



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
520-770-3500
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the
James Doyle Sell Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.



**U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
EROS Data Center
Sioux Falls, South Dakota 57198**

The enclosed is the new price list for standard products from the EROS Data Center effective September 1, 1974.

Please note that the price list is organized to indicate the products available from the various data sources such as ERTS, Skylab, Aerial Mapping Photography, etc. We hope this will simplify placing of future orders.

Our substantial delivery problems of several months ago are now resolved by adequate staffing and equipment, and we are now shipping orders within two to four weeks of receipt.

A set of ERTS scenes covering the conterminous United States is available from the Data Center. The 470 scenes required to cover the United States are available in a single black and white band (Band 5), all four bands of black and white, or high quality color composites. The map enclosed identifies by unique number nominal center points of each selected satellite scene over the United States. The specific ERTS scenes selected for the single ERTS coverage of the United States were chosen on the basis of quality, season and minimum amount of cloud cover.

We look forward to serving you again.

User Services Unit
EROS Data Center
605-594-6511, Ext. 151
FTS - 605-594-6151

HOW TO ORDER SINGLE ERTS COVERAGE DATA

This order form is used to order all SINGLE ERTS COVERAGE DATA over the Conterminous United States.

Please provide the following information in the indicated areas of the order form:

- A. List your complete NAME, ADDRESS, ZIP CODE, and name of your COMPANY if applicable.
- B. List a PHONE NUMBER where you can be contacted during business hours.
- C. If you have had previous business with the Data Center and this order relates to that business, please list the previous CONTACT NUMBER if known.
- D. Enter the MAP REFERENCE NUMBER

Turn to the SINGLE ERTS COVERAGE MAP foldout.

Identify your area of interest on the map. It may require that you reference a road map or atlas in locating the area on the map.

Trace the small coverage outline from the lower left corner of the map onto a sheet of thin paper. This outline portrays the ground coverage of an ERTS image on that map.

Center the coverage trace over the numbered dot nearest your area of interest on the map, aligning the extended dashed line through the dots above and below. (See example of template in use - lower left on map) Dots should fall in sequence, i.e. if your center dot is 35 - 27 the dots to align with will be 35 - 26 and 35 - 28. You may find that a photo centered over adjoining dots will also cover your area of interest. Select the framing you most prefer.

Transcribe the PATH number from the map to the first column of the Map Reference Number. Transcribe the ROW number from the map to the second column of the Map Reference Number.

NOTE: ROW numbers are identified on every FIFTH PATH.

- E. The REMARKS column is completed only when a CUSTOM PRODUCT is desired and you want to specify the parameters.
- F. Enter the number of COPIES of that product which you desire in the QUANTITY column.
- G. Enter the UNIT PRICE of the type product as reflected in the STANDARD PRODUCTS TABLE.
- H. Multiply the figure in the QUANTITY column by the UNIT PRICE and enter the result in the TOTAL PRICE column.
- I. Repeat the above for each product ordered.
- J. TOTAL the costs of all products ordered on that order form and enter the net result in BLOCK A, TOTAL ABOVE.
- K. If more than 1 order form is required, enter the sum of the figures in BLOCKS A in BLOCK B on the last order form.
- L. Enter the SUM of BLOCK A and BLOCK B in BLOCK C. TOTAL COST.
- M. Indicate the TYPE of payment being made with a CHECK MARK. Make all drafts payable to U.S. GEOLOGICAL SURVEY. DO NOT SEND CASH.

Mail ORDER FORM(s) and PAYMENT to:

USER SERVICES UNIT
EROS DATA CENTER
SIOUX FALLS, SD 57198

EROS DATA CENTER STANDARD PRODUCTS

SATELLITE PRODUCTS

Sept. 1, 1974

ERTS DATA				
Image Size	Scale	Format	Black & White Unit Price	Color Composite Unit Price
2.2 inch.	1:3369000	Film Positive	\$ 2.00	N.A.
2.2 inch.	1:3369000	Film Negative	2.00	N.A.
7.3 inch.	1:1000000	Film Positive	3.00	12.00
7.3 inch.	1:1000000	Film Negative	3.00	N.A.
7.3 inch.	1:1000000	Paper	2.00	7.00
14.6 inch.	1:500000	Paper	5.00	15.00
29.2 inch.	1:250000	Paper	12.00	30.00
COLOR COMPOSITE GENERATION *(When not already available)				
Image Size	Scale	Format	Unit Price	
7.3 inch.	1:1000000	Printing Master **	\$ 50.00	
* Color composites are portrayed in false color (infrared) and not true color.				
** Cost of product from this composite must be added to total cost.				
COMPUTER COMPATIBLE TAPES				
Tracks	b.p.i.	Format	Set Price	
7	800	4 - tape set	\$ 200.00	
9	800	4 - tape set	200.00	
9	1600	4 - tape set	200.00	
NASA ERTS CATALOGS				
Title				Cost Per Volume
U.S. Standard Catalog - Monthly				\$ 1.25 each
Non - U.S. Standard Catalog - Monthly				1.25 each
Cumulative U.S. Standard Catalog - 1972/1973				
Volume 1 Observation ID Listing				
Volume 2, Coordinate Listing				1.25 each
Cumulative Non - U.S. Standard Catalog - 1972/1973				
Volume 1 Observation ID Listing				
Volume 2 Observation ID Listing				
Volume 3 Coordinate Listing				1.25 each
SKYLAB PHOTOGRAPHY				
S190A				
Image Size	Scale	Format	Black & White Unit Price	Color Unit Price
2.2 inch.	1:2850000	Film Positive	\$ 2.00	\$ 5.00
2.2 inch.	1:2850000	Film Negative	4.00	N.A.
6.4 inch.	1:1000000	Paper	2.00	7.00
12.8 inch.	1:500000	Paper	5.00	15.00
25.6 inch.	1:250000	Paper	12.00	30.00
S190B				
Image Size	Scale	Format	Black & White Unit Price	Color Unit Price
4.5 inch.	1:950000	Film Positive	\$ 2.00	\$ 6.00
4.5 inch.	1:950000	Film Negative	4.00	N.A.
4.5 inch.	1:950000	Paper	2.00	6.00
8.6 inch.	1:500000	Paper	2.00	7.00
17.2 inch.	1:250000	Paper	5.00	15.00
34.4 inch.	1:125000	Paper	12.00	30.00

