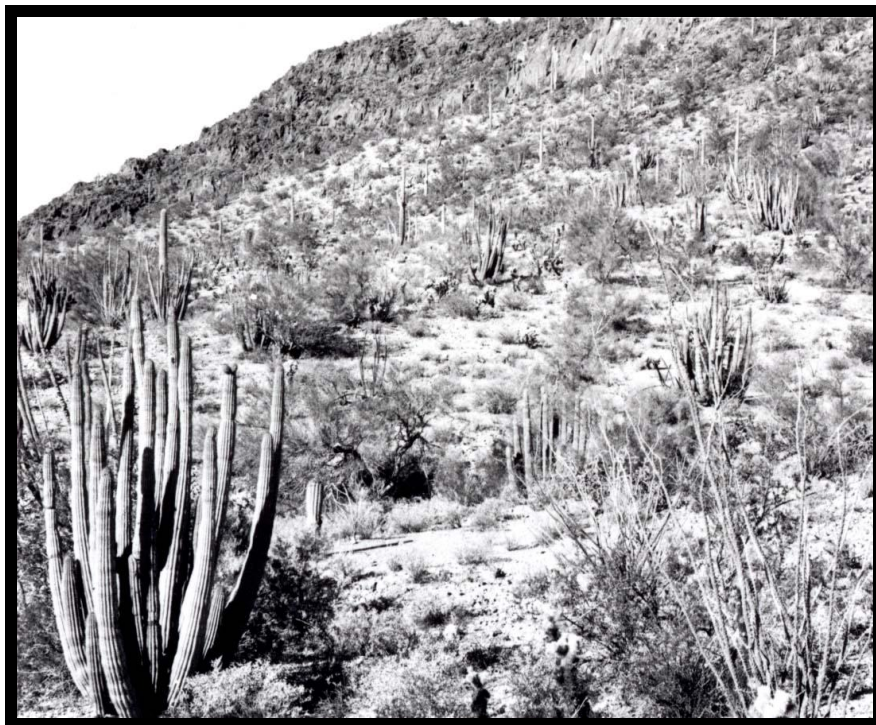




ORGAN PIPE CACTUS NATIONAL MONUMENT

NATURAL RESOURCES RECORDS

FINDING AID



ACC ORPI 445-458
CAT ORPI 15915

Prepared by
National Park Service Intermountain Region
Museum Services Program
Tucson, Arizona

July 2009
Revised April 2010

**Organ Pipe Cactus National Monument
Natural Resources Records
ACC ORPI-00445-458 CAT ORPI 15915**

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Organ Pipe Cactus National Monument

Natural Resources Records

Finding Aid

Description:

This collection contains records associated with research projects, studies, reports, data, park-wide annual inventories and counts, and other documentation that relate to the understanding and interpretation of the Natural Resources of the park.

Copyright:

No copyrighted material is contained in this collection.

Acquisition:

Found in collections at Organ Pipe Cactus National Monument.

Processing:

This collection was processed and cataloged at the Intermountain Region Museum Services Center by Valerie Phillips in July 2009 and Leslie Matthaei in March/April 2010.

Arrangement:

Arranged in 16 series:

- Series 1, Amphibians and Reptiles
- Series 2, Birds
- Series 3, Desert Bighorn Sheep
- Series 4, Ecology
- Series 5, Fisheries and Aquatic Science
- Series 6, Geology
- Series 7, Insects and Invertebrates
- Series 8, Mammals
- Series 9, Plants and Vegetation
- Series 10, Pollution and Environmental Quality
- Series 11, Pupfish
- Series 12, Sensitive Ecosystems Program
- Series 13, Sonoran Pronghorn
- Series 14, Water
- Series 15, Weather and Climate
- Series 16, Wildlife.

Extent:

This collection totals 20 LF.

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SCOPE AND CONTENT

Collection: ORPI 15915

Collection Title: NATURAL RESOURCES RECORDS

Catalog No ORPI 15915

Accession Nos 445-458, 464

Inclusive Dates 1924-2008

Bulk Dates 1960-2000

History

Organ Pipe Cactus National Monument was created as a way to preserve a representative area of the Sonoran Desert. The new monument was part of a movement in the National Parks to protect not just scenic wonders but also the ecological wonders of the country. In 1976, the United Nations designated Organ Pipe Cactus National Monument as an International Biosphere Reserve, reconfirming its status as an outstanding example of the Sonoran Desert. In 1977, Congress declares 95% of Organ Pipe Cactus National Monument as a wilderness area.

This collection contains records that capture and speak to the understanding and interpretation of the Natural Resources of the park. Included in this collection are records associated with research projects, studies, reports, data, park-wide annual inventories and counts, and other related documentation.

Scope

This collection contains correspondence, memorandums, proposals, permits, Investigator's Annual Reports, surveys, counts, reports, checklists, photographs, negatives, and slides related to the study and research of the Natural Resources of the park.

Arrangement

Arranged in 16 series:

- Series 1, Amphibians and Reptiles
- Series 2, Birds
- Series 3, Desert Bighorn Sheep
- Series 4, Ecology
- Series 5, Fisheries and Aquatic Science
- Series 6, Geology
- Series 7, Insects and Invertebrates
- Series 8, Mammals
- Series 9, Plants and Vegetation
- Series 10, Pollution and Environmental Quality
- Series 11, Pupfish
- Series 12, Sensitive Ecosystems Program
- Series 13, Sonoran Pronghorn
- Series 14, Water
- Series 15, Weather and Climate
- Series 16, Wildlife.

Provenance

Found in collections at Organ Pipe Cactus National Monument.

Finding Aid

Created by the Intermountain Region Museum Services Program,
Tucson, AZ, 2010
LVL CTRL, FILE UNIT

Extent

20 LF

SERIES DESCRIPTIONS**Collection/Series:** ORPI 15915/01**Series Title:** AMPHIBIANS AND REPTILES**Accession:** 00445**Catalog Nbr:** ORPI 15915**Inclusive Dates:** 1963-1986**Bulk Dates:** 1979-1986

Scope: This series contains checklists, correspondence, proposals, permits, Investigator's Annual Reports, and reports related to the study and research of amphibians and reptiles.

Arrangement: This series is arranged, when possible, in year order.

Series Nbr: 01
File Unit: 01
Dates: 1963, 1972
Title: CHECKLISTS OF AMPHIBIANS AND REPTILES

Summary Notes:

This file unit contains checklists of amphibians and reptiles:
- Compiled by the interpretive staff with technical assistance from Dr. J.C. McCoy, Carnegie Museum, and Dr. Robert C. Stebbins, University of California, Berkley, 1972
- By Warren F. Steenbergh, Chief Park Naturalist, and Wilton E. Hoy, Park Naturalist, 1963.

Series Nbr: 01
File Unit: 02
Dates: 1979
Title: HORNED LIZARD SURVEY

Summary Notes:

This file unit contains correspondence and a Horned Lizard (Horny Toad) Survey of National Park Service Units.

Series Nbr: 01
File Unit: 03
Dates: 1980-1988
Title: SURVEY OF AMPHIBIANS AND REPTILES

Summary Notes:

This file unit contains correspondence, proposals, and an Investigator's Annual Report for a research project on the Survey of Amphibians and Reptiles by Charles H. Lowe.

Series Nbr: 01
File Unit: 04
Dates: 1982
Title: 50 YEAR HERPETOFAUNA SUMMARY

Summary Notes:

This file unit contains excerpts from "A 50 Year Summary for the Herpetofauna of Organ Pipe Cactus National Monument, Arizona (1932-1982)" prepared by Dr. Charles H. Lowe, University of Arizona, and Dr. R. Roy Johnson.

Series Nbr: 01
File Unit: 05
Dates: 1983-1986
Title: KINOSTERNON AT QUITOBAQUITO

Summary Notes:

This file unit contains correspondence, proposals, certification, permits, Investigator's Annual Reports, and a final report titled "Population Decline of Sonoran Mud Turtles at Quitobaquito Springs," by Philip Rosen, February 19, 1986.

Series Nbr: 01

File Unit: 06

Dates: 1995

Title: DESERT TORTOISE INVENTORY TRANSECT MAP

Summary Notes:

This file unit contains a computer-generated transect map for a desert tortoise inventory from 1995.

Collection/Series: ORPI 15915/02

Series Title: BIRDS

Accession: ORPI-00446

Catalog Nbr: ORPI 15915

Inclusive Dates: 1963-1997

Bulk Dates: 1982-1994

Scope: This series contains checklists, correspondence, proposals, permits, Investigator's Annual Reports, reports, studies, surveys, Christmas bird count data, and a bird banding study related to the study and research of birds.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 02
File Unit: 01
Dates: Unknown
Title: ALPHABETICAL INDEX OF BIRD STUDY SKINS

Summary Notes:

This file unit contains an alphabetical listing of bird study skins in specimen cases.

Series Nbr: 02
File Unit: 02
Dates: 1963-1985
Title: CHECKLISTS OF BIRDS

Summary Notes:

This file unit contains checklists:

- From 1963 by Chief Park Naturalist Warren F. Steenbergh and Park Naturalist Wilton E. Hoy
 - Revised in June 1964 and June 1965
 - Revised in 1968 and 1969 by Richard L. Cunningham
 - Revised in 1969, 1970, and 1971 by park staff
 - From 1978 and 1985 by Southwestern Parks and Monuments Association
 - A bird list of Quitobaquito
 - A "Checklist of the Birds of Organ Pipe Cactus National Monument" by Bryan T. Brown, R. Roy Johnson, and Kathleen Groschupf.
-

Series Nbr: 02
File Unit: 03
Dates: 1978-1982
Title: CHRISTMAS BIRD COUNT

Summary Notes:

This file unit contains correspondence and various data and survey forms for the National Audubon sponsored Christmas bird count.

Series Nbr: 02
File Unit: 04
Dates: 1983
Title: AVIAN USE OF QUITOBAQUITO SPRING OASIS

Summary Notes:

This file unit contains a Cooperative National Park Resources Studies Unit, Technical Report No. 13 titled "Avian Use of Quitobaquito Springs Oasis, Organ Pipe Cactus National Monument, Arizona" by R. Roy Johnson, Bryan T. Brown, and Sharon Goldwasser.

Series Nbr: 02
File Unit: 05
Dates: 1985-1986
Title: BIRD BANDING STUDY

Summary Notes:

This file unit contains a Bird Banding Study by Jane Church, et al.

Series Nbr: 02

File Unit: 06

Dates: 1988-1992

Title: EFFECTS OF VARIATION IN SEASONAL PRECIPITATION ON THE CLUTCH SIZE AND FLEDGLING SUCCESS OF THE GREATER ROADRUNNER, *GEOCOCCYX CALIFORNIANUS*

Summary Notes:

This file unit contains correspondence, proposals, certification, permits, and an Investigator's Annual Report for a research project on the Effects of Variation in Seasonal Precipitation on the Clutch Size and Fledgling Success of the Greater Roadrunner by James W. Cornett.

Series Nbr: 02

File Unit: 07

Dates: 1989-1990

Title: PATTERNS OF USE OF OCOTILLO FLOWERS BY MIGRATORY SONGBIRDS

Summary Notes:

This file unit contains correspondence; an Investigator's Annual Report; a biographical sketch of Richard Hutto; an article titled "Factors Affecting Nest Site Location in Gila Woodpeckers" by Jerome J. Korol and Richard L. Hutto; and an article titled "Distributional Associates of the Saguaro (*Carnegiea Gigantea*)" by Richard L. Hutto, Joseph R. McAuliffe, and Lynee Hogan.

This documentation is associated with a research project on the Pattern of Use of Ocotillo Flowers by Migratory Songbirds by Richard L. Hutto.

Series Nbr: 02

File Unit: 08

Dates: 1990-1992

Title: LUKEVILLE BREEDING BIRD SURVEY

Summary Notes:

This file unit contains correspondence and results of a breeding bird survey for a research project on a Lukeville Breeding Bird Survey by Kathy Groschupf.

