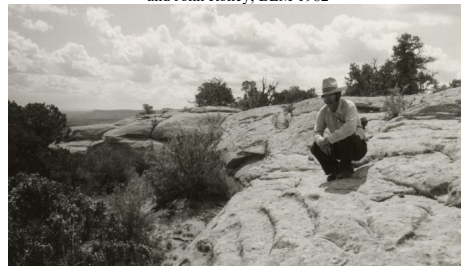




## FINDING AID



Jackson Staircase  
and John Roney, BLM 1982



# **BUREAU OF LAND MANAGEMENT CHACO ROADS PROJECT RECORDS**

**1971-1987 (bulk dates: 1981-1986)**

Prepared by  
Chaco Culture National Historical Park  
2023

Catalog Number: CHCU 150127  
Collection CHCU 0005

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## ***HISTORY***

The Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

## ***SCOPE AND CONTENT***

### BUREAU OF LAND MANAGMENT CHACO ROADS PROJECT RECORDS 1971-1987 (bulk dates: 1981-1986)

*CATALOG NUMBER* CHCU 150127

*VOLUME* 12.7 LF

*DESCRIPTION* This collection documents the BLM Chaco Roads Project through two phases of compilation work consisting of ground orientated investigations, aerial perspectives, and formulation of ground verification methodology. The project also produced two final reports. The first phase provides documentation on the establishment and operations of the project, the initial project proposal and review by a committee, photointerpretation work on potential roads, groundwork on potential roads determined by the photointerpretation, subsurface trenching, previous research materials referenced by the team; and visual materials used or created by the CRP team in executing the project. The second phase documents further research on potential prehistoric roads and related architecture mostly through ground observations and some aerial reconnaissance.

*ORGANIZATION* The collection is organized into three series:  
SERIES I: BLM Chaco Roads Project (CRP) Phase I; SERIES II: BLM Chaco Roads Project (CRP) Phase II; and SERIES III: BLM Chaco Roads Project (CRP) Reports and Papers

*PROVENANCE* BLM CRP Team members Gretchen Obenauf and John R. Stein

*RESTRICTIONS* Yes

*ASSOCIATED  
MATERIALS*

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***HIERARCHY***

SERIES I: BLM CHACO ROADS PROJECT (CRP)- PHASE I, 1971-1983 (bulk dates: 1981-1982)

SUBSERIES A: ADMINISTRATIVE FILES, 1980-1983

SUBSERIES B: CRP PROPOSAL AND COMMITTEE REVIEW FILES, 1980-1982

SUBSERIES C: AERIAL PHOTOINTERPRETATION DATA, 1980-1982 (bulk dates: 1981)

SUBSERIES D: ROADS AND SITES DATA, 1971-1982 (bulk dates: 1981)

SUBSERIES E: SUBSURFACE PROFILE DATA, 1981

SUBSERIES F: PRIOR RESEARCH PAPERS AND FIELD STUDIES, 1972-1981

SUBSERIES G: ROADS AND SITES PHOTOGRAPHY, 1980-1983

SUBSERIES H: AERIAL PHOTOGRAPHY, 1973-1981

SUBSERIES I: AUDIOVISUAL RECORDINGS, circa 1982

SUBSERIES J: MAPS AND DRAWINGS, 1981-1982

SERIES II: BLM CHACO ROADS PROJECT (CRP)- PHASE II, 1978-1987 (bulk dates: 1981-1986)

SUBSERIES A: CORRESPONDENCE AND NOTES, 1981-1987

SUBSERIES B: SITES, FEATURES, AND ROADS DATA, 1982-1986

SUBSERIES C: ROADS, FEATURES, AND AERIAL PHOTOGRAPHY, 1978-1987

SUBSERIES D: MAPS AND DRAWINGS, 1982-1983

SERIES III: BLM CHACO ROADS PROJECT (CRP) REPORTS AND PAPERS, 1982-1987

## ***SERIES DESCRIPTIONS***

### *SERIES I: BLM CHACO ROADS PROJECT (CRP)- PHASE I, 1971-1983 (bulk dates: 1981-1982)*

Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The series consists of 10 subseries:

SUBSERIES A: Administrative Files; SUBSERIES B: CRP Proposal and Committee Review Files; SUBSERIES C: Aerial Photointerpretation Data; SUBSERIES D: Roads and Sites Data; SUBSERIES E: Subsurface Profile Data; SUBSERIES F: Prior Research Papers and Field Studies; SUBSERIES G: Roads and Sites Photography; SUBSERIES H: Aerial Photography; SUBSERIES I: CRP Audiovisual Recordings; SUBSERIES J: Maps and Drawings

This series documents the establishment and operations through administrative files of the Chaco Roads Project; the initial project proposal and review by a committee; photointerpretation work on potential roads; ground work of roads designated by the photointerpretation; a small amount of subsurface trenching; previous research materials reference by the team; and visual materials used or created by the CRP team in executing the project.

Of note, the 1981 low sun angle aerials commissioned during Phase I are not part of this collection. The material might be referenced or exist in the Thomas R. Mann and Associates Collection at Earth Data Analysis Center (EDAC)-UNM.

### *SUBSERIES A: ADMINISTRATIVE FILES, 1980-1983*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The subseries arrangement is chronological.

This subseries documents the administrative record and operations associated with forming and managing the project. It contains correspondence, memorandum of understanding, procurement files, service requests, and tribal permits.

### *SUBSERIES B: CRP PROPOSAL AND COMMITTEE REVIEW FILES, 1980-1982*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The subseries arrangement is chronological.

This subseries documents the development and workings of the Chaco Roads Project Steering Committee. It contains correspondence, agendas, meeting notes, participant lists, research proposal submission and comments.

*SUBSERIES C: AERIAL PHOTOINTERPRETATION DATA, 1980-1982 (bulk dates: 1981)*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The subseries arrangement is chronological.

This subseries consists of the photointerpretation and photo analysis of potential prehistoric roads connecting Anasazi communities in the southern San Juan Basin and Red Mesa Valley with Chaco Canyon. The comparison of Soil Conservation Service (SCS) 1930s and BLM Agricultural Resource Service (ARS) 1973 aerial photography provided data for ground-truthing investigation of sites and road segments. The subseries contains photointerpretation forms, annotated aerials and maps, information sheets, and indices.