EROS DATA CENTER STANDARD PRODUCTS

AIRCRAFT PRODUCTS

Sept. 1, 1974

AERIAL MAPPING PHOTOGRAPHY		
Image Size	Format	Black & White Unit Price
9 inch.	Film Positive	\$ 3.00
9 inch.	Film Negative	6.00
9 inch.	Paper	2.00
18 inch.	Paper	5.00
27 inch.	Paper	6.00
36 inch.	Paper	12.00
Photo Index	Paper	3.00

NASA RESEARCH AIRCRAFT PHOTOGRAPHY			
Image Size	Format	Black & White Unit Price	Color Unit Price
2.2 inch.	Film Positive	\$ 2.00	\$ 5.00
2.2 inch.	Film Negative	4.00	N.A.
4.5 inch.	Film Positive	2.00	6.00
4.5 inch.	Film Negative	4.00	N.A.
4.5 inch.	Paper	2.00	6.00
9.0 inch.	Film Positive	3.00	12.00
9.0 inch.	Film Negative	6.00	N.A.
9.0 inch.	Paper	2.00	7.00
9X18 inch.	Film Positive	6.00	24.00
9X18 inch.	Film Negative	12.00	N.A.
9X18 inch.	Paper	4.00	14.00
18.0 inch.	Paper	5.00	15.00
27.0 inch.	Paper	6.00	20.00
36.0 inch.	Paper	12.00	30.00

MISCELLANEOUS

MICROFILM	Black & White Roll Price	Color Roll Price
16 mm (100 foot roll)	\$15.00	\$35.00
35 mm (100 foot roll)	20.00	40.00

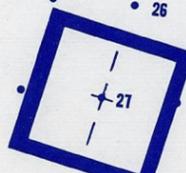
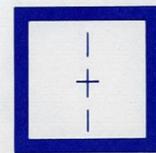
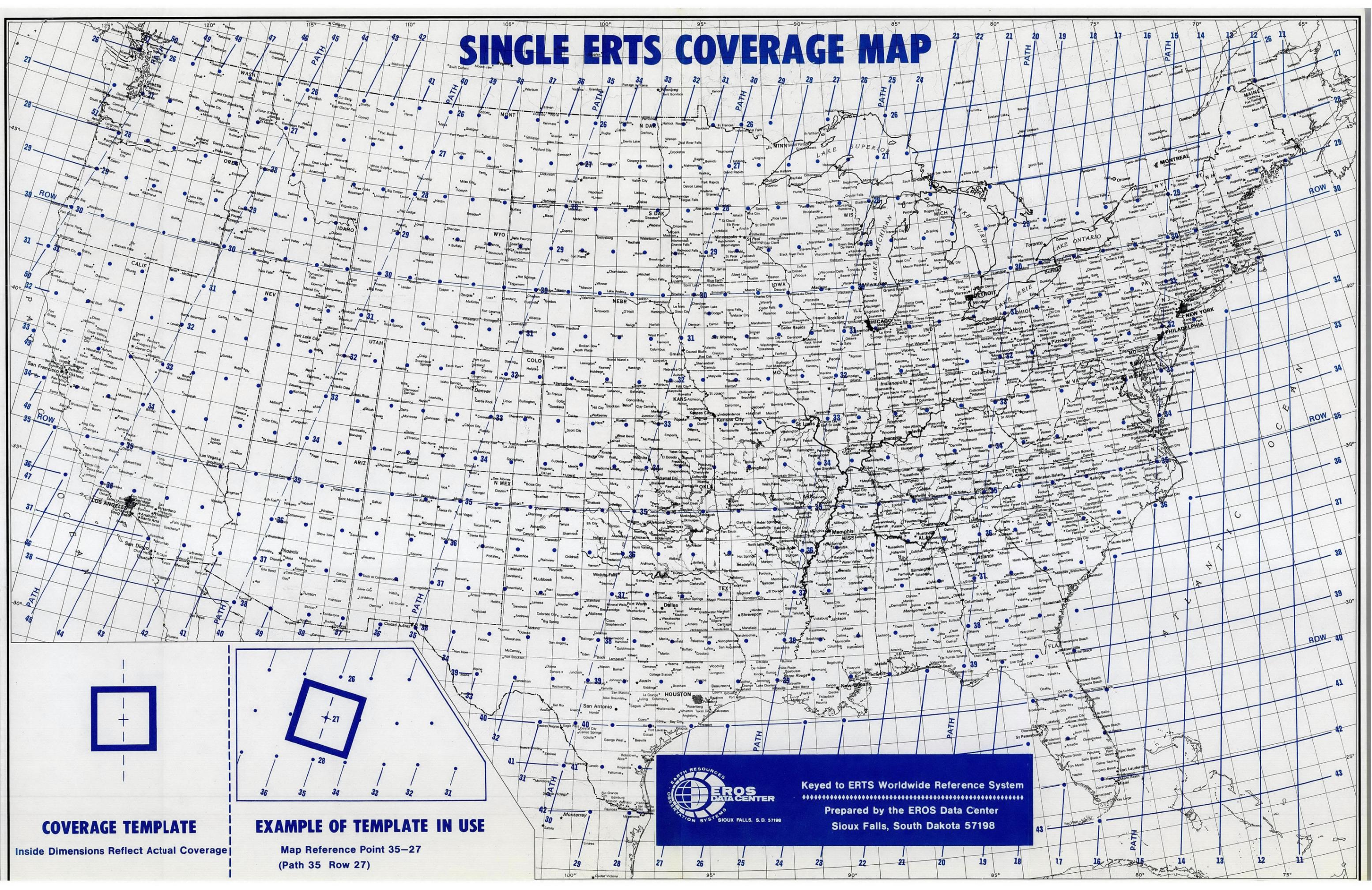
KELSH PLATES	Black & White
Contact Prints on Glass Specify thickness (0.25 or 0.06 inch) and method of printing (emulsion to emulsion or through film base).	\$ 10.00

TRANSFORMED PRINTS	Black & White
From convergent or transverse low oblique photographs.	\$ 7.00

35mm MOUNTED SLIDE	
35 mm mounted duplicate slide where available	\$.60

ROLL TO ROLL
Roll to Roll reproductions delivered in roll carries a 50% reduction in price.

