



Guide to the  
Donald E. Wilson Earth Resources Survey Program Papers, 1972-1983  
PP07.13-DW

NASA Ames History Office  
NASA Ames Research Center

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## **Descriptive Summary**

**Title:** Donald E. Wilson Earth Resources Survey Program Papers, 1972-1983

**Collection Number:** PP07.13-DW

**Creator:** Wilson, Donald E.

**Dates (inclusive):** 1972-1983

**Extent:** Number of containers: 10

Volume: 4 cubic feet

### **Repository:**

NASA Ames History Office  
Moffett Field, California 94035

**Abstract:** This collection includes reports, correspondence, newsletters, maps, and imagery documenting the applications of remote sensing of earth resources and technology transfer efforts to establish Landsat data analysis capabilities in the Pacific Northwest region of the United States. The collection is arranged in six series that reflect the administration, programs, and records related to these earth resources survey applications projects, as well as the activities of Donald E. Wilson during his career at the NASA Ames Research Center.

**Language:** English

## **Administrative Information**

### **Access:**

Collection is open for research.

### **Publication Rights:**

Copyright does not apply to United States government records. For non-governmental material, researcher must contact the original creator.

### **Preferred Citation:**

Expanded:

NASA Ames History Office, NASA Ames Research Center. Moffett Field, California.

PP07.13-DW, Donald E. Wilson Earth Resources Survey Program Papers, [Container number] : [Folder number]. [Identification of item]. [Date, if available].

Abbreviated:

NASA ARC. PP07.13-DW, [Container number] : [Folder number]. [Identification of item]. [Date, if available].

### **Acquisition Information:**

Transferred by Robert E. Slye in August 2007.

## **Custodial History**

The accumulated records of Donald E. Wilson were given to Robert E. Slye (NASA Advanced Supercomputing Division) to store when Wilson retired in 1988.

## **Administrative and Biographical History**

Donald E. Wilson began his career at the NASA Ames Research Center as a member of the Entry Simulation Team (Code ESB) in 1962. From 1963 to 1971, Wilson worked in the Materials Research Branch (Code SVM) of the Vehicle and Environment Division (Code SV) under the Astronautics Directorate (Code S). It was renamed the Materials Science Branch (Code STS) and reassigned to the Thermo- and Gas-Dynamics Division (Code ST) in 1972, when the Vehicle and Environment Division, which had supported the Apollo missions, was eliminated. During the course of his materials science research, Wilson co-authored technical reports on the thermal analysis of polymeric materials, as well as a study on low temperature cooling techniques.

In August 1972, NASA headquarters chartered Ames with the lead center responsibility for the remote sensing aircraft program. The Applications Aircraft Support Program Office (AASPO), managed by Edward W. Gomersall, was established in December 1972 to provide aerial support for earth observation satellites, remote sensing applications, and damage assessments. The AASPO fleet included two U-2 aircraft, which were made available for research purposes by the U.S. Air Force and arrived at Ames in 1971. (The civilian version of U-2 aircraft was named ER-2 for earth resources.) Wilson was assigned to the Evaluation and Analysis section of the AASPO, also known as the Applications Aircraft and Future Programs Office. In 1974, Wilson assumed the role of Technical Assistant with the Thermo- and Gas-Dynamics Division.

In 1976, Wilson was assigned to the User Applications Branch (Code SEA) of the Airborne Missions and Applications Division (Code SE), headed by Dale R. Lumb. The branch was renamed the Technical Applications Branch in 1979. Ames hosted the Western Regional Remote Sensing Conference in 1979 and 1981 to aid in the transfer of operational capabilities for the utilization of remote sensing technology for earth resource management among state and local governments, private industry, and universities.

In 1979, Carter's Presidential Directive 54 initiated the transfer of Landsat operations from NASA to the National Oceanic and Atmospheric Administration (NOAA). Two years later, President Reagan proposed the termination of all regional commissions, as well as reduced funding to technology transfer programs, which accelerated the commercialization of satellite operations. In response, Ames underwent a major reorganization in 1984 in which the Airborne and Missions Applications Division was removed. Wilson was transferred to the Medium Altitude Missions Branch (Code OMM) in the Science and Applications Aircraft Division (Code OM) under the Director of Flight Operations and retired on April 22, 1988.

