

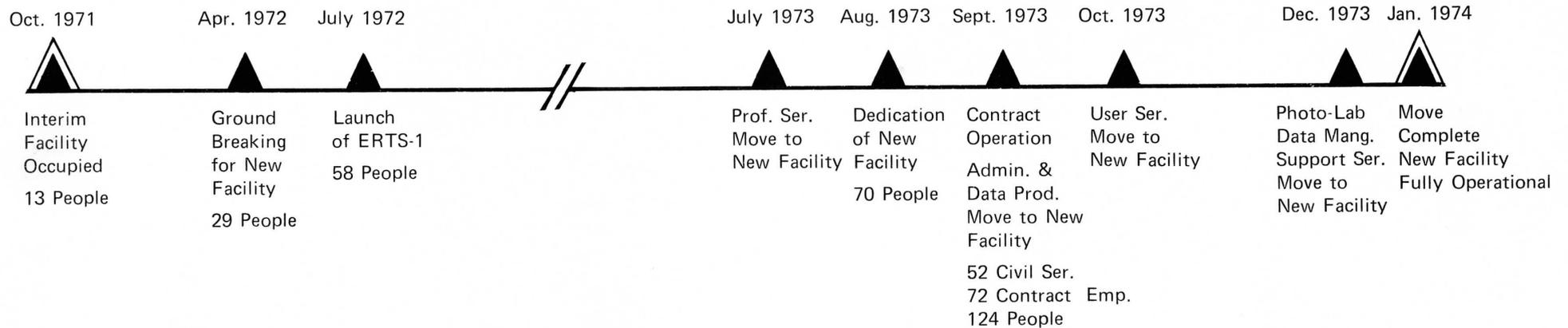
EARTH RESOURCES OBSERVATION SYSTEM PROGRAM

EROS Data Center

November, 1973

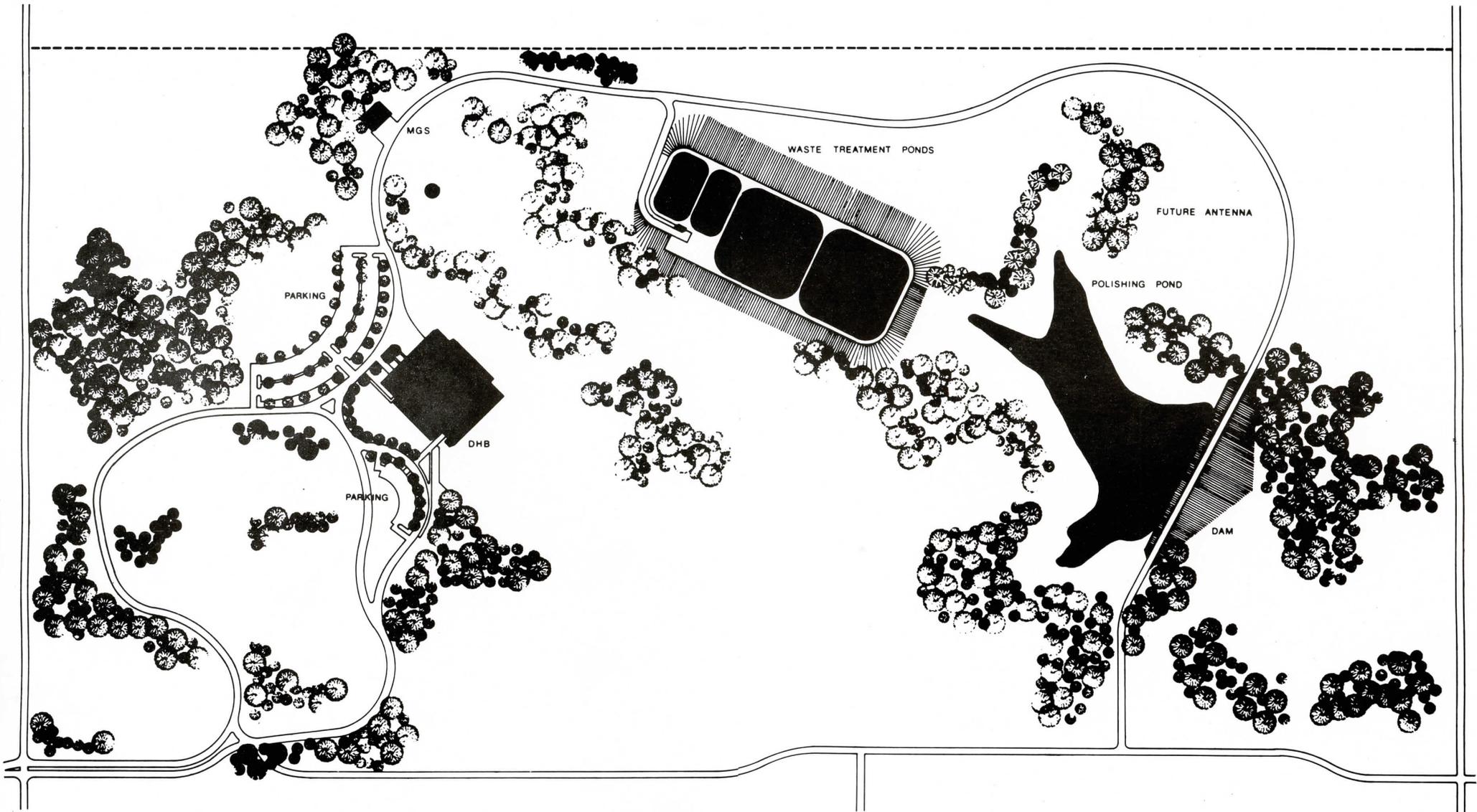
U. S. Department of the Interior
Geological Survey
EROS Data Center
Sioux Falls, South Dakota 57198