SINGLE ERTS COVERAGE MAP

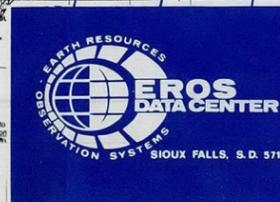


COVERAGE TEMPLATE

Inside Dimensions Reflect Actual Coverage

EXAMPLE OF TEMPLATE IN USE

Map Reference Point 35-27
(Path 35 Row 27)



Keyed to ERTS Worldwide Reference System

Prepared by the EROS Data Center
Sioux Falls, South Dakota 57198



UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Water Resources Division
Room 5017 Federal Building
230 North First Avenue
Phoenix, Arizona 85025

April 29, 1974

Mr. James D. Sell
American Smelting & Refining Co.
Post Office Box 5747
Tucson, Arizona 85703

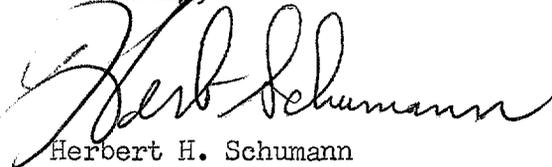
Dear Mr. Sell:

Enclosed is a 1:1,000,000 copy of the ERTS-1 Satellite Image Map of Arizona for your evaluation and comment. This copy is not exactly to scale because of the inherent problems of printing on lightweight glossy paper, however I have checked the negative and it is very close to map scale. This is a preliminary product and as such it is not yet available to the public.

In response to your request of April 8th we will be happy to have a 1:500,000 scale copy of the ERTS-1 base map on display at the May 7th Arizona Geological Society meeting in Tucson. In connection with this display I would like to borrow your negative of the 1:500,000 geologic map of Arizona in order to produce a positive, mylar, transparency of the map to overlay the ERTS-1 Satellite Image Map. If this is possible I would like to request that you send the negative to Tucson Blueprinting Co. at 537 North 6th Avenue to have the above product made. Tucson Blueprinting can then bill us for the finished product and return your negative directly to you. This procedure will prevent you from getting involved in billing problems. I hope these arrangements will be satisfactory. Thank you very much for your interest and help.

Negative sent May 6.

Sincerely,


Herbert H. Schumann
Hydrologist

Enclosure

cc: EROS Program Director, Reston, VA
Joe Pilonero, Topo. Div., Nat. Center, Reston, VA

J.D.S.

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

March 25, 1975

MEMORANDUM FOR GEOLOGISTS

NASA Photographs

Mrs. Kellogg has on file AMS sheets showing photo centers of NASA photographs (flight height 65,000') covering all of Arizona and parts of New Mexico, California, and Nevada. Upon receipt of NASA photos or negatives, Mmes. Kellogg & Bormolini are hereby instructed to mark indices to show prints or negatives are in Asarco's photo library.

Delivery time should be less than two weeks if ordered through Mr. Sanger of the USGS Office in Phoenix.

Please see me prior to ordering photos or negatives.

W. L. Kurtz
W. L. Kurtz

WLK:1b

cc: VKellogg
LBormolini

*Returned
to files*

Photo Coverage and Indexes sent to J. A. Staargaard -- 8/24/72

Forest Service Photos -- Globe-Miami District

ESA 8-82 thru 8-90
ESA 9-37 thru 9-40
ESA 9-65 thru 9-72
ESA 18-176 thru 18-184
ESA 20-74 thru 20-78
With Index

AMS Project 120 Photos -- Ray to North of Globe

Photos 1772 thru 1787
1814 thru 1826
1894 thru 1910
2643 thru 2653
2733 thru 2745
2777 thru 2790
With Index

