002

↑ N
= 1000'

A north arrow pointing upwards with the letter 'N' to its right. Below the arrow is a scale bar consisting of a horizontal line with a vertical tick mark at the left end, followed by the text '= 1000''.

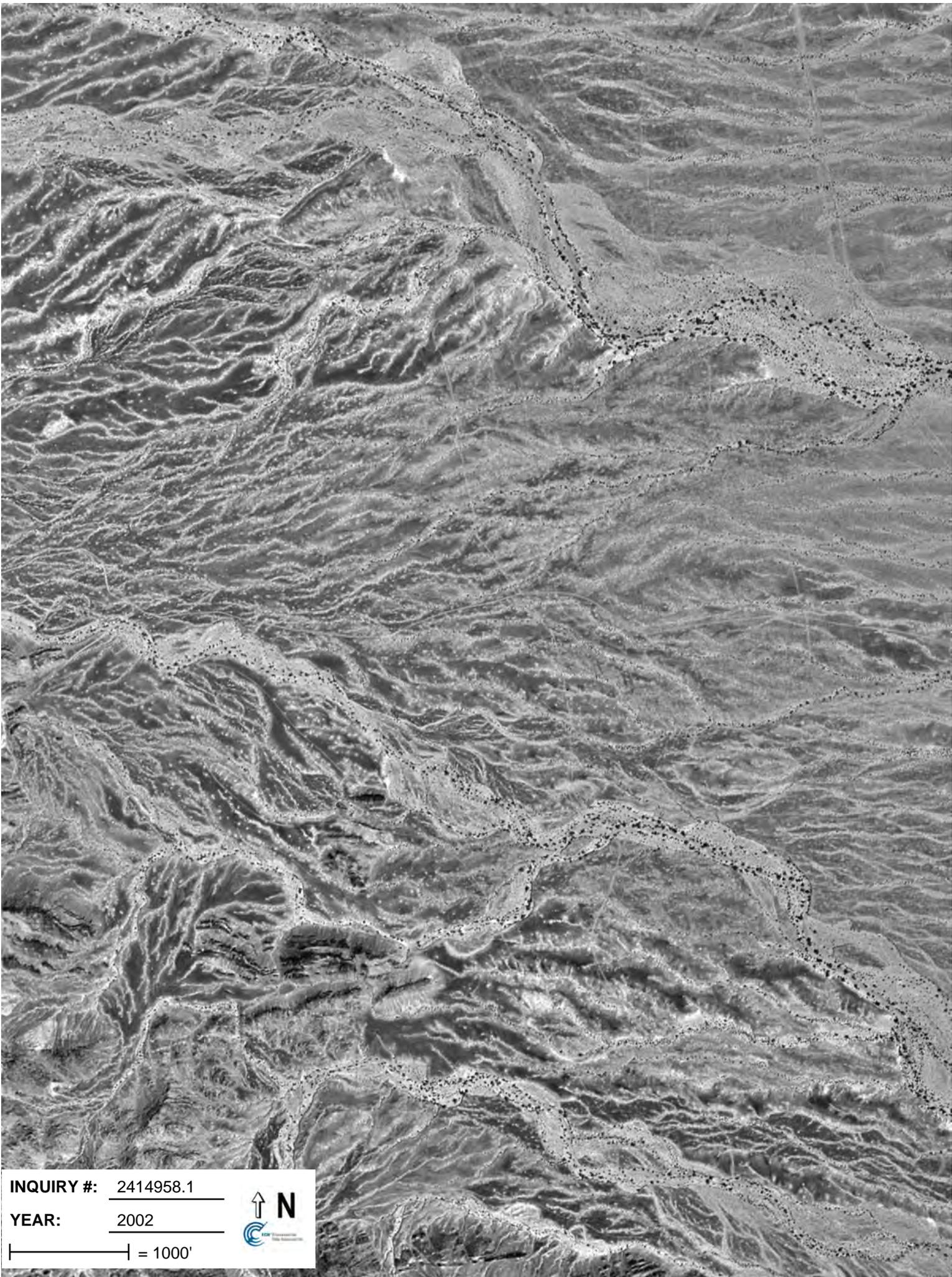


INQUIRY #: 2414958.1

YEAR: 2002

| = 1000'



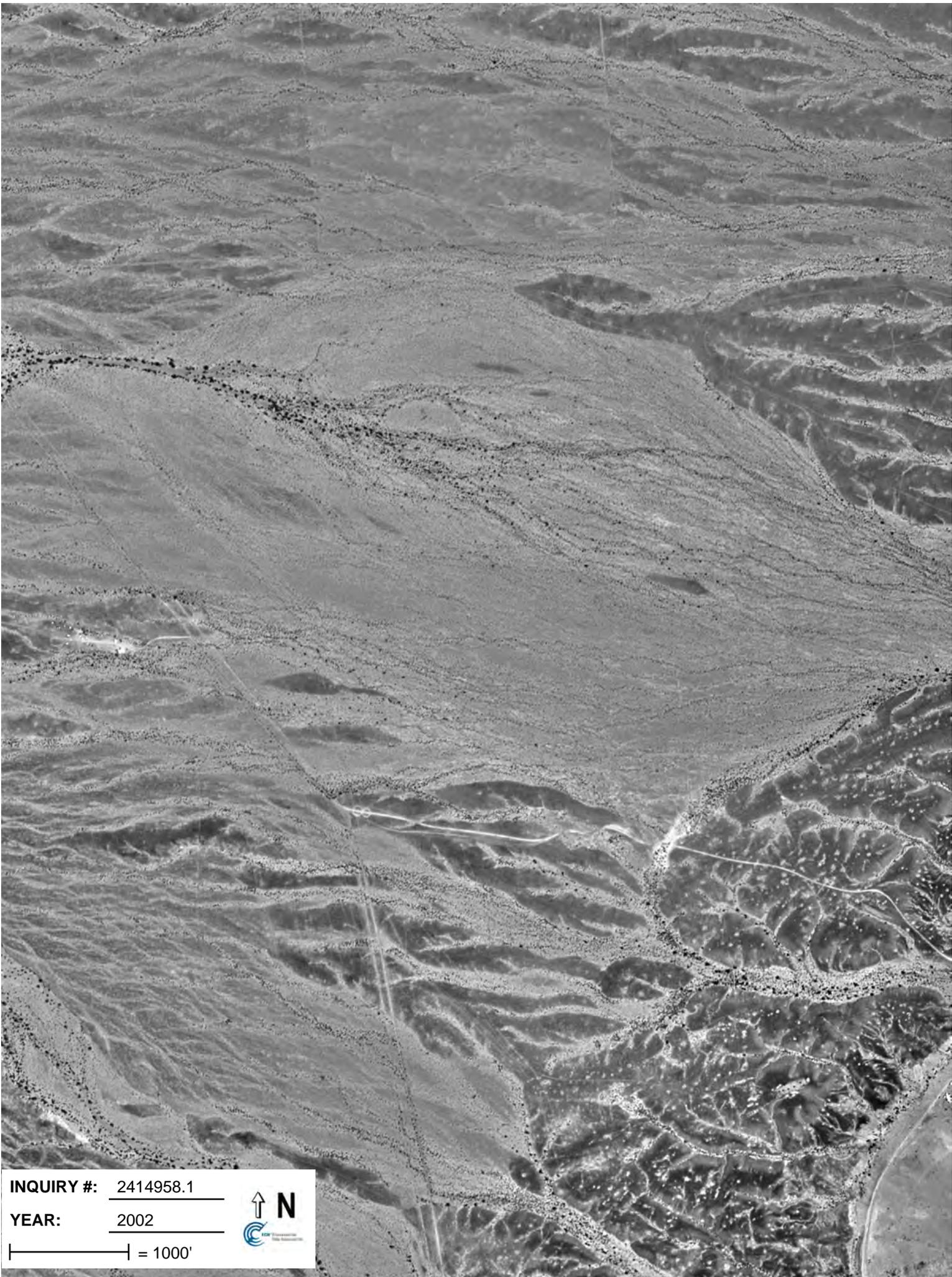


INQUIRY #: 2414958.1

YEAR: 2002

| = 1000'



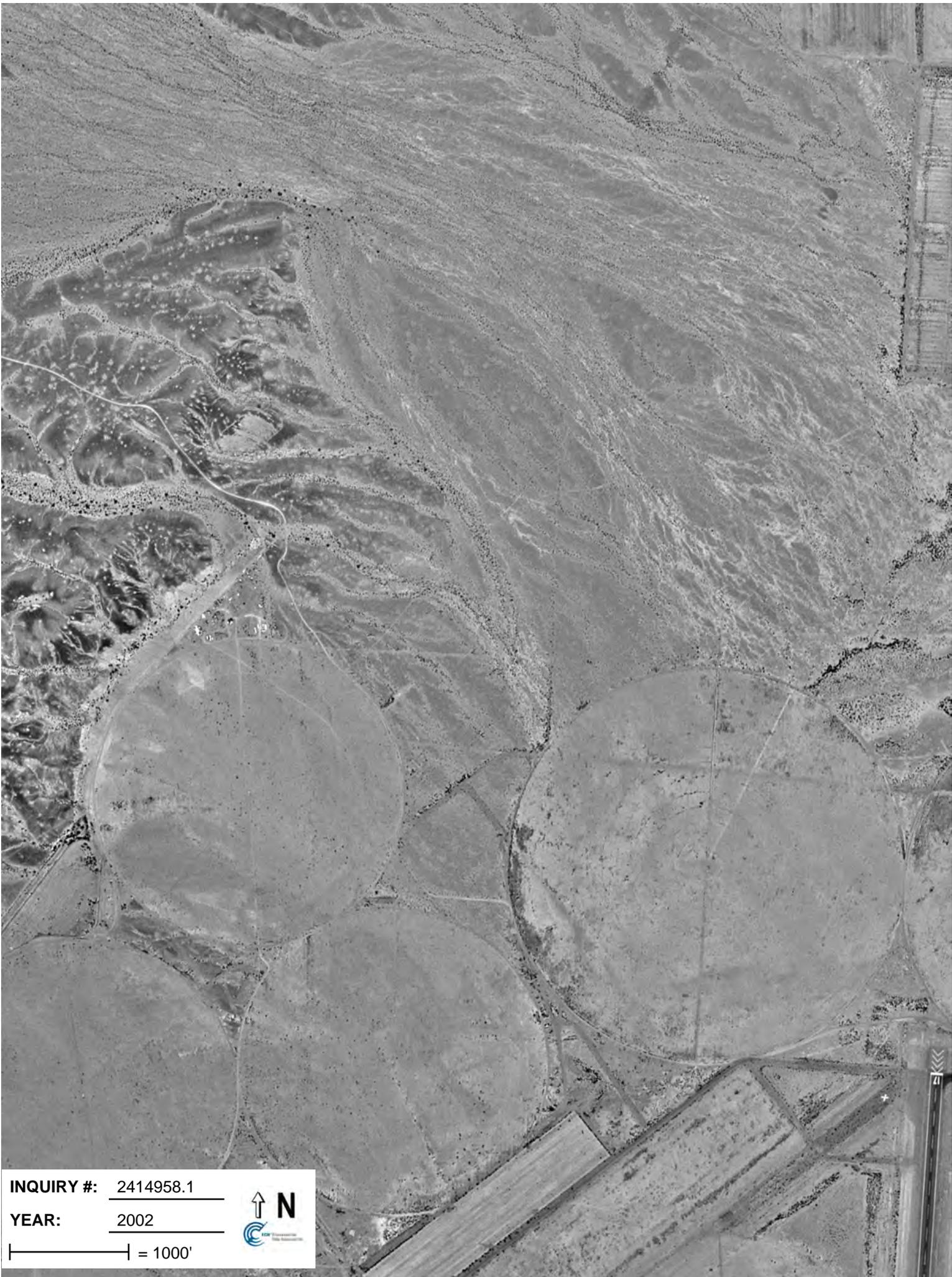


INQUIRY #: 2414958.1

YEAR: 2002

| = 1000'





INQUIRY #: 2414958.1

YEAR: 2002

| = 1000'



05-29-0



INQUIRY #: 2414958.1

YEAR: 2002

| = 1000'





INQUIRY #: 2414958.1

YEAR: 2002

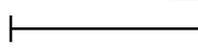
| = 1000'



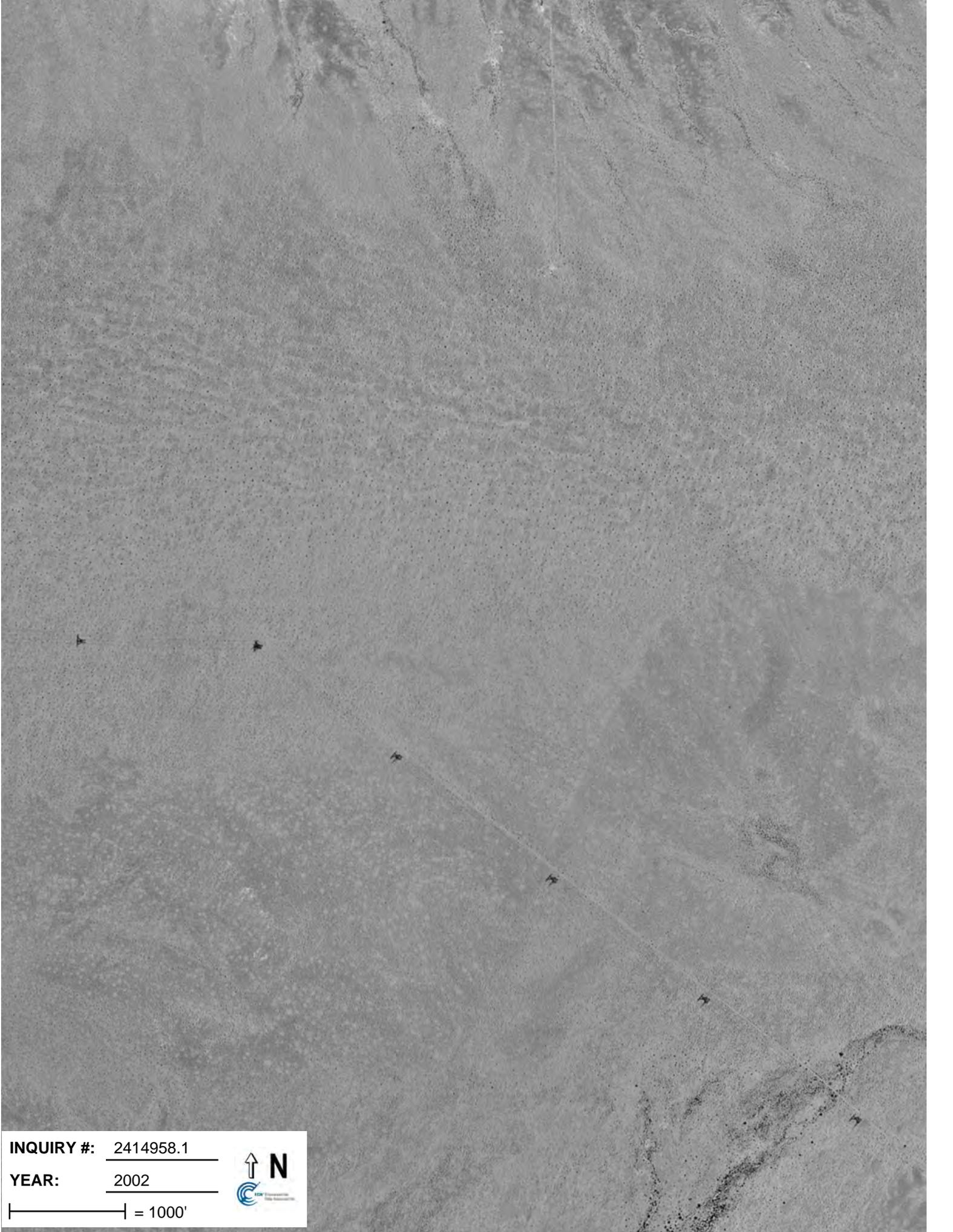


INQUIRY #: 2414958.1

YEAR: 2002

 = 1000'





INQUIRY #: 2414958.1

YEAR: 2002

| = 1000'