The subseries does not contain the 1981 low sun angle aerials commissioned by the project. The Earth Data Analysis Center (EDAC) at the University of New Mexico, Thomas R. Mann and Associates Collection should be queried.

*SUBSERIES D: ROADS AND SITES DATA, 1971-1982 (bulk dates: 1981)*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The subseries arrangement is topical and chronological within. Early field work sites information, ground observations by survey unit and roads, and summary datasets including ceramics are the topical sections.

This subseries documents the ground investigation and field work associated with sites and roads



This subseries documents the ground investigation and field work associated with sites and road segments initially located via photointerpretation. The ground verification and observations provided a set of recognition criteria, sites identification, and basis for analysis of surface ceramics and lithics.

*SUBSERIES E: SUBSURFACE PROFILE DATA, 1981*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

No arrangement needed.

This subseries documents the trenching performed during the project's work in the field. The subsurface profile testing consists of notes, sketches, and a preliminary report.

*SUBSERIES F: PRIOR RESEARCH PAPERS AND FIELD STUDIES, 1972-1981*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The subseries is arranged chronologically.

This subseries provides a compilation of previous field research and theoretical road studies for use in the development of the project's techniques allowing identification of roads from both the aerial and ground perspective, as well as providing information on potential roads and associated sites and features. The subseries consists of studies, analyses, proposals, reports, notes, and articles.

*SUBSERIES G: ROADS AND SITES PHOTOGRAPHY, 1980-1983*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The arrangement is chronological.

This subseries contains photography associated with the BLM Chaco Roads Project road segments and sites captured via a flyover in a fixed wing airplane, additionally the images document the Zuni

Salt Lake Trail, the project team members, and numerous images used in the Phase I publication.

*SUBSERIES H: AERIAL PHOTOGRAPHY, 1973-1981*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The subseries is arranged chronologically, starting with 1930s Soil Conservation Service (SCS) annotated in 1981, followed by 1973 BLM Agricultural Research Service (ARS) some of which were also annotated in 1981.

This subseries consists mostly of 1930s Soil Conservation Service (SCS) annotated aerial prints and BLM Agricultural Research Service (ARS) aerial prints, some of which were annotated during the project. Both sets of aerial prints were used during the photointerpretation process.

*SUBSERIES I: AUDIOVISUAL RECORDINGS, circa 1982*

No arrangement required.

This subseries contains video recordings generated by the CRP team. The recordings consist of a final production, Prehistoric Chacoan Roads narrated by Chris Kincaid, and five recordings of Chaco roads source materials in support of the final production. These are mostly aerial views and flyover views of potential roads and associated sites.

The six U-Matic cassette tapes are slated for digitization in 2024.

*SUBSERIES J: MAPS AND DRAWINGS, 1981-1982*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The arrangement is chronological.

This subseries documents the Chaco Roads Project through maps, drawings, and sketches. The project worked with potential prehistoric roads and associated sites through use of New Mexico quadrangle topographic maps, site drawings, and sketches. The topo maps consisting of 15' and 7.5' quads are accompanied by maylar overlays noting gathered information on road segments.

*SERIES II: BLM CHACO ROADS PROJECT (CRP)- PHASE II, 1978-1987 (bulk dates: 1981-1986)*

Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The series consists of 4 subseries:

SUBSERIES A: Correspondence and Notes; SUBSERIES B: Sites, Features, and Roads Data; SUBSERIES C: Roads, Features, and Aerial Photography; SUBSERIES D: Maps and Drawings

This series documents further research on potential prehistoric roads and related architecture through a refocusing of the initial project mission as noted in the correspondence and notes of this series. Additionally, Phase II produced sites, features, and roads ground observation data, drawings, and maps; and aerial and fixed wing flight images of potential roads. Including, 1982 low sun angle flight aerial film negatives of the southeastern portion of the project.

#### *SUBSERIES A: CORRESPONDENCE AND NOTES, 1981-1987*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The subseries arrangement is chronological.

This subseries documents the administrative record and operations associated with PHASE II of the project. It contains correspondence, notes, and research materials.

#### *SUBSERIES B: SITES, FEATURES, AND ROADS DATA, 1982-1986*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The subseries arrangement is chronological and therein alphabetical.

This subseries documents the groundwork, aerial reconnaissance, and photointerpretation associated with Phase II of the project, in particular road architecture features such as herraduras and elevated shrines. It contains field notes and maps, ceramic counts, summary dataset printouts, data forms, site descriptions, images, maps, and sketches.

*SUBSERIES C: ROADS, FEATURES, AND AERIAL PHOTOGRAPHY, 1978-1987*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The subseries arrangement is by media type and therein chronological.

This subseries documents the groundwork and aerial reconnaissance associated with Phase II of the project, in particular road architecture features such as herraduras, as well as outlier features. It contains photographic prints, negatives, slides and aerials.

The prints, negatives, and slides are in one binder box (0.5 LF), and the 4 canisters of aerographic film negatives are in a storage banker box (1.0 LF).

The film negatives are slated for digitization, possibly in 2024.

*SUBSERIES D: MAPS AND DRAWINGS, 1982-1983*

The Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The subseries arrangement is chronological.

This subseries documents the groundwork and aerial reconnaissance associated with Phase II of the project through maps and drawings of the project area sites and roads.

*SERIES III: BLM CHACO ROADS PROJECT (CRP) REPORTS AND PAPERS, 1982-1987*

Bureau of Land Management (BLM) Chaco Roads Project was developed and funded by the BLM in response to management needs, primarily the recognition of the importance of Chacoan prehistoric roads and the need to develop an effective management program for them considering oil and gas development in the San Juan Basin. The project, in two phases, added to the general body of knowledge of Chacoan prehistoric roads, interpreted sites, and provided essential information for the management of a multi-use area and its development.

The arrangement is chronological.

This series documents the findings of the project through Phase I and Phase II reports, as well as papers presented at conference.