Series Nbr: 02

File Unit: 09

Dates: 1992-1993

Title: FERRUGINOUS PYGMY-OWL SURVEYS

Summary Notes:

This file unit contains correspondence and a research project proposal titled "Surveys for the Cactus Ferruginous Pygmy-Owl (*Glaucidium brasilianum cactorum*) in Organ Pipe Cactus National Monument" by Susan J. Sferra and Timothy J. Tibbitts.

Series Nbr: 02
File Unit: 10
Dates: 1993-1994
Title: COWBIRD CONTROL

Summary Notes:

This file unit contains a research proposal titled "Neotropical Migratory Bird Population Management: Parasitic Cowbird (*Molothrus ater* and *M. aeneus*) Removal" by Sarah Allen and Mark Sogge and a document titled "The Cowbird Peril: A Resources Management Problem and an Interpretive Story" by Richard L. Cunningham, Regional Chief of Interpretation, Western Region.

Series Nbr: 02
File Unit: 11
Dates: 1997
Title: MONITORING AVIAN PRODUCTIVITY AND SURVIVORSHIP (MAPS) STATIONS

Summary Notes:

This file unit contains correspondence and permits for a research project on Measuring Avian Productivity and Survivorship (MAPS) by Lee Benson.

Collection/Series: ORPI 15915/03

Series Title: DESERT BIGHORN SHEEP

Accession: ORPI-00447

Catalog Nbr: ORPI 15915

Inclusive Dates: 1956-1988

Bulk Dates: 1956-1976

Scope: This series contains correspondence, permits, reports, research, handwritten notes, studies, Cabeza Prieta waterhole counts, and observation forms related to the study and research of desert bighorn sheep.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 03
File Unit: 01
Dates: 1956
Title: WATER DEVELOPMENT FOR DESERT BIGHORN SHEEP

Summary Notes:

This file unit contains Branch of Wildlife Refuges, Wildlife Management Series, Leaflet No. 14 titled "Water Development for Desert Bighorn Sheep" by Arthur F. Halloran and Oscar V. Deming.

Series Nbr: 03
File Unit: 02
Dates: 1956-1965
Title: BIGHORN OBSERVATION FORMS

Summary Notes:

This file unit contains observation forms for desert bighorns and related notes, and drawings.

Series Nbr: 03
File Unit: 03
Dates: 1962-1976
Title: CABEZA PRIETA WATERHOLE COUNT

Summary Notes:

This file unit contains correspondence, memorandums, narrative reports, activity reports, and waterhole counts for the Cabeza Prieta Game Range.

Series Nbr: 03
File Unit: 04
Dates: 1964
Title: STATUS OF THE BIGHORN SHEEP

Summary Notes:

This file unit contains a paper titled "Status of the Bighorn Sheep in Organ Pipe Cactus National Monument" by H.T. Coss.

Series Nbr: 03
File Unit: 05
Dates: 1983-1988
Title: CABEZA PRIETA BIGHORN SHEEP STUDY

Summary Notes:

This file unit contains correspondence; certifications; a final report titled "Cabeza Prieta Bighorn Sheep Study" by James C. deVos, Jr; a draft interim report titled "Management Study to Determine Population Status of Desert Bighorn Sheep" prepared by Richard R. Remington, January 1988; and capture and movement data from 1986.

This documentation is associated with a research project on the Cabeza Prieta Bighorn Sheep Study by James C. deVos, Jr., Arizona Game and Fish Department.

Collection/Series: ORPI 15915/04

Series Title: ECOLOGY

Accession: ORPI-00448

Catalog Nbr: ORPI 15915

Inclusive Dates: 1971-2008

Bulk Dates: 1984-1987

Scope: This series contains correspondence, permits, reports, handwritten notes, and studies related to the study and research of ecological aspects of the park.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 04
File Unit: 01
Dates: Unknown
Title: ECOLOGICAL PHOTOGRAPHIC BOOK

Summary Notes:

This file unit contains a black and white photographic album book of the habitat of the Sonoran Desert.

Series Nbr: 04
File Unit: 02
Dates: 1971
Title: HUMAN IMPACT ON THE BORDER LANDSCAPE

Summary Notes:

This file unit contains correspondence and a preliminary report on the study of human impact on the living landscape of the United States and Mexico boundary region during the last 100 years by Frederick R. Gehlbach.

Series Nbr: 04
File Unit: 03
Dates: 1975
Title: FOUR-CORNERS PROJECT

Summary Notes:

This file unit contains correspondence and a research proposal on proposed field work for a Four-Corners project to study wildlife and ecosystems in areas that may be subject to disturbance by energy development and operations by Norman J. Scott, Jr., Project Director, National Fish and Wildlife Laboratory.

Series Nbr: 04
File Unit: 04
Dates: 1984-1987
Title: INVESTIGATIONS OF BOUNDARY PROCESSES AT ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains correspondence, Investigator's Annual Reports, a report titled "The Boundary Approach: A Geographic Analysis of Design and Conservation of Nature Reserves" by Christine M. Schonewald-Cox and Jonathan W. Bayless, quarterly reports, and an outline titled "A Comparison of Island and Boundary Effect Paradigms" with maps by Christine Schonewald-Cox.

This documentation is associated with a research project on the Investigations of Boundary Processes by Schonewald-Cox.

Series Nbr: 04
File Unit: 05
Dates: 1985
Title: BOUNDARY MARKER PHOTO SURVEY

Summary Notes:

This file unit contains correspondence for a research project on a Boundary Marker Photo Survey by Robert Humphrey.

Series Nbr: 04
File Unit: 06
Dates: 1986
Title: EVALUATE SENSITIVE HABITATS

Summary Notes:

This file unit contains a proposal; a position paper; meeting minutes; an article titled "A Case for Cooperation;" and research project proposals for Mexican agriculture, invertebrates, herptofauna, and climate monitoring related to the Evaluate Sensitive Habitats project.

Series Nbr: 04
File Unit: 07
Dates: 1987
Title: STUDIES OF BOUNDARY-SPATIAL PROBLEMS FACING NATIONAL PARKS: PHASE I. EXPLORATION AND DEVELOPMENT

Summary Notes:

This file unit contains correspondence; a research proposal titled "Studies of Boundary-Spatial Problems Facing National Parks Phase I, Exploration and Development" by James F. Quinn; and certification for a research project of the same name by Quinn.

Series Nbr: 04
File Unit: 08
Dates: 1994
Title: ENVIRONMENTAL INFORMATION TREATMENT IN SOCIAL SYSTEMS

Summary Notes:

This file unit contains an Investigator's Annual Report, correspondence, notes, certification, a research proposal titled "Environmental Information Treatment in Social Systems: Its Structure and Implementation Regarding the Establishment of Nature Conservation Areas in the U.S. American/Mexican Borderlands of Arizona and Sonora" by Manuela Casselmann for a research project of the same name by Casselmann.

Series Nbr: 04

File Unit: 09

Dates: 1991-2008

Title: ECOLOGICAL MONITORING PROGRAM FIELD DATA

Summary Notes:

This file unit contains Ecological Monitoring Program Field Data forms in the following 5 folders:

Folder 09.1 contains forms for Lizard Line Standard Transects for July-September 1998

Folder 09.2 contains Bat Monitoring Mist Netting Data Sheets for May-June 1997

Folder 09.3 contains forms for Acuna Cactus for 1991-1998

Folder 09.4 contains forms for Nocturnal Rodents from 1991-1995

Folder 09.5 contains forms for Nocturnal Rodents from 2008 and Bull Pasture Trail Transects from 2001.

Series Nbr: 04

File Unit: 10

Dates: 1993, 1997

Title: FISH AND WILDLIFE REPORTS

Summary Notes:

This file unit contains the National Fish and Wildlife Foundation FY93 assessment of the park and the 1996 annual report for activities carried out under the Endangered Species Subpermit PRT-676811 by the United States Fish and Wildlife Service.

Collection/Series: ORPI 15915/05

Series Title: FISHERIES AND AQUATIC SCIENCE

Accession: ORPI-00449

Catalog Nbr: ORPI 15915

Inclusive Dates: 1978-1984

Bulk Dates: 1978-1984

Scope: This series contains Annual Aquatic Resources Reports.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 05

File Unit: 01

Dates: 1978-1984

Title: ANNUAL AQUATIC RESOURCES REPORT

Summary Notes:

This file unit contains Annual Aquatic Resources Reports for 1978-1984.

Collection/Series: ORPI 15915/06

Series Title: GEOLOGY

Accession: ORPI-00451

Catalog Nbr: ORPI 15915

Inclusive Dates: 1924-1992

Bulk Dates: 1970-1989

Scope: This series contains correspondence, proposals, permits, Investigator's Annual Reports, reports, studies, a mine and well survey, a soil survey, data sheets, observation forms, photographs, and negatives for the study and research of geological related topics in the park.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 06
File Unit: 01
Dates: 1924
Title: RECONNAISSANCE GEOLOGIC MAP

Summary Notes:

This file unit contains a narrative report titled "Reconnaissance Geologic Map of the Papago Country, Arizona" by Kirk Bryan. Note: No map is included.

Series Nbr: 06
File Unit: 02
Dates: 1938
Title: GEOLOGICAL REPORT

Summary Notes:

This file unit contains a report titled "Geological Report on Organ Pipe Cactus National Monument" and 2 plates by Charles N. Gould, Regional Geologist, Region III, Report No. 166.

Series Nbr: 06
File Unit: 03
Dates: 1940
Title: MINERALIZATION REPORT

Summary Notes:

This file unit contains a report titled "Mineralization in the Organ Pipe Cactus National Monument, Arizona" including black and white photographs by B.S. Butler, Geologist, United States Geological Survey, and J. Volney Lewis, Regional Geologist, Region Four.

Series Nbr: 06
File Unit: 04
Dates: 1969-1971
Title: ANNUAL SOIL AND MOISTURE CONSERVATION REPORT

Summary Notes:

This file unit contains a soil survey for 1971, Annual Soil and Moisture Conservation Reports for 1969-1971, and a soil survey work plan.

Series Nbr: 06
File Unit: 05
Dates: 1971
Title: CLASSIFICATION AND CORRELATION OF SOILS

Summary Notes:

This file unit contains a report titled "Classification and Correlation of the Soils of the Organ Pipe Cactus National Monument, Arizona" by the Soils Conservation Service, United States Department of Agriculture, December 1971.

Series Nbr: 06
File Unit: 06
Dates: 1972
Title: ROADSIDE GEOLOGY

Summary Notes:

This file unit contains a photocopy of a field draft of "Roadside Geology, Organ Pipe Cactus National Monument" by Charles B. Hunt, Johns Hopkins University, July 1972.

Series Nbr: 06
File Unit: 07
Dates: 1972
Title: SOIL SURVEY

Summary Notes:

This file unit contains "Soil Survey, An Interim Report" by the United States Department of Agriculture, Soil Conservation Service, December 1972.

Series Nbr: 06
File Unit: 08
Dates: 1972
Title: VISITORS' GUIDE TO GEOLOGY

Summary Notes:

This file unit contains a photocopy of a field draft of "Visitors' Guide to the Geology of Organ Pipe Cactus National Monument - A Sonoran Desert Landscape" by Charles B. Hunt, Johns Hopkins University, July 1972.

Series Nbr: 06
File Unit: 09
Dates: 1976-1980
Title: MIDDEN STUDIES

Summary Notes:

This file unit contains correspondence and memorandums regarding radiocarbon dating of a packrat midden.

Series Nbr: 06
File Unit: 10
Dates: 1976-1980
Title: A PHOTOPPOINT SOIL EROSION STUDY OF GILMAN SANDY LOAM IN ORGAN PIPE CACTUS NATIONAL MONUMENT, ARIZONA

Summary Notes:

This file unit contains the following 2 folders:

Folder 10.1 contains correspondence, Investigator's Annual Reports, and a report titled "Surface Water Resources in the Southern Puerto Blanco Mountains, Organ Pipe Cactus National Monument, Arizona" by Terrence Marsh for a research project on a Photopoint Soil Erosion Study of Gilman Sandy Loam by Marsh

Folder 10.2 contains "A Photopoint Soil Erosion Study of Gilman Very Fine Sandy Loam in Organ Pipe Cactus National Monument, Arizona" by Terrence March, August 1981, with associated black and white photographs.