Blythe

Blythe

Blythe, CA 92225

Inquiry Number: 2414958.2

February 11, 2009

The EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

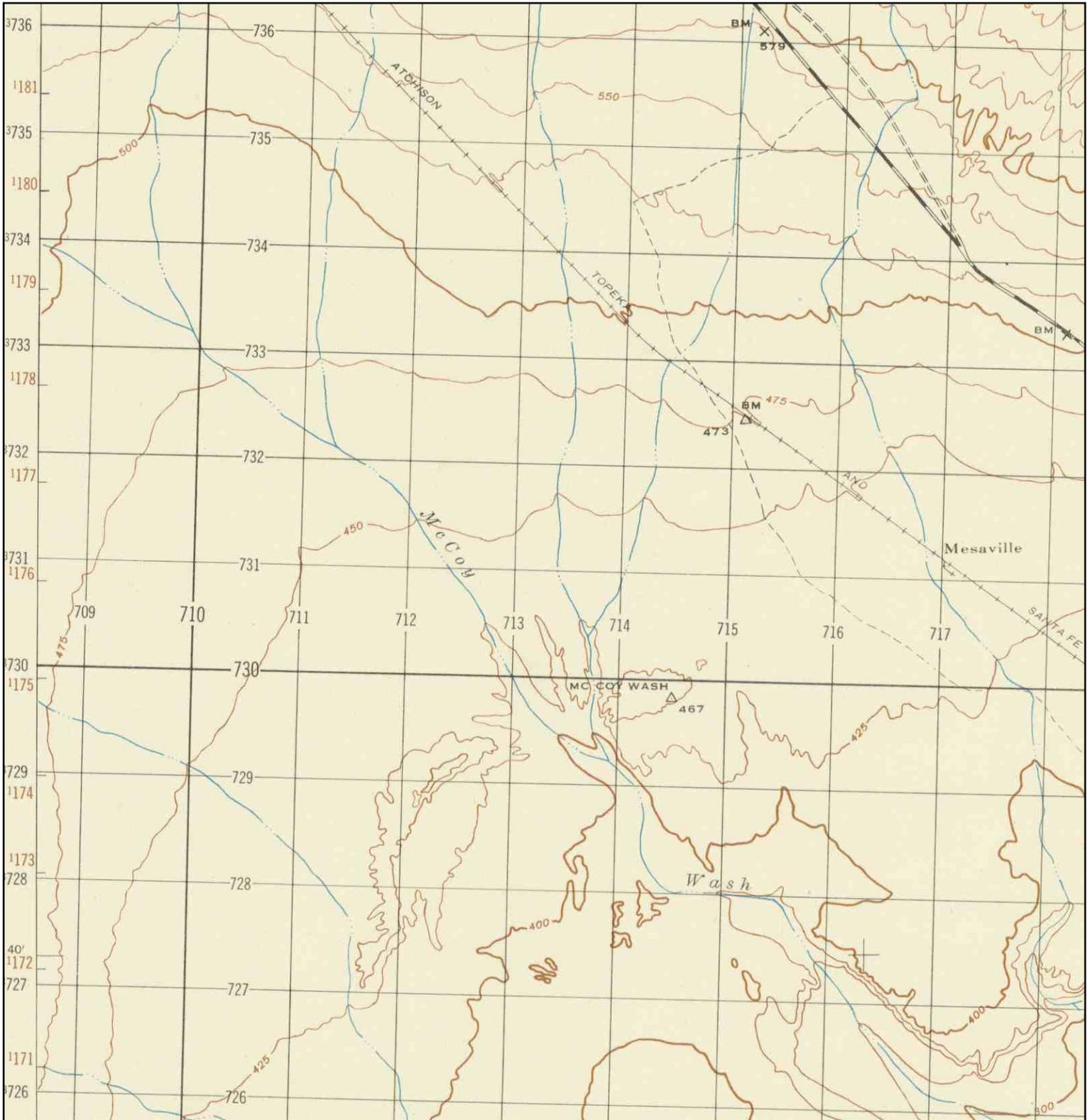
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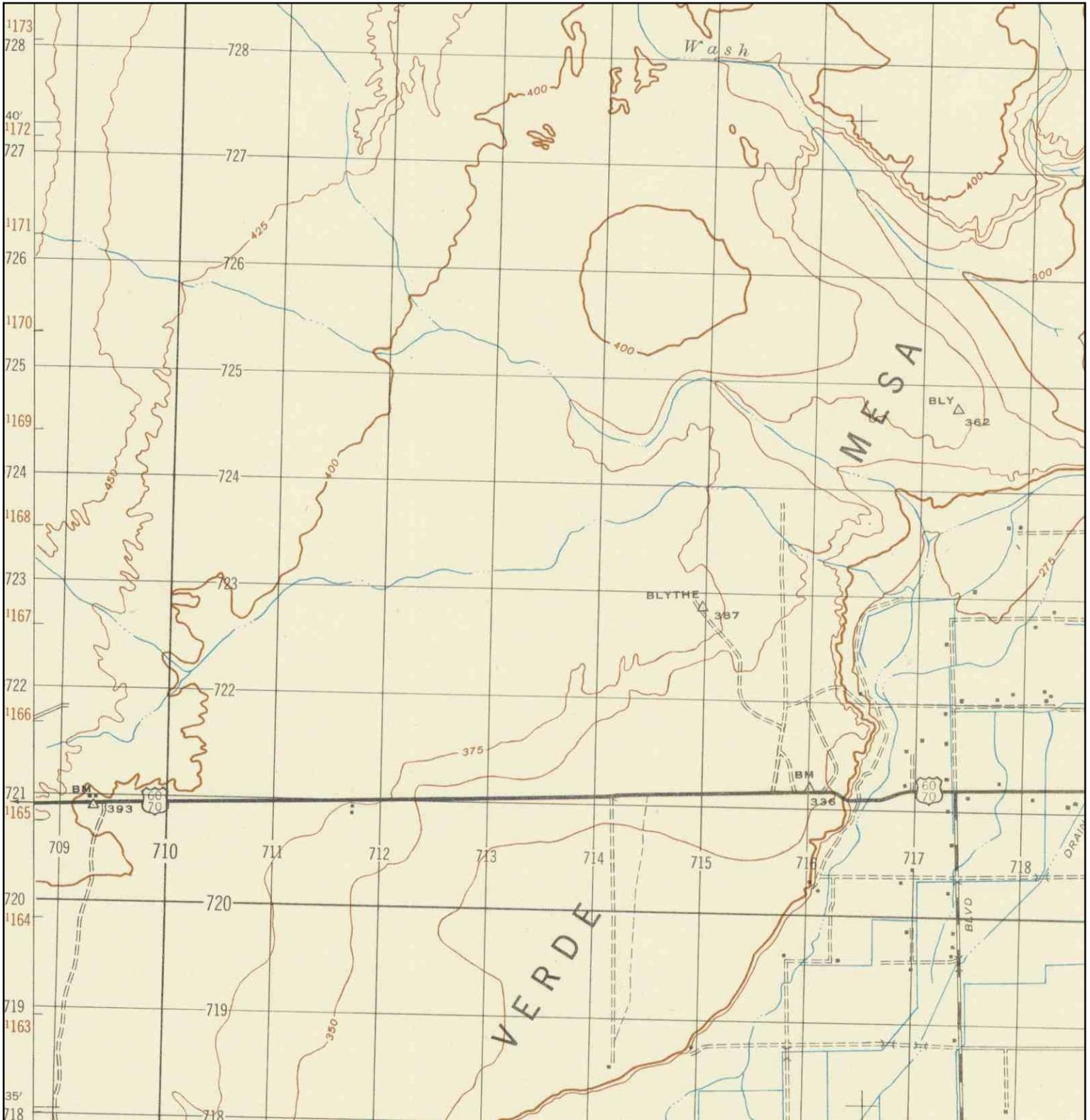
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Historical Topographic Map



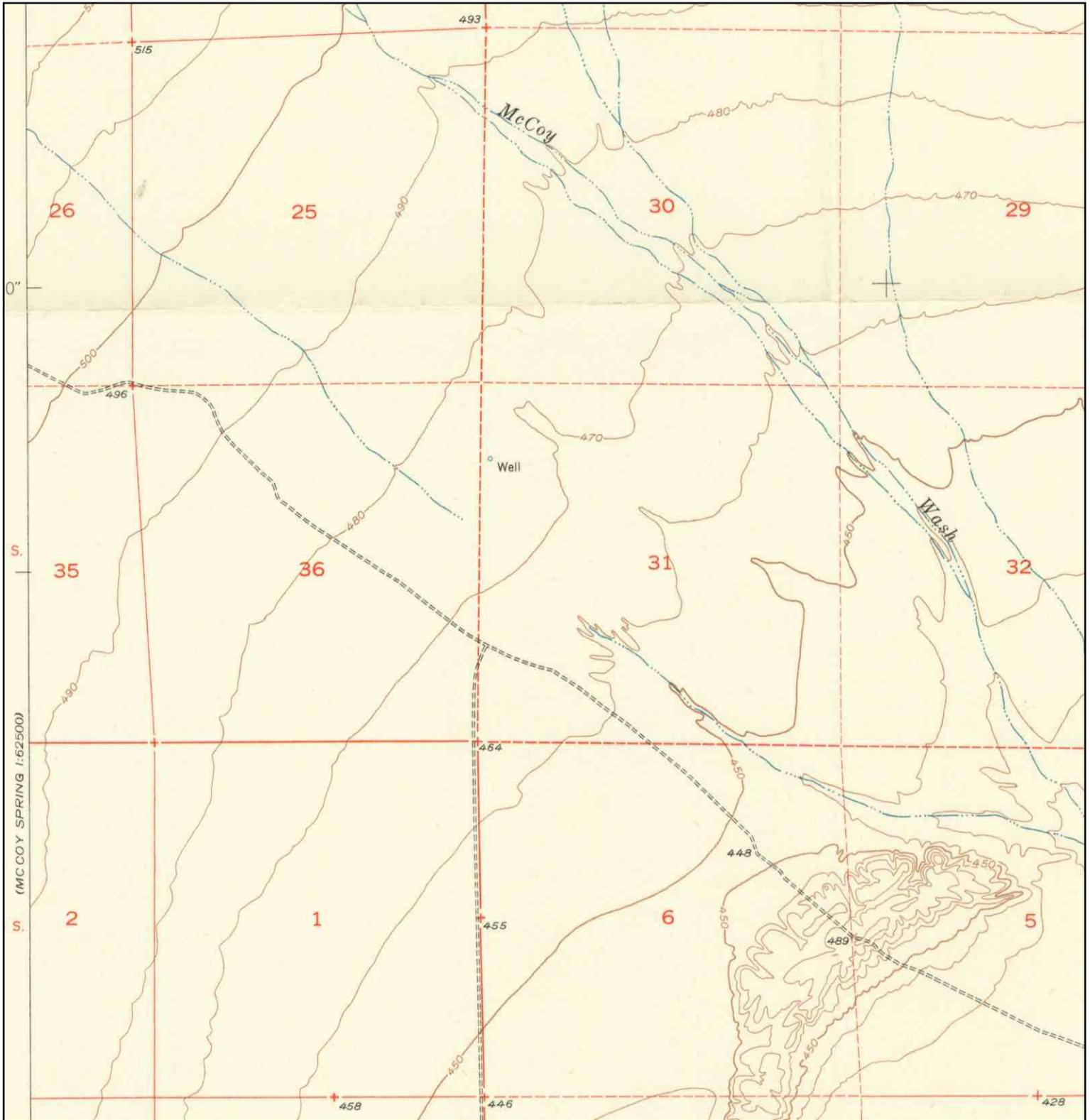
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	SERIES: 15 SCALE: 1:50000		

Historical Topographic Map



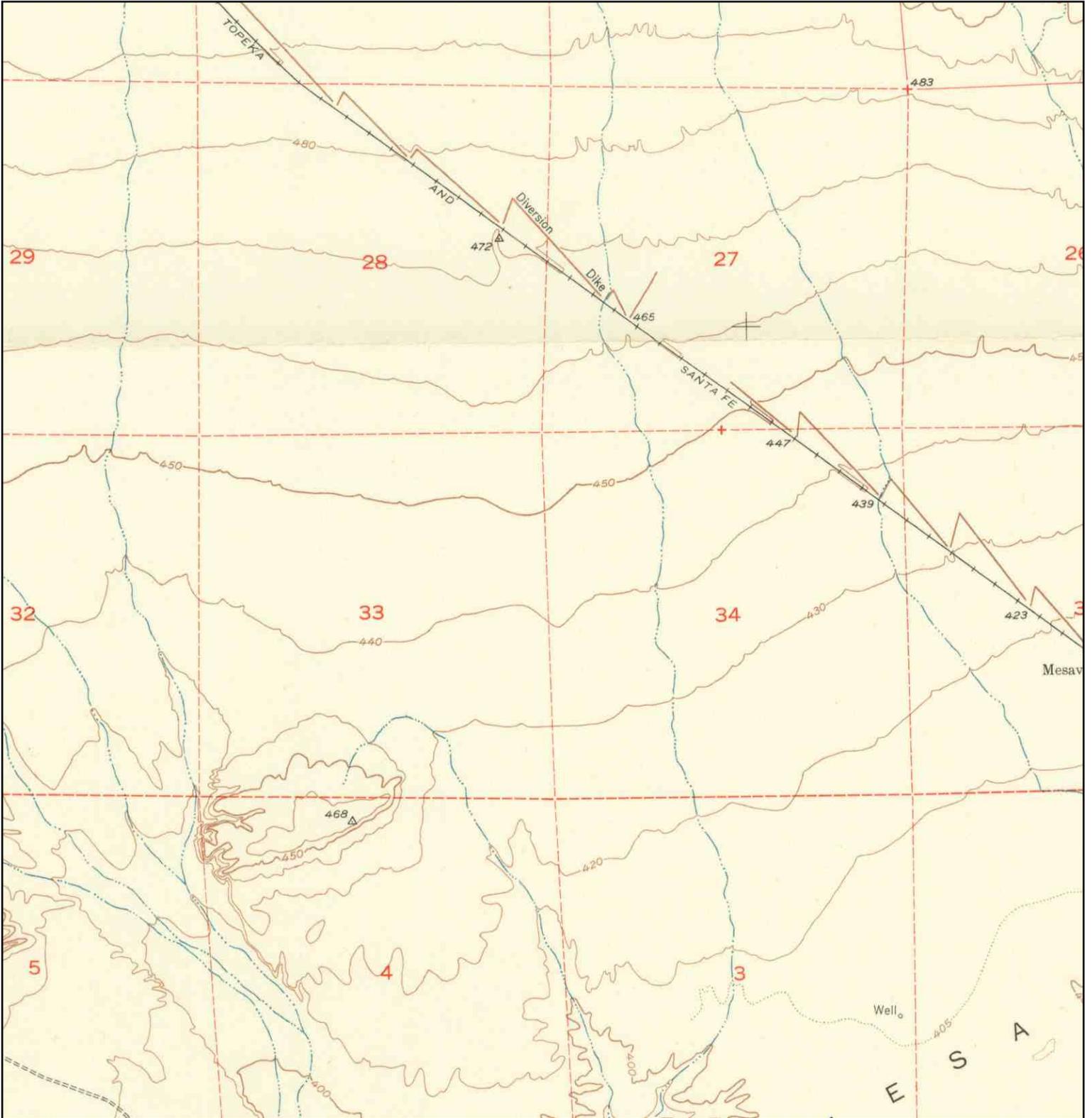
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	<p>SERIES: 15 SCALE: 1:50000</p>		

Historical Topographic Map



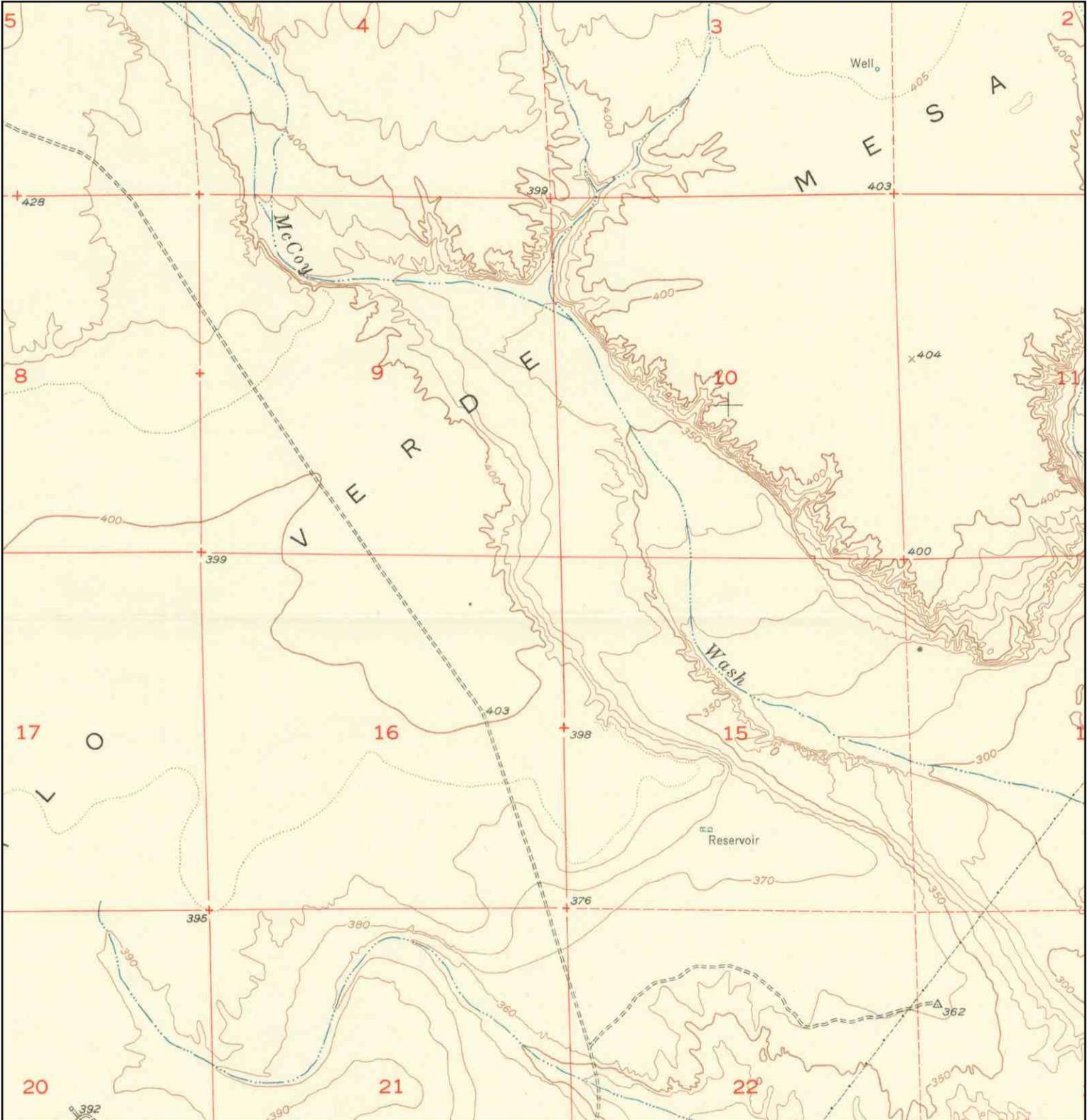
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	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