A Quick Look History of the EROS Data Center





EROS DATA CENTER

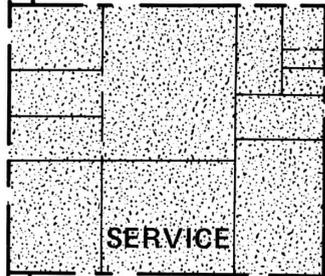
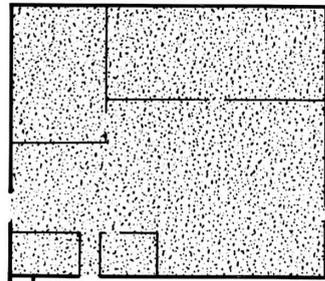


0 500 feet

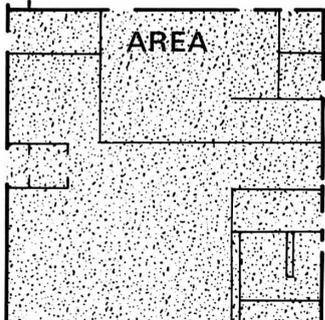
EROS DATA CENTER SITE



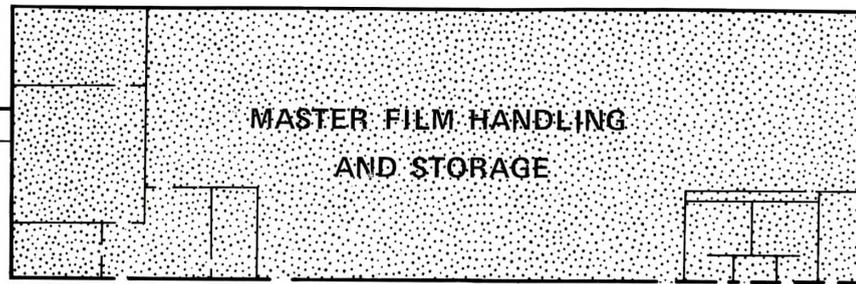
NORTH



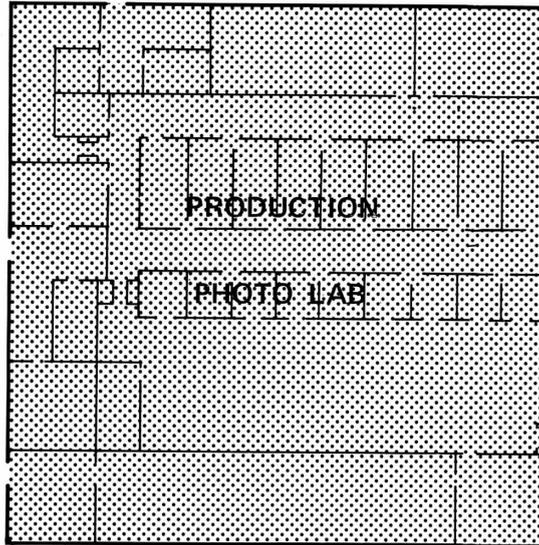
SERVICE



AREA

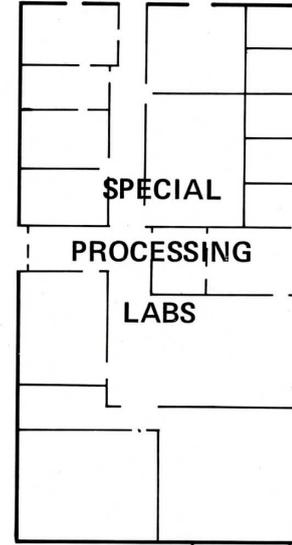


MASTER FILM HANDLING
AND STORAGE



PRODUCTION

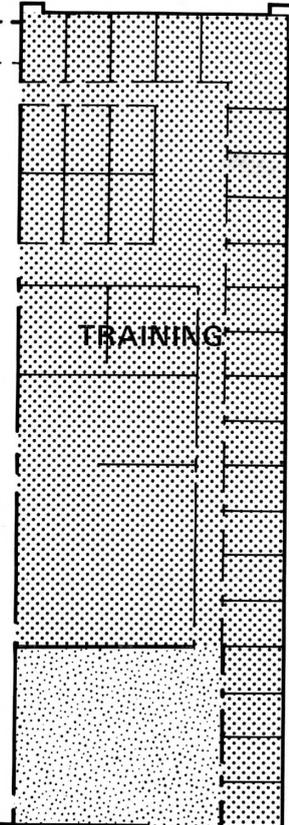
PHOTO LAB



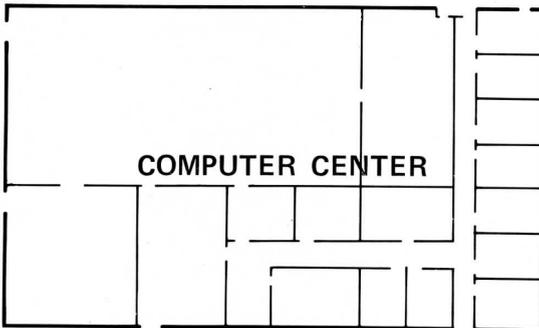