Series Nbr: 06

File Unit: 11

Dates: 1983-1986

Title: FURTHER STUDIES ON THE HOLOCENE DEVELOPMENT OF VEGETATION IN ORGAN PIPE CACTUS NATIONAL MONUMENT AND FOSSIL AND MODERN INSECTS FROM THE AJO MOUNTAINS, ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains correspondence, proposals, certification, financial documentation, permits, and a report for a research project on the further studies on the Holocene development of vegetation in Organ Pipe by Thomas Van Devender.

Series Nbr: 06

File Unit: 12

Dates: 1983

Title: MINE AND WELL SAFETY SURVEY

Summary Notes:

This file unit contains annotated topographic maps and Mine and Well Safety Survey forms for the following mines and wells:

- Folder 12.1 - Baker Mine
- Folder 12.2 - Growler Pass Mine
- Folder 12.3 - Lost Cabin Mine
- Folder 12.4 - Martinez Mine
- Folder 12.5 - Milton Mine
- Folder 12.6 - Acuna Well
- Folder 12.7 - Summaries and photographs
- Folder 12.8 - Related color photographs
- Folder 12.9 - Related color negatives.

Series Nbr: 06

File Unit: 13

Dates: 1983-1984

Title: PALEOMAGNETIC STUDY OF MIOCENE VOLCANIC ROCKS IN ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains correspondence and an Investigator's Annual Report for a research project on the Paleomagnetic Study of Miocene Volcanic Rocks by Monte Marshall.

Series Nbr: 06

File Unit: 14

Dates: 1983-1984

Title: A STUDY OF THE EFFECTS OF CLIMATIC CHANGE, MOUNTAIN RANGE ELEVATION AND DRAINAGE BASIN LITHOLOGY ON THE FORMATION OF ALLUVIAL FANS IN ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains:

- Correspondence and Investigator's Annual Reports
- A Master's Thesis proposal titled "A Study of the Effect of Climatic Change, Mountain Range Elevation, and Drainage Basin Lithology on the Formation of Alluvial Fans in Organ Pipe Cactus National Monument, Arizona" by David T. Simpson
- A thesis titled "Soils and Geomorphology of the Quaternary Alluvial Sequence on the Western Piedmont of the Ajo Mountains, Organ Pipe Cactus National Monument, Pima, Arizona" by David Thomas Simpson, The University of New Mexico
- A preliminary report on a soils and geomorphic study of the Piedmont West of the Ajo Mountains

This documentation is associated with a research project on a Study of the Effects of Climatic Change, Mountain Range Elevation, and Drainage Basin Lithology on the Formation of Alluvial Fans by Simpson.

Series Nbr: 06

File Unit: 15

Dates: 1984-1989

Title: GEOLOGIC STUDIES OF ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains the following 2 folders:

Folder 15.1 contains correspondence, a Statement of Purpose, proposals, permits, Investigator's Annual Reports, a preliminary draft titled "Geologic Map of Organ Pipe Cactus National Monument and Adjacent Areas," and various related maps and drawings for a research project on Geologic Studies by Andrea Collins Eddy

Folder 15.2 contains a map, 2 sheets, titled "Reconnaissance Geologic Map of Organ Pipe Cactus National Monument and Adjacent Areas, Pima County, Arizona".

Series Nbr: 06

File Unit: 16

Dates: 1988

Title: DETECTION OF LAND SURFACE CHANGE IN ARID REGIONS: APPLICATION OF A SURFACE STRUCTURE MODEL IN THE SONORAN DESERT

Summary Notes:

This file unit contains correspondence, a research proposal titled "Detection of Land Surface Change in Arid Regions: Application of a Surface Structure Model in the Sonoran Desert" by Charles F. Hutchinson and Joseph Otterman, and certification for a research project of the same name by Hutchinson.

Series Nbr: 06

File Unit: 17

Dates: 1988-1989

Title: FURTHER PACKRAT MIDDEN STUDIES IN ORGAN PIPE CACTUS NATIONAL MONUMENT: VEGETATION HISTORY OF THE AJO MOUNTAINS AND A SUMMARY OF VERTEBRATE REMAINS

Summary Notes:

This file unit contains correspondence, proposals, an Investigator's Annual Report, and "Reasons Justifying Tom Van Devender's 1987 SPMA Research Request" for a research project on the Further Packrat Midden Studies: Vegetation History of the Ajo Mountains and a Summary of Vertebrate Remains by Thomas R. Van Devender.

Series Nbr: 06

File Unit: 18

Dates: 1989

Title: COSMOGENIC CL-36 BUILDUP DATING AND INVESTIGATIONS AND MODELING OF Ca, CO₃, AND CI ACCUMULATION IN SOUTHERN ARIZONA SOILS

Summary Notes:

This file unit contains the following 2 folders:

Folder 18.1 contains:

Correspondence, a technical proposal titled "Cosmogenic Cl-36 Buildup Dating and Investigations and Modeling of Ca, CO₃, and Cl Accumulation in Southern Arizona Soils" by Fred M. Phillips, New Mexico Institute of Mining and Technology, Investigator's Annual Reports, and related articles.

Folder 18.2 contains:

A dissertation titled "Cosmogenic Cl Dating of Geomorphic Surfaces and Isotopic Investigation of Soil Water and Paleoclimate, Ajo Mountains, Southern Arizona" by Beiling Liu and an article titled "An Alluvial Surface Chronology Based on Cosmogenic ³⁶Cl Dating, Ajo Mountains (Organ Pipe Cactus National Monument), Southern Arizona" Beiling Liu et al.

This documentation is associated with a research project titled Cosmogenic Cl-36 Buildup Dating and Investigations and Modeling of Ca, CO₃, and Cl Accumulation in Southern Arizona Soils by Fred M. Phillips.

Series Nbr: 06

File Unit: 19

Dates: 1992

Title: CAVE INVENTORY

Summary Notes:

This file unit contains a preliminary cave inventory.

Collection/Series: ORPI 15915/07

Series Title: INSECTS AND INVERTEBRATES

Accession: ORPI-00450

Catalog Nbr: ORPI 15915

Inclusive Dates: 1980-2003

Bulk Dates: 1985-1997

Scope: This series contains correspondence, permits, reports, research, inventories, and studies related to the study and research of insects and invertebrates.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 07
File Unit: 01
Dates: Unknown
Title: NOTES ON ANTS

Summary Notes:

This file unit contains a six-page handwritten document titled "Notes on Ants of the Organ Pipe Cactus National Monument, Arizona."

Series Nbr: 07
File Unit: 02
Dates: 1980-1983
Title: INVESTIGATION OF GENETIC DIVERSITY OF AQUATIC INSECTS IN SOUTHERN ARIZONA, WITH SPECIAL REFERENCE TO ORGAN PIPE

Summary Notes:

This file unit contains:

- Correspondence, proposals, and Investigator's Annual Reports
- A proposal titled "An Investigation of Genetic Diversity of Aquatic Insects in Southern Arizona, with Special Reference to Organ Pipe Cactus National Monument" by Eric Larsen, Department of Biology, Villanova University
- A report titled "Aquatic Coleoptera and Hemiptera of Organ Pipe Cactus National Monument, Arizona," by Eric Larsen and Carl Olson.

This documentation is associated with a research project on Genetic Diversity of Aquatic Insects in Southern Arizona by Eric Larsen.

Series Nbr: 07
File Unit: 03
Dates: 1984-1986
Title: GALL WASPS ON AJO OAK: A CASE STUDY FOR PREDICTION OF SPECIES DIVERSITY IN NATURAL PRESERVES

Summary Notes:

This file unit contains correspondence, proposals, permits, and an Investigator's Annual Report for a research project on Gall Wasps in Ajo Oak by James R. Zimmerman.

Series Nbr: 07
File Unit: 04
Dates: 1984
Title: REVISION OF NEARCTIC GYMNOPTERA, PSEUDODINIA, EUCHARITIDAE, SPHAEROCERIDAE

Summary Notes:

This file unit contains correspondence and a proposal for a research project on Nearctic Gymnophora, Pseudodinia, Eucharitidae, and Sphaeroceridae by Brian V. Brown.

Series Nbr: 07

File Unit: 05

Dates: 1985-1986

Title: ASCIA JOSEPHINIA AND CAPER ATAMISQUEA EMARGINATA

Summary Notes:

This file unit contains correspondence; a research proposal on the relationship between the Pierid Butterfly and the Caper by Richard Bailowitz, Department of Entomology, University of Arizona; contracts; and an Investigator's Annual Report for a research project on *Ascia josephinia* and *Caper Atamisquea emarginata* by Richard Bailowitz.

Series Nbr: 07

File Unit: 06

Dates: 1985

Title: ECOLOGY AND GENETICS OF CACTOPHILIC DROSOPHILIA AND THEIR ASSOCIATED MICROFLORA

Summary Notes:

This file unit contains correspondence and a proposal titled "Ecology and Genetics of Cactophilic *Drosophila* and their Associated Microflora" by William B. Heed, James C. Fogleman and Henry W. Kircher, University of Arizona, for a research project of the same name.

Series Nbr: 07

File Unit: 07

Dates: 1985-1989

Title: FOSSIL AND MODERN INSECT STUDY IN ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains correspondence; proposals; certification; an Investigator's Annual Report; a progress report; and an article titled "Late Quaternary and Modern Arthropods from the Ajo Mountains of Southwestern Arizona," by W. Eugene Hall, Carl A. Olson, and Thomas R. Van Devender for a research project on Fossil and Modern Insect Study by Gene Hall and Steve Prchal.

Series Nbr: 07

File Unit: 08

Dates: 1985-1987

Title: POPULATION STATUS, FORAGING BEHAVIOR, AND REPRODUCTIVE BIOLOGY OF THE LEAFCUTTING ANT, *ATTA MEXICANA*

Summary Notes:

This file unit contains:

- Correspondence, proposals, permits, and Investigator's Annual Report
- A report to the Southwest Parks and Monuments Association titled "The Status of the Leafcutting Ant *Atta Mexicana* at Organ Pipe Cactus National Monument" by Alex C. Mintzer
- A report titled "Population Status of the Mexican Leafcutting Ant, *Atta Mexicana* (Formicidae), in the Sonoran Desert of Arizona" by Alex C. Mintzer, Department of Entomology, Texas A&M University
- A proposal titled "Clarification of the Status of Arizona Desert Populations of the Leafcutting Ant *Atta Mexicana* (Hymenoptera: Formicidae)" by Alex C. Mintzer, Museum of Zoology and Division of Biological Sciences, University of Michigan.

This documentation is associated with a research project on the Population Status, Foraging Behavior, and Reproductive Biology of the Leafcutting Ant by Alex C. Minter.

Series Nbr: 07

File Unit: 09

Dates: 1985-1986

Title: PRELIMINARY SURVEY OF ANTS AT ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains correspondence, a proposal titled "Preliminary Survey of Ants at Organ Pipe Cactus National Monument" by David W. Johnson, permits, and an Investigator's Annual Report for a research project on ants by Johnson.

Series Nbr: 07

File Unit: 10

Dates: 1987-1988

Title: FOSSIL AND MODERN INSECTS FROM THE AJO MOUNTAINS

Summary Notes:

This file unit contains correspondence, proposals, an Investigator's Annual Report, and note concerning the final report by Thomas R. Van Devender.

Series Nbr: 07

File Unit: 11

Dates: 1987

Title: GRASSHOPPERS AND BUTTERFLIES OF THE QUITOBAQUITO MANAGEMENT AREA

Summary Notes:

This file unit contains a Cooperative National Park Resources Studies Unit, Technical Report No. 21 titled "Grasshoppers and Butterflies of the Quitobaquito Management Area, Organ Pipe Cactus National Monument, Arizona" by Kenneth J. Kingsley and Richard A. Bailowitz.