### *Landsat*

The Earth Resources Technology Satellite (ERTS), renamed Landsat in 1975, was equipped with remote sensors, including high resolution multispectral scanner systems (MSS), return

beam vidicon (RBV) imaging systems (used on Landsat 1, 2 and 3), and thematic mapper instruments (first used on Landsat 4), designed to acquire data to categorize Earth's surface. The first satellite, ERTS-1, was launched in 1972, and Landsat 4 was launched in 1982. Landsat is the longest running enterprise for the acquisition of imagery of the earth from space.

### **Sources Consulted:**

Bugos, Glenn E. Atmosphere of freedom: sixty years at the NASA Ames Research Center. Washington, D.C.: NASA SP4314, 2000.

Hartman, Edwin. Adventures in Research: A History of Ames Research Center, 1940-1965. Washington, D.C.: NASA SP-4302, 1970.

Landsat Program. <http://geo.arc.nasa.gov/sge/landsat/landsat.html> (accessed November 2, 2009).

Muenger, Elizabeth A. Searching the Horizon: A History of Ames Research Center, 1940-1976. Washington, D.C.: NASA SP-4204, 1985.

NASA Ames History Office, NASA Ames Research Center. Moffett Field, California. AFS1030.39A, Ames Astrogram Collection. 1973-1988.

NASA Ames History Office, NASA Ames Research Center. Moffett Field, California. AFS1070.8A, Archives Reference Collection. Telephone Directories. 1962-1983.

Tuyahov, Alex. Technology Transfer Program: Perspective. NASA Ames Research Center, Western Regional Remote Sensing Conference Proceedings, 1981.

### **Scope and Content**

The Donald E. Wilson Earth Resources Survey Program Papers (4 cubic feet) includes reports, project plans, proposals, consortium agreements, meeting minutes, memos, correspondence, newsletters, maps, lithographs, photographs, and slides documenting demonstrations of useful applications of remote sensing data to manage earth resources. The collection also contains records that cover the transfer of computing technology to establish Landsat imagery analysis capabilities within local and state agencies in the western United States, primarily in the Pacific Northwest region. The collection is arranged in six series that record the administration and progress of the Landsat applications programs with a focus on NASA's role in research and the commercial potential for operational technology programs.

The first series documents the activities of the Applications Aircraft Support Programs Office in the early 1970s. An earth resource survey cost benefit study presented to the Office of Management and Budget was vital to the national decision to pursue an operational earth remote sensing system. Land use maps and classification systems are also included.

The second series, Pacific Northwest Region, contains records encompassing Washington, Oregon, and Idaho. With its inception in 1972, the Pacific Northwest Regional Commission (PNRC), which consisted of the governors and a federal co-chairman appointed by the President, was charged with setting priorities and approving projects that contributed to the economic development of the region. The PNRC established Land Resources Inventory Demonstration Projects (LRIDP) to demonstrate the utility of Landsat imagery analysis to earth resource management. The Landsat Application Program (LAP) was later conceived as a three-year continuation of LRIDP to establish full in-state operational capability for Landsat data analysis systems. In 1974, the PNRC formed the Technology Transfer Task Force, composed of representatives from the three states, NASA, and the U.S. Geological Survey (USGS), to oversee LAP, specifically to make recommendations, as well as monitor and coordinate technology transfer activities. NASA's role was to provide technical consulting and assistance in methodology for the users in state and local agencies. This included some support of the Western Regional Applications Program (WRAP) and Application System Verification and Transfer (ASVT) projects, both of which comprise a relatively small number of items in this collection.

The third series, Land Resources Inventory Demonstration Projects / Landsat Applications Program, represents the majority of the collection. It contains project proposals, reports, letters, and consortium agreements with universities documenting demonstrations of the use of Landsat data for applications to land use management, urban development planning, range surveys, and inventories of forestry, game, and water resources. Documents associated with establishing image analysis systems are also included.

The fourth series, Landsat imagery, contains lithographs of RBV (return beam vidicon) images, primarily illustrating the classification of Tacoma land use intensity and Portland census tracts.

The fifth series contains the entire set of the Pixel Facts newsletter, which provided updates on Landsat project activities from 1975 to 1979.

The sixth series includes miscellaneous papers not filed with specific programs.

Supplemental aids to the collection are available on the NASA Ames History Office website.