SPECIAL

PROCESSING

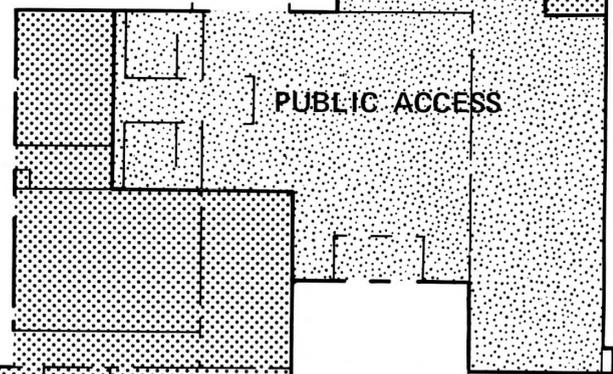
LABS



TRAINING



COMPUTER CENTER



PUBLIC ACCESS



ADMINISTRATION

KARL E. MUNDT FEDERAL BUILDING

Floor Plan

EROS DATA CENTER

- National Data Storage, Retrieval, Processing and Distribution
 - Photographic Imagery
 - Electronic Data
 - Information
- User Assistance
 - Training
 - Applications Assistance
 - Technique Transfer
- Planning for Operational Data Acquisition
 - Satellite
 - Aircraft
- Special Projects