Series Nbr: 07

File Unit: 12

Dates: 1987

Title: PLANT UTILIZATION AND REPRODUCTIVE BIOLOGY OF THE LEAFCUTTING ANT, ATTA MEXICANA

Summary Notes:

This file unit contains correspondence, proposals, certification, an Investigator's Annual Report, and a project final report titled "Reproductive Biology of the Leafcutting Ant Atta Mexicana at Organ Pipe Cactus National Monument" by Alex Mintzer for a research project on Plant Utilization and Reproductive Biology of the Leafcutting Ant.

Series Nbr: 07

File Unit: 13

Dates: 1987-1989

Title: REPRODUCTIVE LIFE CYCLE AND FORAGING BEHAVIOR OF THE LEAFCUTTING ANT, ATTA MEXICANA

Summary Notes:

This file unit contains:

- An Investigator's Annual Report

The following reports by Dr. Alex Mintzer:

- A final report titled "Reproductive Biology of the Leafcutting Ant *Atta Mexicana* at Organ Pipe Cactus National Monument" May 1990
- A final report titled "Diet and Foraging Behavior of the Leafcutting Ant *Atta Mexicana* at Organ Pipe Cactus National Monument"
- An article titled "Diet of the Leafcutting Ant, *Atta Mexicana* (Hymenoptera: Formicidae), in a Sonoran Desert Habitat"
- A draft proposal titled "Diet and Foraging Behavior of *Atta Mexicana* Ants in Arizona"
- An interim progress report titled "Reproductive and Foraging Behavior of *Atta Mexicana* Leafcutting Ants at Organ Pipe Cactus National Monument"

This documentation is associated with a research project on the Reproductive Life Cycle and Foraging Behavior of the Leafcutting Ant by Alex C. Mintzer.

Series Nbr: 07

File Unit: 14

Dates: 1988-1994

Title: ECOLOGY OF FERAL AND AFRICANIZED BEES IN ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains:

- Correspondence, proposals, permits, Investigator's Annual Reports, and meeting notes
- A proposal titled "Ecology of Feral and Africanized Honey Bees in Organ Pipe National Monument"
- A document titled "Survey of Feral and Africanized Honey Bees" by the United States Department of Agriculture
- An article titled "Swarm Traps for Survey and Control of Africanized Honey Bees" by Justin O. Schmidt and Steven C. Thoenes.

This documentation is associated with a research project on the Ecology of Feral and Africanized Honey Bees by Justin O. Schmidt.

Series Nbr: 07

File Unit: 15

Dates: 1988-1989

Title: FERAL HONEY BEES

Summary Notes:

This file unit contains annotated maps, notes, and Feral Honey Bee Locator forms.

Series Nbr: 07
File Unit: 16
Dates: 1989-1994
Title: BOLL WEEVIL ERADICATION PROJECT

Summary Notes:

This file unit contains correspondence, Investigator's Annual Reports, an opinion on the National Boll Weevil Cooperative Control Program by the Fish and Wildlife Service, and an Environmental Assessment for Boll Weevil Eradication Program: Arizona, California and Mexico for a research project on Boll Weevil Eradication by Theodore Boratynski.

Series Nbr: 07
File Unit: 17
Dates: 1989
Title: HONEY BEE COLONIES AND POLLEN TRAPPING

Summary Notes:

This file unit contains correspondence; a proposal titled "Honey Bee Colonies and Pollen Trapping in Organ Pipe Cactus National Monument"; an Investigator's Annual Report; a report titled "Monitoring the Ecosystem and its Impact on Honey Bee Reproduction: A Valuable Tool for National Parks" by Steven C. Thoenes, Stephen L. Buchmann, and Justin O. Schmidt; and notes on a European Honey Bee pollen trapping project.

This documentation is associated with a research project on Honey Bee Colonies and Pollen Trapping by Stephen L. Buchmann.

Series Nbr: 07
File Unit: 18
Dates: 1989-1990
Title: A STUDY OF THE OCCURRENCE AND HABITAT UTILIZATION OF ROTHSCHILDIA CINCTA (TEPPER) (SATURNIIDAE)

Summary Notes:

This file unit contains correspondence, a research proposal titled "A Study of the Occurrence and Habitat Utilization of Rothschildia cincta in Organ Pipe Cactus National Monument" by James P. Tuttle, certification, and an Investigator's Annual Report for a research project of the same name by Tuttle.

Series Nbr: 07
File Unit: 19
Dates: 1990-1992
Title: TAXONOMIC REVISION OF THE GENUS DASYMUTILLA

Summary Notes:

This file unit contains correspondence, proposals, certification, and a permit for a research project on the Taxonomic Revision of the Genus Dasymutilla by Donald Manley.

Series Nbr: 07
File Unit: 20
Dates: 1991
Title: CATALOG OF INVERTEBRATE SPECIMENS

Summary Notes:

This file unit contains "A Catalog of Invertebrate Specimens Collected from Organ Pipe Cactus National Monument, October 1987-September 1990" by Kenneth Kingsley, Ph.D., for Contract No. CX 8000-7-0026 for the Sensitive Ecosystems Program.

Series Nbr: 07
File Unit: 21
Dates: 1992
Title: ENTOMOLOGY INVENTORY

Summary Notes:

This file unit contains an inventory of the park's entomology collection.

Series Nbr: 07
File Unit: 22
Dates: 1993-1994
Title: BEES AND LARREA TRIDENTATA

Summary Notes:

This file unit contains correspondence, proposals, and an Investigator's Annual Report for a research project on Bees and Larrea tridentata by James H. Crane.

Series Nbr: 07
File Unit: 23
Dates: 1993-1994
Title: GRASSHOPPER PHENOLOGY AND EGG HATCH IN RANGELAND SOUTH OF 40 DEGREE NORTH LATITUDE

Summary Notes:

This file unit contains correspondence, proposals, certification, permits, an Investigator's Annual Report, a FY93 plan of work for a research project on Grasshopper Phenology and Egg Hatch in Rangeland South of 40 N Latitude by Jerome Onsager.

Series Nbr: 07
File Unit: 24
Dates: 1993-1995
Title: LOCATION, PHENOTYPIC, AND GENOTYPIC SURVEY OF FERAL HONEY BEES IN NATIONAL PARKS AND MONUMENTS IN ARIZONA

Summary Notes:

This file unit contains correspondence, proposals, and an Investigator's Annual Report for a research project on the Location, Phenotypic, and Genotypic Survey of Feral Honey Bees by Gerald M. Loper and Stephen L. Buchmann.

Series Nbr: 07

File Unit: 25

Dates: 1995-1997

Title: EVOLUTION OF THE NORTH AMERICAN SPRINGSNAIL GENUS TRYONIA (RE: TRYONIA QUITOBAQUITAE)

Summary Notes:

This file unit contains correspondence, certification, and a Non-Specialist Summary for a research project on the Evolution of the North American Springsnail by Robert Hershler.

Series Nbr: 07

File Unit: 26

Dates: 1995

Title: SURVEY FOR PAEDERUS (ROVE BEETLES) IN THE SOUTHWESTERN UNITED STATES

Summary Notes:

This file unit contains a research certificate, correspondence, and a proposal to the American Museum of Natural History Theodore Roosevelt Memorial Fund for a research project on a Survey for Rove Beetles in the Southwestern United States by Sandra Haase-Statz.

Series Nbr: 07

File Unit: 27

Dates: 2002-2003

Title: INTERIM REPORT ON ENTOMOLOGY

Summary Notes:

This file unit contains the following 3 folders:

Folders 27.1 and 27.2 contains a report titled "Improvement Museum Management of Organ Pipe Cactus National Monument Natural Resource Collections: Interim Report on Entomology" by Rex Weeks, Arizona State University, January 31, 2003.

Folder 27.3 contains a bound copy of Rex Weeks' "Daily Log of ORPI Inventorying Entomology Collection, Inclusive Dates: 09-13-02 to 01-31-03," notes, and a project proposal.

Collection/Series: ORPI 15915/08

Series Title: MAMMALS

Accession: ORPI-00452

Catalog Nbr: ORPI 15915

Inclusive Dates: 1939-1996

Bulk Dates: 1939-1996

Scope: This series contains checklists, correspondence, permits, reports, research, handwritten notes, and studies related to the study and research of mammals.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 08
File Unit: 01
Dates: Unknown
Title: EVALUATION OF FERAL BURROS

Summary Notes:

This file unit contains "An Evaluation of Feral Burros at Organ Pipe Cactus National Monument" by R. Hungerford, University of Arizona.

Series Nbr: 08
File Unit: 02
Dates: 1939-1959
Title: PECCARY

Summary Notes:

This file unit contains handwritten observation notes on peccary encounters and memorandums regarding the amount of peccaries at the park.

Series Nbr: 08
File Unit: 03
Dates: 1942-1972
Title: CHECKLISTS OF MAMMALS

Summary Notes:

This file unit contains:

- List of specimens sent by San Diego Society of Natural History to Southwestern National Monuments in 1939. Date 03/1942
- Checklist for May 1963
- Revised checklists for August 1965, August 1970, and August 1972.

Series Nbr: 08
File Unit: 04
Dates: 1960-1983
Title: ANNUAL WILDLIFE, BEAR INCIDENT, AND LIVESTOCK REPORTS 1960-1983

Summary Notes:

This file unit contains Summary of Livestock Grazing reports, a Survey of Current Bear Problems and Related Management Activities, Annual Wildlife Reports including narrative statements, and a Biennial Animal Census Report.

Series Nbr: 08
File Unit: 05
Dates: 1969
Title: WHITE-TAIL DEER SIGHTINGS

Summary Notes:

This file unit contains correspondence and a count of white-tail deer sightings since 1961.

Series Nbr: 08
File Unit: 06
Dates: 1972-1980
Title: WHITE-TAIL DEER STUDY

Summary Notes:

This file unit contains correspondence, contract documentation for Contract No. CX 8000-6-0040, and a research proposal for "The White-Tailed Deer on the Organ Pipe Cactus National Monument, Arizona" by Lyle K. Sowls.

Series Nbr: 08
File Unit: 07
Dates: 1978
Title: BAT SURVEY

Summary Notes:

This file unit contains correspondence, a progress report, and a research proposal titled "Survey of Bat Populations and Habitats at Organ Pipe Cactus National Monument" by E. Lendell Cockrum.

Series Nbr: 08
File Unit: 08
Dates: 1982-1986
Title: MAMMALS OF ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains:

- Correspondence including correspondence to the Southwest Parks and Monuments Association, proposals, Investigator's Annual Reports, and interim report
- A document titled "Macrohabitat Selection in Heteromyid Rodents at Pozo Nuevo, Organ Pipe Cactus National Monument, Arizona"
- Cooperative National Park Resource Studies Unit, Technical Report No. 36 "Mammals of the Quitobaquito Management Area, Organ Pipe Cactus National Monument, Arizona" by Yar Petryszyn and E. Lendell Cockrum, December 1990.

This documentation is associated with a research project on Mammals by Lendell Cockrum.

Series Nbr: 08
File Unit: 09
Dates: 1985
Title: DIPODOMYS DESERTI AND D. SPECTABILIS

Summary Notes:

This file unit contains correspondence, proposals, certification, permits, and a trip report for a research project on Dipodomys and D. spectabilis by Barbara Harney.

Series Nbr: 08
File Unit: 10
Dates: 1993-1996
Title: BAT NETTING

Summary Notes:

This file unit contains Bat Netting Data Sheets for various sites around the park.

Series Nbr: 08
File Unit: 11
Dates: 1996
Title: NOCTURNAL RODENT POPULATION

Summary Notes:

This file unit contains a Cooperative Park Studies Unit, Technical Report No. 52 titled "Nocturnal Rodent Population Densities and Distribution at Organ Pipe Cactus National Monument, Arizona" by Yar Petryszyn and Stephen Russ.