## System of Arrangement

The papers are arranged into six series, chronologically, by region and function:

- I. Applications Aircraft Support Programs Office (AASPO), 1972-1976.
  1. Aircraft Earth Resources Technology Satellite Support, 1972-1976
  2. Land Use, 1973-1974
- II. Pacific Northwest (PNW) Region, 1975-1983.
  1. Pacific Northwest Regional Commission Reviews, 1975-1981
  2. Technology Transfer Task Force, 1979-1981
  3. Reviews for NASA Headquarters, 1979-1983
- III. Land Resources Inventory Demonstration Projects (LRIDP) / Landsat Applications Program (LAP), 1976-1982.
  1. Washington State, 1976-1981
  2. Oregon State, 1976-1980
  3. Idaho State, 1974-1981
  4. Consortium Agreements 1979-1982
  5. LAP Computing Systems, 1976-1981
- IV. Imagery, 1975-1980.
- V. Pixel Facts Newsletter, 1975-1981.
- VI. Miscellaneous Files, 1976-1982.

## Series Descriptions

### **Series I: Applications Aircraft Support Programs Office (AASPO), 1972-1976, 7 folders.**

This series is arranged into two subseries: aircraft support of the ERTS and land use.

The first subseries, Aircraft Earth Resources Technology Satellite Support, contains plans outlining the development of a cost-effective survey system utilizing NASA aircraft support of the ERTS program. The AASPO was based at Ames, which was assigned as the lead center to plan, integrate, coordinate, and review the application and utilization of aircraft support resources. Of interest is the inclusion of a *Nature* article entitled "ERTS - Technological Success, Scientific Failure?"

The second subseries, Land Use, contains records regarding land use, including workshop information and maps from the U.S. Department of the Interior and the USGS, as well as NASA review meeting minutes from 1974.

### **Series II: Pacific Northwest (PNW) Region, 1975-1983, 52 folders.**

This series is arranged into three subseries concerning activities spanning the Pacific Northwest Region. Each subseries is arranged in chronological order.

The first subseries, Pacific Northwest Regional Commission Reviews, contains primarily high-level reviews of projects, including proposals, plans, budgets, reports, and presentations. These include evaluation criteria for considering potential projects, as well as users' reflections on their experiences.

The second subseries, Technology Transfer Task Force (T3F), is significantly smaller and contains records with a more limited scope, focusing on specific T3F activities, including meeting minutes. Notably, the T3F received the "Public Service Achievement Award" from NASA on October 20, 1981 in recognition for its work managing over twenty projects with more than thirty agencies and helping users successfully acquire operational capabilities.

The third subseries, Reviews for NASA Headquarters, consists of reviews for NASA headquarters. These consisted predominantly of presentations for Alexander J. Tuyahov, Chief of the Space Applications Development Branch, regarding geographic information systems and the Alaska ASVT. Of particular note is the NASA headquarters' Landsat study review, including "Lessons Learned."

### **Series III: Land Resources Inventory Demonstration Projects (LRIDP) / Landsat Applications Program (LAP), 1976-1982, 100 folders.**

This series contains the bulk of the collection. The projects are arranged into subseries by state and discipline, including, urban planning, forestry, and range inventory. Within these groupings, the files are ordered chronologically.

The first and largest subseries contains documents relating to Washington State. Overarching LRIDP reports and LAP proposals are presented first, followed by projects covering urban development in Tacoma and the Puget Sound region, Columbia River Basin ASVT, and U-2 surveys of the Mount St. Helens disaster assessment following its eruption on May 18, 1980. The last project folder includes an article questioning the involvement of federal agencies in basic research. The establishment of the Washington State University Computing Service Center is also documented.

The second subseries relates to projects in the state of Oregon. Its subdivisions begin with LAP proposals, along with forestry, range, and other smaller projects.

The third subseries covers Landsat projects in Idaho.

The fourth subseries contains consortium agreements with universities in Oregon and Washington.

The fifth subseries relates to the development of operational facilities with Landsat data analysis capabilities within the Pacific Northwest states. This included visits from the MATE (Mobile Analysis and Training Extension) Van, which was equipped with data processing equipment, and support from the Jet Propulsion Laboratory (JPL) for the implementation of VICAR/IBIS (Video Image Communication and Retrieval / Image Based Information System). Manuals and vendor contracts are also included here.