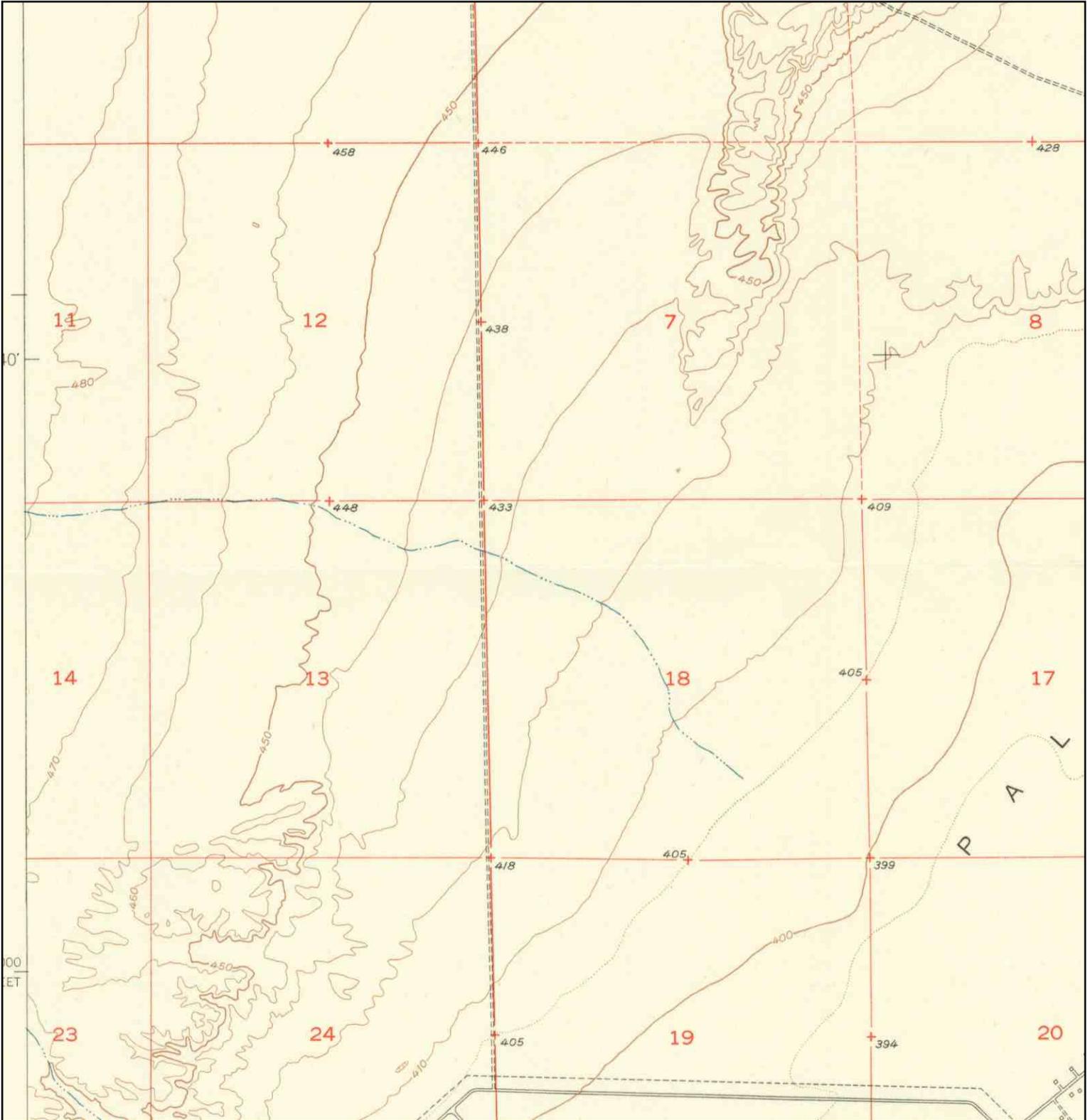
	TARGET QUAD	SITE NAME:	Blythe	CLIENT:	ENSR Consulting & Engineering
	NAME: MCCOY WASH	ADDRESS:	Blythe Blythe, CA 92225	CONTACT:	Stefanie Smith
	MAP YEAR: 1951	LAT/LONG:	/	INQUIRY#:	2414958.2
	SERIES: 7.5			RESEARCH DATE:	02/11/2009
	SCALE: 1:24000				

Historical Topographic Map



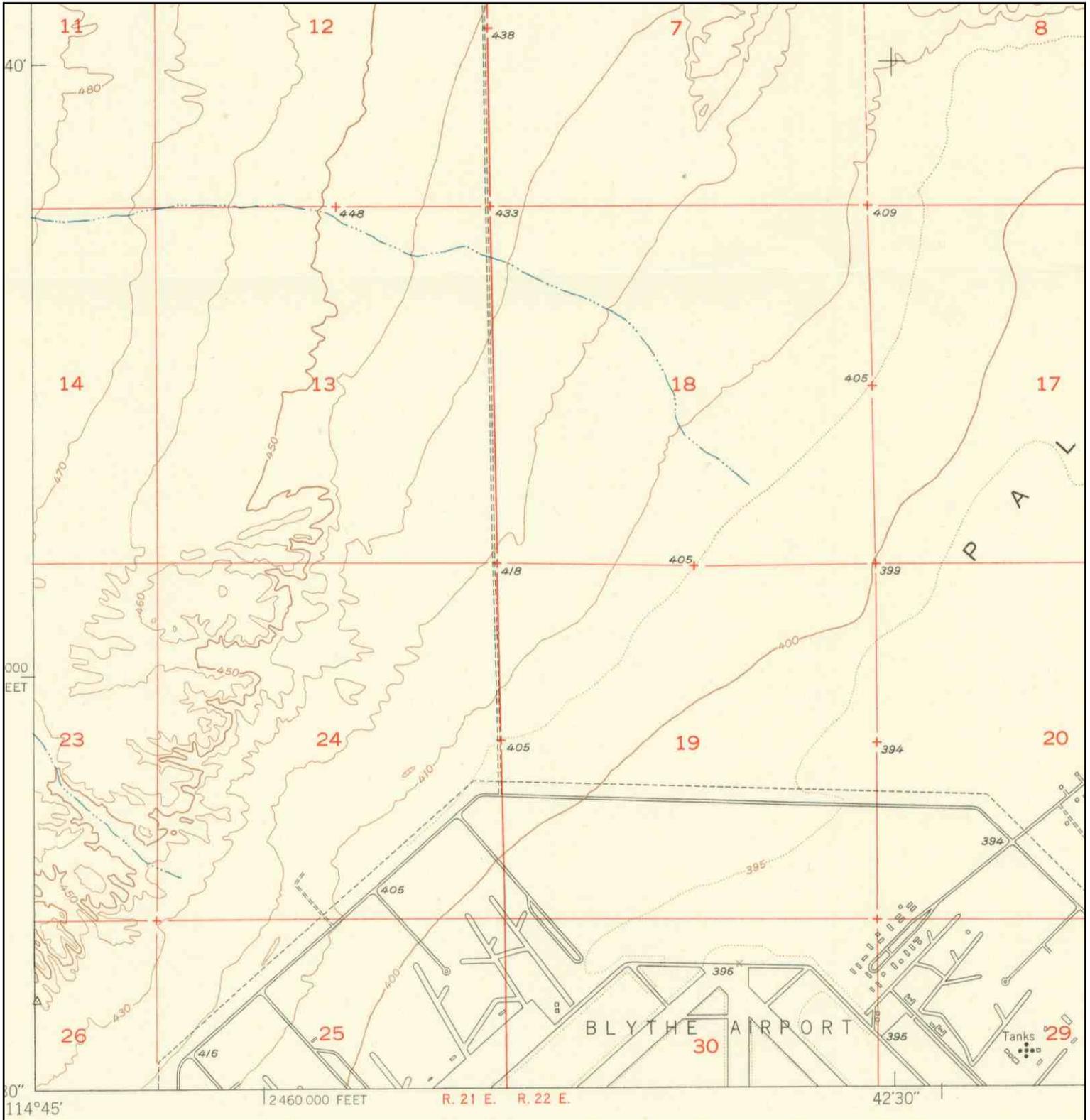
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	SERIES: 7.5 SCALE: 1:24000		

Historical Topographic Map



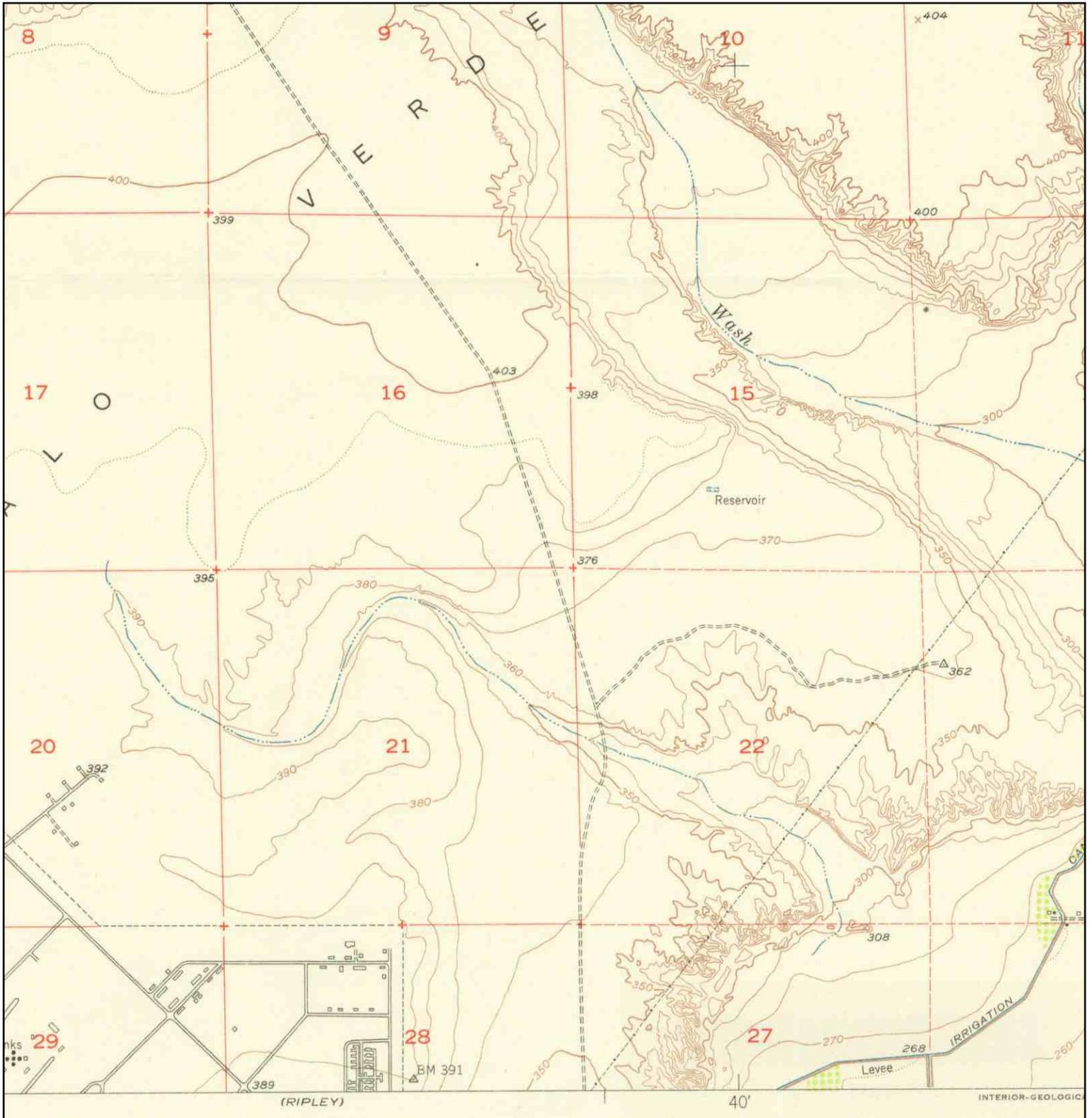
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Historical Topographic Map



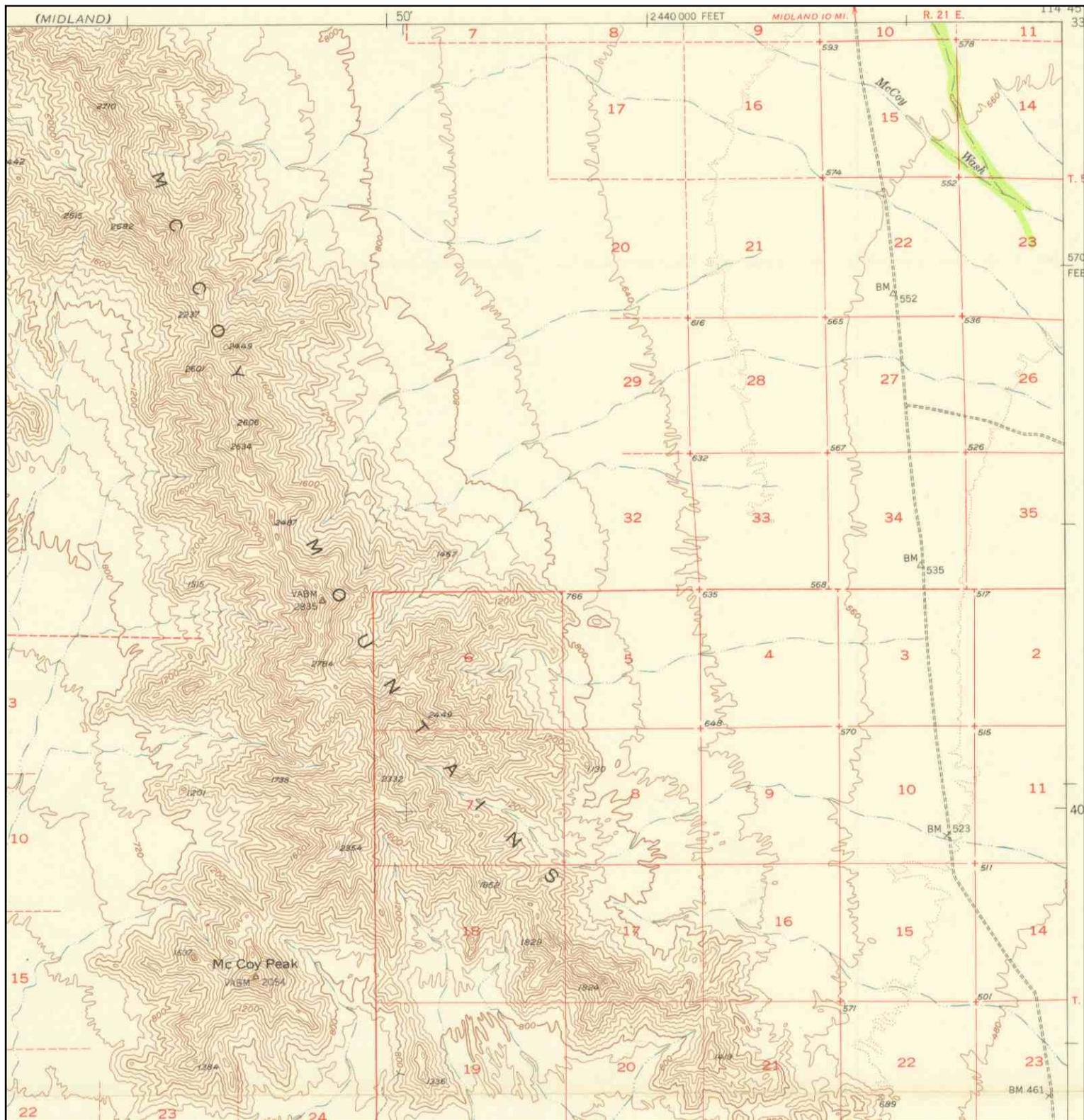
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Historical Topographic Map