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## ***FILE UNIT DESCRIPTIONS***

*SERIES I: BLM CHACO ROADS PROJECT (CRP)- PHASE I, 1971-1983 (bulk dates: 1981-1982)*

*SUBSERIES A: ADMINISTRATIVE FILES, 1980-1983*

- 001. Early Chaco Roads Project (CRP) Planning and Organization Outlines and Correspondence, 1980**
- 002. Project Draft Proposal, Outline Notes, Agenda, and Presentation Transparencies, 1980-1983**
- 003. San Juan Aerial Photography Controls Statement of Work, Contracts, Photogrammetry Maps and Notes, and Correspondence, 1980**
- 004. Project Prints Acquisition Requisition Forms, and Correspondences, 1980-1981**
- 005. Requisition Forms and Quotes for Thomas Mann Associates Low Sun Angle Aerial Photographic Flight, 1981**
- 006. Project XYZ Coordinate for Low Sun Angle Aerial Photography Specifications and Requisitions, 1981**
- 007. To Memorandum of Understanding (MOU) and Interagency Agreement for Pintado Trenches, 1981**
- 008. Subsurface Testing-Trenching Correspondence, 1981**
- 009. Tribal and United States Forest Service (USFS) Permits and Correspondence, 1981**
- 010. Laboratory of Anthropology Curation Correspondence, 1981**
- 011. Fred Nials Procurement File - RFP Consulting Services Request, Contracting, Work Scope, and Payment Invoices and Correspondences, 1981-1982**
- 012. Fred Nials Procurement File - Kincaid Contractor Notes, 1981**
- 013. Gwinn Vivian Procurement File Fiscal Year 1981 - Consulting Contract Correspondences, 1981**
- 014. Gwinn Vivian Procurement File Fiscal Year 1981 - Consulting Services Request, Contracting, Work Scope, Payment Invoices and Correspondence, 1981-1982**

015. **Gwinn Vivian Procurement File Fiscal Year 1981 - Final Report and Correspondence, 1982**
016. **Gwinn Vivian Procurement File Fiscal Year 1982 - Correspondence, 1982**
017. **Gwinn Vivian Procurement File Fiscal Year 1982 - RFP Consulting Services, Proposal and Contract, 1981-1982**

*SUBSERIES B: CRP PROPOSAL AND COMMITTEE REVIEW FILES, 1980-1982*

018. **Chaco Roads Project (CRP) Steering Committee Participant List, Agenda, Meeting Notes, and Correspondences, 1980-1982**
019. **Chaco Roads Project (CRP) Steering Committee Research Proposal Peer Review Correspondence and Meeting Notes, 1981**
020. **Chaco Roads Project (CRP) Peer Review Committee Members List, Correspondence, and Comments, 1981-1982**

*SUBSERIES C: AERIAL PHOTOINTERPRETATION DATA, 1980-1982 (bulk dates: 1981)*

021. **1929 Lindbergh Photo Reproductions and Correspondence, 1980**
022. **Mapping of Linearities from 1930s Aerial Photography for Bisti-Star Lake Coal Lease Area, San Juan Basin New Mexico Report and Commentary, 1981 May**
023. **Nort Road - North of Pierre's Site to Kutz Canyon Photo Interpretation Forms, 1981 May-June**
024. **North Road - From Kin Indian to Pierre's - Photo Interpretation Forms, 1981 June**
025. **North Road - South of Kin Indian to Alto - Photo Interpretation Forms, 1981 June**
026. **Chacra Face Road - Photo Interpretation Forms and Annotated Maps, 1981 July**
027. **Pintado to Chaco Mesa South Road - Photo Interpretation Forms, 1981 June**
028. **Bis sa'ani to Gallo - Photo Interpretation Forms, 1981 July**
029. **Bis sa'ani North - Photo Interpretation Forms, 1981 July**
030. **Pintado to Head of Chaco Canyon - Photo Interpretation Forms, 1981 June**

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031. Blanco to Ah-shi-sle-pah - Photo Interpretation Forms, 1981 July
  032. Kin Bineola to South Gap - Photo Interpretation Forms, 1981 June-July
  033. Bis sa'anii to Wijiji - Photo Interpretation Forms, 1981 July
  034. Casa del Rio to Lake Valley Photo Interpretation Forms, 1981 June
  035. Kin Klizhin to South Gap Photo Interpretation Forms, 1981 June-July
  036. Kin Bineola to Kin Klizhin Photo Interpretation Forms, 1981 June
  037. Allentown and Andrews Ranch Photo Interpretation Forms and Topographic Maps Reproductions, 1981 October
  038. Bee Burrow and Bis sa'ani Topographic Map Reproductions, 1981
  039. Casa del Rio, Coolidge, and Crumbled House Photo Interpretation Forms and Topographic Map Reproductions, 1981 June and October
  040. Dalton Pass Photo Interpretation Forms and Topographic Map Reproductions, 1981 November
  041. Great Bend, Grey Hill Springs, and Guadalupe Photo Interpretation Forms and Topographic Map Reproductions, 1981 November
  042. Halfway House, Haystack and Hogback Photo Interpretation Forms and Topographic Map Reproductions, 1981 December
  043. Indian Creek and Jacques Topographic Map Reproductions, 1981
  044. Las Ventanas and Lake Valley Topographic Map Reproductions, 1981
  045. Morris 41, Muddy Water, and Newcomb Topographic Map Reproductions and Information Sheets, 1981
  046. Peach Springs Topographic Map Reproductions, and Pierre's Ruin 1973-1980 Annotated Aerial Prints, 1981
  047. Raton Well, San Mateo, and Sanostee Topographic Map Reproductions and Information Sheets, 1981
  048. Section 8, Skunk Springs, Squaw Springs, and Standing Rock Topographic Map Reproductions, 1981
  049. Twin Angel Annotated Aerial Prints and Topographic Map Reproduction, and Toh-la-kai Topo Map Reproduction and Information Sheet, circa 1981