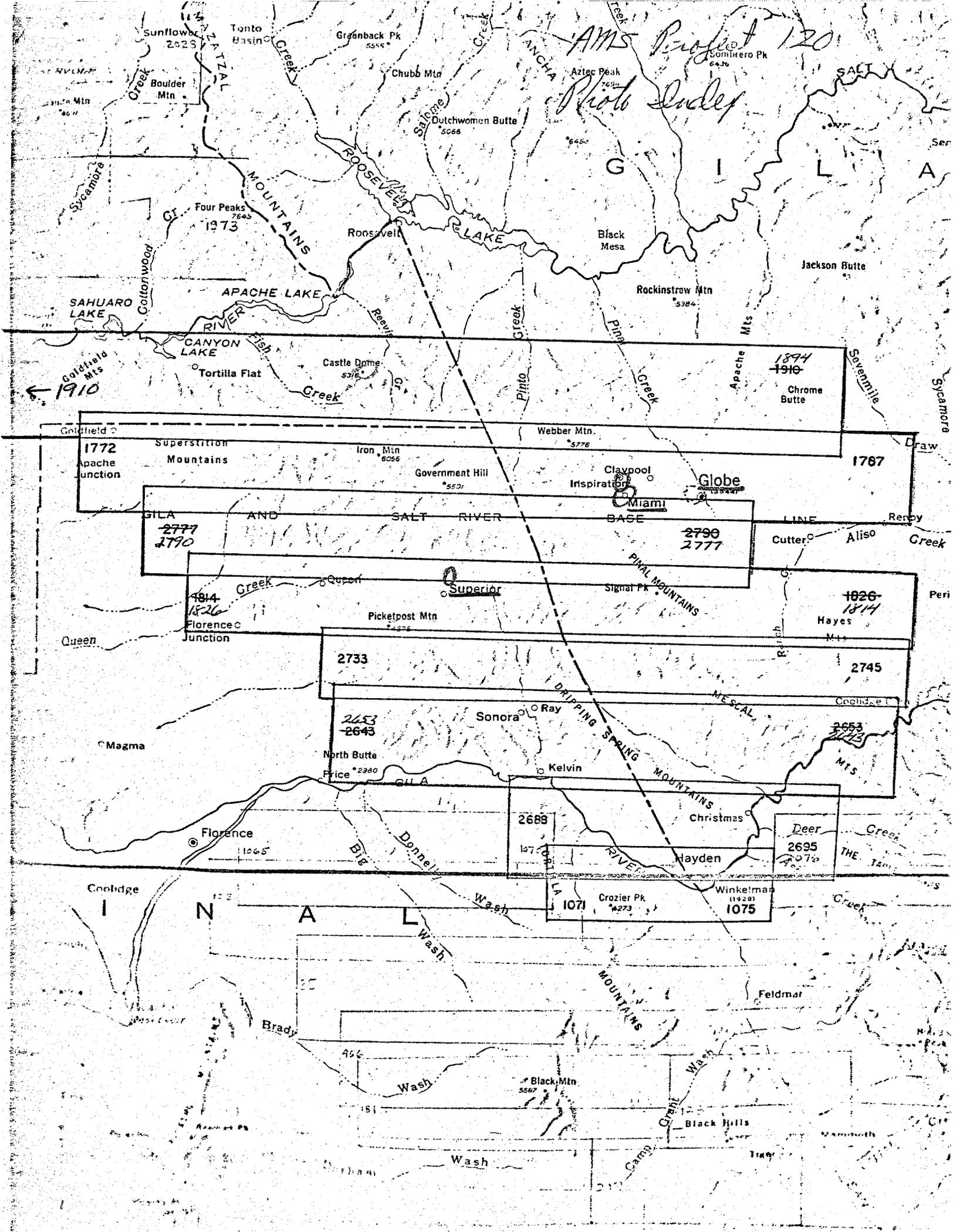
NASA U-2 Flight Photos

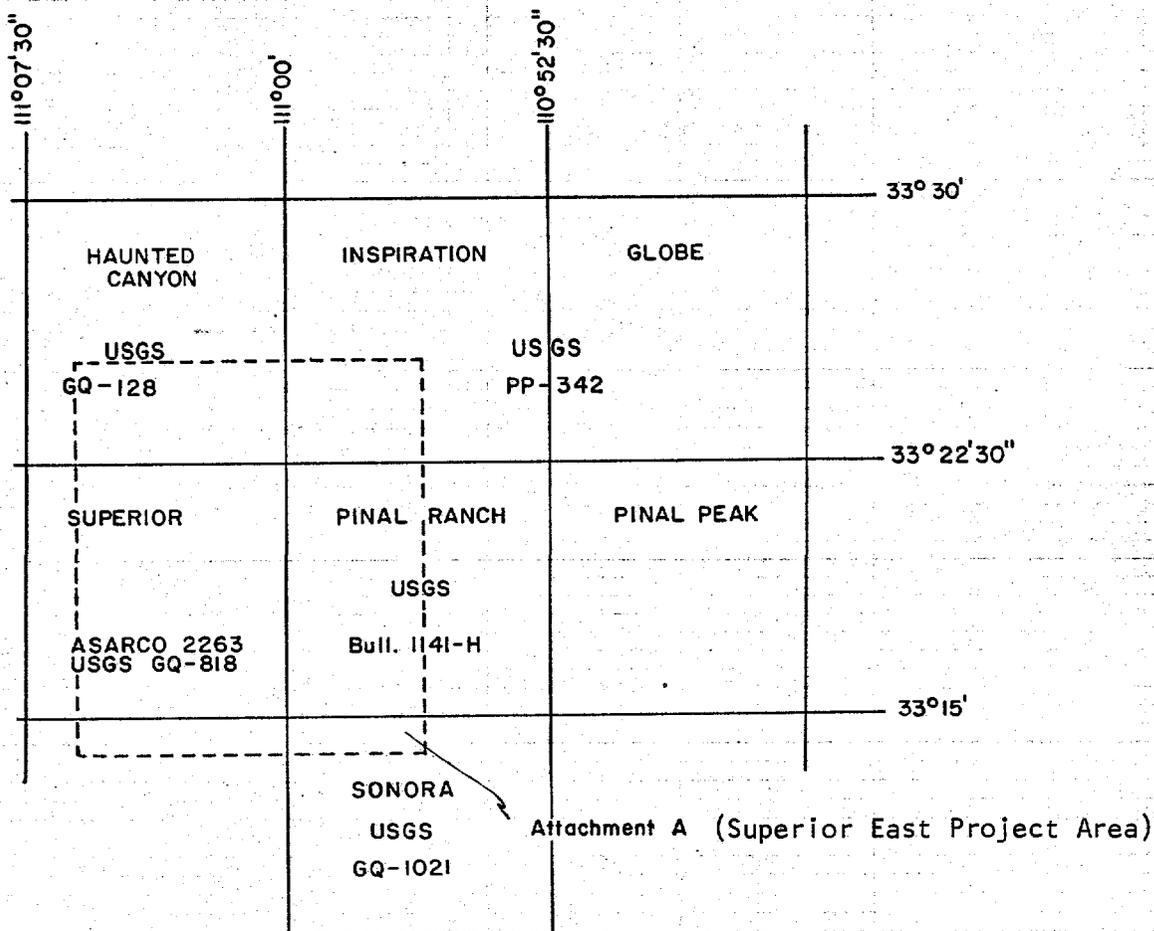
Photo of ~~Kearney~~ Superior Area
Photo of ~~Superior~~ Castle Dome Area
No Index

ASARCO Salt Lake City -- Superior East Project

Lines 1 thru 12
No Index

AMS Project 120
Photo Index





GQ-128. Geology of the Haunted Canyon Quadrangle by D.W. Peterson, 1960 (1 sheet)

PP-342. Geology and Ore Deposits of the Globe-Miami District, Arizona, by N.P. Peterson, 1962 (Plate I).

ASARCO 2263. Geologic Map of the Superior (7-1/2') Quadrangle, compiled by J.D. Sell, 1970. (File Memo Aa-16.A.16.19A, Map No. 2263.)

Bull. 1141-H. Geology of the Pinal Ranch Quadrangle, by N.P. Peterson, 1963 (Plate I)

GQ-818. Geologic Map of the Superior Quadrangle, Pinal County, Arizona, by D.W. Peterson, 1969. (1 sheet with text.) Note: Detailed 1:12000 mapping of the west half was released as USGS Map MF-253.

GQ-1021. Geologic Map of the Sonora Quadrangle, by H.R. Cornwall, et al, 1971. (1 sheet).

Geologic Quadrangle Mapping in
Globe-Superior Area (7 1/2' Quadrangles)

SUPERIOR EAST PROJECT

PINAL & GILA COUNTIES

Additional Reference

Hammer, D. F., and Peterson, D. W., 1968, Geology of the Magma Mine: Ore Deposits of the United States 1933-1967; AIME Graton-Sales Volume 2, p. 1282-1310.

J.D.S.