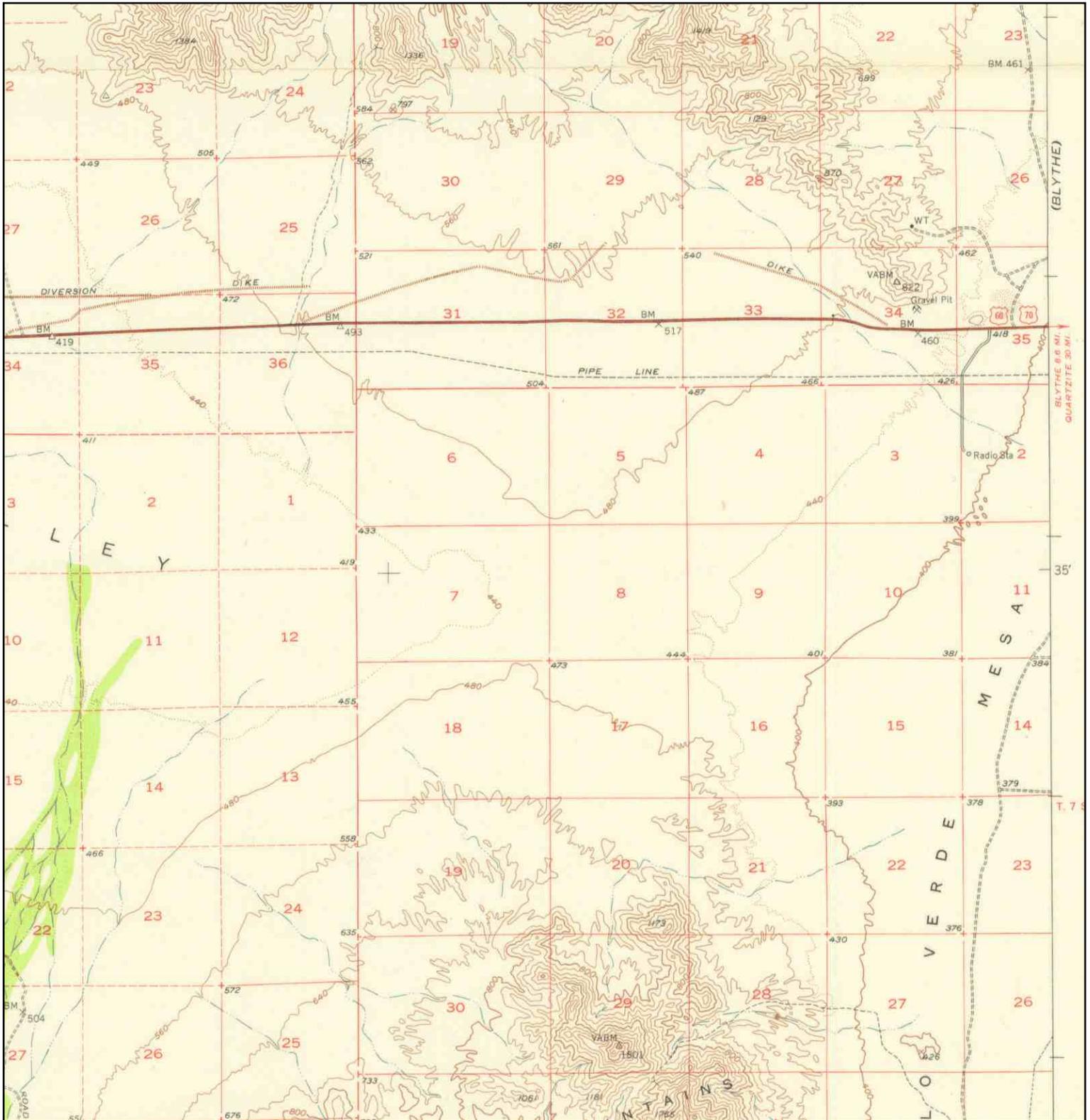
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Historical Topographic Map



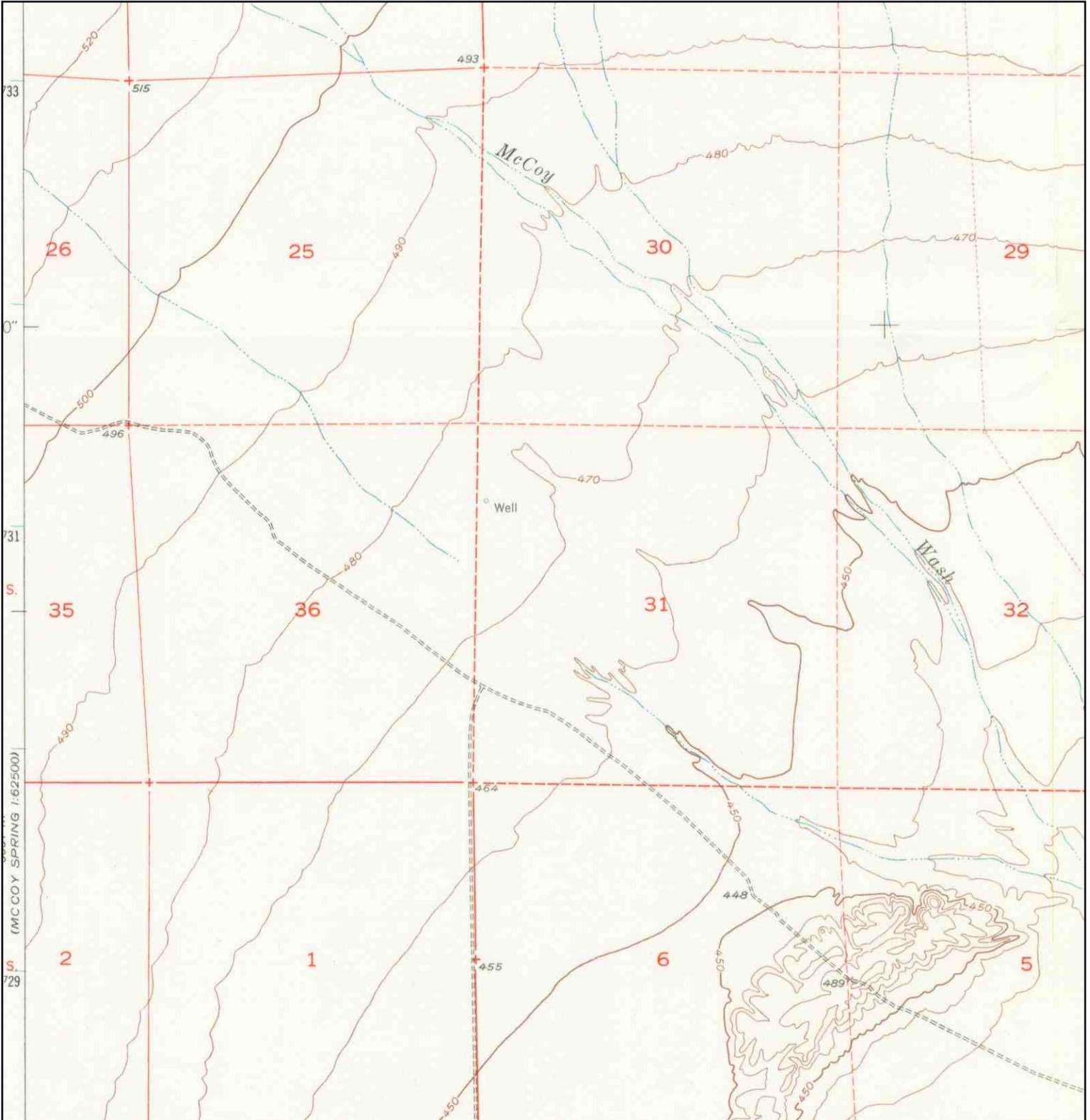
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	SERIES: 15 SCALE: 1:62500		

Historical Topographic Map



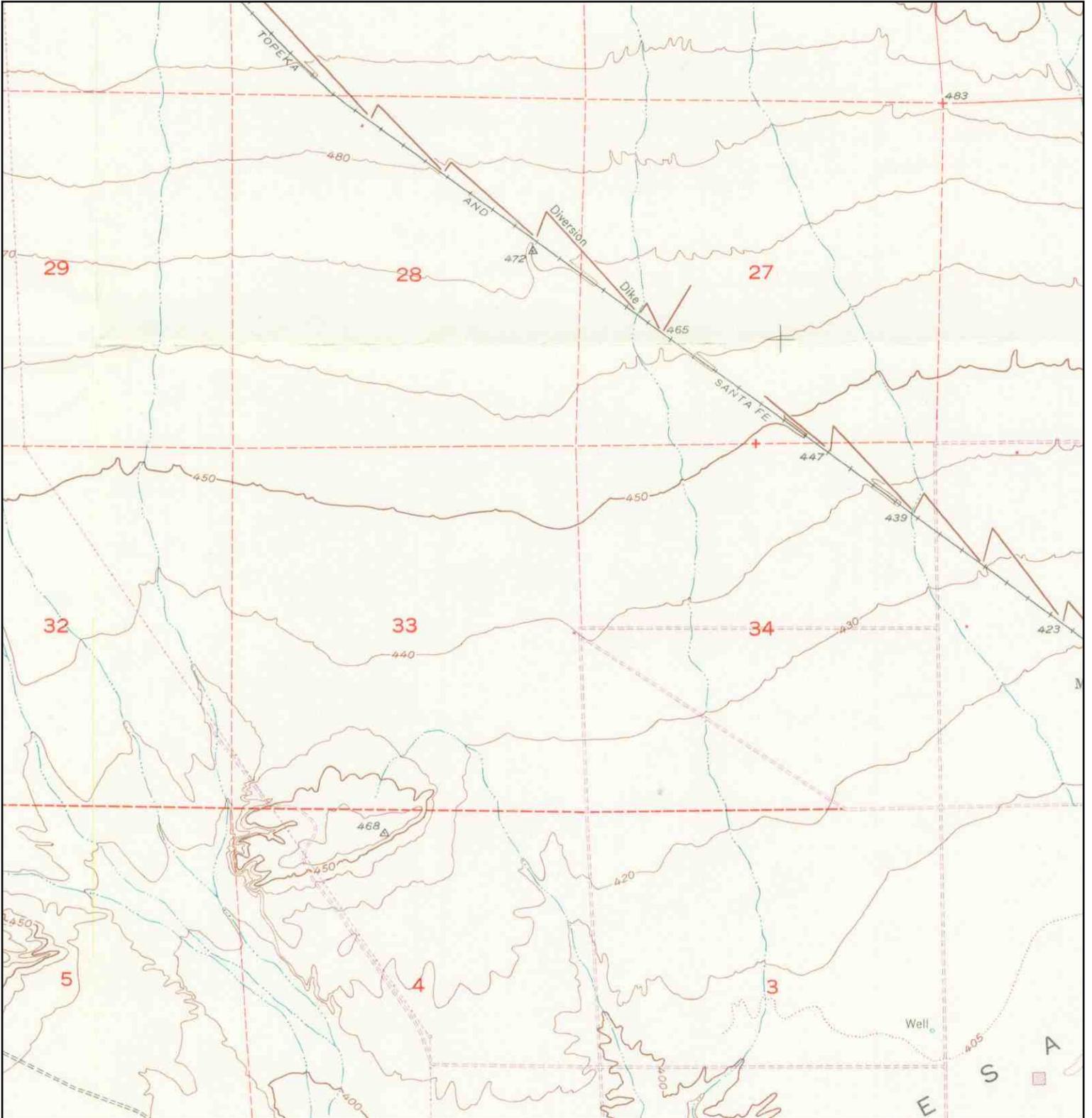
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Historical Topographic Map



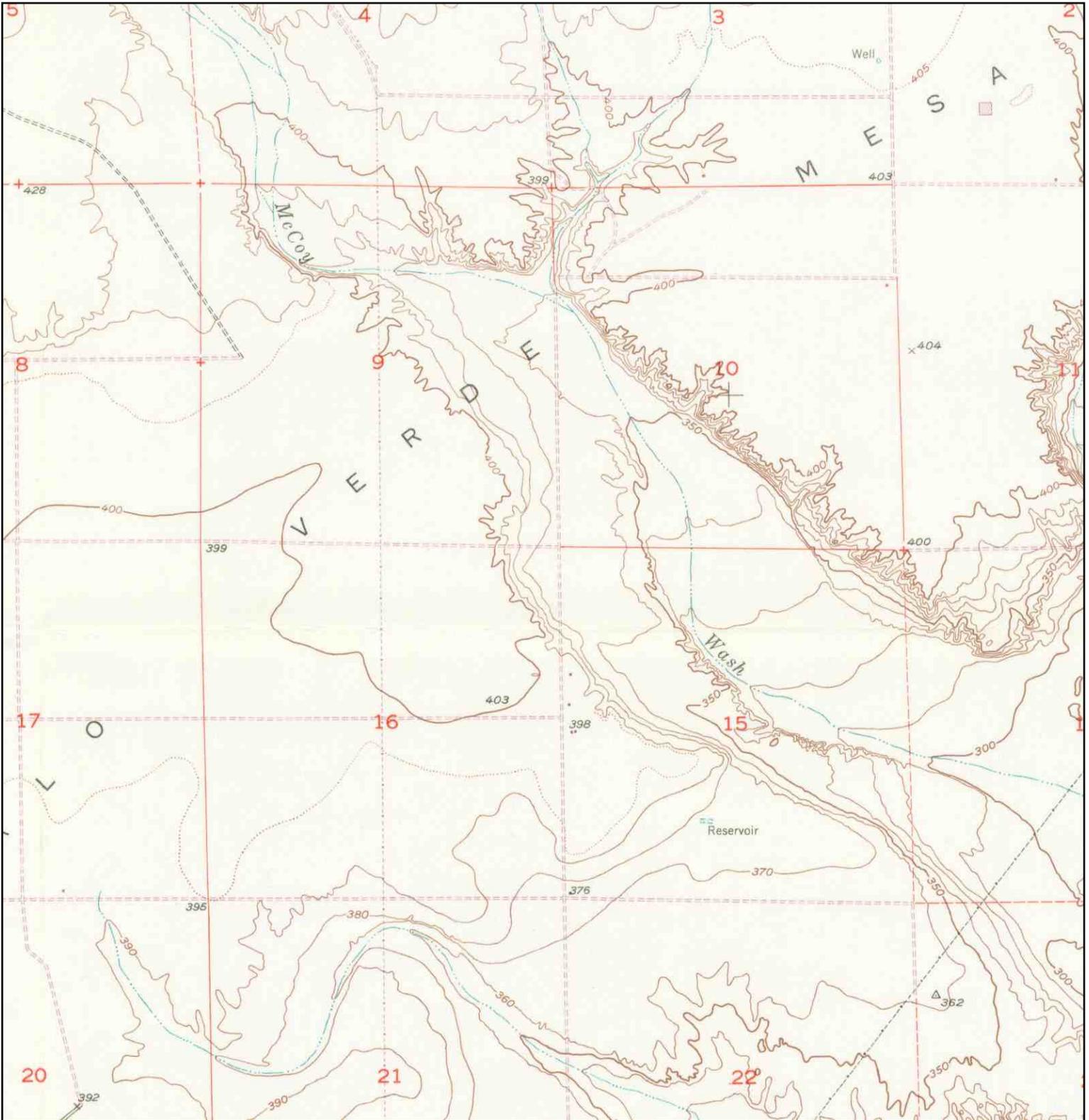
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	NAME: MCCOY WASH	ADDRESS:	Blythe	CONTACT:	Stefanie Smith
	MAP YEAR: 1970		Blythe, CA 92225	INQUIRY#:	2414958.2
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	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



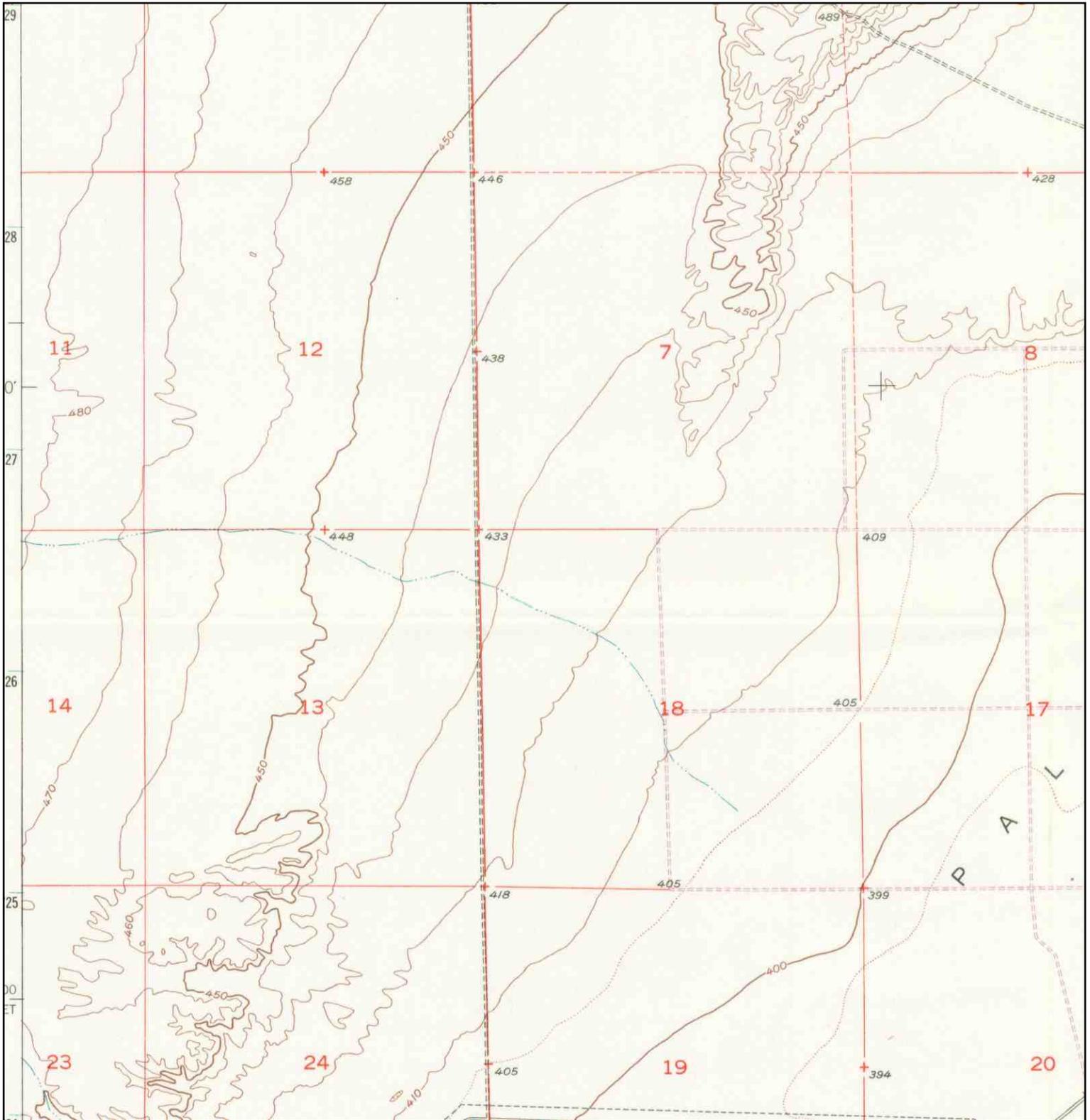
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	NAME: MCCOY WASH	ADDRESS: Blythe	CONTACT: Stefanie Smith
	MAP YEAR: 1970	Blythe, CA 92225	INQUIRY#: 2414958.2
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	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