**Series IV: Imagery, 1975-1980, 13 folders.**

This series contains Landsat imagery categorizing land use in Tacoma, Washington and Portland, Oregon. It also includes, to a lesser extent, Landsat images from other projects, such as inventories of Ada County, Idaho agricultural lands, and Snake River, Idaho irrigated lands. The series also includes lists of Landsat scenes, photographs of Landsat data analysis facilities, and a U.S. Landsat coverage map. Folders are arranged alphabetically by title.

**Series V: Pixel Facts Newsletter, 1975-1981, 6 folders.**

The fifth series contains Pixel Facts, a bimonthly newsletter that described the activities, results, and status of projects related to the transfer of Landsat data analysis capabilities to federal and commercial users. This series is arranged chronologically.

**Series VI: Miscellaneous Files, 1976-1982, 6 folders.**

The sixth series contains miscellaneous material not filed with specific programs and is comprised of papers presented at a remote sensing symposium, an article on sampling methods with a bibliography, memos, and correspondence. Of note is a letter regarding concerns about the accuracy and verification of Landsat data. This series is also arranged chronologically.

### Acronyms List

AASPO	Applications Aircraft Support Program Office
APT	Application Pilot Test
ASVT	Application Systems Verification and Transfer
CCT	Computer Compatible Tape
CIRSS	California Integrated Remote Sensing System
EODMS	Earth Observation Data Management Systems
EOS	Earth Observing System
ERIM	Environmental Research Institute of Michigan
EROS	Earth Resources Observing System
ERSAL	Environmental Remote Sensing Applications Laboratory (at Oregon State University)
ERSS	Earth Resources Survey Operational System
ERTS	Earth Resources Technology Satellite
ESL	Electromagnetic Systems Laboratory, Inc.
ESM	Earth Sensing Mechanisms
GES	Goddard Earth Science (NASA)
GIS	Geographic Information System
JPL	Jet Propulsion Laboratory
JSC	Johnson Space Center (NASA)
LAP	Landsat Applications Program
LRIDP	Land Resources Inventory Demonstration Project
LUMIS	Land Use Management Information System
MATE Van	Mobile Analysis and Training Extension Van
MSS	Multispectral Scanner System
NASA	National Aeronautical and Space Administration
NAPP	Northwest Agricultural Policy Project
NOAA	National Oceanic and Atmospheric Administration
OMB	Office of Management and Budget
OSU	Oregon State University
PNRC	Pacific Northwest Regional Commission
PNW	Pacific Northwest
RBV	Return Beam Vidicon
STC	Stanford Technology Corporation
T3F	Technology Transfer Task Force
TAP	Technology Advancement Program
TMS	Thematic Mapper Simulation
USGS	United States Geological Society
UW	University of Washington
VICAR/IBIS	Video Image Communication and Retrieval / Image Based Information System
WRAP	Western Regional Applications Program
WSU	Washington State University
WSUCSC	Washington State University Computing Service Center

## **Indexing Terms**

The following terms may be used to index this collection.

### Corporate Name

Ames Research Center

United States. National Aeronautics and Space Administration

### Geographic Name

Moffett Field (Calif.)

Pacific Northwest (U.S.)

### Personal Name

Wilson, Donald E.

### Subjects

Earth observations (from space)

Earth Resources Survey aircraft

Earth Resources Survey Program

Geographic information systems

Landsat satellites

Remote sensing

Technology transfer

### **Related Collections**

Robert E. Slye Papers, 1961-2001 (PP07.13-RS)

## Container List

### Series I: Applications Aircraft Support Programs Office (AASPO), 1972-1976

#### 1. Aircraft Earth Resources Technology Satellite (ERTS) Support, 1972-1976

Box	Folder	Folder Title
1	1	AASPO Study, 1972-1974
1	2	ERTS Cost/Benefit, 1973-1976
1	3	Benefits from Aerial Surveys, 1974

#### 2. Land Use, 1973-1974

Box	Folder	Folder Title
1	4	US Geological Survey Circular 671, Land Use Classification System, 1973
1	5	Land Use Panel, 1974
1	6	Minutes, Land Use Review Meeting, Johnson Space Center, March 28-29, 1974
1	7	Washington D.C., Land Use Maps, James Wray 1974