- 050. Whirlwind Lake Photo Interpretation Forms and Topographic Map Reproduction, and Upper Kin Klizhin Topographic Map Reproduction, 1981 November**
- 051. South Gap - Kin Klizhin to Kin Bineola Excerpt from Margaret Obenauf Thesis - Chacoan Roadway System, 1980 May**
- 052. Greenlee 1973 Aerial Prints, Topographic Map Reproduction, and Information Sheet, 1981**
- 053. Casamero, Andrews Ranch, Allentown, and Great Bend - Photo Interpretation Form, Annotated Aerials, and Annotated Topographic Map, 1981**
- 054. Chacra Face Road Photo Interpretation Forms with Aerial Photocopies, and Preliminary Report Seismic Line #6 (annotated), 1980-1981**
- 055. South Gap - Kin Klizhin Photo Interpretation Forms and Annotated Aerial Prints, 1981**
- 056. Kin Bineola to Chaco, Kin Bineola to Kin Klizhin, Kin Klizhin to South Gap - Annotated 1973 Aerial Prints and Photo Interpretation Forms, 1981**
- 057. East Road - Pueblo Pintado to Chaco Pueblo Pintado to Chacra Photo Interpretation Forms with Photocopied Aerial Prints, 1981 June**
- 058. Whirlwind House, Coolidge, Grey Hill Spring, Hogback, and Morris 41 Annotated 1973, Aerial Prints, Photo Interpretation Forms, and Annotated Topographic Maps, 1981-1982**
- 059. Soil Conservation Service (SCS) Aerial Photo Index - Quadrangle 124 - Grids, 1981**
- 060. Soil Conservation Service (SCS) Aerial Photo Index Grid for Casa del Rio to Lake Valley, 1981**
- 061. Soil Conservation Service (SCS) to Agricultural Resource Service (ARS) Aerial Photo Conversion Chart by Road and Universal Transverse Mercators (UTMs) by Road, circa 1981**
- 062. Bureau of Land Management (BLM) - Agricultural Resource Service (ARS) Aerial Photo Grid for Southeast Road, circa 1981**
- 063. Available Aerial Photography of the San Juan Basin - Table, 1982**



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- 064. 29 MC 100's Site Forms - Chaco North and Other Sites Data, circa 1970**
  - 065. 29SJ 100's - 800's Site Forms - Chaco North and Other Sites Data, 1971-1975**
  - 066. 29SJ 1000's-1500's Site Forms - Chaco North and Other Sites Data, 1972-1974**
  - 067. 29SJ 1700's and 1900's Site Forms - Chaco North and Other Sites Data, 1972**
  - 068. 29SJ 2100's Site Forms - Chaco North and Other Sites Data, 1974**
  - 069. Chaco Canyon Vicinity Possible Road Associated Sites Compilation Notes by Joan Mathien, circa 1980**
  - 070. Phase I Project Surface Observation Notes, 1981 May-July**
  - 071. Survey Unit 5 - North Road - Site Data Forms and Field Collecting Tally Sheet (mostly ceramics), 1981 November**
  - 072. Survey Unit 6 - North Road - Site, Survey, and Segment Data Forms, Maps, and Ceramics Tally Sheets, 1981**
  - 073. Survey Unit 7 - North Road - Site, Survey, and Segment Data Forms, Drawings, Notes, and Ceramics Tally Sheets, 1981**
  - 074. Survey Unit 8 - North Road - Site and Survey Data Forms, and Ceramics Tally Sheets, 1981**
  - 075. Survey Unit 9 - Site Data Form and Check List, circa 1981**
  - 076. Survey Unit 10 - North Road - Site and Survey Data Forms and Field Collecting Tally Sheets (mostly ceramics), 1981 November**
  - 077. Survey Unit 11 - Survey Data Form and Lithics Tally Sheet, 1981 November**
  - 078. Survey Unit 12 - North Road - Site and Survey Data Forms and Field Collecting Tally Sheets, 1981**
  - 079. Survey Unit 13 - Survey and Site Data Forms, Field Collecting Tally Sheets, 1981 November**
  - 080. Survey Unit 14 - North Road - Site and Survey Data Forms, and Field Collecting Tally Sheets, 1981**

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- 081. Survey Unit 15 - North Road - Survey Data Form, Drawing, and Ceramics Tally Sheet, 1981**
  - 081a. Survey Unit 16 - North Road - Survey Data Form, Site Data Form, and Drawing, 1981 Oct.**
  - 082. Survey Unit 17 - North Road - Segment and Site Data Forms and Field Collecting Tally Sheets, 1981**
  - 082a. Survey Unit 18 - North Road - Segment and Site Data Forms, Notes, and Drawing, 1981**
  - 083. Survey unit 19 (Pierre's) - North Road - Site and Segment Data Forms, and Ceramics Tally Sheets, 1981**
  - 084. Penasco Ah-shi-sle-pah Trash, Lithics, and Ceramics Tallies, 1981**
  - 085. Kin Indian Ruins Sherd Count, Site Drawings, and Handwritten Nomination Form, 1981**
  - 086. Material Culture Summary Forms and Site Data Forms by LA Number, 1981**
  - 087. 1971 Chaco Roads Field Specimen Sheets - Notes Compiled by Gwinn Vivian, 1981**
  - 088. Chaco North Road 1967 Field Notes, 1971 Road Data and General Features Forms, and Color Annotated Alto Road Map - Compiled by Gwinn Vivian, 1981**
  - 089. Hungo Pavi, Bineola, R13N, Cly R4N, Penasco Blanco 1960s Field Notes, 1971 Road Data and General Feature Forms, and Map - Compiled by Gwinn Vivian, 1981**
  - 090. Pintado Road 1960s Field Notes, 1971 Road Data and General Feature Forms, and Contour Map - Compiled by Gwinn Vivian, 1981**
  - 091. R.G. Vivian Notes - 1971 Rinconada Road Field Notes and General Feature Forms, 1981**
  - 092. R.G. Vivian Notes - Camino de los Aguages, Blanco to Ah-Shi-Sle-Pah 1967 Field Notes, and 1971 General Feature Forms, 1981**
  - 093. Kin Bineola to Chaco, Casa del Rio to Lake Valley, Pintado to Chaco, and North Road Site Data and Feature Form Data, 1981**