Collection/Series: ORPI 15915/09

Series Title: PLANTS AND VEGETATION

Accession: ORPI-00453

Catalog Nbr: ORPI 15915

Inclusive Dates: 1941-1999

Bulk Dates: 1968-1999

Scope: This series contains checklists, correspondence, permits, reports, cactus and plant surveys, vegetation studies, maps, photographs, negatives, and slides related to the study and research of plants and vegetation.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 09
File Unit: 01
Dates: 1941, 1946
Title: DISEASED SAGUARO SURVEY

Summary Notes:

This file unit contains the following 4 folders regarding a Saguaro Disease survey:

Folder 1.1 contains photocopies of survey notes by Paul C. Lightle and H.B. from 1941
Folder 1.2 contains Saguaro Disease Permanent Sample Plot Record Sheets for Alamo Canyon
Folder 1.3 contains Saguaro Disease Permanent Sample Plot Record Sheets for Dowling Well
Folder 1.4 contains Saguaro Disease Permanent Sample Plot Record Sheets for Sonoita Road.

Series Nbr: 09
File Unit: 02
Dates: 1942, 1963-1975
Title: CHECKLIST OF PLANTS

Summary Notes:

This file unit contains:

- A Hancock Foundation Biological report titled "Check-list of Plants of the Organ Pipe Cactus National Monument, List Revised According to Munz, 1935, and Kearney and Peebles, 1942" by Norman C. Cooper, Allan Hancock Foundation, the University of Southern California, October 1942
 - Checklist of cacti by Warren F. Steenbergh, Chief Park Naturalist, and Dr. Lyman Benson, Department of Botany, Pomona College, for 1963
 - Checklist of cacti for 1964
 - Checklist of plants compiled by Burnetta Adams, July 1971
 - Checklist of plants revised by Elizabeth H. Jordan, April 1975
 - Flower calendar.
-

Series Nbr: 09
File Unit: 03
Dates: 1958-1959
Title: MISTLETOE CONTROL

Summary Notes:

This file unit contains the following 2 folders:

Folder 3.1 contains Mistletoe Control Pilot Test Record Cards for mistletoe sprayed in March 1958
Folder 3.2 contains Mistletoe Control Pilot Test Record Cards for mistletoe sprayed in 1959.

Series Nbr: 09
File Unit: 04
Dates: 1965-1966
Title: FORAGE RESOURCE INVENTORY

Summary Notes:

This file unit contains documentation associated with a Forage Resource Inventory in the following 4 folders:

Folder 4.1 contains handwritten notes; a handwritten draft and a final copy of "Forage Resource Inventory of the Organ Pipe Cactus National Monument, A Narrative Report" prepared by Robert L. Schultz, 1965; and two annotated maps titled " Forage Resource Inventory [Map] By Bureau Of Land Management, 1965"

Folder 4.2 contains a pictorial review of the forage inventory taken by members of the forage survey crew in November-December 1965

Folder 4.3 contains correspondence, memorandums, Field Notebooks, Forage Range Inventory Wildlife counts, maps, supplies lists and documents related to personnel and travel records and expenses

Folder 4.4 contains completed Forage Survey Type Write Up forms from Bureau of Land Management.

Series Nbr: 09
File Unit: 05
Dates: 1968-1971
Title: RANGE CONDITIONS SPECIAL STUDY

Summary Notes:

This file unit contains the following 3 folders associated with a Range Condition study:

Folder 5.1 contains drafts, notes, and a final copy of "Range Conditions on the Organ Pipe Cactus National Monument, Arizona, A Special Study of the National Park Service" by Robert L. Schultz, Edward L. Webb, Jerry P. Townsend, and William K. Carter

Folder 5.2 contains correspondence, memorandums, and notes related to a Condition and Trend Study

Folder 5.3 contains "A Pictorial Presentation of Range Conditions, Organ Pipe Cactus National Monument, Arizona."

Series Nbr: 09
File Unit: 06
Dates: 1968
Title: SENITA CACTUS

Summary Notes:

This file unit contains a research report titled "Senita Cactus in Arizona" and associated annotated maps.

Series Nbr: 09
File Unit: 07
Dates: 1970-1984
Title: CACTUS GROWTH

Summary Notes:

This file unit contains Field Observation Sheets for various cactuses across the park, sampled between 1970-1984.

Series Nbr: 09
File Unit: 08
Dates: 1970s, 1975-1976
Title: PETER WARREN VEGETATION STUDY AND REPORT

Summary Notes:

This file unit documents notes, correspondence, drafts, and data associated with Peter Warren's Vegetation Study:

Folder 8.1 contains an annotated draft of Warren's manuscript

Folder 8.2 contains progress reports and a draft, dated 07/22/1976

Folder 8.3 contains a draft, dated 07/08/1976 and associated figures

Folder 8.4 contains serial photo data and manuscript tables, dated July 1 [1976]

Folder 8.5 contains notes on figures, statistics, and unused manuscript Figures

Folder 8.6 contains manuscript appendices, dated July 6, [1976]

Folder 8.7 contains literature cited documentation and documentation on methods

Folder 8.8 contains documentation on methods, results, transects, and aerial photography

Folder 8.9 contains photo figure duplication ("LBT & 2 sets figs")

Folder 8.10 contains documentation on costs and trip logs

Folder 8.11 contains notes on transect numbers 1, 2, 3, and 4

Folder 8.12 contains worksheets data and notes on Armenta Well and Dos Lomitas enclosure

Folder 8.13 contains worksheets data and notes on Armenta Well and Dos Lomitas control

Folder 8.14 contains "Trap" records and data and unlabeled "plots" data

Folder 8.15 contains plot data and information for Plot 100, Plot 1SE1–Growler Valley, Plot 1SE 2, Plot 1SE3, Plot 200, Plot 2E1, Plot 2E2, and Plot 2E3

Folder 8.16 contains plot data and information for Plot 300, Plot 3SI, Plot 3S2, Plot 3S3, Plot 3S4, Plot 400, Plot 4WI, and Plot 4W2

Folder 8.17 contains transparencies of the north boundary

Folder 8.18 contains transparencies of the west boundary

Folder 8.19 contains transparencies of the east boundary

Folder 8.20 contains transparencies of the south boundary

Folder 8.21 and 8.22 contains black and white photographs

Series Nbr: 09

File Unit: 09

Dates: 1971

Title: FINAL FIELD REVIEW

Summary Notes:

This file unit contains "Final Field Review, Organ Pipe Cactus National Monument (648), Pima County, Arizona," May 3 through 6, 1971, by Y.H. Havens.

Series Nbr: 09

File Unit: 10

Dates: 1971

Title: FLORA OF QUITOBAQUITO

Summary Notes:

This file unit contains "A Flora of Quitobaquito" compiled by H. B. Adams, July 1971.

Series Nbr: 09

File Unit: 11

Dates: 1974-1976

Title: PRELIMINARY ECOLOGICAL INVESTIGATION OF NATURAL COMMUNITY STATUS

Summary Notes:

This file unit contains the following 3 folders regarding the Natural Community Status project:

Folder 11.1 contains correspondence, progress reports, and a rough draft of a research proposal titled "Preliminary Ecological Investigation of Natural Community Status at Organ Pipe Cactus National Monument" prepared by Warren F. Steenbergh

Folder 11.2 and 11.3 contains black and white photographs and logs related to the project.

Series Nbr: 09

File Unit: 12

Dates: 1975-1982

Title: MONITORING CHANGE IN PLANT AND RODENT POPULATIONS IN THE SONORAN DESERT

Summary Notes:

This file unit contains correspondence, proposals, certification; a permit; and a Cooperative National Park Resources Studies Unit, Technical Report No. 20 titled "Vegetation Recovery Following Livestock Removal Near Quitobaquito Spring, Organ Pipe Cactus National Monument" by Peter L. Warren and L. Susan Anderson.

This documentation is associated with a research project on Monitoring Change in Plant and Rodent Populations in the Sonoran Desert by Peter L. Warren.

Series Nbr: 09
File Unit: 13
Dates: 1977
Title: ECOLOGY OF COLUMNAR CACTI

Summary Notes:

This file unit contains correspondence, an Investigator's Annual Report, and a proposal titled "Ecology of Columnar Cacti at Organ Pipe Cactus National Monument" by an unknown researcher.

Series Nbr: 09
File Unit: 14
Dates: 1977-1979
Title: VEGETATION MAPPING AND SURVEY OF THE VASCULAR FLORA

Summary Notes:

This file unit contains correspondence, contract documentation, progress reports, a project proposal titled "Vegetation Mapping and Survey of the Vascular Flora of Organ Pipe Cactus National Monument" by David A. Mouat, and an advanced draft for Contract No. CX 8000-7-0027, Vegetation Mapping and Survey of Vascular Flora.

Series Nbr: 09
File Unit: 15
Dates: 1977-1979
Title: VEGETATION SURVEY

Summary Notes:

This file unit contains Vegetation Survey/Vegetation Inventory sheets completed for a vegetation study.

Series Nbr: 09
File Unit: 16
Dates: 1981, 1985
Title: CHECKLIST OF VASCULAR PLANTS

Summary Notes:

This file unit contains a checklist of vascular plants from 1981 and from 1985, published by Southwestern National Monuments.

Series Nbr: 09
File Unit: 17
Dates: 1981-1983
Title: PLANT AND WILDLIFE DIVERSITY WITH NATIVE AGRICULTURE OF SONORAN DESERT

Summary Notes:

This file unit contains correspondence, a research proposal titled "Plant and Wildlife Diversity Associated with Native Agriculture of the Sonoran Desert" by Charles F. Hutchinson and Gary P. Nabhan, permits, an Investigator's Annual Report, a report titled "Sampling Design for the Study of Plant and Wildlife Diversity Associated with Native Agriculture in the Sonoran Desert," by Gary P. Nabhan and Charles F. Hutchinson.

This documentation is associated with a research project for Plant and Wildlife Diversity with Native Agriculture of the Sonoran Desert by Gary P. Nabhan.

Series Nbr: 09

File Unit: 18

Dates: 1983-1989

Title: PATTERNS AND PROCESSES OF CYCLIC REPLACEMENT IN DESERT PLANT COMMUNITIES

Summary Notes:

This file unit contains correspondence, proposals, and related published articles for a research project on Patterns and Processes of Cyclic Replacement in Desert Plant Communities by Joseph R. McAuliffe.

Series Nbr: 09

File Unit: 19

Dates: 1984-1986

Title: DISEASES OF NON-CONIFEROUS PLANTS OF THE SONORAN DESERT

Summary Notes:

This file unit contains correspondence; proposals; permits; Investigator's Annual Reports; and an article titled "Pollination Requirements of the Organ Pipe Cactus" by Stanley Alcorn, S.E. McGregor, and George Olin for a research project on Diseases of Non-coniferous Plants of the Sonoran Desert by Dr. Stanley M. Alcorn.

Series Nbr: 09

File Unit: 20

Dates: 1984-1990

Title: ECOLOGY OF ERIOGONUM ABERTIANUM

Summary Notes:

This file unit contains correspondence, a research proposal titled "Ecology of Eriogonum Abertianum, A Desert Annual with an Unusual Life History" by Gordon A. Fox, certification, and Investigator's Annual Reports for a research project of the same name by Fox.

Series Nbr: 09

File Unit: 21

Dates: 1984

Title: ECOLOGY OF SAGUARO-PALO VERDE COMPETITION AT ORGAN PIPE CACTUS NATIONAL MONUMENT, ARIZONA

Summary Notes:

This file unit contains correspondence; proposals; certification; a final report titled "Effects of Intraspecific Crowding on Water Uptake and Storage, Atypical Growth, and Reproduction in the Sahura Cactus, Carnegiea gigantean" by Joseph A. McAuliffe and Frederic J. Janzen; and chart plots of saguaros for a research project on the Ecology of Saguaro-Palo Verde Competition by Fredric J. Janzen.