### Series II: Pacific Northwest (PNW) Region, 1975-1983

#### 1. Pacific Northwest Regional Commission (PNRC) Reviews, 1975-1981

Box	Folder	Folder Title
1	8	PNW Project Plan, 1975
1	9	PNW Project Plan, 1975-1976
1	10	PNW Collection of Papers 1975-1980
1	11	Landsat-C (Landsat 3), 1976
1	12	Demonstration Plans (1 of 2), 1976
2	1	Demonstration Plans (2 of 2), 1977-1978
2	2	Ames as a Regional Center, 1977
2	3	Phase IV Study Meeting, May 4, 1977
2	4	Phase IV Survey of Existing Capabilities, 1977
2	5	Fiscal Year 1977, PNW Accounting, October 26, 1977
2	6	Project Budget, 1977-1979
2	7	Peterson, Card, Forestry Issues, March 27-28, 1978

2	8	PNW Plan, April 10, 1978
2	9	Agriculture Task Force Meeting, May 31, 1978
2	10	LRIDP Report, September 1978
2	11	Bibliography (PNW), 1978
2	12	LAP Status Reports, 1978
2	13	LRIDP Final Document, 1978
2	14	McCormick Paper on LRIDP, 1978
3	1	LAP Guidelines, 1978
3	2	LAP Status/Budget Costs, 1978-1979
3	3	Northwest Agricultural Project (PNRC), 1978-1979
3	4	PNW-Forestry Productivity Task Force, 1979
3	5	PNW-LAP Project Plan, July 1979
3	6	PNW Governors, September 1979
3	7	LAP Project Plan - Schedules and Resources, 1979
3	8	PNW ASVT - Project Plan, PNW/LAP, 1979
3	9	LAP Proposals, 1979-1980; Final Proposal February 7, 1979
3	10	Monthly Progress Reports "Bendix," 1979-1980
3	11	PNW Budgets, Spot Reports, 1979-1980
3	12	ASVT Status Reports, PNW, 1979-1981
3	13	Financial Plans and Status, January 1980
3	14	PNW Spot Reports, 1980
3	15	PNW Presentation, August 1980
3	16	PNW Review, August 1980
3	17	Operational Alternatives for WRAP, 1980
3	18	PNW Brochure (LAP), 1980
3	19	Technology Advancement Program Proposal and Letters of Support, 1981
3	20	PNW Thematic Mapper Simulation Project, 1981
3	21	DBMS PNW LAP Projects, undated
3	22	Project Selection Criteria, undated

## **2. Technology Transfer Task Force (T3F), 1979-1981**

Box	Folder	Folder Title
3	23	T3F Funding Proposals, August 1979
3	24	Technology Transfer Bibliography by Ida Hoos, April 11, 1979
3	25	T3F Group Achievement Award, May-July 1981

4	1	Letters of Support (Position Paper of WRAP Centers), 1981
4	2	Executive Summary, Hoos-Sharp, undated

### **3. Reviews for NASA Headquarters, 1979-1983**

Box	Folder	Folder Title
4	3	PNW Review for NASA Headquarters, March 1979
4	4	PNW ASVT Review Material to Tuyahov, June 9, 1980
4	5	HQ Landsat Study (Thome), 1982
4	6	Office of Management and Budget Presentation, April 1, 1982
4	7	Tuyahov Review, October 1, 1982
4	8	Tuyahov Review, February 17-18, 1983

### **Series III: Land Resources Inventory Demonstration Projects (LRIDP) / Landsat Applications Program (LAP), 1974-1982**

#### **1. Washington State, 1976-1981**

##### **A. Washington LRIDP Reports, 1976**

Box	Folder	Folder Title
4	9	Washington University, Final Report, EODMS (1 of 2), December 31, 1976
4	10	Washington University, Final Report, EODMS (2 of 2), 1976

##### **B. Washington LAP, 1978-1980**

Box	Folder	Folder Title
4	11	Washington State Operational (LAP), 1978
4	12	Washington LAP, 1979
4	13	Washington LAP Proposals, 1979
4	14	Washington LAP Demonstrations, U.W., December 19, 1979
4	15	Washington LAP Project Proposals, 1979-1980

## **C. Washington Projects, 1976-1981**

### **i. Urban Development, 1976-1980**

Box	Folder	Folder Title
4	16	Urban Discipline Review, November 19, 1976
4	17	Puget Sound Urban, 1976
4	18	User Needs Puget Sound, 1976-1977
5	1	Tacoma Phase 3B, 1976-1978
5	2	Tacoma Phase IIIB, 1976-1978
5	3	Change Detection (Puget Sound), 1977
5	4	Puget Sound Final Output Products, 1977
5	5	Project Evaluation, 1978
5	6	Questionnaire Replies Puget Sound, Final Output Products, 1978
5	7	Tacoma Letters, 1980