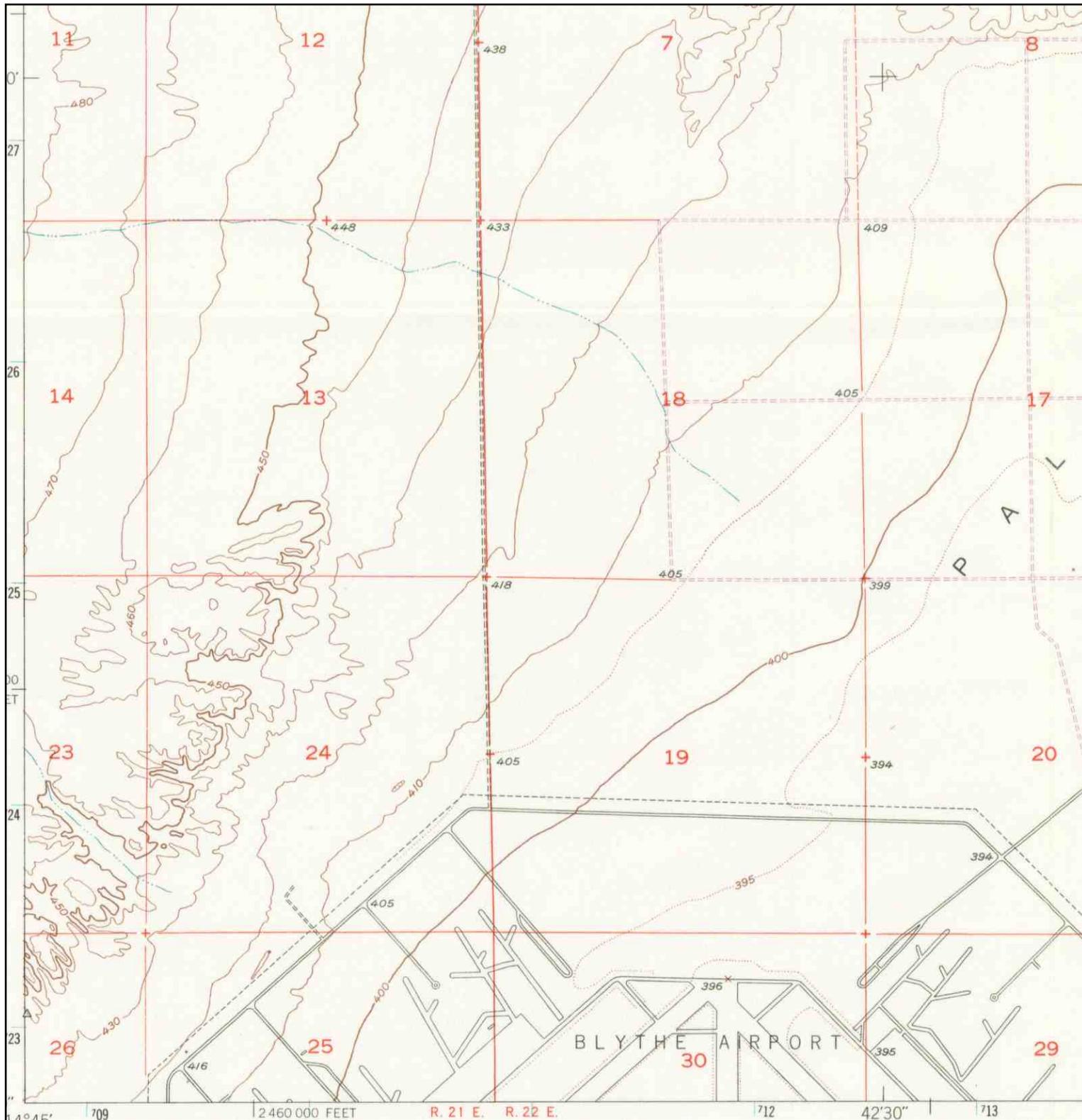
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	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



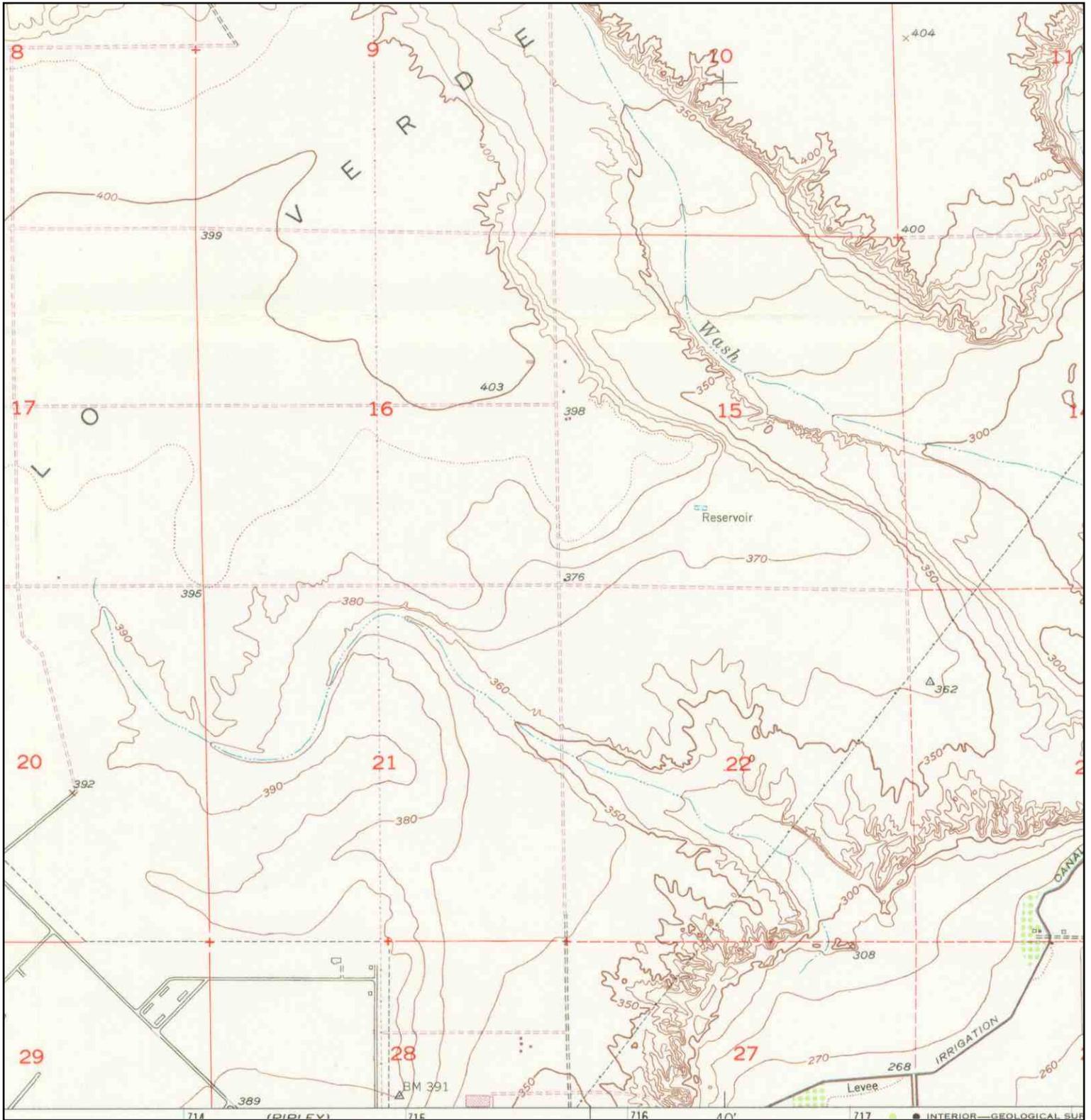
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	PHOTOREVISED FROM: 1951	LAT/LONG:	/	RESEARCH DATE:	02/11/2009
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	Blythe	CLIENT:	ENSR Consulting & Engineering
	NAME: MCCOY WASH	ADDRESS:	Blythe	CONTACT:	Stefanie Smith
	MAP YEAR: 1970		Blythe, CA 92225	INQUIRY#:	2414958.2
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Historical Topographic Map



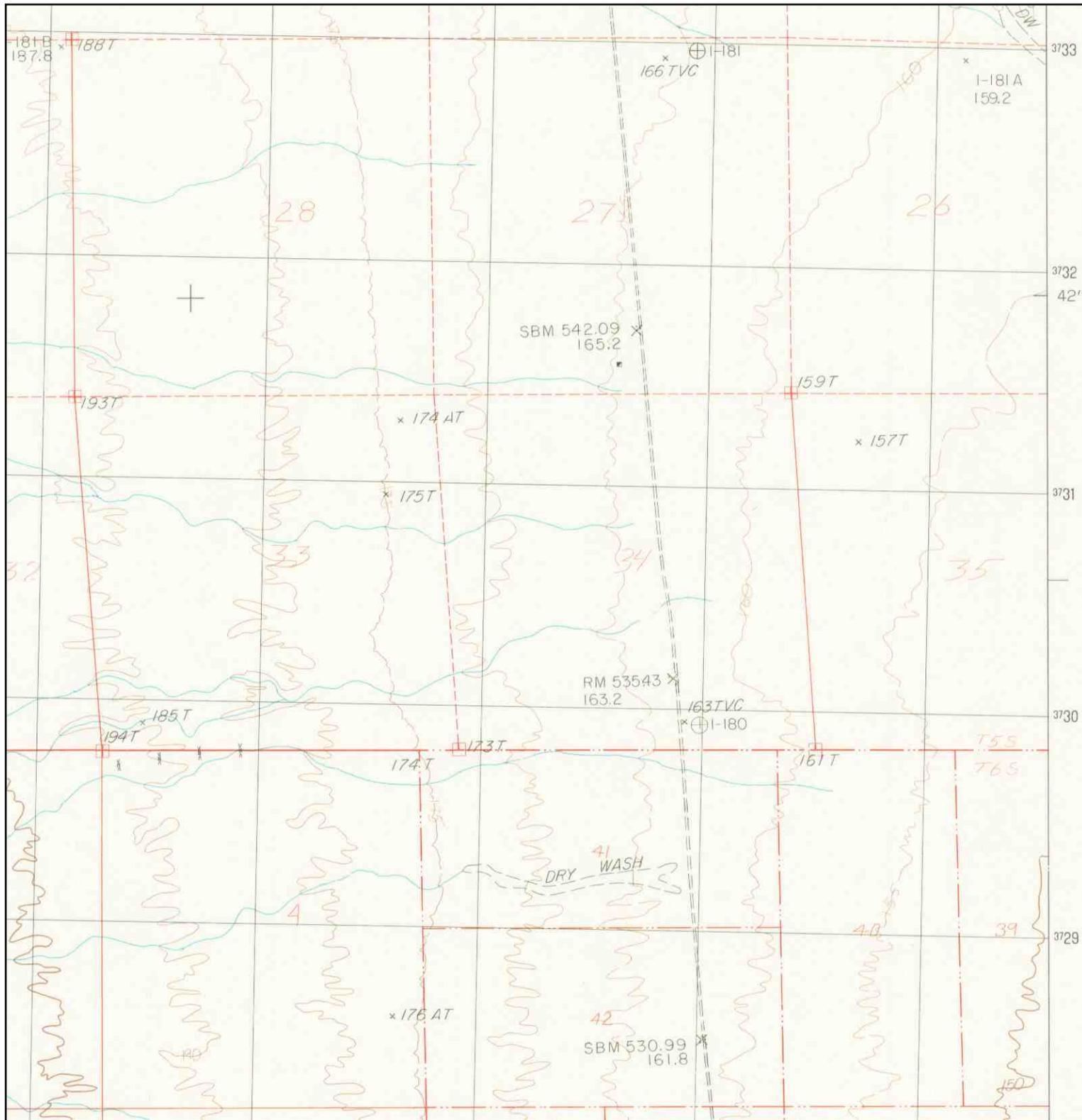
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	NAME: MCCOY WASH	ADDRESS:	Blythe	CONTACT:	Stefanie Smith
	MAP YEAR: 1970		Blythe, CA 92225	INQUIRY#:	2414958.2
	PHOTOREVISED FROM: 1951	LAT/LONG:	/	RESEARCH DATE:	02/11/2009
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



 <p>N</p>	TARGET QUAD	SITE NAME:	Blythe	CLIENT:	ENSR Consulting & Engineering
	NAME: MCCOY PEAK	ADDRESS:	Blythe	CONTACT:	Stefanie Smith
	MAP YEAR: 1983		Blythe, CA 92225	INQUIRY#:	2414958.2
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Historical Topographic Map



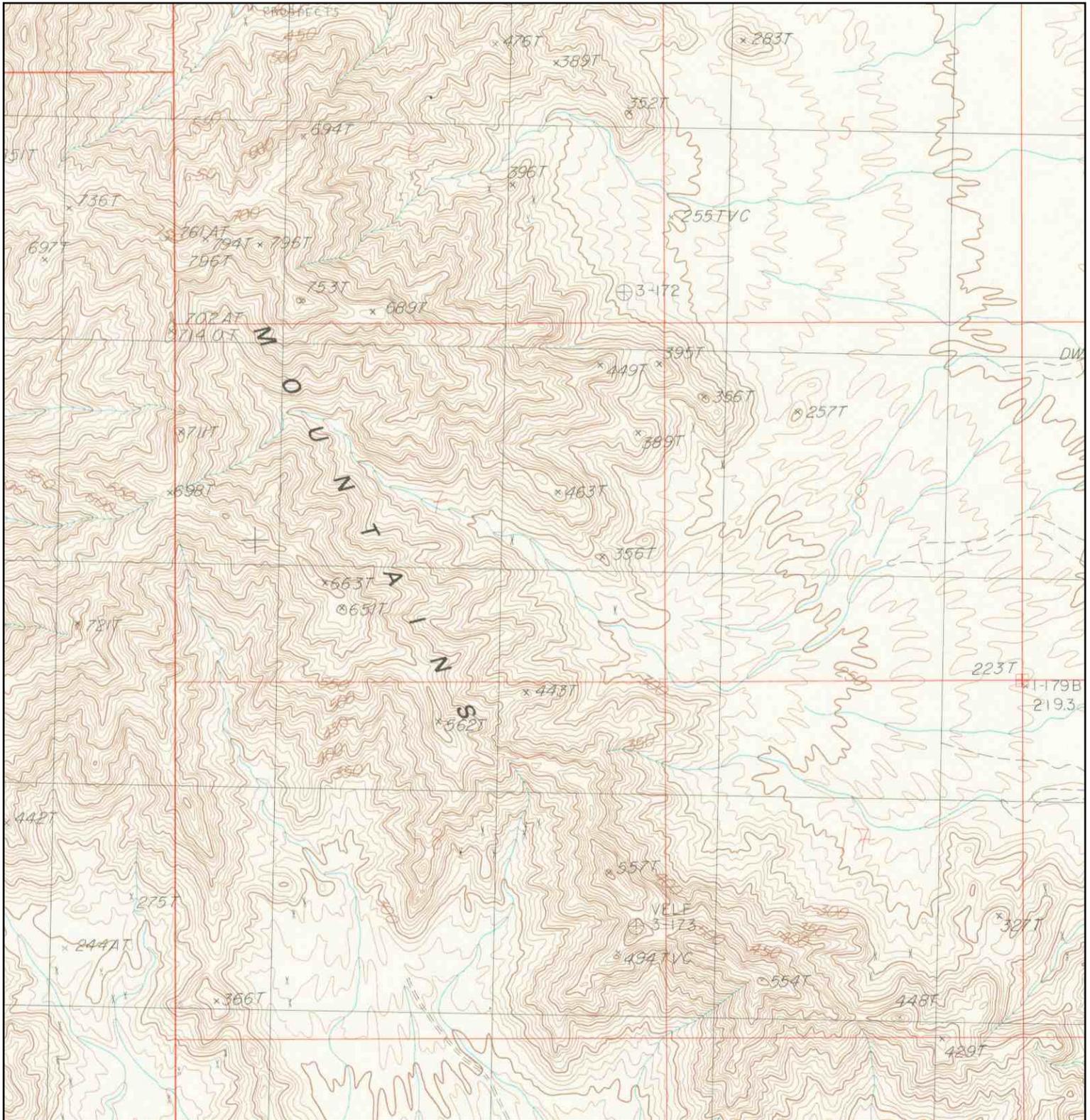
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	SCALE: 1:24000				