Series Nbr: 09

File Unit: 22

Dates: 1984-1985

Title: USE OF LARGE-SCALE AERIAL PHOTOGRAPHY FOR DETECTING CHANGES OF AN ARID RANGELAND IN SOUTHWESTERN ARIZONA

Summary Notes:

This file unit contains correspondence, a thesis proposal titled "The Use of Large-Scale Aerial Photography for Detecting Changes of an Arid Rangeland in Southwestern Arizona" by Paul A. Knapp, and an Investigator's Annual Report for a research project of the same name by Knapp.

Series Nbr: 09

File Unit: 23

Dates: 1984

Title: VASCULAR FLORA LISTS, NPFLORA DATABASE

Summary Notes:

This file unit contains a review of the park's vascular flora lists from the NPFLORA Database.

Series Nbr: 09

File Unit: 24

Dates: 1984-1986

Title: EXTRACTION OF ALLELOPATHIC TOXINS FROM THE DESERT SHRUB LARREA TRIDENTATA (CREOSOTE BUSH)

Summary Notes:

This file unit contains correspondence, a research proposal titled "The Extraction and Identification of Allelopathic Toxins in Association with Larrea Tridentata" by Susan Maass, an Investigator's Annual Report, and final report for a research project of the same name by Maass.

Series Nbr: 09

File Unit: 25

Dates: 1985-1986

Title: REDLISTS

Summary Notes:

This file unit contains:

- Redlists for vascular plants
 - Correspondence on endangered and threatened plants
 - Plant list of Arizona
 - An exotic plant list
 - Species list
 - Handwritten notes on redlists
 - An informal report titled "Theft of Small Cacti in the Vicinity of Quitobaquito Pond, Organ Pipe Cactus National Monument" by Peter S. Bennett, Research Scientist, Cooperative Park Studies Unit/University of Arizona.
-

Series Nbr: 09

File Unit: 26

Dates: 1986

Title: QUITOBAQUITO SPRINGS OASIS WOODY RIPARIAN VEGETATION

Summary Notes:

This file unit contains documentation related to Cooperative National Park Resources Studies Unit, Technical Report No. 19 titled "A Descriptive Analysis of Woody Riparian Vegetation at Quitobaquito Springs Oasis, Organ Pipe Cactus National Monument, Arizona" by Bryan T. Brown and Peter L. Warren.

Series Nbr: 09

File Unit: 27

Dates: 1987-1990

Title: EFFECTS OF NURSE PLANTS ON ENVIRONMENTAL FACTORS AFFECTING ESTABLISHMENT AND GROWTH OF CACTI

Summary Notes:

This file unit contains correspondence, a research proposal titled "Effects of Nurse Plants on Environmental Factors Affecting Establishment and Growth of Cacti" by Augusto Cesar Franco, certification, and an article titled "Effects of Nurse Plants on the Microhabitat and Growth of Cacti" by A.C. Franco and P.S. Nobel for a research project of the same name by Franco.

Series Nbr: 09

File Unit: 28

Dates: 1987

Title: SPECIAL STATUS PLANTS

Summary Notes:

This file unit contains correspondence, a research proposal titled "Special Status Plants of Organ Pipe Cactus National Monument", redlists of vascular plants, and a draft Scope of Work for the redlists for a research project on the Special Status Plants by Dennis B. Fenn.

Series Nbr: 09

File Unit: 29

Dates: 1987

Title: QUITOBAQUITO SPRINGS VEGETATION RECOVERY

Summary Notes:

This file unit contains documentation associated with Cooperative National Park Resources Studies Unit, Technical Report No. 20 titled "Vegetation Recovery Following Livestock Removal Near Quitobaquito Spring, Organ Pipe Cactus National Monument" by Peter L. Warren and L. Susan Anderson.

Folder 29.1 contains a copy of the technical report and a copy of "Recent Vegetation Change Near Quitobaquito Springs, Organ Pipe Cactus National Monument" by Peter L. Warren and L. Susan Anderson

Folder 29.2 contains photographs used in the Technical Report.

Series Nbr: 09

File Unit: 30

Dates: 1988-1992

Title: SURVEY OF BACTERIA ASSOCIATED WITH NECROTIC CACTUS TISSUE

Summary Notes:

This file unit contains correspondence, a research proposal titled "Survey of Bacteria Associated with Necrotic Cactus Tissue" by Dr. James C. Fogleman, certification, and an Investigator's Annual Report for a research project of the same name by Fogleman.

Series Nbr: 09

File Unit: 31

Dates: 1988-1989

Title: TUMAMOC GLOBE-BERRY IN ARIZONA AND SONORA, MEXICO

Summary Notes:

This file unit contains correspondence, a technical proposal titled "Tumamoc Globe-Berry Studies in Arizona and Sonora, Mexico" by Frank W. Reichenbacher, certification, permits, and Investigator's Annual Reports for a research project of the same name by Reichenbacher.

Series Nbr: 09

File Unit: 32

Dates: 1989-1990

Title: ETHNOBOTANICAL INFLUENCES ON RARE PLANT POPULATIONS IN AND NEAR ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains correspondence, proposals, certification, an Investigator's Annual Report, and a document titled "Ethnobotany of Rare Plants of the U.S./Mexico Borderlands" for a research project on the Ethnobotanical Influences on Rare Plant Populations by Gary Nabhan.

Series Nbr: 09

File Unit: 33

Dates: 1989

Title: LICHEN SURVEY

Summary Notes:

This file unit contains a report on a Lichen Survey by Lorentz Pearson and an Annual Investigator's Report.

Series Nbr: 09

File Unit: 34

Dates: 1990-1992

Title: ABILITY TO TOLERATE OR AVOID WATER STRESS IN DESERT PERENNIAL PLANTS

Summary Notes:

This file unit contains correspondence, a research proposal request, certification, and Investigator's Annual Reports for a research project on the Ability to Tolerate or Avoid Water Stress in Desert Perennial Plants by Darren R. Sandquist.

Series Nbr: 09

File Unit: 35

Dates: 1990

Title: GENETIC, BIOCHEMICAL, AND REPRODUCTIVE STUDIES OF THE HINCKLEY OAK IN THE BIG BEND COUNTRY OF TEXAS

Summary Notes:

This file unit contains correspondence, a research proposal titled "Genetic, Biochemical, and Reproductive Studies of the Hinckley Oak in the Big Bend Country of Texas" by Richard A. Hilsenbeck, and certification for a research project of the same name by Hilsenbeck.

Series Nbr: 09

File Unit: 36

Dates: 1991

Title: BATES WELL CACTUS GROWTH

Summary Notes:

This file unit contains annotated topographic maps and handwritten notes and data for a Bates Well stada survey and cactus growth.

Series Nbr: 09

File Unit: 37

Dates: 1991-1993

Title: EFFECTS OF LEGUME WOOD CUTTING, PESTICIDES, AND HERBIVORY ON TWO NIGHT-BLOOMING CEREUS CACTI ON ORGAN PIPE CACTUS NATIONAL MONUMENT BOUNDARY WITH SONORA, MEXICO

Summary Notes:

This file unit contains:

- Correspondence, certification, permits, and Investigator's Annual Reports
- A research proposal titled "Effects of Legume Wood Cutting, Pesticides and Herbivory on Two Night-Blooming Cereus Cacti on Organ Pipe Cactus National Monument's Boundary with Sonora, Mexico" by G.P. Nabhan
- A dissertation proposal titled "The Influence of Ironwood Use on Columnar Cacti and the Xeroriparian Communities along the Organ Pipe Cactus National Monument" by Humberto Suzan Azpiri, Department of Botany, Arizona State University
- A final status report titled "Peniocereus Striatus" by Gary Paul Nabhan and Humberto Suzan

This documentation is associated with a research project on the Effects of Legume Wood Cutting, Pesticides and Herbivory on Two Night-Blooming Cereus Cacti by Gary P. Nabhan.

Series Nbr: 09

File Unit: 38

Dates: 1991

Title: MONITORING PROTOCOL HANDBOOK

Summary Notes:

This file unit contains a final report titled "Monitoring Protocol Handbook for Plants of Organ Pipe Cactus National Monument, Arizona" prepared by Robert A. Johnson, Marc A. Baker, Donald J. Pinkava, Nichole Trushell, and George A. Ruffner, of Ruffner Associates.

Series Nbr: 09

File Unit: 39

Dates: 1992-1994

Title: CLIMATIC VARIATION AND PHOTOSYNTHETIC ADAPTATION IN WARM DESERT PLANTS

Summary Notes:

This file unit contains correspondence, proposals, certification, and permits for a research project on the Climatic Variation and Photosynthetic Adaptation in Warm Desert Plants by Jonathan Comstock.

Series Nbr: 09

File Unit: 40

Dates: 1995-1997

Title: APS FIRE RECOVERY

Summary Notes:

This file unit contains 77 color 35mm slides documenting APS Fire Recovery efforts from 1995 to 1997 taken by Sue Rutman.

Series Nbr: 09

File Unit: 41

Dates: 1996-1997

Title: COMPARATIVE BREEDING STRUCTURE OF [THREE OR FOUR] SPECIES OF COLUMNAR CACTUS

Summary Notes:

This file unit contains correspondence, research proposals, permits, an Investigator's Annual Report, and bat captures spreadsheet for a research project on the Comparative Breeding Structures of Three Species of Sonoran Desert Columnar Cacti by Dr. Theodore H. Fleming.

Series Nbr: 09

File Unit: 42

Dates: 1999

Title: PENIOCEREUS STRIATUS MONITORING

Summary Notes:

This file unit contains data sheets and color photographs for monitoring of Peniocereus striatus.

Series Nbr: 09

File Unit: 43

Dates: 2001-2002

Title: INVASIVE PLANT MANAGEMENT - BUFFELGRASS

Summary Notes:

This file unit contains:

- A topographic map titled "Invasive Plant Management Project, Buffelgrass Surveys and Eradication Efforts, Winter 2001-2002"
 - A topographic map titled "Invasive Plant Survey and Control Project, Buffelgrass 2002, Organ Pipe Cactus National Monument, Scott Sweet and Sue Rutman".
-

Series Nbr: 09

File Unit: 44

Dates: 2002

Title: PENIOCEREUS STRIATUS SURVEY

Summary Notes:

This file unit contains an oversize drawing and map related to the Peniocereus striatus survey done in 2002 by Greta Anderson and Sue Rutman.

Series Nbr: 09

File Unit: 45

Dates: Unknown

Title: UNKNOWN QUITOBAQUITO HILLS MAP

Summary Notes:

This file unit contains an oversize map of Quitobaquito Hills, the springs, channel, and pond. Included in this file unit is correspondence between the WACC Archivist and Sue Rutman inquiring about the provenance, date, and any other information about the map. The map may be associated with Peter Warren's work or with work done by Peter Bennett and Mike Kunzmann CPSU project.

Collection/Series: ORPI 15915/10

Series Title: POLLUTION AND ENVIRONMENTAL QUALITY

Accession: ORPI-00459

Catalog Nbr: ORPI 15915

Inclusive Dates: 1980-2005

Bulk Dates: 1980-2005

Scope: This series contains notes, correspondence, and visibility monitoring slides related to the study and research of pollution and environmental quality.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 10
File Unit: 01
Dates: 1980-1981
Title: NATIONAL ATMOSPHERIC DEPOSITION PROGRAM

Summary Notes:

This file unit contains correspondence and memorandum regarding the park's participation in the National Atmospheric Deposition Program including raw data and procedural operations.

Series Nbr: 10
File Unit: 02
Dates: 1986-1997
Title: NIGHT SKY BRIGHTNESS

Summary Notes:

This file unit contains the following 5 folders regarding the Night Sky Brightness/ Light Pollution Monitoring Program project:

Folder 02.1 contains a handwritten scope of the Light Pollution Monitoring Program, 35mm color slides, color photographs, and 35mm color negatives all from 1986

Folder 02.2 contains negatives, handwritten notes, correspondence, meeting notes from 1994 including Pima County lighting codes, documentation on expert opinion of monitoring sky brightness, and articles on sky brightness

Folder 02.3 contains Sky Glow Survey Data Sheets from February 1997

Folder 02.4 contains Ext./Calib. Star Field Charts

Folder 02.5 contains Appendix A, B, C, G, I and L possibly from a monitoring protocols document.