1970
revised 1972

18-175

8-90

2-70

9-70

18-180

20-75

9-37

20-7

2-75

9-65

18-185

9-40

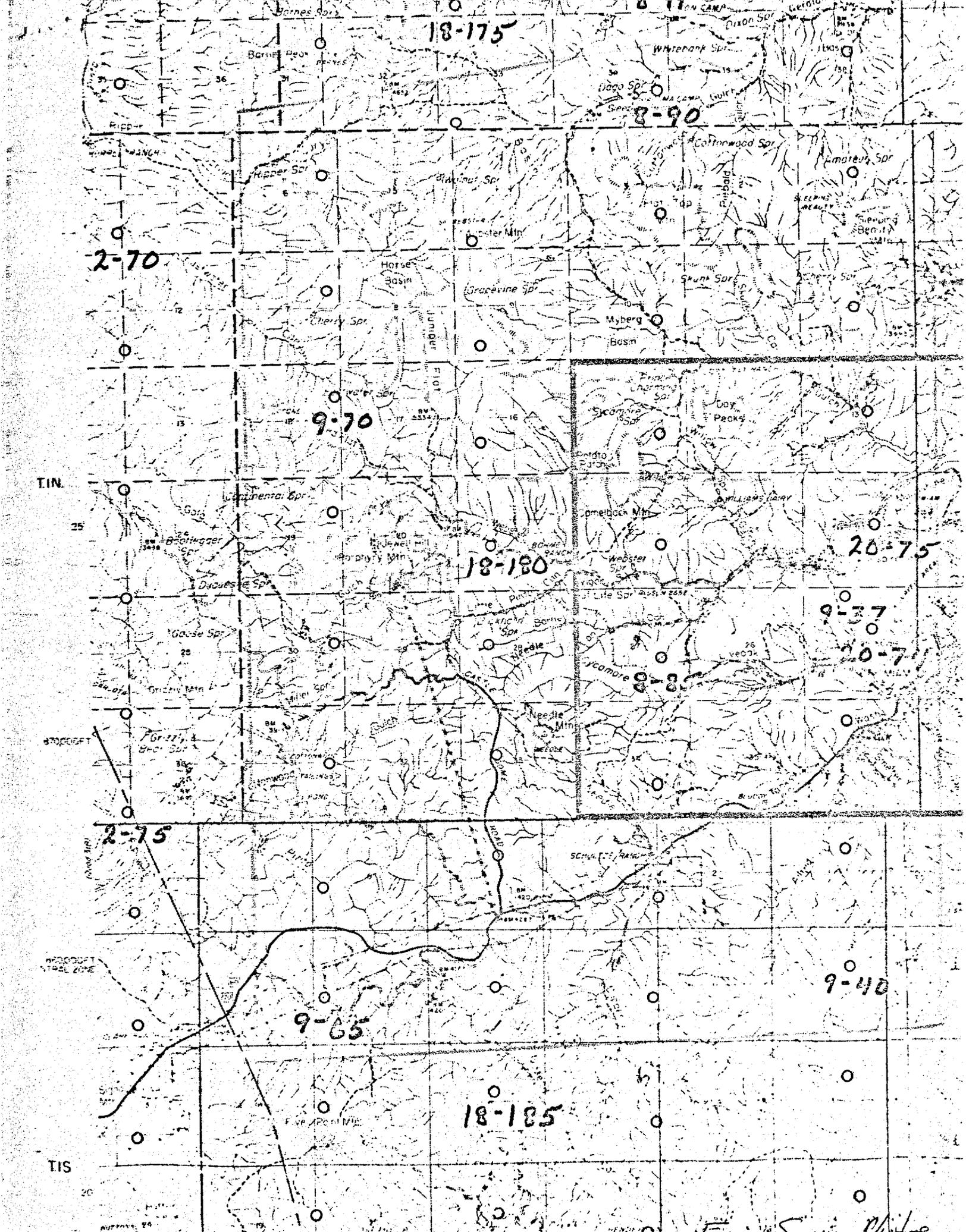
TIN

PROSPECT

PROSPECT

TIS

White





Southwestern Exploration Division

February 22, 1977

TO: F. T. Graybeal

FROM: J. D. Sell

ERTS Exercise
Phoenix-Tucson Area

For the ERTS/Landsat study, Mr. Bryan Bailey supplied two enlargements of the Phoenix-Tucson area (Nasa Erts E-2099-17213 photo); one in black and white, the other a color composite of bands 4, 5, and 7. After studying both photos I chose the color composite for detailed analysis as it appeared to have better resolution, clarity, and tonal change characteristics. The photo covered from north of the Globe-Miami mining district to south of the Silver Bell district. The west boundary was beyond the Sacaton area and the east boundary beyond San Manuel.

Significant surface disturbance in mining areas, especially with large waste dumps and tailings ponds, is readily visible and is outlined on the clear mylar overlay in red. Less significant are the block cave hole at San Manuel and the work at Lakeshore. Unnoticed, except as a rectangular outline, is the Sacaton pit area. A similar rectangular area east of the road north from Casa Grande is a cleared, uncultivated field. No tonal clue could be seen for Poston Butte, Blackwater, and Vekol Hills mineral deposits.

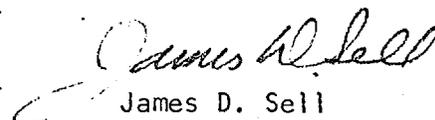
The large area of road system (3 x 3 miles) north of Mesa is readily visible as is the site of a heavy equipment testing facility. However, a road mileage test center south of Tempe on the east end of South Phoenix Mountain and the center in the San Tan Mountains are not noticeable.

No incident of linears appears to outline the known mineral districts.

Of interest in the SW quarter of the photo is Big Foot in area ①, an uplifted conglomerate block. Note also the limonitic, pyritic yellow tone to the surrounding area. At area ① the limonitic tone is weathered Precambrian granite cut by a few Laramide dikes and masses, generally unaltered. Going to the southwest are a number of tonal and shape areas characteristic of Big Foot and in the vicinity is the limonitic color tone. It would appear that areas 2, 3, and 4 should be checked for possible porphyry occurrences.

A similar color tone, slightly reddish, lies NE of the Silver Bell area (5) and continues north of the Ragged Top fault into area 6. Areas 7, 8, and 9 are similar to the Silver Bell 6 coloration.

Coloration zones are not visible around the porphyry deposits of the Globe-Miami, Ray, Christmas, and San Manuel areas.