Historical Topographic Map



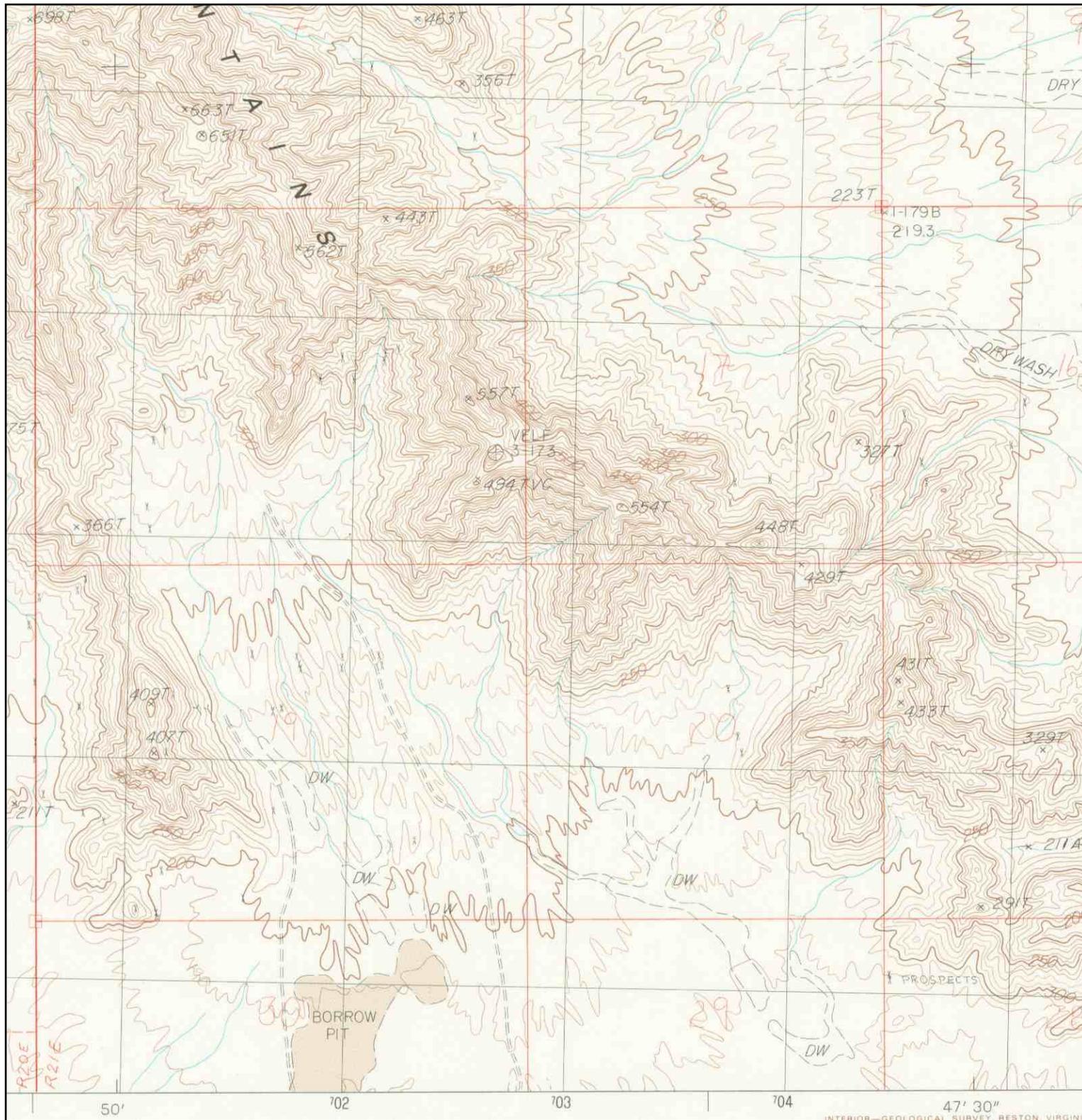
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	MAP YEAR: 1983	Blythe, CA 92225	INQUIRY#: 2414958.2
	PROVISIONAL	LAT/LONG: /	RESEARCH DATE: 02/11/2009
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



	TARGET QUAD	SITE NAME:	Blythe	CLIENT:	ENSR Consulting & Engineering
	NAME: MCCOY PEAK	ADDRESS:	Blythe	CONTACT:	Stefanie Smith
	MAP YEAR: 1983		Blythe, CA 92225	INQUIRY#:	2414958.2
	PROVISIONAL	LAT/LONG:	/	RESEARCH DATE:	02/11/2009
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Historical Topographic Map



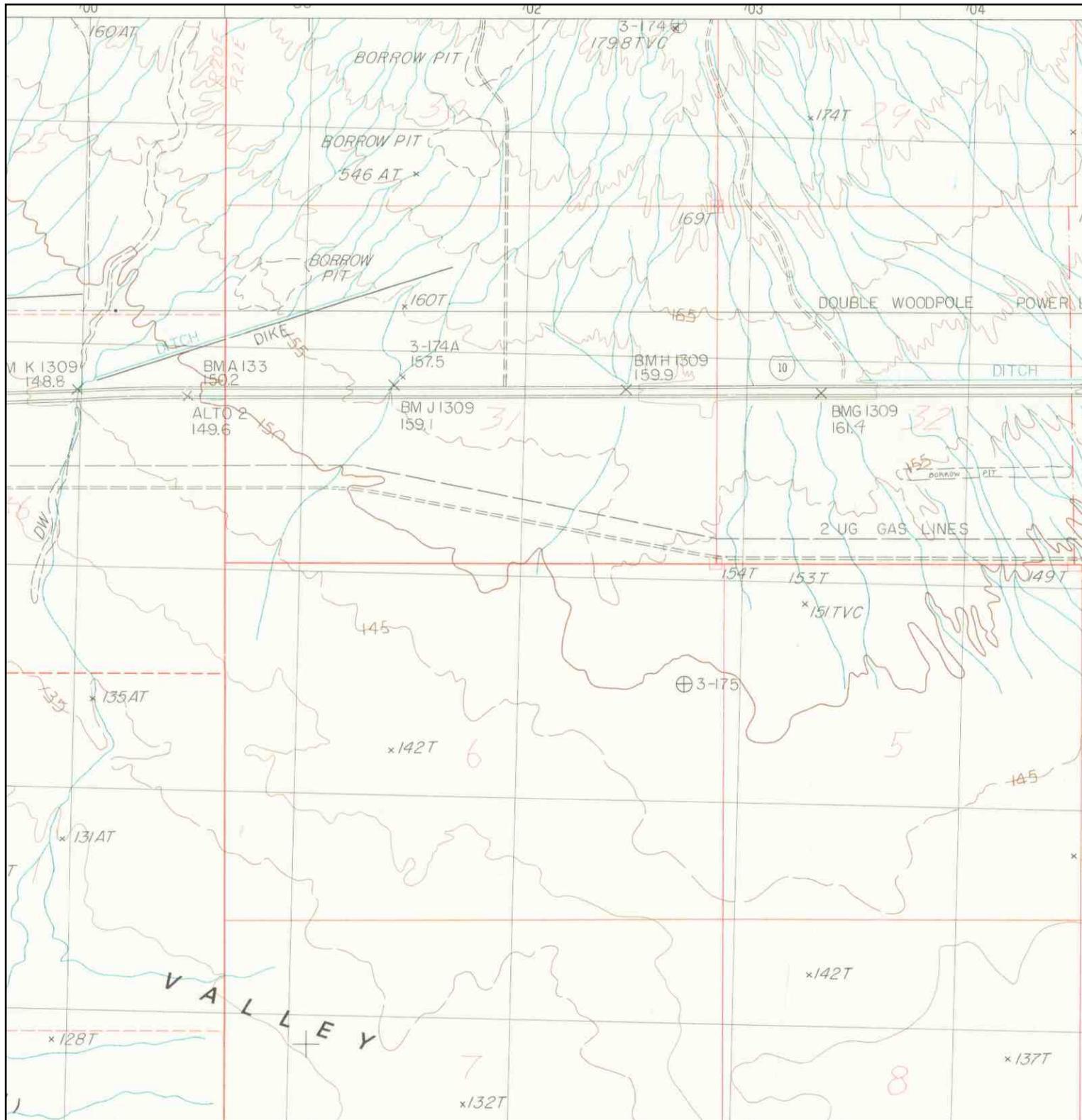
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	NAME: MCCOY PEAK	ADDRESS:	Blythe	CONTACT:	Stefanie Smith
	MAP YEAR: 1983		Blythe, CA 92225	INQUIRY#:	2414958.2
	PROVISIONAL	LAT/LONG:	/	RESEARCH DATE:	02/11/2009
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	Blythe	CLIENT:	ENSR Consulting & Engineering
	NAME: MCCOY PEAK	ADDRESS:	Blythe	CONTACT:	Stefanie Smith
	MAP YEAR: 1983		Blythe, CA 92225	INQUIRY#:	2414958.2
	PROVISIONAL	LAT/LONG:	/	RESEARCH DATE:	02/11/2009
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



	TARGET QUAD	SITE NAME:	Blythe	CLIENT:	ENSR Consulting & Engineering
	NAME: ROOSEVELT MINE	ADDRESS:	Blythe	CONTACT:	Stefanie Smith
	MAP YEAR: 1983		Blythe, CA 92225	INQUIRY#:	2414958.2
	PROVISIONAL	LAT/LONG:	/	RESEARCH DATE:	02/11/2009
	SERIES: 7.5				
	SCALE: 1:24000				

Attachment C
Database Report



Blythe

Blythe, CA 92225

Inquiry Number: 02414958.3r

February 10, 2009



EDR DataMap™ Area Study

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with any questions or comments.

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EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

BLYTHE, CA 92225
BLYTHE, CA 92225

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL LIENS	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
LIENS 2	CERCLA Lien Information
CORRACTS	Corrective Action Report
RCRA-TSDF	RCRA - Transporters, Storage and Disposal
RCRA-LQG	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
RCRA-NonGen	RCRA - Non Generators
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
DOT OPS	Incident and Accident Data
US CDL	Clandestine Drug Labs
US BROWNFIELDS	A Listing of Brownfields Sites
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
LUCIS	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems

EXECUTIVE SUMMARY

ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing

STATE AND LOCAL RECORDS

HIST Cal-Sites.....	Historical Calsites Database
CA BOND EXP. PLAN.....	Bond Expenditure Plan
SCH.....	School Property Evaluation Program
Toxic Pits.....	Toxic Pits Cleanup Act Sites
SWF/LF.....	Solid Waste Information System
WMUDS/SWAT.....	Waste Management Unit Database
CA WDS.....	Waste Discharge System
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
SWRCY.....	Recycler Database
LUST.....	Geotracker's Leaking Underground Fuel Tank Report
CA FID UST.....	Facility Inventory Database
SLIC.....	Statewide SLIC Cases
UST.....	Active UST Facilities
HIST UST.....	Hazardous Substance Storage Container Database
LIENS.....	Environmental Liens Listing
SWEEPS UST.....	SWEEPS UST Listing
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
AST.....	Aboveground Petroleum Storage Tank Facilities
Notify 65.....	Proposition 65 Records
DEED.....	Deed Restriction Listing
VCP.....	Voluntary Cleanup Program Properties
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
CDL.....	Clandestine Drug Labs
RESPONSE.....	State Response Sites
HAZNET.....	Facility and Manifest Data
EMI.....	Emissions Inventory Data
ENVIROSTOR.....	EnviroStor Database
HAULERS.....	Registered Waste Tire Haulers Listing

TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land
INDIAN VCP.....	Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

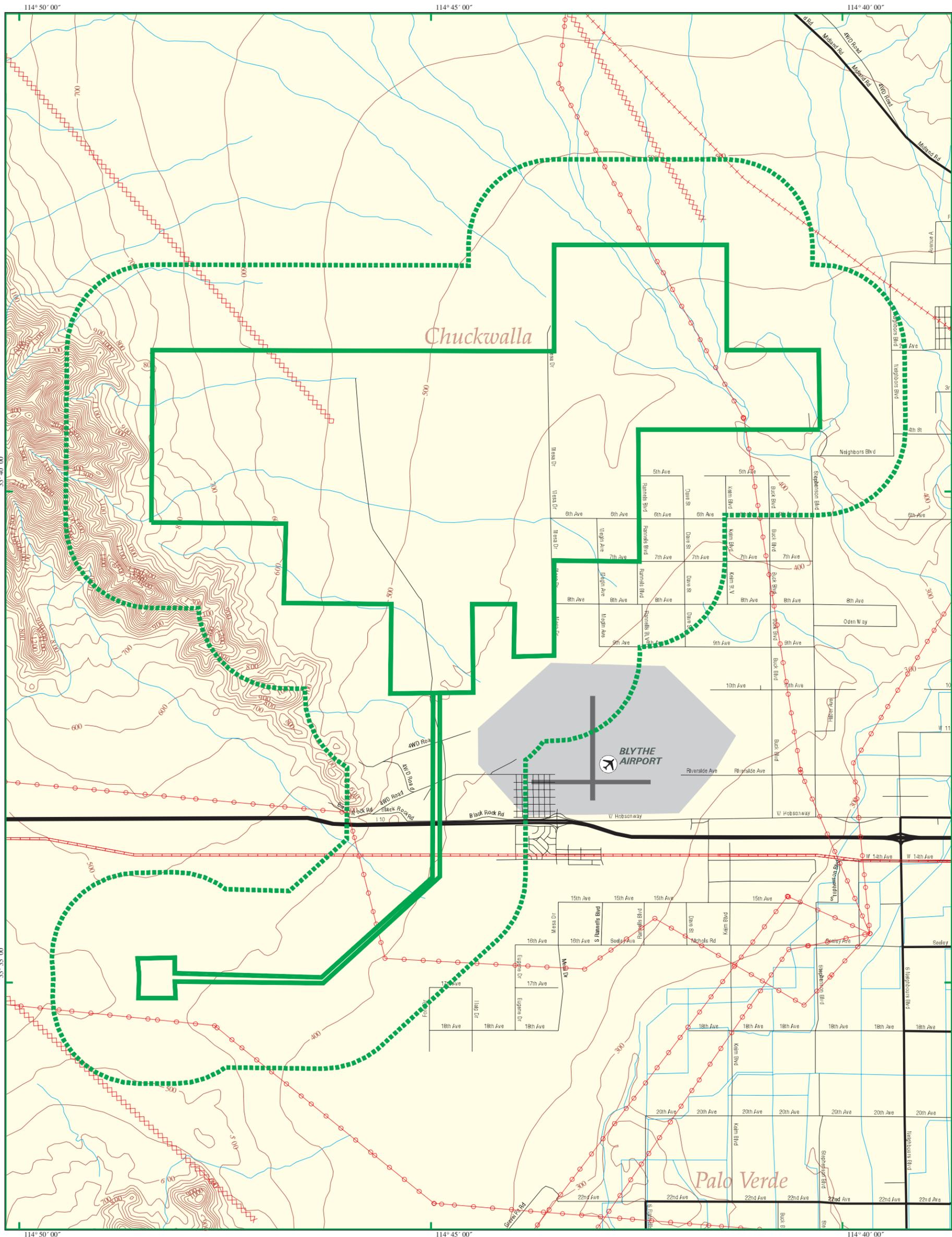
SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.