Series Nbr: 10

File Unit: 03

Dates: 1997-2005

Title: VISIBILITY MONITORING STATUS/ASSESSMENT

Summary Notes:

This file unit contains 35mm slides recording air visibility monitoring and assessment and related forms.

For Organ Pipe:

Folder 3.1 contains documentation for August 1997 to March 1998

Folder 3.2 contains documentation for March 1998 to October 1998

Folder 3.3 contains documentation for October 1998 to May 1999

Folder 3.4 contains documentation for May 1999 to December 1999

Folder 3.5 contains documentation for December 1999 to September 2000

Folder 3.6 contains documentation for September 2000 to November 2001

Folder 3.7 contains documentation for November 2001 to December 2002

Folder 3.8 contains documentation for December 2002 to April 2004

For Pinacate Reserve:

Folder 3.9 contains documentation for October 2000 to October 2001

Folder 3.10 contains documentation for October 2001 to December 2002

Folder 3.11 contains documentation for December 2002 to January 2004

Folder 3.12 contains documentation for January 2004 to November 2004.

Collection/Series: ORPI 15915/11

Series Title: PUPFISH

Accession: ORPI-00454

Catalog Nbr: ORPI 15915

Inclusive Dates: 1977-1999

Bulk Dates: 1984-1989

Scope: This series contains correspondence, proposals, permits, Investigator's Annual Reports, reports, and annual census and survey data related to the study and research of pupfish.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 11
File Unit: 01
Dates: 1977-1985
Title: PUPFISH SURVEY AND CENSUS DATA

Summary Notes:

This file unit contains correspondence, memorandums, data, and drawings related to annual pupfish surveys and pupfish censuses.

Series Nbr: 11
File Unit: 02
Dates: 1984
Title: ENDANGERED STATUS

Summary Notes:

This file unit contains correspondence and memorandum regarding proposals to designate desert pupfish as an endangered fish species.

Series Nbr: 11
File Unit: 03
Dates: 1984
Title: WILLIAM SPRINGS AND BATES WELL PUPFISH REMOVAL

Summary Notes:

This file unit contains correspondence regarding the abandonment and removal of a pupfish refugium at Williams Spring and Bates Well stock tank.

Series Nbr: 11
File Unit: 04
Dates: 1987-1988
Title: UNITED STATES FISH AND WILDLIFE SERVICE PERMITS AND ANNUAL CENSUS

Summary Notes:

This file unit contains correspondence and memorandums regarding permits to collect pupfish by the United States Fish and Wildlife Service and annual pupfish census reports.

Series Nbr: 11
File Unit: 05
Dates: 1988-1989
Title: GENETIC AND MORPHOLOGICAL STUDIES OF THE DESERT PUPFISH, CYPRINODON MACULARIUS

Summary Notes:

This file unit contains correspondence, proposals, certification, permits, and an Investigator's Annual Report for a research project on Genetic and Morphological Studies of the Desert Pupfish by Jeffrey B. Mitton.

Series Nbr: 11
File Unit: 06
Dates: 1987
Title: A NEW SUBSPECIES OF PUPFISH

Summary Notes:

This file unit contains a Cooperative National Park Resources Studies Unit, Technical Report No. 24 titled "Status of *Cyprinodon Macularius Eremus*, A New Subspecies of Pupfish from Organ Pipe Cactus National Monument, Arizona" by Robert Rush Miller and Lee A. Fuiman.

Series Nbr: 11
File Unit: 07
Dates: 1989-1991
Title: PUPFISH SYSTEMATICS

Summary Notes:

This file unit contains correspondence, proposals, certification, permits, an Investigator's Annual Report, and an article titled "Mitochondrial DNA Variation and Evolution of the Death Valley Pupfishes" by Anthony Echelle and Thomas E. Dowling.

This documentation is associated with a research project on Pupfish Systematics by Anthony Echelle.

Series Nbr: 11
File Unit: 08
Dates: 1996-1999
Title: GENETIC DIVERSITY IN THE DESERT PUPFISH (*CYPRINODON MACULARIUS*)

Summary Notes:

This file unit contains correspondence, a final report titled "Genetic Variation in Desert Pupfish," an Investigator's Annual Report, and a grant agreement for a research project on the Genetic Diversity in the Desert Pupfish by Anthony Echelle.

Collection/Series: ORPI 15915/12

Series Title: SENSITIVE ECOSYSTEMS PROGRAM

Accession: ORPI-00455

Catalog Nbr: ORPI 15915

Inclusive Dates: 1987-1992

Bulk Dates: 1987-1992

Scope: This series contains reports, correspondence, photographs, negatives, and slides related to the Sensitive Ecosystems Program.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 12
File Unit: 01
Dates: 1987
Title: BIOSPHERE RESERVE SENSITIVE ECOSYSTEMS PROGRAM

Summary Notes:

This file unit contains Cooperative National Park Studies Resources Unit, Special Report No. 7 titled "Organ Pipe Cactus National Monument Biosphere Reserve Sensitive Ecosystem Program" by Peter S. Bennett and Michael R. Kunzman, October 1987.

Series Nbr: 12
File Unit: 02
Dates: 1987-1993
Title: CORRESPONDENCE AND NOTES

Summary Notes:

This file unit contains correspondence and memorandums regarding a 1993 workshop review, handwritten and typed meeting notes from 1990, a 1988 red list update, action program narrative from 1991, and an executive summary from October 1987.

Series Nbr: 12
File Unit: 03
Dates: 1988-2003
Title: PHOTOPOINT SLIDES AND NEGATIVES

Summary Notes:

This file unit contains color 35mm slides and negative strips of various photopoints:

Folder 3.1 contains black and white 35mm negative strips
Folder 3.2 contains Photopoint #1, 1989-2003, and Photopoint #2, 1988-2003
Folder 3.3 contains Photopoint #3, 1989-2003, and Photopoint #4, 1988-2003
Folder 3.4 contains Photopoint #5, 1988-2003
Folder 3.5 contains Photopoint #6, 1988-2003, and Photopoint #7, 1988-2003.

Series Nbr: 12
File Unit: 04
Dates: 1988
Title: REPORT ON TREATIES, AGREEMENTS, AND ACCORDS AFFECTING NATURAL RESOURCE MANAGEMENT

Summary Notes:

This file unit contains Cooperative National Park Studies Resources Unit, Special Report No. 8 titled "Report on Treaties, Agreements, and Accords Affecting Natural Resource Management at Organ Pipe Cactus National Monument," November 1988.

Series Nbr: 12

File Unit: 05

Dates: 1991

Title: PHOTOPOINT PHOTOGRAPHS AND NEGATIVES

Summary Notes:

This file unit contains Vegetation Photo Point photographs of Aguajita Wash, Alamo Canyon, Arch Canyon, Armenta Ranch, Bull Pasture, burn site, Dos Lomitas, Dripping Springs, East Armenta, Growler Canyon, Lost Cabin Mine, Lower Colorado Larrea, Neolloydia, Pozo Nuevo, Salsola, Senita Basin, and vulture site, taken on May 30, 1991. Folder 05.1 contains black and white photographs and Folder 5.2 contains black and white 35mm negative strips.

Series Nbr: 12

File Unit: 06

Dates: 1992

Title: SPECIAL STATUS AVIAN SPECIES

Summary Notes:

This file unit contains a "Special Status Avian Species Handbook" by R. Roy Johnson and Kathy L. Hiatt and a draft final report titled "Ecology of Special Status Avian Species at Organ Pipe Cactus National Monument" by Johnson and Hiatt.

Collection/Series: ORPI 15915/13

Series Title: SONORAN PRONGHORN

Accession: ORPI-00456

Catalog Nbr: ORPI 15915

Inclusive Dates: 1953-1995

Bulk Dates: 1981-1995

Scope: This series contains correspondence, proposals, permits, Investigator's Annual Reports, and reports related to the study and research of Sonoran pronghorns.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 13

File Unit: 01

Dates: 1953-1981

Title: SONORAN PRONGHORN - PROTECTED, THREATENED, AND ENDANGERED SPECIES

Summary Notes:

This file unit contains correspondence and memorandum regarding antelope counts, status of endangered pronghorns, critical habitats, and surveys; an Arizona Game and Fish Department pronghorn progress reports; and the results of a 1981 survey.

Series Nbr: 13

File Unit: 02

Dates: 1978-1985

Title: CAPTURING AND RADIO-COLLARING THE ENDANGERED SONORAN PRONGHORN (ANTILOCAPRA AMERICANA SONORIENSE)

Summary Notes:

This file unit contains correspondence, proposals, certification, status reports, a report on capture/collar, map of capture area, articles relating to pronghorns, notes, and results of a survey for a research project on Sonoran pronghorn capture and collar by the Sonoran Pronghorn Recovery Team.

Series Nbr: 13

File Unit: 03

Dates: 1981

Title: SONORAN PRONGHORN RECOVERY PLAN

Summary Notes:

This file unit contains an agency review draft of the Sonoran Pronghorn Recovery Plan, 1981 by the Sonoran Pronghorn Recovery Team.

Series Nbr: 13

File Unit: 04

Dates: 1985-1986

Title: SONORAN PRONGHORN STATUS IN ARIZONA

Summary Notes:

This file unit contains correspondence, team meeting minutes and recommendations, editorial comments and notes, and reports including "Situacion Actual Del Berrendo Antilocapra americana En Mexico: Un Estudio Prospectivo," Marzo, 1985 for a research project on the Sonoran pronghorn status in Arizona.

Series Nbr: 13

File Unit: 05

Dates: 1988-1989

Title: MONITORING THE EFFECTS OF LOW-ALTITUDE AIRCRAFT ON SONORAN PRONGHORN IN SOUTHWESTERN ARIZONA

Summary Notes:

This file unit contains correspondence; proposal; a draft study plan titled "Monitoring the Effects of Low-Altitude Aircraft on Sonoran Pronghorn in Southwestern Arizona" prepared by Wade L.

Eakle, Wildlife Biologist; and a progress report by the Arizona Game and Fish Department, June 1988.

This documentation is associated with a research project on monitoring the Effects of Low-Altitude Aircraft on Sonoran Pronghorn in Southwestern Arizona by Wade L. Eakle.

Series Nbr: 13

File Unit: 06

Dates: 1993, 1995

Title: SONORAN PRONGHORN HABITAT STUDY PLAN 1993

Summary Notes:

This file unit contains correspondence, proposals, permits, and a document titled "Sonoran Pronghorn Habitat Study Plan 1993" prepared by Robert P. Fink, Arizona Game and Fish Department for a research project on a Sonoran Pronghorn Habitat Study Plan by Fink.

Collection/Series: ORPI 15915/14

Series Title: WATER

Accession: ORPI- **Catalog Nbr:** ORPI 15915

Inclusive Dates: 1939-1992 **Bulk Dates:** 1980-1992

Scope: This series contains Correspondence, proposals, permits, Investigator's Annual Reports, reports, studies, surveys, indexes, data sheets, observation forms, and photographs related to the research and study of water and water-related resources.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 14

File Unit: 01

Dates: 1939-1940

Title: WATER SITUATION AND GROUND-WATER SOURCES REPORTS

Summary Notes:

This file unit contains:

- A report titled "Report on Water Situation at Organ Pipe Cactus National Monument" by Charles N. Gould, Regional Geologist, Region III, November 1939
 - A report titled "A Study of the Sources of Ground-Water at Organ Pipe Cactus National Monument" by Ross A. Maxwell, Regional Geologist, Region III, August 1940.
-

Series Nbr: 14

File Unit: 02

Dates: 1942

Title: SUGGESTIVE WATER DEVELOPMENT PROGRAM FOR WILDLIFE

Summary Notes:

This file unit contains a memorandum titled "Suggestive Water Development Program for Wild Life, Organ Pipe Cactus National Monument, Arizona" from H.V. Peterson, Geologist, United States Geological Survey to Paul Balch, Regional Soil Conservationists, National Park Service.