### **ii. Washington Forestry and Game, 1977-1980**

Box	Folder	Folder Title
5	8	Washington Forestry, 1977-1978
5	9	Washington Department of Game Ruffed Grouse, 1979
5	10	Department of Game (Washington), 1979
5	11	Department of Game Project, 1980
5	12	Washington Department of Game / WSU Project, 1980
5	13	Washington Game Ruffed Grouse Final Report, 1980

### **iii. Washington Range, 1978-1979**

Box	Folder	Folder Title
5	14	Washington Range, 1978
5	15	Washington Range (Joe Foster), 1978
5	16	Washington Range LRIDP, 1979

#### **iv. Columbia River Basin, 1978-1979**

Box	Folder	Folder Title
5	17	Columbia River Basin ASVT, 1978
5	18	Columbia River Basin ASVT, 1978-1979
5	19	ASVT Presentation, April 29, 1978
5	20	Columbia River Basin U.S. Army Corps of Engineers Plan, 1979

#### **v. Mount St. Helens, 1980-1981**

Box	Folder	Folder Title
5	21	Department of Natural Resources, WSU Correspondence File, 1980-1981
5	22	Mount St. Helens Disaster Assessment (1 of 2), 1981
6	1	Mount St. Helens Disaster Assessment (2 of 2), 1981

#### **vi. Other Washington Projects, 1976-1980**

Box	Folder	Folder Title
6	2	Spokane - Kootenai, 1976
6	3	Spokane - Washington State University Status, 1978
6	4	Washington Department of Ecology, 1978-1980

#### **D. Washington State University Computer Center (WSUCSC), 1978-1981**

Box	Folder	Folder Title
6	5	WSU Computer Center Meeting, October 6, 1978
6	6	Washington State Computing Center, 1978-1981
6	7	WSUCSC Meeting, February 1, 1979

#### **2. Oregon State, 1976-1980**

##### **A. Oregon LAP, 1976-1980**

Box	Folder	Folder Title
6	8	Portland Urban Landsat Project (1 of 2), 1976-1977
6	9	Portland Urban Landsat Project (2 of 2), 1976-1978
6	10	Crook County LAP Proposal, 1978



6	11	Oregon LAP Proposals, 1978
6	12	Oregon Operational LAP, 1978-1979
6	13	Oregon LAP Proposals, 1978-1980
7	1	Oregon Landsat Projects, 1979-1980

## **B. Oregon Projects, 1976-1980**

### **i. Oregon Forestry, 1976-1978**

Box	Folder	Folder Title
7	2	Oregon Forestry, 1976-1978
7	3	Forestry (General), 1978
7	4	Oregon Forestry, 1978

### **ii. Oregon Range, 1977-1980**

Box	Folder	Folder Title
7	5	Range (General), 1977
7	6	Oregon Range, 1978
7	7	Oregon Range Final Documentation, 1979
7	8	Oregon Range Final Report, 1979-1980

### **iii. Other Oregon Projects, 1976-1980**

Box	Folder	Folder Title
7	9	Oregon Reservoir, September 1, 1976
7	10	Surface Mining, October 31, 1977
7	11	Tansy, 1977
7	12	Oregon US Fish and Wildlife Service, Technical Proposal, 1977
7	13	Oregon Landsat - Oregon Lands Report, 1979-1980
7	14	Oregon Game Final Report LRIDP, 1979-1980
7	15	Irrigated Croplands APT, undated
7	16	Oregon Computer Capability Proposal, undated

### **3. Idaho State, 1974-1981**

#### **A. Idaho Forestry, 1976-1979**

Box	Folder	Folder Title
7	17	Idaho Forestry, 1976-1977
7	18	Idaho Forestry, 1977-1978
7	19	Idaho Forestry - PNW Project Documentation, 1979

#### **B. Idaho Land Inventory, 1974-1979**

Box	Folder	Folder Title
7	20	Ada County, Idaho Land Use, 1974-1977
7	21	Idaho Department of Lands Final Report (1 of 2), 1979
7	22	Idaho Department of Lands Final Report (2 of 2), 1979

#### **C. Idaho Game and Range, 1978-1980**

Box	Folder	Folder Title
8	1	Idaho Range, 1978-1980
8	2	Idaho Range, LRIDP, circa 1980
8	3	Idaho Game Final Report, LRIDP, 1980