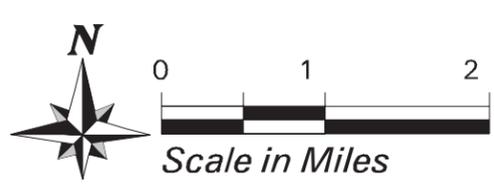
EDR DataMap® - Area Study

Blythe



Blythe, CA

- | | | | |
|--|---------------|-------------|-------------------------|
| Listed Sites | Major Roads | Pipelines | Superfund Sites |
| Earthquake Epicenters (Richter 5 or greater) | Waterways | Powerlines | Federal DOD Sites |
| Search Boundary | Railroads | Fault Lines | Indian Reservations BIA |
| Roads | Contour Lines | Water | |



MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL RECORDS</u>	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL LIENS	0
CERCLIS	0
CERC-NFRAP	0
LIENS 2	0
CORRACTS	0
RCRA-TSDF	0
RCRA-LQG	0
RCRA-SQG	0
RCRA-CESQG	0
RCRA-NonGen	0
US ENG CONTROLS	0
US INST CONTROL	0
ERNS	0
HMIRS	0
DOT OPS	0
US CDL	0
US BROWNFIELDS	0
DOD	0
FUDS	0
LUCIS	0
CONSENT	0
ROD	0
UMTRA	0
DEBRIS REGION 9	0
ODI	0
MINES	0
TRIS	0
TSCA	0
FTTS	0
HIST FTTS	0
SSTS	0
ICIS	0
PADS	0
MLTS	0
RADINFO	0
FINDS	0
RAATS	0
SCRD DRYCLEANERS	0
<u>STATE AND LOCAL RECORDS</u>	
HIST Cal-Sites	0
CA BOND EXP. PLAN	0
SCH	0
Toxic Pits	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
SWF/LF	0
WMUDS/SWAT	0
CA WDS	0
Cortese	0
SWRCY	0
LUST	0
CA FID UST	0
SLIC	0
UST	0
HIST UST	0
LIENS	0
SWEEPS UST	0
CHMIRS	0
LDS	0
MCS	0
AST	0
Notify 65	0
DEED	0
VCP	0
DRYCLEANERS	0
WIP	0
CDL	0
RESPONSE	0
HAZNET	0
EMI	0
ENVIROSTOR	0
HAULERS	0
<u>TRIBAL RECORDS</u>	
INDIAN RESERV	0
INDIAN ODI	0
INDIAN LUST	0
INDIAN UST	0
INDIAN VCP	0
<u>EDR PROPRIETARY RECORDS</u>	
Manufactured Gas Plants	0

NOTES:

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

NO SITES FOUND

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BLYTHE	U001573609	BLYTHE GOLF COURSE	RR 1 BOX 38A	92225	HIST UST
BLYTHE	S105022791	SO CAL EDISON - BLYTHE SE	505 14TH	92225	Cortese
BLYTHE	S101590339	J M DEFOREST INC	12300 HIGHWAY 60 W	92225	CA FID UST, SWEEPS UST
BLYTHE	U001573643	J. M. DE FOREST INC.	12300 HWY 60 W.	92225	HIST UST
BLYTHE	U001573653	MOBIL OIL	9021 HWY 60	92225	HIST UST
BLYTHE	1009393172	LOST LAKE RESORT	42500 HWY 95	92225	INDIAN UST
BLYTHE	1011843698	LOST LAKE RESORT	42500 HWY 95	92225	INDIAN LUST
BLYTHE	92291086	HIGHWAY 95, 31 MI N OF BLYTHE	HIGHWAY 95, 31 MI N OF BLYTHE	92225	ERNS
BLYTHE	1006837164	BLYTHE AIRPORT DUMPSITE	ADJACENT TO EAST SIDE OF RUNWA	92225	FINDS
BLYTHE	92270764	AHA QUIN-20 MILES N OF BLYTHE	AHA QUIN-20 MILES N OF BLYTHE	92225	ERNS
BLYTHE	92258291	APPROX 5 MI NE OF BLYTHE IN COLORADO RIVER BACKWATER KNOWN A	APPROX 5 MI NE OF BLYTHE IN COLORADO RIVER BACKWATER KNOWN A		ERNS
BLYTHE	U001573612	BLYTHE RCAG	BLYTHE AFSFO	92225	HIST UST
BLYTHE	S103320645	BLYTHE AIRPORT DUMP	BLYTHE AIRPORT	92225	CHMIRS, WMUDS/SWAT
BLYTHE	A100107777	BLYTHE M.S. (DISTRICT 11)	BROADWAY AND WELLS		AST
BLYTHE	S105418542	CALTRANS BLYTHE MAINTENANCE	BROADWAY / WELLS&NBSP;		LUST
BLYTHE	1009393129	WATER WHEEL RESORT	CHR 20 - 20900, HWY 95	92225	INDIAN UST
BLYTHE	1009394143	WATER WHEEL RESORT	CHR 20 - 20900, HWY 95	92225	INDIAN LUST
BLYTHE	S109287074	BLYTHE CITY DISPOSAL SITE	CORNER OF INTAKE BLVD-14TH AVE	92225	LDS
BLYTHE	1006829073	BLYTHE CITY	CORNER 14TH & INTAKE OF SLOUGH	92225	FINDS
BLYTHE	1009393171	TWIN PALMS RESORT	HCR 20, BOX 160018 1/2 MILE N. CA HWY 95	92225	INDIAN UST
BLYTHE	S101590287	S & R OIL COMPANY-BULK PLANT	9265 E HIGHWAY 60	92225	CA FID UST, SWEEPS UST
BLYTHE	U001573655	PALO VERDE EQUIPMENT CO	11390 WEST HIGHWAY 60	92225	HIST UST
BLYTHE	U001573662	S&R OIL COMPANY-BULK PLANT	9265 E. HIGHWAY 60	92225	HIST UST
BLYTHE	S108757005	UNION BAND OF BLYTHE	100 HOBSON WY	92225	HAZNET
BLYTHE	S104567573	SOUTHERN CAL EDISON - USBR BLYTHE SUB	HOBSON WAY 1/2 MI W OF NEIGHBORS BLVD	92225	HAZNET
BLYTHE	S104567111	SOUTHERN CALIFORNIA EDISON/BLYTHE WALC	HOPSON WY 1/2 MI W OF NEIGHBORS BLVD		HAZNET
BLYTHE	1009393126	AHA QUIN RESORT	HRC 20, HWY 95P.O. BOX 2400	92225	INDIAN UST
BLYTHE	S108220925	SOUTHERN CALIFORNIA EDDISON - BLYTHE WALC SUBSTATI	LONG 114.680521, LAT 33.611693	92225	HAZNET
BLYTHE	U001573648	LOST LAKE RESORT	LOST LAKE (31 MI. N. OF BLYTHE	92225	HIST UST
BLYTHE	2008445213	12555 MESA DRIVE BLYTHE CA 922	12555 MESA DRIVE BLYTHE CA 922		HMIRS
BLYTHE	2008428463	12555 MESA DRIVE BLYTHE CA 922	12555 MESA DRIVE BLYTHE CA 922		HMIRS
BLYTHE	2008428462	12555 MESA DRIVE BLYTHE CA 922	12555 MESA DRIVE BLYTHE CA 922		HMIRS
BLYTHE	U001573617	BLYTHE UNION 76 AUTO/TRUCK STO	MESA DRIVE	92225	HIST UST
BLYTHE	U001573611	BLYTHE MUNICIPAL GOLF COURSE	NORTH MESA	92225	HIST UST
BLYTHE	U001573618	BLYTHE WASTE DISPOSAL SITE DA	1000 MIDLAND ROAD	92225	HIST UST
BLYTHE	1010562148	BLYTHE SANITARY LANDFILL	1000 MIDLAND RD	92225	RCRA-SQG
BLYTHE	1003878669	RIVERSIDE CO DUMP	1000 MIDLAND RD	92225	CERC-NFRAP
BLYTHE	1005441389	SHEPWELLS CORPORATION	7 MI N OF BLYTHE	92225	RCRA-SQG, FINDS, HAZNET
BLYTHE	91222103	OLD BLYTHE AIRPORT	OLD BLYTHE AIRPORT	92225	ERNS
BLYTHE	94365525	10 MI S OF BLYTHE	10 MI S OF BLYTHE	92225	ERNS
BLYTHE	S105936745	BLYTHE S/C	505 14TH STREET	92225	EMI

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BLYTHE	1008248442	BLYTHE S/C	505 14TH STREET	92225	FINDS
BLYTHE	U001573661	S & R OIL COMPANY	7TH STREET / DONALAN	92225	HIST UST
BLYTHE	94379563	UNOCAL TRUCK STOP, 7 MI W OF BLYTHE ON I-10 AND MESA DR	UNOCAL TRUCK STOP, 7 MI W OF BLYTHE ON I-10 AND MESA DR	92225	ERNS
BLYTHE	S103662138	USDOE-WAPA BLYTHE SUBSTATION	5 MI WEST OF BLYTHE ON	92225	HAZNET
DESERT CENTER	S104816282	CALTRANS DESERT CENTER	129476 HIGHWAY 60	92239	LUST
DESERT CENTER	U001615083	DESERT CENTER	129476 US HWY 60	92239	HIST UST
DESERT CENTER	1000192462	METROPOLITAN WATER DISTRICT OF SOUTHERN	INTERSECTION OF INTERSTATE 10 AND HAYFIELD RD	92239	RCRA-SQG, FINDS
DESERT CENTER	1000111574	EAGLE MOUNTAIN PUMPING PLANT	10 MI N OF DESERT CENTER 4 S	92239	RCRA-SQG, FINDS
DESERT CENTER	1003879899	KAISER EAGLE MOUNTAIN	N OF HWY 10 8M OFF KAISER RD.	92239	CERC-NFRAP
RIPLEY	1000886229	TOHSHIN TRADING INC	34100 HWY 78 PMP	92225	RCRA-SQG, FINDS
RIPLEY	U003659530	RIPLEY SERVICE STATION	24491 NEIGHBORS BLVD	92225	UST

Attachment D
Qualifications of Environmental Professionals

Kirsten G. Bradford

Project Specialist

Years Experience: 6

Technical Specialties

- Environmental Site Assessments/Due Diligence
- Project Management
- Environmental Compliance
- Oil Spill Control and Countermeasure Planning
- Storm Water Pollution Prevention Planning and Permitting
- Hazardous Material and RCRA Contingency Planning
- Field Sampling

Professional History

- AECOM Environment
- Lee & Pierce, Inc.
- Environmental Investigation Services, Inc.
- QTL Biosystems, LLC
- New Mexico Department of Health, Scientific Laboratory Division
- New Mexico Institute of Mining and Technology Atmospheric & Environmental Chemistry Research Lab
- New Mexico Bureau of Mining & Mineral Resources, Chemistry Division

Education

- BS (Chemistry) New Mexico Institute of Mining & Technology (New Mexico Tech)

Training

- 40-hour OSHA HAZWOPER Training
- Refresher &/or Initial General Site Worker Training Requirements
- Standard First Aid
- CPR - Adult
- Bloodborne Pathogens Training
- Hydrogen Sulfide Awareness Training For Exposure In Oil & Gas Prod. Fields & Industrial Facilities
- Environmental Due Diligence
- Effective Scientific and Technical Writing
- Environmental Auditor Training
- 9th Annual California Certified Unified Program Agency (Cal-CUPA) Training
- PARCEL eLearning Course
- Loss Prevention System Training

Representative Project Experience

Compliance

Phase I Environmental Site & Limited Compliance Assessment, Orange County, California. Conducted assessment of a research and development (R&D) company that designs therapeutic health devices. On-site operations included laboratory and machine shop activities.

Limited compliance applied included Hazardous Materials Business Planning and Inventorying principles to comply with California legislation to meet the requirements of Sections 311 and 312 of the Emergency Planning and Community Right-to-Know Act (EPCRA) (SARA Title III); and wastewater discharge permitting principles to comply with local industrial waste program.

Limited Compliance Assessment and Desktop Review, Ventura County, California. Conducted a limited compliance assessment of two apartment home complexes. On-site improvements and activities were related to office buildings, hydraulic-powered elevators, pool and spa systems, maintenance shops, and storage areas.

Visual inspections of the on-site operations, reviews of facility files and records, reviews of federal and state governmental incident databases and files, and interviews with property personnel and governmental officials to evaluate the relative degree of compliance of on-site operations with key federal and state environmental regulations as they relate to hazardous waste; solid waste and asbestos-containing materials; conventional and toxic air emissions; underground and above ground storage tanks; wastewater discharges including storm water; and PCB management.

Phase I Environmental Site & Limited Compliance Assessment, Santa Barbara County, California. Conducted a Phase I ESA and compliance assessment of two corporate office buildings. On-site activities included corporate office, warehouse, and research and development operations. Specific components assessed included, hazardous materials and wastes handling, storm water, spill prevention, Emergency Planning and Community Right-to-Know (EPCRA), and health and safety programs.

Phase I Environmental Site & Compliance Assessment, Los Angeles County, California. Completed a Phase I ESA and compliance assessment of a shopping mall. Facilities assessed included representative retail businesses, food court eateries and on-site restaurants, and maintenance areas for areas including hazardous materials and waste handling, sanitary and storm water waste streams, and EPCRA reporting.

Phase I Environmental Site Assessment & Compliance Evaluation, Maricopa County, Arizona. Conducted a Phase I ESA of two industrial facilities located in Maricopa County, Arizona that clean and coat parts in support of semiconductor equipment and considered compliance with laws and permits with respect to the following issues as a minimum: Aqueous abstractions and discharges; Atmospheric emissions; Solid and hazardous waste management; Above and below ground tank management; Nuisance; Asbestos; Poly Chlorinated Biphenyls (PCBs). Information provided by the sites was further studied and correlated with existing information to determine findings and to prepare a Phase I ESA report.

Emergency Hazardous Material Spill Response***Hazardous Materials Business Response Plan, Victorville County, California.***

Assessed on-site hazardous chemical storage and operations and prepared completed agency plan forms for a dry dog food manufacturing plant. On-site hazardous materials and wastes inventoried included lubricating oils, insecticide mixture oil concentrate, diesel fuel, product ingredients containing oil, bulk storage of vegetable oil, and bulk storage of poultry fat.

Environmental Site Assessments

Phase I Environmental Site Assessment, Maricopa County, Arizona. Assessment was conducted of warehouse, repair, and maintenance facilities for heavy-duty trucks and truck parts. Historical setting included on-site fueling operations and remedial action closure activities.

Environmental Support with File Review, San Diego County, California.

Conducted site assessment and file review to establish historical on-site remedial action activities including groundwater monitoring, and current site case status with local regulatory agency. Made recommendations for activities directed toward achieving site case closure, and in complying with State of California Geotracker database requirements.

Phase I Environmental Site Assessment, Maricopa County, Arizona. Conducted assessment of a multi-story corporate office building. On-site improvements assessed included hydraulic-powered elevators, stormwater retention areas and on-site dry wells, a fuel-powered generator, storage areas, and a rooftop cooling plant. Focused assessment was conducted into observing each on-site tenant space. Assessment activities included American Society Testing Materials (ASTM) 1527 additional scope issues including visual observation for evidences of suspect asbestos-containing materials and of water intrusion and mold growth. Additionally, on-site improvements were investigated by conducting file reviews and interviews with government and regulatory agencies.

Phase I Environmental Site Assessment, Clackamas & Washington Counties, Oregon.

Conducted an assessment of warehouse distribution and office facilities. On-site retail warehousing activities included an on-site truck wash, a trailer maintenance shop, a fueling island; and fuel-powered generators, hydraulic-powered lifts, and storage areas including for lead-acid (wet-type) batteries to power forklifts.

Timberlands Environmental Site Assessment, Alabama. Conducted assessment of 215,000 acres of timberland in accordance with American Society for Testing and Materials Standard (ASTM) Practice E 2247-02. Used GIS tracking to record routes and mark specific areas of potential environmental concern including log yards and camps, fuel use and storage, pesticide and herbicide use, burning practices, logging roads, sand and gravel pits, hunting camps and leases, and landfills.

Phase I Environmental Site Assessment, Los Angeles County, California.

Conducted assessment of an office/warehouse facility including an ancillary former hazardous materials storage building and truck loading docks. Assessment included review of local government records to identify historical improvements and uses.

Phase I Environmental Site Assessment, San Diego County, California.

Conducted assessment of agricultural property including historical fuel storage areas.

Phase I Environmental Site Assessments, Santa Barbara County, California.

Conducted assessment of tenant spaces located in three office buildings in the City of Santa Barbara. Presented findings on detailed predetermined form format provided by the user/client. Research included a detailed review of building department permit site record history.

Phase I Environmental Site Assessment & File Reviews, San Diego County, California.

Conducted assessment of two vacant parcels previously developed. Performed 1,500 page file review of site and adjoining sites based on their historically uses as former gasoline service stations, each with historical unauthorized releases affecting groundwater. Analyzed historical soil sampling, remediation activities, and groundwater monitoring data to identify potential environmental impacts to the site from historical uses associated with on-site contamination sources or from off-site contamination sources.

Phase I Environmental Site Assessment, Kern County, California. Conducted assessment of an equipment and maintenance yard including an outdoor storage area for portable equipment used for petroleum dewatering applications, and including two shop buildings in support of metal fabrication and welding of heavy portable equipment, and oil research and development (R&D) laboratory activities.

Phase I Environmental Site Assessment of Agricultural Orchards, Kern County, California. Assisted in completing a company-wide environmental due diligence portfolio as a report author of five orchard (e.g. almond, walnut) sites located in Southern California by using an online database Phase I ESA report collection and preparation tool, PARCEL.

Phase I Environmental Site Assessment Portfolio, Los Angeles County, California. Was the lead assessor in a series of seven Phase I ESAs within the Phase I ESA portfolio which included assessment of non-scope ASTM 1527 items, including methane gas.

Phase I Environmental Site Assessments, Florida and South Carolina. Assisted in completing a company-wide environmental due diligence portfolio as a report author of multiple sites located in Florida and South Carolina by using an online database Phase I ESA report collection and preparation tool, PARCEL.

Phase I Environmental Site Assessment, Salt Lake County, Utah and Sweetwater County, Wyoming. Conducted a Phase I ESA of two planned plant location sites. In conducting the Phase I ESA, ENSR assessed the sites for visible signs of possible contamination, researched public records for the sites, and conducted interviews with representatives of regulatory agencies, the client, and those people deemed knowledgeable of the sites. ENSR successfully observed the sites during extreme weather conditions including snow cover and freezing temperatures.

Phase I Environmental Site Assessments, Harris and Brazoria Counties, Texas.

Conducted two Phase I ESAs of warehouse properties in conformance to the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments (E 1527-05), which meets the requirements of 40

CFR Part 312 and is intended to constitute all appropriate inquiry for purposes of the landowner liability protections (LLPs).

Phase I Environmental Site Assessment, San Luis Obispo County, California.

Conducted a Phase I Environmental Site Assessment (ESA) of a site that was first developed in with a garage/service station and residences. The ESA required the organization and review of a significant amount of environmental information. Site operations included former aboveground storage tanks (ASTs), associated product piping, and product dispensers, including an abandoned petroleum pipeline. The subject property was also used for outdoor vehicle storage and related activities. At the time of the ESA, the site was also undergoing pollution characterization under the lead regulatory agency oversight of the Regional Water Quality Control Board (RWQCB).