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094. **Penasco Ah-shi-sle-pah Material Culture (Site Data Forms) and Final Site Data Forms, 1981**
  095. **Zuni Salt Lake Trail Reconnaissance Notes, Site Survey Forms, Aerials, Topographic Maps, and Photographs, 1981**
  096. **Chaco - Bis sa'ani Site Forms and Drawings, 1981**
  097. **South Road Final Site Forms and Notes, 1981-1982**
  098. **South Road Lithics and Ceramics Tallies, 1981-1982**
  099. **South Road and Penasco Blanco to Ah-shi-sle-pah Road Visible Segment Forms, 1981-1982**
  100. **Annotated 1973 National Parks Service (NPS) Road Survey Road Data Forms for South Road, Kin Ya'a, Penasco Blanco to Ah-she-sle-pah, Pueblo Pintada and Chetro Ketl, circa 1981**
  101. **Annotated 1973 National Parks Service (NPS) Road Survey Data Forms - Unusable, circa 1981**
  102. **Annotated 1973 National Parks Service (NPS) Road Survey Data Forms for T20N, R10W and R9W, and T21N, R10W by Numbered Road, circa 1981**
  103. **Annotated National Parks Service (NPS) Road Survey Road Data Form for T21N, R11W and T22N, R10W by Numbered Road Segment, circa 1981**
  104. **Chaco North - 1975 SJ29 2000s Site Forms (Kin Indian), 1981**
  105. **Phase I - Final Site Description Forms, circa 1981**
  106. **Como Huevo Site Description and Map, 1981**
  107. **Casa del Rio Herradura Site Description, Feature Form, and Site Map, 1981**
  108. **Yellow Point Herradura Site Description, Feature Form, and Site Map, 1981**
  109. **Lake Valley Herradura Site Description, Feature Form, and Site Map, 1981**
  110. **Herradura de los Piedras - South Road - Site Drawings, 1981**
  111. **Shrine Notes and Correspondences - Tom Windes, 1982**

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112. **Notes on Pyro Communication - Chacoan Interaction Sphere (C.R. Morrison), 1982**
  113. **Casa del Rio Road Segment Field Notes (M. Marshall), 1982**
  114. **Visible Segment and Ceramic Pile Data Sets, and Site Group Breakdown by Roads Tables, 1982**
  115. **Final Format Definitions and Physical Characteristics Data Sets Computer Printouts, 1982 May**
  116. **Final Proximity Data Prehistoric Sites, and Final Listing of Sites by Functional Groups Data Sets Computer Printouts, 1982 May**
  117. **Final Ceramic Assemblage by Site Data Set Printout, 1982 May**
  118. **Ceramic Assemblage Interregional vs. Local by Function and by Road Data Sets Computer Printouts, 1982 May**
  119. **Ceramic Assemblage Utility vs. Decoration by Road and by Function Data Sets Computer Printouts, 1982 May**
  120. **Ceramic Assemblage Composition by Site Data Sets Computer Printouts, 1982 May**
  121. **Ceramic Assemblage Composition by Function and by Roads Data Sets Computer Printouts, 1982 May**
  122. **Chaco North Road - 1975 Ceramics Analysis and Correspondence, 1982 May**
  123. **Ceramics Comparison of Dates by Site and by Technique Data Sets Computer Printouts, 1982 June**
  124. **Ceramic Mean Dating by Site Data Set Computer Printout, 1982 June**
  125. **Ceramics Weighted Mean Dating by Site Data Set Computer Printouts, 1982 June**
  126. **Final Date by Function Data Set Computer Printout, 1982 June**
  127. **Final Date by Road Data Set Computer Printout, 1982 June**
  128. **Final Date by Road by Function Data Set Printout, 1982 June**
  129. **Site Dating Summary Data Set Printout, 1982 June**

*SUBSERIES E: SUBSURFACE PROFILE DATA, 1981*

130. **Sub-Surface Testing Program Report, Trenching Notes and Sketches, circa 1981**
131. **Bis sa'ani Trench notes (M. Marshall), 1981**

*SUBSERIES F: PRIOR RESEARCH PAPERS AND FIELD STUDIES, 1972-1981*

132. **Previous Research and Related Topics Reading List and Bibliographies, no date**
133. **Remote Sensing Methodology and Chaco Canyon Prehistoric Road Systems Paper (G. Gumerman, J. Ware) and Pueblo Alto Road System Map and Profiles, 1972**
134. **Alto, Blanco, Pintado, Chetro Ketl, and Kin Ya'a Field Check Notes (T. Lyons et al.), 1972**
135. **Barter, Gift, or Violence: An Analysis of Tewa Intertribal Exchange Paper (R. Ford), 1972**
136. **Remote Sensing Project Research Design Proposal, 1973**
137. **Results of Chaco Center Chaco Roads Survey (J. Ebert), 1973**
138. **Archaeological Research Strategies: The Chaco Canyon Road Survey (R. Hitchcock), Notes and Comments, 1973-1976**
139. **Pre-Columbian Roadways in the Chaco Canyon Region (G. Vivian and R. Buettner, SAA 37th Annual Meeting) - Paper, 1973**
140. **Chetro Ketl and Alto Moisture Density Reading (R. Loose), 1973**
141. **Shrine Hunting Expeditions Notes (T. Windes), 1973-1975**
142. **Remote Sensing Project 1973 - Interim Report, 1974 January**
143. **Pueblo Myth and Narrative: A Key to Prehistoric Technology - Paper (R. Loose), 1974**
144. **Alto Trenches Log and Feature Notes, and Chetro Ketl Excavations Log, and Penasco Blanco Excavation Log (R. Loose), 1974**
145. **Pierre Morenon Ceramics Find Analysis by H. Franklin (North Road), 1975**