Series Nbr: 14

File Unit: 03

Dates: 1952

Title: GEOLOGY OF GROUND WATER

Summary Notes:

This file unit contains a photocopy of a memorandum report titled "Geology of Ground Water in Organ Pipe Cactus National Monument" by D.R. Coates, originally written in 1951.

Series Nbr: 14

File Unit: 04

Dates: 1963

Title: GROUND WATER STUDY

Summary Notes:

This file unit contains a photocopy of a memorandum report titled "Ground-Water Study of Organ Pipe Cactus National Monument" by the District Geologist to George M. Miller, Acting Regional Director.

Series Nbr: 14

File Unit: 05

Dates: 1965

Title: ECOLOGICAL RECONNAISSANCE OF QUITOBAQUITO SPRINGS

Summary Notes:

This file unit contains an article titled "An Ecological Reconnaissance of Quitobaquito Spring, Arizona" by Gerald A. Cole and Melbourne C. Whiteside, Arizona State University for the Journal of the Arizona Academy of Science, Volume 3, Number 3, April 1965.

Series Nbr: 14
File Unit: 06
Dates: 1967-1972
Title: WATER RESOURCES SURVEY

Summary Notes:

This file unit contains Water Resources Survey forms for Bates Well, the southwestern area, and Alamo Canyon; a narrative on a water source survey from 1971; memorandums on Water Resources Survey from 1968 and 1970; and a Water Resources Survey for Bates Well for FY72.

Series Nbr: 14
File Unit: 07
Dates: 1968
Title: WATER SOURCE REPORTS

Summary Notes:

This file unit contains Water Source Reports, many of which include annotated topographic maps, black and white photographs, and handwritten notes.

Series Nbr: 14
File Unit: 08
Dates: 1976
Title: WATER RESOURCES AND WILDLIFE INTERRELATIONSHIPS

Summary Notes:

This file unit contains a rough draft of a research proposal titled "Ecological Investigation of Water Resources and Wildlife Interrelationships at Organ Pipe Cactus National Monument, Arizona."

Series Nbr: 14
File Unit: 09
Dates: 1976-1984
Title: WELL DEPTH FIELD NOTEBOOK

Summary Notes:

This file unit contains a well depth field notebook for various wells around the park, taken from 1976 to January 1984.

Series Nbr: 14
File Unit: 10
Dates: 1981
Title: EVALUATION OF QUITOBAQUITO SPRINGS PROPOSAL

Summary Notes:

This file unit contains correspondence and a research proposal titled "Natural Resource Evaluation of Quitobaquito Springs, Organ Pipe Cactus National Monument" by Peter S. Bennett.

Series Nbr: 14

File Unit: 11

Dates: 1981

Title: PRELIMINARY STUDY OF THE INTERRELATIONSHIPS BETWEEN VERTEBRATE FAUNA AND SURFACE WATER

Summary Notes:

This file unit contains two proposals for a preliminary study of the interrelationships between vertebrate fauna and surface water resources by R.C. Hungerford, E.L. Cockrum, and C.H. Lowe.

Series Nbr: 14

File Unit: 12

Dates: 1982-1983

Title: INVESTIGATION INTO THE EFFECTS OF MAN-MADE WATER SOURCES AT ORGAN PIPE CACTUS NATIONAL MONUMENT

Summary Notes:

This file unit contains:

- Correspondence, permits, and Investigator's Annual Reports
- A proposal on the preliminary study of the interrelationships between vertebrate fauna and surface water resources
- A "Report on a Preliminary Investigation into the Effects of Man-Made Water Sources on Mammals in Organ Pipe Cactus National Monument" by Kenneth J. Kingsley
- An article titled "Stream Order in Ephemeral Watercourses: A Preliminary Analysis from the Sonoran Desert" by R. Roy Johnson, et al.

This documentation is associated with a research project on the Investigation into the Effects of Man-made Water Sources by R. Roy Johnson.

Series Nbr: 14

File Unit: 13

Dates: 1983-1985

Title: STUDY OF GROUND WATER CONDITIONS AT QUITOBAQUITO SPRINGS

Summary Notes:

This file unit contains correspondence, proposals, a yearly report, and daily discharge data for Quitobaquito Spring for a research project on the Study of Ground Water Conditions at Quitobaquito Springs by Steven R. Anderson, United States Geological Survey.

Series Nbr: 14

File Unit: 14

Dates: 1986-1993

Title: OPERATION OF GAGING STATION ON MONTEZUMA'S WELL AND MONITORING NETWORK AT QUITOBAQUITO SPRINGS

Summary Notes:

This file unit contains correspondence, a proposal, and provisional data for Quitobaquito Springs and associated wells and rain gages for a research project on the Operation of Gaging Station on Montezuma's Well and Monitoring Network at Quitobaquito Springs by the United States Geological Survey.

Series Nbr: 14

File Unit: 15

Dates: 1987-1989

Title: CHEMICAL TRANSFORMATION IN THE SEDIMENT-SOIL-GROUNDWATER SYSTEM, AJO VALLEY

Summary Notes:

This file unit contains correspondence, a research proposal titled "Chemical Transformations in the Sediment-Soil-Groundwater System, Ajo Valley, Organ Pipe Cactus National Monument" by Jennifer W. Harden, and certification for a research project of the same name by Harden.

Series Nbr: 14

File Unit: 16

Dates: 1988

Title: GROUNDWATER MONITORING SYSTEM

Summary Notes:

This file unit contains correspondence, proposals, and a project status sheet for FY87 for a research project on a Groundwater Monitoring System by the United States Geological Survey.

Series Nbr: 14

File Unit: 17

Dates: 1989

Title: HYDROLOGIC AND LIMNOLOGIC FEATURES OF QUITOBAQUITO POND AND SPRINGS

Summary Notes:

This file unit contains a Cooperative National Park Resources Studies Unit, Technical Report No. 22 titled "Hydrologic and Limnologic Features of Quitobaquito Pond and Springs, Organ Pipe Cactus National Monument" by Stuart G. Fisher.

Series Nbr: 14

File Unit: 18

Dates: 1989

Title: STUDY OF GROUND WATER CONDITIONS AT QUITOBAQUITO SPRINGS, LA ABRA PLAIN, AND SONOYTA VALLEY

Summary Notes:

This file unit contains correspondence, financial and contractual documentation, an Investigator's Annual Reports, and data of Quitobaquito Spring for a research project on the Study of Ground Water Conditions at Quitobaquito Springs, La Abra Plain, and Sonoyta Valley by the United States Geological Survey.

Series Nbr: 14

File Unit: 19

Dates: 1991-1992

Title: HYDROGEOLOGY OF QUITOBAQUITO SPRINGS AND THE AGUAJITA WASH DRAINAGE BASIN

Summary Notes:

This file unit contains correspondence, a research proposal titled "Hydrogeology of Quitobaquito Springs and the Agujita Wash Drainage Basin, Organ Pipe Cactus National Monument, Arizona"

by Brian S. Goodman, certification, permits, and an Investigator's Annual Report for a research project of the same name by Goodman.

Series Nbr: 14

File Unit: 20

Dates: 1991-1994

Title: HYDROGEOLOGY OF THE QUITOBAQUITO SPRINGS AND LA ABRA PLAIN AREA, AND SONORA, MEXICO

Summary Notes:

This file unit contains correspondence, proposals, a Natural Resources Project Statement, certification, permits, an Investigator's Annual Report, and a preliminary draft report titled "Hydrology of the Quitobaquito Spring and La Abra Plain Area, Arizona, and Sonora, Mexico" for a research project of the same name by Robert L. Carruth.

Series Nbr: 14

File Unit: 21

Dates: 1991-1996

Title: PRECIPITATION AND WATER USE IN ARID LAND ECOSYSTEM

Summary Notes:

This file unit contains correspondence, proposals, and certification/contract for a research project on Precipitation and Water Use in Aridland Ecosystems by James R. Ehleringer.

Series Nbr: 14

File Unit: 22

Dates: 1991-1992

Title: STREAM, CHANNEL MORPHOLOGY AND TRANSMISSION LOSS INVESTIGATIONS

Summary Notes:

This file unit contains correspondence, an Investigator's Annual Report, a letter report by Leonard J. Lane, and various related publications by for a research project on Stream, Channel Morphology and Transmission Loss Investigation by Lane.

Collection/Series: ORPI 15915/15

Series Title: WEATHER AND CLIMATE

Accession: ORPI-00457

Catalog Nbr: ORPI 15915

Inclusive Dates: 1947-1994

Bulk Dates: 1970-1994

Scope: This series contains observation records, weather recordation booklets, reports, and summaries related to weather and climate studies of the park.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 15
File Unit: 01
Dates: 1947-1972
Title: WEATHER SUMMARIES

Summary Notes:

This file unit contains weather data ranging from temperatures to relative humidity for 1949-1973, a quarterly rain gauge reading from 1978, Weather Bureau observations for various weeks in 1949 and 1948, and summary of rainfall for 1944-1948.

Series Nbr: 15
File Unit: 02
Dates: 1974-1994
Title: OFFICIAL WEATHER OBSERVER'S RECORD

Summary Notes:

This file unit contains Official Weather Observer's Record notepads for each month from 1974 to 1994.

Series Nbr: 15
File Unit: 03
Dates: 1980-1982
Title: RAIN GAUGE REPORTS

Summary Notes:

This file unit contains rain gauge data including related black and white photographs and annotated maps for various sites around the park.

Series Nbr: 15
File Unit: 04
Dates: 1984, 1988
Title: QUARTERLY CLIMATE DATA REPORT

Summary Notes:

This file unit contains quarterly climate data report for the Sensitive Ecosystems Contractors and related documentation and correspondence regarding datapod replacement costs.

Series Nbr: 15
File Unit: 05
Dates: 1993-1994
Title: SOUTHWEST AREA MONSOON PROJECT- SWAMP-93

Summary Notes:

This file unit contains correspondence, certification, an Investigator's Annual Report, and an Operations Plan for the 1993 Southwest Area Monsoon Project for a research project of the same name by the Environmental Research Laboratories National Severe Storms Laboratory.

Series Nbr: 15

File Unit: 06

Dates: 1944-1991

Title: RECORD OF CLIMATOLOGICAL OBSERVATIONS

Summary Notes:

This file unit contains Record of Climatological Observation and Record of River and Climatological Observation forms from 1951-1991. This file unit also contains Monthly Summary of Form 1009 for 1948-1951, notes, and related data sets for climate and weather.

Collection/Series: ORPI 15915/16

Series Title: WILDLIFE

Accession: ORPI-00458

Catalog Nbr: ORPI 15915

Inclusive Dates: 1939-1992

Bulk Dates: 1939-1992

Scope: This series contains reports, observation forms and cards, and rare and endangered species inventory forms for the study and research of wildlife.

Arrangement: This series is arranged, when possible, by year order.

Series Nbr: 16
File Unit: 01
Dates: 1938-1992
Title: WILDLIFE OBSERVATION CARDS

Summary Notes:

This file unit contains 3.5 by 7.25 sized observation records and cards from 1938-1962 and Natural History Field Observation forms from 1986-1992.

Series Nbr: 16
File Unit: 02
Dates: 1960-1975
Title: WILDLIFE OBSERVATIONS

Summary Notes:

This file unit contains:

- Wildlife Observation Forms from 1968-1975
 - List of recorded observations of Sonoran pronghorn
 - Handwritten lists of white-tail deer, bighorn sheep, gila monster, coati mundi, and ring tail cat sightings.
-

Series Nbr: 16
File Unit: 03
Dates: 1979-1980
Title: RARE AND ENDANGERED SPECIES INVENTORY FORMS

Summary Notes:

This file unit contains Rare and Endangered Species Inventory Forms from September 25, 1969.

Series Nbr: 16
File Unit: 04
Dates: 1979-1980
Title: ARIZONA COOPERATIVE WILDLIFE RESEARCH UNIT ANNUAL REPORT

Summary Notes:

This file unit contains an annual report of the Arizona Cooperative Wildlife Research Unit, Volume 30, October 1979-September 1980.