Environmental Closeout Survey (ECS), Santa Barbara County, California. Two air force base facilities located at Vandenberg Air Force Base (AFB) were assessed as part of the Environmental Closeout Survey (ECS) in accordance with United States Air Force Instruction (AFI) #32-7066, "Environmental Baseline Surveys in Real Estate Transactions," dated April 25, 1994, and the American Society for Testing and Materials (ASTM) standard E1527-97, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." The ECS was conducted in anticipation of terminating License agreements. ECS considerations included floodplain, vegetation, ecological characterization, wetlands, and cultural resources, aboveground and underground storage tanks, pipelines; hydrant fueling; and transfer systems, oil/water separators, pesticides, medical or biohazardous waste, radioactive wastes, wastewater treatment; collection; and discharge, drinking water quality, asbestos, polychlorinated biphenyls (PCBs), radon, and lead-based paint, including applicable regulatory compliance issues.

Phase I Environmental Site Assessment, Orange County, California. Conducted a Phase I Environmental Site Assessment (ESA) of a site consisting of four multi-story office buildings, five single-story light industrial office/warehouse buildings, two single-story retail strip-malls, and one multi-level aboveground parking structure. Operations at the subject property included clerical/administrative; one urgent care clinic, one repairer of medical equipment, one small-scale printing and shipping/copying business, one dentist office, one optometry office, one salon and spa and retail/restaurant-type businesses. A former dry cleaner facility was identified adjacent to the subject property with impacts to soil and groundwater with chlorinated solvents at concentrations that exceed the State of California regulatory cleanup objectives. And, a former on-site gasoline station was also identified during the course of the ESA.

Phase I Environmental Site Assessment, San Diego County, California. Phase I Environmental Site Assessments (ESAs) were conducted of two sites as part of a portfolio. The ESAs were conducted in accordance with American Society of Testing and Materials (ASTM) standard E 1527-05, and included an evaluation of non-standard ASTM components: asbestos, wetlands, water infiltration and potential mold-like growth, lead in drinking water, radon, high voltage power lines, underground pipelines and National Pollution Discharge Elimination System (NPDES) wastewater permits with respect to the Properties. At one of the sites assessed, one adjacent site was identified during the ESA to present a recognized environmental condition (REC);

Carl Eric Lindner

Program Manager, P16

Years Experience: 18

Professional History

- AECOM Environment - Camarillo
- Engineering Management Concepts (EMC), Inc
- IVI Environmental, Inc.

Education

- M.S. (Environmental & Occupational Health) New York Medical College
- B.A. (Environmental Science) State University of New York (S.U.N.Y.), College at Purchase

Professional Registrations and Affiliations

- AHERA Building Inspector
- AHERA Management Planner
- Association of Environmental Professionals (AEP), California
- 40 Hour HAZWOPER
- CPR/First Aid Certified

Representative Experience:

Application for Certification (AFC)

Project manager for the preparation of an AFC for the permitting and construction of four 250MW solar thermal facilities in southern California. The tasking involved collecting and compiling data from the project proponent, the subcontractors, and in house staff in order to facilitate the surveys, analyses and modeling required in an AFC. Tracking outstanding data items and organizing data for the individual section authors and tracking budgets and schedules.

Plan of Development (POD)

Preparing the environmental sections of a POD for a confidential client proposing to site and construct a 500MW photovoltaic (PV) electric generation facility to be located on Bureau of Land Management (BLM) land in Riverside County, southern California. Tasking includes identifying Federal, state and local permitting entities and developing a permitting matrix to demonstrate the permitting process for the further project development. Managing technical staff and subcontractors as they complete research of special status species, cultural and historic resources, and special land use designations in the proposed project area.

Phase I Environmental Site Assessments (ESA)

Supervised the preparation and development of Phase I ESAs for a confidential client for sites in Los Angeles, Kern, San Bernardino, and Riverside counties in southern California. The Phase I ESAs were conducted in accordance with current ASTM standards and comply with the All Appropriate Inquiry (AAI) requirements. The sites are being proposed for PV generation facility development in support of the state mandated development of renewable energy sources.

Critical Issues Analysis (CIA)

Directed the research and analysis of CIAs for a confidential client for two large solar thermal facilities in AZ. The sites were proposed on BLM land in La Paz, Yuma, and Maricopa Counties. Typical National Environmental Policy Act (NEPA) requirements were addressed to facilitate the further development of these facilities. Particular emphasis was placed on evaluating the sites for fatal flaws, if any, that would prevent construction. Communication with the client and the prospective regulatory agencies was paramount to this process. A permitting plan was developed for the client to identify the prospective agencies that would require permits, approvals, and consultation and to provide information as to process and schedule for the permitting of these facilities.

POD Development

Completed the environmental portions of a POD for a confidential client proposing to site and construct a 500MW photovoltaic (PV) electric generation facility to be located on BLM land in Imperial County, southern California. Tasking included identifying Federal, state and local permitting entities and developing a permitting matrix to demonstrate the permitting process for the further project development. Managed technical staff as they completed research of special status species, cultural and historic resources, and special land use designations in the proposed project area.

CIA Development

Assisted in the development of a customized Annotated Checklist format to apply to potential sites proposed to be developed with commercial photovoltaic facilities. Supervised the preparation of the Soils, Agriculture, Geology & Geological Hazards, Water Resources, Socioeconomics & Environmental Justice, and Air Quality sections and prepared the Hazardous Materials/Wastes section of a Critical Issues Analysis annotated checklist for 31 parcels totaling 8,046 acres being considered for commercial photovoltaic development in the West Mojave area. Edited and provided senior review of the Phase I ESA portion of this task.

AFC Development

Deputy Project Manager for the preparation of an AFC for the permitting and construction of the Palmdale hybrid gas-solar thermal power plant. The tasking involved collecting and compiling data from the project proponent, the subcontractors, and in house staff in order to facilitate the surveys, analyses and modeling required in an AFC. Tracking outstanding data items and organizing data for the individual section authors and writing the Hazardous Materials section for the document. Assisted with proofing draft sections, draft graphics, and data adequacy worksheets. Tracking review status of individual sections and assisting with final document organization in preparation for printing. Responded to data adequacy requests from CEC staff in order to expedite the determination of "Data Adequate" for the proposed facility. The AFC was deemed data adequate and the application continues through the Data Request phase.

Regulatory Permitting Analysis

Conducted research and developed guidance to identify the permits required in order to site and develop a commercial photovoltaic facility in the Clark County, Nevada area. The guidance document identified the likely agencies to be involved in the development process, the permits required, the permitting fees, and the general schedule for processing the individual permit applications.

Environmental Constraints Review

Supervised and conducted the review and evaluation of existing environmental and site development documentation for a potential solar thermal facility to be located in Nye County, Nevada. The documentation provided focused on Biological, Paleontological & Archaeological and Water Resources. The report identified the findings of a critical evaluation of the existing documentation prepared for the proposed facility. The technical review was conducted in order to determine whether the existing documentation effectively balances the physical requirement against the impact that this proposed project will have on the landscape, the community, and the surrounding environment.

CIA Development

Managed the development of the Biological Resources, Soil, Water, Geology & Geological Hazards, and Air Quality sections for the Critical Issues Analysis for permitting a proposed solar site on 160 acres in San Bernardino County. Analysis focused on potential fatal flaws within these issue areas that would negatively impact the feasibility to permit and construct a commercial photovoltaic facility.

Capital Permitting, Southern California, Arizona, Nevada

Supporting capital permitting for large energy companies as they address the complex regulatory requirements for siting and constructing electric generation facilities. The proposed facilities would be constructed in California, Nevada, and Arizona and the majority of these permit applications are for renewable energy. Permitting feasibility is currently being conducted for a large desalination facility. NEPA (where applicable), and specific state and local regulatory requirements are researched and reported to facilitate planning and project scheduling. The specific issues surveyed and analyzed include biological, cultural, paleontological, air, water, noise and visual impacts. Specific project descriptions are reviewed to understand the potential effect of the facility on the surroundings and to facilitate the discussion of alternatives within the context of the overall permitting approach.

Environmental Compliance Support, Naval Base Ventura County (NBVC)

Directed and responsible for the daily management of several distinct teams supporting the Public Works Department at Naval Base Ventura County (NBVC) including Environmental, Engineering, and GIS. Typical contract vehicles utilized to support Navy environmental planning documents for projects in the Southwest region were NAVFAC, NAWC, NAVAIR, SWDIV, GSA, and FedSource.

Tasking included the administration of all aspects of ongoing, multi-million dollar, technical support efforts. The technical management responsibilities included, but were not limited to editing Environmental Compliance and Environmental Protection documentation inclusive of EPCRA, Pollution Prevention, Hazardous Waste Management, Hazardous Waste Minimization, Storm Water Pollution Prevention, and Spill Prevention plans.

Generated NEPA/CEQA Negative Determination documentation for proposed MILCON actions and I have completed Army Corps of Engineers (ACOE) Section 401 and 404 Permits in support of customer planning and RWQCB requirements. Regular tasking also included the oversight of Natural and Cultural Resource and Endangered Species studies on the NBVC Point Mugu, San Nicolas Island and Port Hueneme sites. Additionally, conducted surveys/studies including the annual Least Tern and Western Snowy Plover surveys and the ongoing studies of the state and federally listed Endangered and Threatened Species on NBVC Point Mugu.

Conducted extensive asbestos bulk sampling and surveys in residential, commercial and industrial spaces on the Naval Installations in direct support of the NBVC Environmental Division. Total project area was in excess of 12 million square feet. Prior to the sampling I developed sampling plans and cost estimates. Suspect Asbestos-Containing Material (ACM) was identified and physical condition, imminent hazard and mitigation action was recommended.

Public Works Support, Naval Base Ventura County (NBVC)

Directly responsible for the daily management of several distinct teams supporting the Public Works Department at Naval Base Ventura County (NBVC) including Engineering, Planning, Utilities, and GIS. Responsible for the administration of all aspects of ongoing, multi-million dollar, technical support efforts.

Supported the daily requirements of the Planning department and assisted with the successful development and management of a robust database to support master planning initiatives as well as daily project and space management requirements.

Effectively implemented data management process to incorporate field data into the base GIS. Assisted in the collection and incorporation of infrastructure data from various base tenants. This ensured the accuracy of data supplied to the Navy project managers on a daily basis.

The GIS data management efforts supported the requirements of the NBVC Energy & Utilities Department and provided facility, site, and base maps for base projects. Utility infrastructure (gas, water, electric, and sewer) was continuously updated to ensure accuracy of data.

Phase I Site Assessments/ Phase II Project Management, Various National Banks & Lending Institutions

Primary job responsibilities were to conduct Phase I and Phase II Site Assessments on commercial, industrial, agricultural and residential properties according to ASTM standards. Over 200 Phase I Site Assessments were conducted nationally and completed. Phase II project management responsibilities included obtaining estimates, reviewing bids, coordinating contractors, and ensuring that necessary remediation was completed according to all applicable governmental regulations.

Communicated daily with Federal, state and local environmental regulatory agencies. I reviewed and interpreted historical, geological, hydrological and topographical maps as well as soil surveys and aerial photographs.

Facility audits were conducted on industrial and commercial properties to insure regulatory compliance. Particular emphasis was placed in the areas of hazardous materials and/or wastes, petroleum and chemical contamination. Recommendations for mitigation were offered.

Publications

"Asbestos as a complete carcinogen"
New York Medical College, Valhalla NY, 1998
Dissertation - Graduate School of Health Sciences

"Winter territory size in relation to food supply of the Northern Mockingbird"
State University of New York (S.U.N.Y.), College at Purchase, 1985
Thesis - Environmental Science

Stefanie Caryn Smith

Staff Specialist II

Years Experience: 4

Technical Specialties

- IMPLAN Socio-Economic Modeling
- Phase I Environmental Assessments
- CEQA
- Environmental Impact Assessments

Professional History

- AEI Consultants

Education

- BS (Environmental Studies) University of California, Santa Barbara

Professional Registrations and Affiliations

- Association of Environmental Professionals, California

Representative Project Experience

Capital Permitting

Mobile District, Preparation of NEPA Documents, US. Providing project support for reuse scenarios, document editing, and research for NEPA documentation.

ENSR is providing the large-business support to Marstel-Day, LLC, in preparing NEPA documentation required for BRAC and other military sites nationally under an existing small business IDIQ contract with Mobile District. Currently under preparation are NEPA documents at the following installations:

Kansas Army Ammunition Plant Disposal and Reuse EA, Parsons, KS
Selfridge Army National Guard - Michigan (Sebille Manor) Disposal and Reuse EA, Chesterfield Twp, MI
Lone Star/Red River Army Ammunition Plants Disposal and Reuse/Realignment EAs, TX
Fort McPherson/Fort Gillem Disposal and Reuse EAs, GA
Fort Monroe Disposal and Reuse EA, VA -
Fort Eustis Realignment EA, VA
Riverbank Army Ammunition Plant Disposal and Reuse EA, CA
Joint Forces Training Activity, Baseline Assessment and Sustainability Analysis, Los Alamitos, CA
CE Kelly Support Center, Disposal and Reuse EA, PA

All except Los Alamitos are NEPA EA's for BRAC sites; Los Alamitos is a baseline and sustainability analysis for a growing facility now undergoing a Master Planning process. ENSR's role varies by site – ENSR is managing the Selfridge and Fort McPherson studies. Key ENSR staff are providing Senior Expertise as Resource Area Leaders in the subjects of Land Use and Visual Impact assessment and Air Quality for all sites. ENSR is also providing GIS support for most of the facilities and air quality, HTRW/geology/site contamination; utilities; in some cases transportation and noise services for others. The Selfridge project has been supported by the ENSR North Central region staff; the McPherson/Gillem (one team doing both) projects are supported from the Southeast Region; and the California projects are supported from the Oakland and the Orange offices (the Southwest region).

Issues involve the transfer of military property addressing HTRW/contamination, preservation of historic structures/cultural resources, land use compatibility, air quality/emissions, water quality and resources, biological resources, transportation and utilities, and noise. ENSR is working closely with the Corps, the Department of the Army BRAC Headquarters, the Base Environmental Coordinator and Base Transition Coordinators at each site, the Installation Management Agency, as well as the Local Reuse Authority in expediting the timely transfer of these parcels for productive reuse

Environmental Assessments

TCB AECOM, Environmental Condition of Property Report, San Bruno, California. Conduction an Environmental Condition of Property (ECP) Assessment for a U.S. Marine Corps Reserve Facility. Performed historical site research in order to determine the potential environmental concerns associated with the facility.

Environmental Impact Assessment

Inland Energy, Land Use and Socio-Economic Support for Use Permit, Victorville, CA. Reviewed recent aerial photographs to determine land use within a regulated distance from the planned facility. Researched environmental justice data with the U.S. Census Bureau and the Bureau of Prisons to determine population data.

Inland Energy, Socio-Economic Support for Use Permit, Palmdale, CA.

Researched housing, economic, and population trends in the vicinity of Palmdale for use in writing the Socio-Economic section of a use permit for a new power plant in the region.

Valero Refinery, Assistance with Use Permit Application, Benicia, CA.

Assistance performing research regarding land use, geology, agriculture, and mineral resources and preparing a written document for the Use Permit for VIP II.

Environmental Impact Assessments

Army Corps of Engineers, Base Realignment and Closure Missions, Atlanta, Georgia. Assisted in the research and writing of data associated with the re-use scenarios for Fort McPherson.

Environmental Site Assessments

Transcontinental, Environmental Assessment and Use Permit support, San Leandro and Fremont, CA. Performed site summary assessments of two potential facilities for the new NADEV printing facility. Performed Phase I Environmental Site

Assessment for the preferred site. Assisted in preparing supporting CEQA documents for the Use Permit.

TA Realty, Phase I Environmental Site Assessment, San Jose, CA. Performed Phase I Environmental Site Assessment for a three building business park site.

TA Realty, Phase I Environmental Site Assessment, San Mateo, CA. Performed Phase I Environmental Site Assessment for an office building site.

TA Realty, Phase I Environmental Site Assessment, Santa Clara, CA. Performed Phase I Environmental Site Assessment for a six building business park site.

TA Realty, Phase I Environmental Site Assessment, San Mateo, CA. Performed Phase I Environmental Site Assessment for an office building site.

Oxbow, Phase I Environmental Site Assessment and Potable Water Sampling, Colorado. Assisted in the performance of Phase I Environmental Site Assessments for three residential properties and a resort property. Additionally, potable water sampling was completed during this investigation.

Confidential, Phase I Environmental Site Assessment, Florida. Completed report writing for several sites included in a portfolio of Due Diligence work within the 'Parcel' report writing system.

EDAW, Site Assessment, Vacaville, CA. Performed a Limited Environmental Site Assessment for a former orchard site.

Industrial Phase I Environmental Site Assessments, California. Completed several Phase I Environmental Site Assessments for light to heavy industrial sites throughout California. Sites include metal-working facilities, textile production factories, and former metal plating facilities.

Commercial Phase I Environmental Site Assessments, California. Completed several Phase I Environmental Site Assessments for commercial sites throughout California, Arizona, Oregon, and Washington. Sites include office buildings, retail sales, and current and former dry cleaners.

Residential Phase I Environmental Site Assessments, California. Completed several Phase I Environmental Site Assessments for single and multi-family residential sites throughout California and Washington.

Agricultural Phase I Environmental Site Assessments, California. Completed several Phase I Environmental Site Assessments for agricultural sites throughout California. Sites include current and former orchard sites, large and small scale farms, and wineries.