146. **Pre-Spanish Pueblos in New Mexico (D. Fliedner), from Annals of the Association of American Geographers, 1975**
147. **Correlation of Indicator Plants and Archaeological Sites, Chaco Canyon - Final Report (R. Young and L. Potter), 1975**
148. **Analysis of Abandoned Settlements by a New Phosphate Field Test Method (W. Woods) - Paper, 1975**
149. **Flare Up Sites Notes by T. Windes, 1975, 1977**
150. **Prehispanic Site and Road Hierarchies in the Area Around La Quemada Ruins, Zacatecas, Mexico - Paper (C. Trombold) (40th Society for American Archaeology (SAA) - Dallas), 1975**
151. **Anasazi Population Estimates with the Aid of Data Derived from Aerial Photogrammetric Maps - Paper (D. Drager), 1976**
152. **The Role of Remote Sensing in a Regional Archaeological Research Design: A Case Study (R. Hitchcock, T. Lyons), 1976**
153. **Remote Sensing Methodology and the Chaco Canyon Prehistoric Road System - Paper with Notes (T. Lyons, R. Hitchcock), and Remote Sensing Interpretation of an Anasazi Land Route System - Paper (same authors), 1977**
154. **A View of the Chacoan Phenomena from the, 1977**
155. **South Road Survey Notes by R. Powers, 1977**
156. **The Prehistoric Chacoan Roadway System in the Area of Pueblo Pintado - Paper (A. Ireland), 1978**
157. **Archaeological Investigations in the Chaco Canyon Vicinity - Paper (D. Brethauer), 1978**
158. **Alto Maps and Notes by T. Windes and W. Toll, 1978**
159. **Roads Research Notes by G. Obenauf and A. Ireland, 1978-1979**
160. **National Parks Service (NPS) Chacoan Roads Survey Notes by M.C. Randall, 1979**
161. **List of Reports on Ceramics of Salmon Ruins (LA8846), 1979**

162. **The Condition of 50 Anasazi Ruins in Northwest New Mexico, Eastern Arizona, and Portions of Southern Colorado - Paper (J. Stein), and Correspondence Re: Anasazi Ruins Stratification, 1979**
163. **Lithics Analysis and No Collections - Paper (p. Grigg), 1979**
164. **Chacoan Roads: Anasazi Interaction in the 11th and 12th Century Research Proposal (B. Robertson), 1980**
165. **Remote Sensing in Archaeological, Cultural Resources Treatment and Anthropology: The USA in 1979 - Article in Aerial Archaeology (J. Ebert and T. Lyons), 1980**
166. **Excavations at Pierre's Site 27 - Report (T. Windes), 1980**
167. **Locational Modelling in the Analysis of the Prehistoric Roadway System at and Around Chaco Canyon - Paper (J. Ebert and R. Hitchcock), 1980**
168. **Research and Development in the Stone Age: Technological Transitions Among Hunter-Gatherers - Article (B. Hayden), 1981**
169. **Materialist Approaches in Prehistory - Article (P.L. Kohl), 1981**
170. **Non-Utilitarian Items of a Chaco Anasazi: Social and Economic Implications - Paper (F.J. Mathien), 1981**
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172. **Draft - Archaeological Survey of Chaco Canyon (working title), 1981**

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173. **Fixed Wing Flyover Sites and Roads Prints, Contact Sheet and Negatives 1 of 4, 1980 July**
174. **Fixed Wing Flyover Sites and Roads Prints, Contact Sheet and Negatives 2 of 4, 1980 July**
175. **Fixed Wing Flyover Sites and Road Prints, Contact Sheet and Negatives 3 of 4, 1980 July**
176. **Fixed Wing Fixed Wing Flyover Sites and Road - Chaco Outlier - Prints, Contact Sheet and Negatives 4 of 4, 1980 July**

177. **Zuni Salt Lake Trail Reconnaissance - Photos, Aerials, and Topographic Maps, 1981**
178. **Bureau of Land Management (BLM) Chaco Roads Project (CRP) - Phase I Trenching Crew Photo Prints, 1981**
179. **1980 Images Annotated for Publication, circa 1982**
180. **Photographs Use for Phase I Publication, circa 1983**
181. **Jon Miller's Stairway Photo Prints, no date**

*SUBSERIES H: AERIAL PHOTOGRAPHY, 1973-1981*

182. **Soil Conservation Services Aerial Photos Index, Mylar Overlay on Unites States Geological Survey (USGS) New Mexico Quads Map, 1981**
183. **1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 2 - Chimney Rock, 1981**
184. **1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 3 - Heifer Point, Purgatory Canyon, Waterflow, Youngs Lake, 1981**
185. **1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 4 - La Plata, Adobe Downs Ranch, Farmington North, Flora Vista, 1981**
186. **1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 5 - Aztec, 1981**
187. **1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 6 - Navajo Dam, Burnt Mesa, Pine River, 1981**
188. **1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 7 - Blancos Mesa Northwest, Blancos Mesa, Gomez Ranch, Espinosa Ranch, 1981**
189. **1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 9 - Lumberton, 1981**
190. **1930s Soil Conservation Aerials (SCS) Annotated Aerial Prints - Topographic Quad Map 13 - Pinabetoso Peaks, La Segita Peaks Northeast, La Segita Peaks, Cerro de la Olla, 1981**
191. **1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 30 - Gould Pass, 1981**



192. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 31 - Fourmile Canyon, Gobernador, Santos Peak, Vigas Canyon, 1981
193. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 33 - Boulder Lake, 1981
194. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 32 - Leandro Canyon, Cement Lake, Pine Lake, Leavry Canyon, 1981
195. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 37 - Tres Piedras, Tres Piedras Northeast, Petaca Peak, Cerro de los Taoses, 1981
196. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 51 - The Pillar Northwest, The Pillar, Burnham Trading Post, Bitsi Trading Post, 1981
197. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 52 - Moncisco Wash, Carson Trading Post, Alamo Mesa West, Alamo Mesa East, 1981
198. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 53 - Part I - Huerfano Trading Post, Huerfano Trading Post Northwest, Huerfano Trading Post Southwest, Blanco Trading Post, 1981
199. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 53 - Part II - Huerfano Trading Post, Huerfano Trading Post Northwest, Huerfano Trading Post Southwest, Blanco Trading Post, 1981
200. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 54 - Part I - Nageezi, 1981
201. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 54 - Part II - Nageezi, 1981
202. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 55 - Part I - Gonzales Mesa, Lapis Point, Tafoya Canyon, Otero Store, 1981
203. 1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 55 - Part II - Gonzales Mesa, Lapis Point, Tafoya Canyon, Otero Store, 1981