DATA HOLDINGS AND PRODUCTS

- **Satellite**

- Mercury, Gemini, Apollo
- ERTS
- Skylab

- **Aircraft**

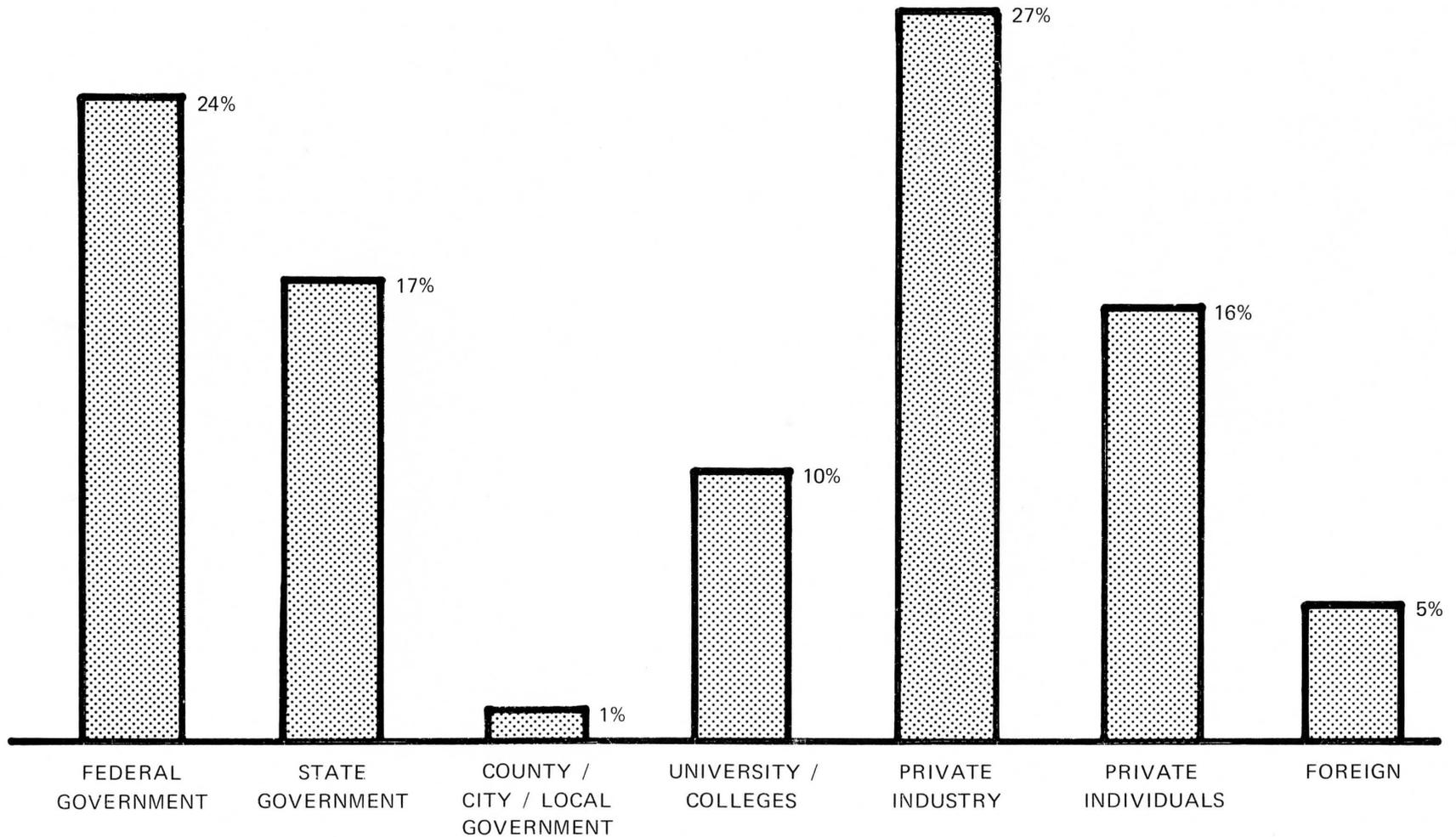
- NASA Research Data
- USGS Mapping Photography
- Army Mapping Service
- Navy, Air Force
- U. S. Forest Service
- Bureau of Reclamation
- Bureau of Land Management
- Other

DATA HOLDINGS AND PRODUCTS

- **Photographic Imagery**
 - Almost 4 Million Frames
 - Available in Black and White and Color, Prints and Transparencies, 16 mm Through 40'' x 40''
 - Limited Custom Products (Color Composites, etc.)
- **Electronic Data**
 - Computer Compatible Tapes
 - Film Data from Tapes (MSS, RBV)
- **Catalogues and Reference Sources**

CUSTOMER PROFILE

(FY 73)



APPLICATIONS ASSISTANCE AND TRAINING

- Domestic and Foreign
- Emphasis on Transfer of Specific Proven Applications Techniques
- Promote and Sponsor "Basic" or Introductory Courses Where Required
- Preparation of "Modular" Training Aids
- Cooperative Graduate Training Program
- Resident Scientist Program
- Integrated Sioux Falls, Assistance Centers, and International Training

ROLE OF EDC

Research
Investigations
(Verify Feasibility)

- ERTS and Skylab
- Investigations
- Universities
- NASA

Demonstration
and Test
(Test and Measure
Performance)