#### **D. Other Idaho Projects, 1976-1981**

Box	Folder	Folder Title
8	4	Idaho Agriculture, 1976-1978
8	5	Idaho Operational (LAP) (1 of 2), 1978
8	6	Idaho Operational (LAP) (2 of 2), 1979-1980
8	7	Idaho Department of Water Resources Letters, 1980-1981
8	8	Idaho Department of Water Resources LAP Final Report, undated

#### **4. Consortium Agreements, 1979-1982**

##### **A. Oregon State University, 1979-1981**

Box	Folder	Folder Title
8	9	Oregon State University Consortium Agreement LAP, 1979
8	10	Oregon State University Consortium, June 1979
8	11	Oregon State University Consortium, Isaacson (1 of 2), 1981
8	12	Oregon State University Consortium, Isaacson (2 of 2), 1981

##### **B. Washington, 1980-1982**

Box	Folder	Folder Title
8	13	Western Washington Consortium, 1980
8	14	WSU Consortium VICAR/IBIS, 1980
9	1	WSU Consortium, 1980-1981
9	2	U.W. Consortium, 1980-1981
9	3	U.W. Consortium Agreement and Correspondence, 1981-1982

#### **5. LAP Computing Systems, 1976-1981**

##### **A. Image Analysis Systems, 1976-1981**

###### **i. VICAR/IBIS, 1975-1981**

Box	Folder	Folder Title
9	4	JPL VICAR Implementation, 1975-1979
9	5	JPL Letter, April 13, 1979
9	6	JPL VICAR IBIS Course, May 14-17, 1979
9	7	Memos and Meetings, 1979
9	8	VICAR/IBIS, 1981

###### **ii. MATE Van, 1979-1980**

Box	Folder	Folder Title
9	9	MATE Van Visit Info, 1980
9	10	Patrick Vaughan, July 17, 1979 - April 16, 1980

### **iii. Manuals and Documentation, 1976-1980**

Box	Folder	Folder Title
9	11	LUMIS Interactive Graphics Manual, 1976
9	12	EDITOR Software System Documentation, 1978
9	13	Terminals, 1978-1980
9	14	GES (manual), undated

### **B. Vendor Contracts, 1977-1981**

Box	Folder	Folder Title
9	15	ESL Contract, 1977-1978
9	16	Stanford Technology Corporation Software Contract, 1979-1981
9	17	Ron Danielson, LARC Contract Reports, 1979-1981
9	18	FORTRAN IV Contract, 1980
9	19	Ron Danielson, California DWR System Study, 1981

### **Series IV: Imagery, 1975-1980**

Box	Folder	Folder Title
9	20	Available EDIES Scenes, 1977-1978
10	1	Idaho Agriculture Imagery, 1975
10	2	Landsat Scene in Branch, 1978
10	3	Landsat Georeference Marks, June 21, 1979
10	4	Operational Facilities PNW - Pictures of Facilities, undated
10	5	Oregon Department of Forestry RBV, March 21, 1979
10	6	Pikes Peak (Wyo.), 1980
10	7	Portland Imagery, undated
10	8	Project Imagery, 1. Puget Sound, 2. Tansy Ragwort, 3. Idaho Agriculture, 4. SeaSat, undated
10	9	RBV Imagery, 1978
10	10	Regional Census Tract, Landsat Classification, 1976
10	11	Tacoma Imagery, circa 1977
10	12	Washington Landsat Scenes, 1977-1978

**Series V: Pixel Facts Newsletter, 1975-1981**

Box	Folder	Folder Title
10	13	Newsletter, Pixel Facts (1 of 2), 1975-1977
10	14	Newsletter, Pixel Facts (1 of 2), 1978-1979
10	15	Proposal to Develop Pixel Facts Newsletter, circa 1979
10	16	Pixel Facts Contract, 1979-1980
10	17	Pixel Facts Letters, 1981
10	18	Pixel Facts Correspondence, 1981

**Series VI: Miscellaneous Files, 1976-1982**

Box	Folder	Folder Title
10	19	Correspondence, 1976-1978
10	20	Memos, 1978
10	21	Eleventh Symposium on Remote Sensing ERIM, April 1, 1977
10	22	Sampling Statistics (General), January 1978
10	23	Per Diem Rates, 1979
10	24	Letters, March 1982