204. **1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 56 - Schnitz Ranch, Ojito, Billy Rice Canyon, Lindrith, 1981**
205. **1930s Soil Conservation Service (SCS) Annotated Aerial Prints - Topographic Quad Map 75 - The Pillars (NW, NE, SW, SE), 1981**
206. **1930s Soil Conservation Service (SCS) Aerial Frames Indices (no corresponding aerial images), no date**
207. **Soil Conservation Service (SCS) 1936 Arizona Outliers Annotated Aerial Prints, ca. 1981**
208. **BLM Agricultural Research Service (ARS) Aerial Color Prints - Flight Line #1 - Frames 1-30, 33-36, 1973 October 3**
209. **BLM Agricultural Research Service (ARS) Aerial Color Prints - Flight Line #2 - Frames 1-6, 8-39, 1973 October 4 and 25**
210. **BLM Agricultural Research Service (ARS) Aerial Color Prints - Holmes Group Annotated ca. 1981 - Flight Line #3 - Frames 1-41, 9A-16A, 1973 October 4 and 25**
211. **BLM Agricultural Research Service (ARS) Aerial Color Prints - Flight Line #4 - Frames 1-58, 1973 October 7 and 25**
212. **BLM Agricultural Research Service (ARS) Aerial Color Prints - Aztec Annotated ca. 1981 - Flight Line #5 - Frames 1-51, 1973 October 25 and November 29**
213. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #6 - Frames 1-47, 1973 October 13 and November 29**
214. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #7 - Frames 1-48, 1973 October 13 and November 29**
215. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #8 - Frames 1-44, 1973 October 13**
216. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #9 - Frames 1-36, 1973 October 13**
217. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #10 - Frames 1-39, 1973 October 13 and 25**

218. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #11 - Frames 1-35, 1973 October 3**
219. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #12 - Frames 1-35, 1973 October 3**
220. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #13 - Frames 1-32, 1973 October 3**
221. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #14 - Frames 1-34, 1973 October 13**
222. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #15 - Frames 1-33, 1973 October 13**
223. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #16 - Frames 1-32, 1973 October 13**
224. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #17 - Frames 1-32, 1973 October 13**
225. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - North Road Annotated ca. 1981 - Flight Line #18 - Frames 1-24, 28-33, 1973 October 2 and 25**
226. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 - Flight Line #19 - Frames 1-37, 1973 October 2 and 25**
227. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 -North Road - Flight Line #20 - Frames 1-21, 24-32, 1973 October 2**
228. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Gallo Wash, Bis sa'ani North Road, Poco Road, Lake Valley, Casa del Rio, Penasco, West Roads Annotated ca. 1981 - Flight Line #21 - Frames 1-35, 1973 October 2**
229. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Bis sa'ani to Chaco, Kin Klizhin, South Gap, Kin Bineola Annotated ca. 1981 - Flight Line #22 - Frames 1-36, 1973 October 2**
230. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Kin Klizhin to South Gap, Kin Bineola to Kin Klizhin to South Gap, Pintado to Chaco, Vivian East Annotated ca. 1981 - Flight Line #23 - Frames 1-20, 27-36, 1973 October 2**

231. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Chacra Mesa, Pueblo Pintado to Chaco Mesa South, Star Lake Tract, South Road Annotated ca. 1981 - Flight Line #24 - Frames 1-17, 21-25, 1973 October 2**
232. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Johnson Trading Post, Star Lake East, Pintado to Chaco Mesa South Annotated ca. 1981 - Flight Line #25 - Frames 1-18, 20-36, 1973 October 2**
233. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Pueblo Pintado to Chaco Mesa South Annotated ca. 1981 - Flight Line #26 - Frames 1-21, 24-32, 1973 October 1 and 25**
234. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Flight Line #27 - Frames 1-28, 32-40, 1973 October 1**
235. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 - Flight Line #28 - Frames 1-28, 32-38, 1973 October 1**
236. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 - Flight Line #29 - Frames 1-29, 33-38, 1973 October 1**
237. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 - Flight Line #30 - Frames 1-24, 32-60 - Part I, 1973 October 1 and 25**
238. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 - Flight Line #30 - Frames 1-24, 32-60 - Part II, 1973 October 1 and 25**
239. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 - Flight Line #31 - Frames 1-54 - Part I, 1973 October 1 and 25**
240. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 - Flight Line #32 - Frames 1-48 - Part I, 1973 October 1 and 25**
241. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 - Flight Line #32 - Frames 1-48 - Part I, 1973 October 1**

242. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Samson Lake Annotated ca. 1981 - Flight Line #32 - Frames 1-48 - Part II, 1973 October 1**
243. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 - Flight Line #33 - Frames 1-25, 29-50 - Part I, 1973 October 1**
244. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints Some Annotated ca. 1981 - Flight Line #33 - Frames 1-25, 29-50 - Part II, 1973 October 1**
245. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Fort Wingate Annotated ca. 1981 - Flight Line #34 - Frames 1-12, 15-51 - Part I, 1973 September 30 and November 23**
246. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Fort Wingate, Fenced Up Horse Canyon Annotated ca. 1981 - Flight Line #34 - Frames 1-12, 15-51 - Part II, 1973 September 30 and November 23**
247. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints Some Annotated ca. 1981 - Flight Line #35 - Frames 1-13, 16-49, 1973 September 30**
248. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - Flight Line #36 - Frames 1-11, 15-52, 1973 September 30 and November 23**
249. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints Some Annotated ca. 1981 - Flight Line #37 - Frames 2-12, 14-49, 1973 September 30**
250. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - Flight Line #38 - Frames 1-45, 1973 September 29**
251. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Allentown Annotated ca. 1981 - Flight Line #39 - Frames 1-18, 1973 September 29**
252. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - Flight Line #40 - Frames 1-18, 1973 September 29**
253. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - Flight Line #41 - Frames 1-18, 1973 September 29**
254. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - Flight Line #42 - Frames 1-18, 1973 September 29**