- NASA
- Other Federal
Agencies
- Universities

Transfer
to
Users

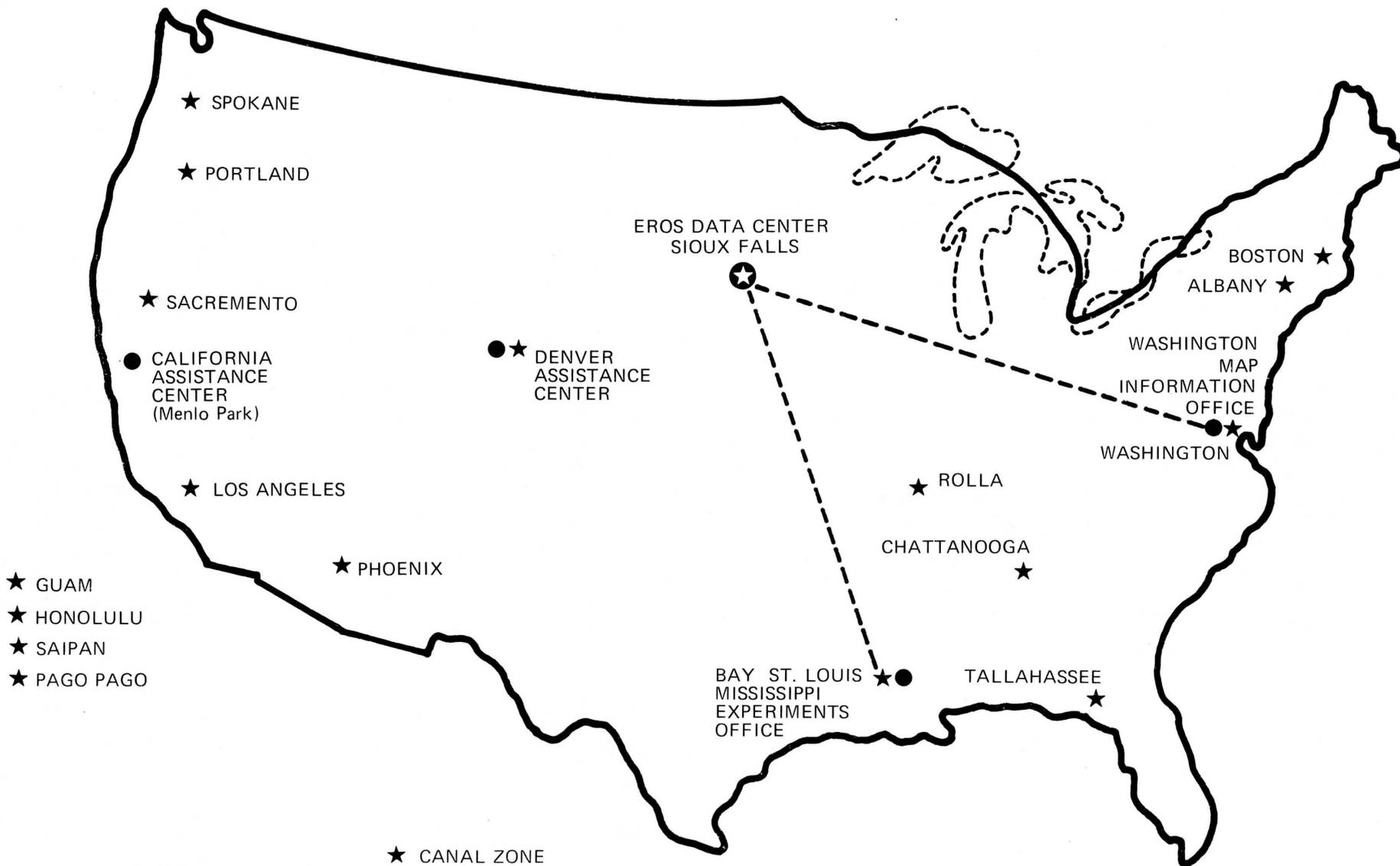
EROS Data Center

- Data
- Procedures
- Software
- Accuracy
- Cost Effectiveness

TYPICAL APPLICATIONS TECHNIQUES

- Use of High Altitude Aircraft and ERTS Satellite Data for Preparing Land Use Inventories
- Use of ERTS Satellite Data for Location and Measurement of Impounded Water Bodies (National Dam Inspection Legislation)
- Preparation of Geologic Maps Using ERTS Data (Standard Scale)
- Use of ERTS Satellite Data for Flood Damage Assessment