James D. Sell

JDS:lb

cc: GJStathis

February 10, 1977

TO: F. T. Graybeal

FROM: G. J. Stathis

ERTS/LANDSAT photo exercise of the Tucson-Wilcox-Cananea region and of the "Walker Lane" (Walker Lake-Yerington-Virginia City) Region

Introduction

For the Tucson-Wilcox-Cananea exercise a 39" square enlargement of the Band 5 black and white enlargement of photo E-2458-17104 taken on April 24, 1976 was used. A 39" square false color enlargement of photo E-2134-1716 which covers part of the area of the b&w enlargement was supplied but not used in the exercise because it would not overlay the b&w enlargement.

For the "Walker Lane", Nevada exercise, both Bands 5 and 7 b&w 39" square enlargements of photo E-5495-17141 taken on August 26, 1976 were used. A 39" square enlargement of the false color composite of photo E-5495-17141 was supplied by Bryan Bailey but was not used due primarily to time limit. The Band 5 enlargement was examined first and an overlay was constructed. Subsequently, the Band 7 b&w enlargement was examined and an overlay was constructed. It became apparent that the Band 7 enlargement showed somewhat more detail than the Band 5 enlargement.

The photographs were examined intermittently from 2 to 4 hours over a 6 day period. This time spent includes preparation of a second "geographic" overlay for both the Tucson-Wilcox-Cananea and "Walker Lane" photos. This "geographic" overlay shows location of mountain ranges, valleys, towns, important mining districts, major prospects, lakes, partial tracings of rivers and highways, and hot springs ("Walker Lane" photo only).

Contrary to the instructions given in your memo of December 27, 1976, the entire photo area was examined rather than specific, less disturbed, altered mineralized-mineralized zones. This was done because: 1. scale of the photos are such that areas encompassing specific altered-mineralized zones are quite small; 2. rather poor resolution of the ERTS/LANDSAT enlargements, perhaps caused by use of second, third, or fourth generation negatives by the EROS lab. Approximately 80 percent of my time was spent in examining the "Walker Lane" photo because of a much greater familiarity of the regional geology.

"Walker Lane" Exercise -- conclusions

1. The Basin & Range faults, the main structural feature of this region, show up very well on the photos as they do on any conventional, fixed wing, air photograph that I have seen of this region.

2. The northwest "Walker Lane" discontinuity which separates the north-trending mountain ranges on the north from the northwest-trending mountain ranges to the south shows up well. This line of discontinuity can be traced on standard 1:250,000 scale AMS topographic sheets just as well.
3. No widespread northwest-trending, shear or fracture system parallel to the Walker Lane zone of postulated, major right lateral, strike slip movement was discerned in the photographs.
4. Faults such as the Comstock and Silver City faults and several important ones in the Yerington region; e.g., Blue Jay, Gallagher Pass, Mickey Pass are not discernable in the satellite photographs. Yet these are significant, in the exploration sense, faults in these mining districts. The problem again is one of scale and resolution.
5. There appears to be no discernable structure(s) accounting for the location of individual mining districts.
- * 6. The ERTS/LANDSAT photos are especially good in showing circular features such as the Soda Lake Maar just west of Fallon and the recently recognized Little Walker Caldera just northwest of Bridgeport, California. In addition, a few unexplained circular features were noted at the southwest corner of the photo which covers the Sierra Nevada Range.
- * 7. Also, there is an indication that Basin & Range-like structures partially extend into the Sierras. Similar phenomenon has been noted south of the photo in the Bishop-Mt. Whitney-Lone Pine, California region.
- * 8. Northeast-trending linear features are more sharply defined on the Band 7 than the Band 5 photo. These linears occur both north and south of the "Walker Lane" and appear to counter the trend of Basin & Range faults. The significance of these linear features is unknown. There are, no doubt, more of them than I have shown. The problem is that Band 7 photography appears to have more contrast resulting in accentuation of sun shadows in canyons, ravines, etc. Thus, it is hard to assess true linears from apparent? linears caused by low-angle sun shadows in northeast-trending canyons.

Tucson-Wilcox-Cananea Exercise -- conclusions

1. Lack of any recognizable structures in the Pima mining district south of Tucson, at Cananea (Sonora, Mexico), or Sunnyside (Patagonia Mtns.).
2. Arcuate features noted in the Santa Catalina Mtns. Their significance is unknown.

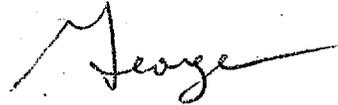
Conclusion

A study of ERTS/LANDSAT photographs has led to the conclusion that these photographs are not particularly useful in exploring for mineral deposits

* See Notes by FTG & answers by GJS.

February 10, 1977

in the Basin & Range province of the western United States. The current state-of-the-art is such that scale and resolution of these photographs does not permit the recognition and recording of geologic detail that is permitted by available conventional air photography and including U2 and Skylab photography.



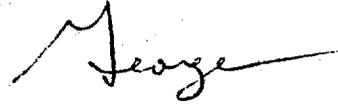
G. J. Stathis

GJS:lb

cc: JDSe11

February 10, 1977

in the Basin & Range province of the western United States. The current state-of-the-art is such that scale and resolution of these photographs does not permit the recognition and recording of geologic detail that is permitted by available conventional air photography and including U2 and Skylab photography.



G. J. Stathis

GJS:1b

cc: JDSell

6. ① Do linear grooves in the photograph interfere with interpretation. Is this why circular features show up more clearly?
7. ② Any chance the mining districts in Nev. can be related to NE structures extending out of the Sierra Nevada.
8. ③ With reference to sun angle problems in #8 is it possible that "apparent linears" which are an artifact of sun angle and are thus topographic may represent actual structural patterns and that further work with photos at different angles (time of day) might be useful?? Morning sun would accentuate NE structures, afternoon sun accentuate NW structures.

To: FTG

2-16-77

1. No linear groves do not interfere with interpretation. As a matter of ^{more} fact. These groves are significantly "enhanced" on band 7 than band 5 photography. They are somewhat annoying -harsh. No I wouldn't say the presence of these linear grove features caused circular structure to stand out more clearly.

2. I really cannot see these NE structures in the Sierras

3. Yes I think many of the topog. linears due represent benalide structural zone of weakness (shallow). Yes, photos at different times of day & season should be a very interesting exercise - - A Good idea Fred!