255. **BLM-NW-AS 1976 Annotated Aerial Black and White Prints - 1-144 - 1-182, circa 1981**
256. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - Bis sa'ani North Annotated 1973 - Flight Lines #20 - Frames 15-16, #21 - Frames 18-20, circa 1981**
257. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - Bis sa'ani to Gallo to Wijiji Annotated 1973 - Flight Line #22 - Frames 20-22, circa 1981**
258. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Blanco to Ah-shi-sle-pah (Vivian West) Annotated 1973 and T. Mann 1977 - Various Flight Lines, circa 1981**
259. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - Casamero and Andrews Ranch Annotated 1973 - Flight Line #36 - Frames 12-13, circa 1981**
260. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Chacra Mesa - South, Chacra Face Road Annotated 1973 and T. Mann 1977 - Various Flight Lines, circa 1981**
261. **BLM Agricultural Research Service (ARS) Aerial Color Prints - Greenlee Ruins Annotated 1973 - Flight Line #24, Frames 22-23, circa 1981**
262. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - Guadalupe Annotated 1980, circa 1981**
263. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - Kin Bineola to Chaco, Kin Bineola to Kin Klizhin, Kin Klizhin to South Gap Annotated 1973 - Various Flight Lines, circa 1981**
264. **BLM Agricultural Research Service (ARS) Aerial Black and White Prints - North Road Annotated 1973 - Flight Lines #18, 20-19; #19, 21; #20, 21-23; #21; #22, circa 1981**
265. **Koogle and Pouls (K&P) Engineering Aerial Black and White Prints - Pierre's Ruins and Bisti Annotated 1980 - Various Flight Lines, circa 1981**
266. **BLM Agricultural Research Service (ARS) Aerial Color Prints - South Road Annotated 1973 and T. Mann 1977 - Various Flight Lines, circa 1981**
267. **T. Mann Aerial Color Prints - Chaco North and South Road Annotated 1977 - Flight Lines #1-2, 4-7, circa 1981**

268. **T. Mann Aerial Color Prints - South East Road Annotated 1977 - Flight Lines #5-7, circa 1981**
269. **BLM Agricultural Research Service (ARS) Aerial Color Prints - South East Road Annotated 1973 - Flight Lines #24-38, circa 1981**
270. **BLM Agricultural Research Service (ARS) Aerial Color Prints - South Gap to Kin Klizhin Annotated 1973 - Various Flight Lines, circa 1981**
271. **Koogle and Pouls (K&P) Engineering Aerial Black and White Prints - Twin Angels Annotated 1980, circa 1981**
272. **BLM Agricultural Research Service (ARS) Aerial Color and Black and White Prints - Whirlwind House, Coolidge, Grey Hill Springs, Hogback, and Morris 41 Annotated 1973 - Various Flight Lines, circa 1981**
273. **BLM Aerial Color Prints - Zuni Salt Lake Trail Annotated 1976 - Flight Line #7 - Frames 17-28, circa 1981**

*SUBSERIES I: AUDIOVISUAL RECORDINGS, circa 1982*

274. **Prehistoric Chacoan Roads Master Tape, 1982 July**  
Produced by BLM, Albuquerque District Office, Narrated by Chris Kincaid, BLM NMSO
275. **(Pueblo) Pintado and Chaco Canyon (Pueblo) Bonito - Chaco Roads Source Material Tape 1, circa 1982**  
Tape 1 of 5 Chaco Roads Source Material
276. **Alto, South Gap - Chris K. Reading Script - Chaco Roads Source Material Tape 2, circa 1982**  
Tape 2 of 5 Chaco Roads Source Material
277. **Kin Indian; Black Lake Trenches; Pierre's (Ruins); Pin Flags Trenches - Chaco Roads Source Material Tape 3, circa 1982**  
Tape 3 of 5 Chaco Roads Source Material
278. **Gretchen (O.) Aerial Photos - Longswail, Herraduras, Greenlee - Chaco Roads Source Material Tape 4, circa 1982**  
Tape 4 of 5 Chaco Roads Source Material
279. **Kimbeto Point; Coal Seams; Coal Stripmine; Penasco Blanco (Caliche, Rock Count, and Slag Gravel); Los Aguages; Ah-shi-sle-pah; Penasco Blanco to Ah-shi-sle-pah to Vivian Trench Site, Trench 11 (Methodology) - Chaco Roads Source Material Tape 5, circa 1982**  
Tape 5 of 5 Chaco Roads Source Material

*SUBSERIES J: MAPS AND DRAWINGS, 1981-1982*

280. **New Mexico Quadrangles Map Noting Project Quads and Legend, no date**
281. **Bloomfield New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
282. **Gallegos Trading Post New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
283. **Huerfano Trading Post NW New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
284. **Carson Trading Post New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
285. **Huerfano Trading Post SW New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
286. **Alamo Mesa West New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
287. **Alamo Mesa East New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
288. **Bisti Trading Post New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
289. **Kimбето New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
290. **Pueblo Bonito NW New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
291. **Pretty Rock New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
292. **Tanner Lake New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
293. **Sargent Ranch New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
294. **Pueblo Bonito New Mexico Quadrangle Topographic Map With Annotated Overlay Including Low Sun Angle Flight Line #3, circa 1981**



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295. **Kin Klizhin New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
  296. **La Vida Mission New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
  297. **Pueblo Pintado New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
  298. **Seven Lakes NE New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
  299. **Seven Lakes NW New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
  300. **Nose Rock New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
  301. **Milk Lake New Mexico Quadrangle Annotated Topographic Map, circa 1981**
  302. **Becenti Lake New Mexico Quadrangle Topographic Map With Annotated Overlay, circa 1981**
  303. **Whitehorse New Mexico Quadrangle Annotated Topographic Map, circa 1981**
  304. **Whitehorse Ricon New Mexico Quadrangle Annotated Topographic Map, circa 1981**
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