★ ANCHORAGE



- ★ GUAM
- ★ HONOLULU
- ★ SAIPAN
- ★ PAGO PAGO

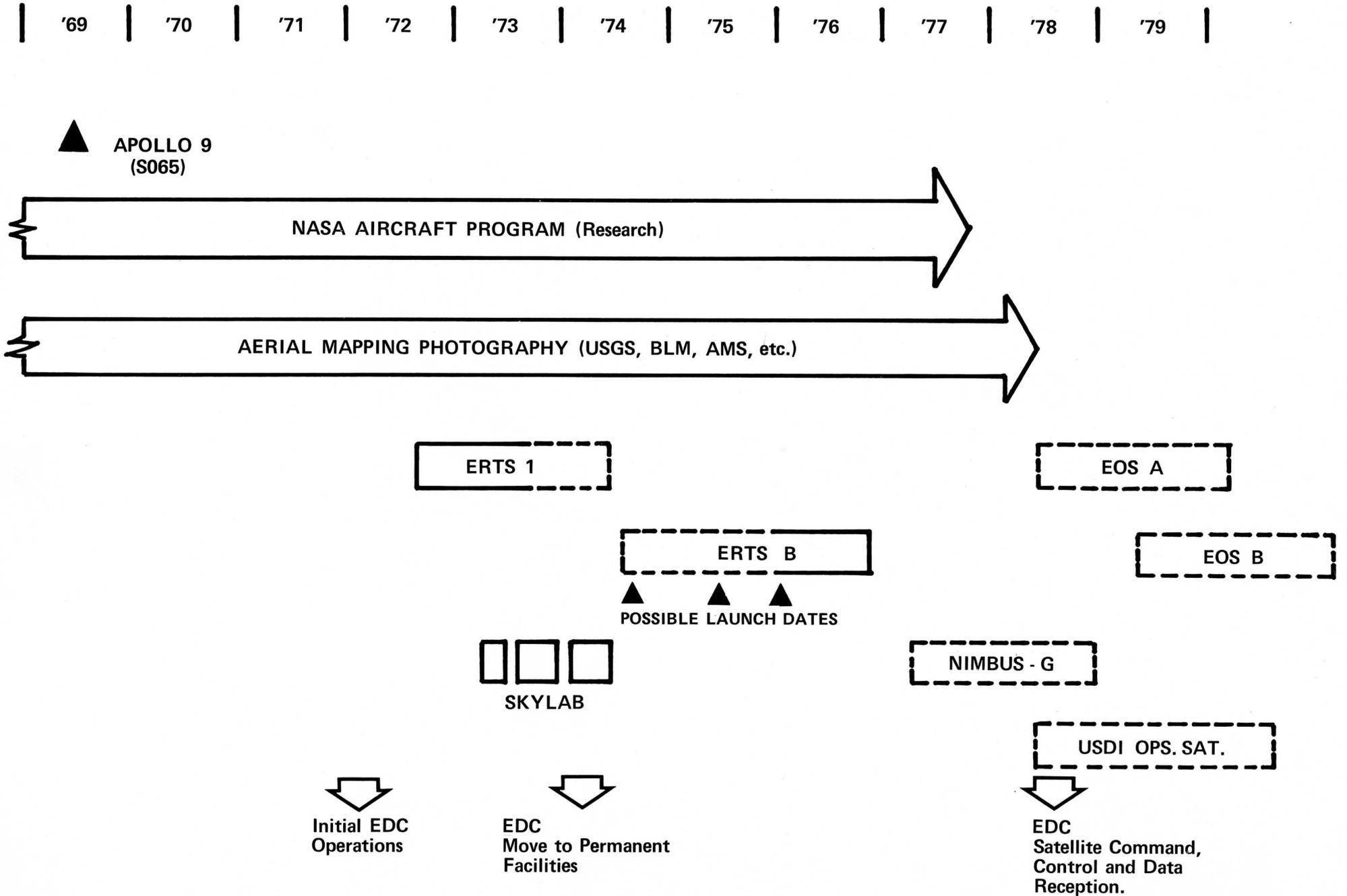
- ★ Browse Files
- Assistance Centers

EROS DATA SYSTEM

KEY ACTIVITIES AHEAD

- Computer Replacement and Expansion
- Build-Up of Professional and Laboratory Staff
- Integration of EROS Data Center, Assistance Centers, and Browse Files
- Establish Viable User Assistance Program

SCHEDULE



OPERATIONAL DATA ACQUISITION