GJS



Hunting Australia

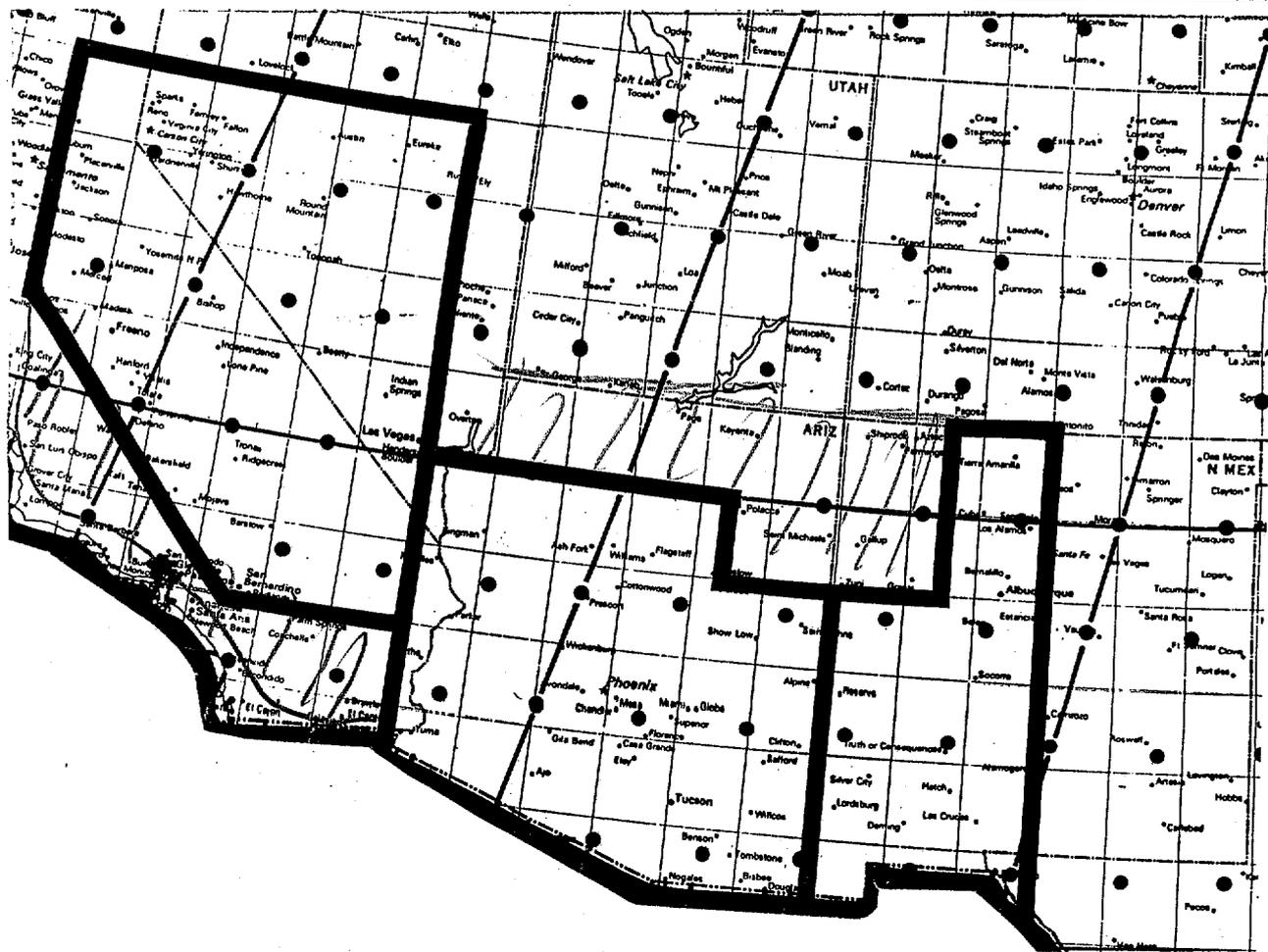
Albert C. Theron B.Sc., M.Sc.
Managing Director

Hunting Geology and Geophysics (Australia) Pty. Limited

P.O. Box 365
Fyshwick, A.C.T. 2609

Cables: Astereo Canberra
Telephone: (062) 80 4277
Telex: 62677

Hunting Australia



MULTI-CLIENT LANDSAT BASED STUDIES OF THE SOUTH WEST U.S.A.

1. Hunting Australia is to commence integrated Landsat based studies of West New Mexico, Arizona and East California/Nevada.
2. Studies will be done at 1:250,000 and presented in transparency form at this scale as 3 data sets per 1⁰ x 2⁰ module showing:-

Structure,
Geomorphology,
Interpreted geology and metal occurrences.

The thrust of the studies will be mainly at Cainozoic intrusive-extrusive related base metal and precious metal occurrences.

3. The 1:250,000 series data sets will be reduced to 1:1,000,000 and presented as overview data sets.
4. Hunting Australia retains copyright over the studies and data sets and these may not be resold or given away.

	<u>Cost</u>	<u>Completion date</u>
West New Mexico	A \$ 8,000	October, 1983
Arizona	A \$12,000	January, 1984
California-Nevada	A \$15,000	January, 1984

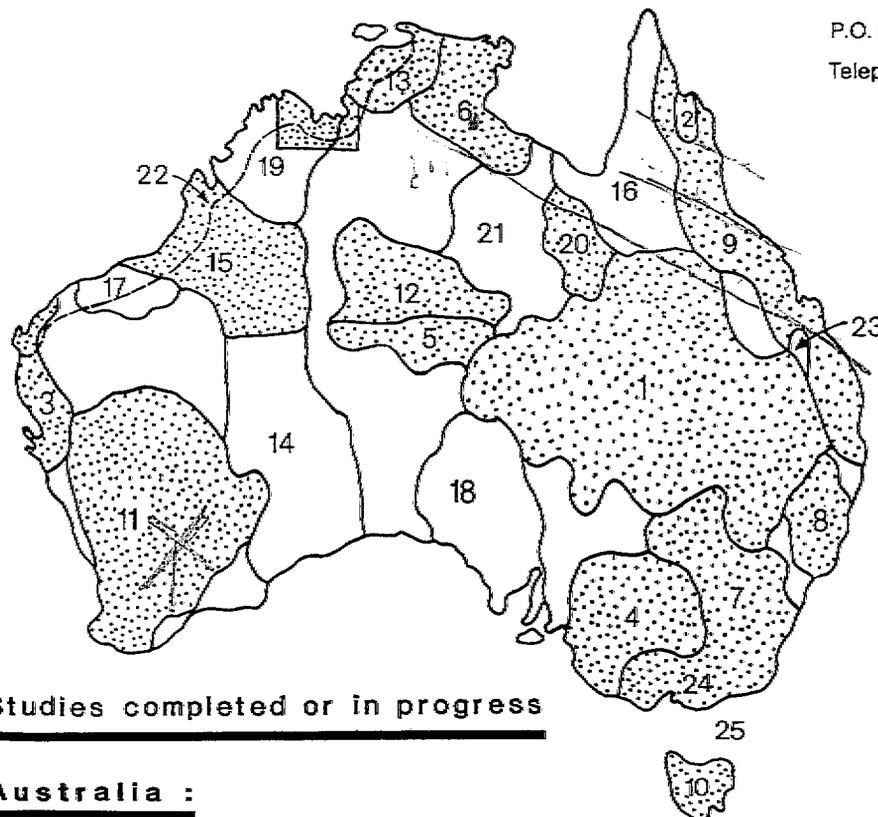
A.C. Theron
A. C. Theron,
Managing Director.

Hunting Australia



P.O. Box 365 Fyshwick, A.C.T. 2609

Telephone (062) 80 4277



Effective
June, 1983.

Studies completed or in progress

Australia :

	<u>Aust.\$</u>	
1	Eromanga Basin	35,000
2	Laura Basin	5,000
3	Carnarvon Basin	6,000
4	Murray Basin	6,000
5	Amadeus Basin	15,000
6	McArthur Basin	12,000
7	Lachlan Fold Belt	12,000
8	New England	6,000
9	North Tasman	18,000
10	Tasmania	6,000
11	Yilgarn	18,000
12	Arunta	15,000
13	Pine Creek	5,000
14	Officer Basin	
15	Canning Basin	12,000
16	Carpentaria Basin	800/sheet
17	Pilbara	6,000
20	Mt. Isa	6,000
24	Otway-Gippsland	2,500
25	Bass Basin	3,000

	<u>Aust.\$</u>
New Zealand (proposed)	14,000
Republic of South Africa	25,000
Papua New Guinea	11,000

U.S.A.:

West New Mexico	8,000
Arizona	000
Nevada & East Califo	0



1. Study conducted at 1:250,000 scale.
2. Presentation at 1:250,000 and "overview" scale which may be 1:500,000 or 1:1,000,000.



org. copies @ AMMR



orig. copies @ ADMAR



orig. copies @ ADMMA



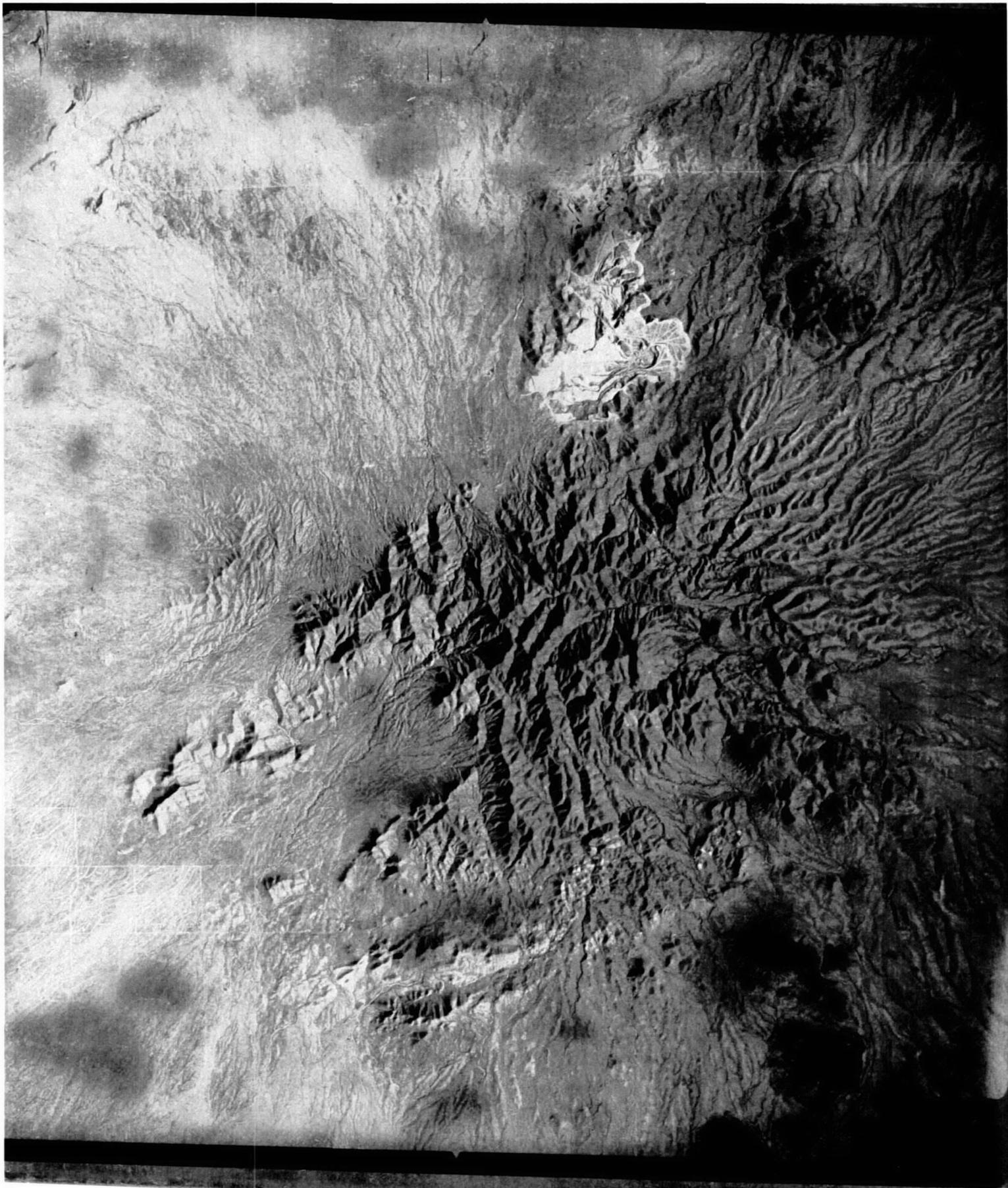
Org. copies @ ABMMK



Orig. copies @ ADMMK



orig. copies of
admmk



orig. @ ADMR



orig. © AdmmR