



Video Programs Available from the USGS EROS Data Center

August 14, 2001

The following video programs are available at no charge to the general public in the **NTSC ½ inch VHS** videotape format. Customers may request a copy of any of the following programs by supplying a **new blank** videocassette in the format previously listed. The USGS EROS Data Center will copy the program onto your tape or will send a high quality pre-recorded tape in it's place. Please allow a reasonable amount of time to handle this request. Please send your **new blank** videocassette to:

**USGS EROS Data Center
Mundt Federal Building
47914 252nd Street
Sioux Falls, SD 57198-0001
Attn: Don Becker, Raytheon**

Please include your street and e-mail address. Questions can be directed to:

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Title	Date	Length
"EROS: Exploring A Changing Planet" CC	9/21/98	12:00 min.
"Geographic Information Systems: An Executive Briefing"	6/6/91	21:45 min.
"Geographic Information Systems: Man, Nature, & Technology"	1/22/88	17:30 min.
"Greenness Mapping"	2/11/91	4:12 min.
"The USGS: Integrated Science" CC	11/3/99	9:15 min.
"Making America's Maps" CC	4/30/96	10:00 min.
"Monitoring Landscapes of the Sahel"	5/19/93	7:00 min.
"Multi-Resolution Land Characterization"	11/10/95	15:45 min.
"The National Satellite Land Remote Sensing Data Archive: A 21 st Century Asset" CC	9/18/97	13:45 min.
"SAST: Scientific Assessment & Strategy Team"	5/13/94	21:40 min.
"The USGS Volunteer For Science Program"	11/27/91	10:35 min.

Following are detailed descriptions of the above video programs.

Title: “EROS: Exploring A Changing Planet” (Closed Captioned)

Date: 9/21/98

Length: 12:00

A program designed to show visitors what the USGS EROS Data Center does and how it goes about doing it. Following a real-life example of how EROS uses satellite images to help predict fire danger, Dr. Don Lauer, Chief of the EROS Data Center, offers an on-camera welcome to viewers. Through the use of colorful examples of remotely sensed data, behind-the-scenes video of EROS staff performing day-to-day tasks, and animated data visualizations, the program demonstrates how the Data Center is a steward of data for monitoring the Earth. The rest of the program features four activities that makes EROS a high-technology, Earth science research and data-transfer facility: developing computer information systems, managing Earth observation data, investigating global environmental land issues, and producing remotely sensed global data sets.

Target Audience: EROS Data Center lobby visitors (the general public)

Title: “Geographic Information Systems: An Executive Briefing”

Date: 6/6/91

Length: 21:45

According to the National Science Foundation, GIS are computerized data base management systems that capture, store, retrieve, analyze, and display geographic, cultural, and Earth science information defined by its location. The Department of the Interior, responsible for most of the nation's publicly owned lands and natural resources, examines general applications of Geographic Information Systems (GIS) technologies within its Bureaus and offices.

“Geographic Information Systems: An Executive Briefing” includes GIS applications from the following agencies within the Department of the Interior: The National Park Service, U.S. Fish & Wildlife Service, Bureau of Indian Affairs, Bureau of Land Management, U.S. Geological Survey, Office of Surface Mining, Bureau of Mines, and Bureau of Reclamation.

Target Audience: Middle and upper level management personnel and individuals with an interest in, but little or no knowledge of, Geographic Information Systems technologies.

Title: “Geographic Information Systems: Man, Nature, & Technology”

Date: 1/22/88

Length: 17:30

Historic pictures and artwork are used to demonstrate how early humans passed geographic information about their environment from generation to generation to survive. After using a Native American “Buffalo Jump” site as an example, the program focuses on the history of the U.S. Geological Survey and its role in developing and perfecting the use of GIS technology. The tape also includes examples of GIS applications, such as locating a potential housing site in the Spearfish Canyon area of the Black Hills of South Dakota.

Target Audience: College educated, sophisticated individuals who need to know more than the elementary principles of GIS technology.

Title: “Greenness Mapping”

Date: 2/11/93 **Length:** 4:12

This presentation shows how USGS/EROS Data Center scientists objectively measure the effects of drought by using information derived from satellites. Jeff Eidenshink, EDC applications scientist, explains how the Data Center measures vegetation condition bi-weekly to make multi-year comparisons.

Target Audience: Visitors to the USGS EROS Data Center lobby (the general public)

Title: “The USGS: Integrated Science” (Closed Captioned)

Date: 11/3/99 **Length:** 9:15 minutes

This video was produced with USGS Human Resources Initiative funds as a much needed audio/visual tool to display at conferences, exhibits, and virtually any outreach event with a general public audience. Viewers will see site location video and on-camera comments from USGS scientists, which highlight four USGS integrated science applications:

- the Abandoned Mine Lands Project (Colorado)
- the Mojave Ecosystem (California)
- Urban Dynamics work in the San Francisco Bay area (California)
- and the Everglades Ecosystem (South Florida).

Target Audience: General Public

Title: “Making America’s Maps” (Closed Captioned)

Date: 4/30/96 **Length:** 10:00

A brief history of cartography in America returns to the mapping of America’s coastlines (1852) and Civil War era (1865) thanks to the maps and diaries of Confederate cartographer Jedediah Hotchkiss and the U.S. Library of Congress. From muletrains, the video moves to airplanes as the program shows how USGS mapmakers changed the way they made maps according to technological advancements in aircraft and computers. After briefly reviewing how America’s maps were made in the past and today, the program gives a glimpse of futuristic technology that will change the mapping process altogether in the not-so-distant future.

Target Audience: Policy types or decision makers at the Federal level who know little or nothing about mapping and the USGS National Mapping Division.

Secondary Audience: Congressional staffers and other prominent visitors to the NMD Cartographic Technology Laboratory at USGS headquarters in Reston, VA

Title: “Monitoring Landscapes of the Sahel”

Date: 5/19/93 **Length:** 7:00

This program was produced for a conference in Nairobi, Kenya, in support of International Projects activities. After a brief introduction outlining Sahelian African resource dynamics and problems, the video summarizes USGS EROS Data Center (EDC) seasonal monitoring activities in Africa. Before concluding, the program shows progress made in sustaining the resources and land productivity as well as the EDC's dedication to long-term monitoring from ground and space.

Target Audience: Conference in Nairobi, Kenya as well as EROS Data Center lobby visitors (general public).

Title: “Multi-Resolution Land Characterization”

Date: 11/10/95 **Length:** 15:45

The Multi-Resolution Land Characterization (MRLC) video shows the societal need and relevance of this unique environmental assessment and land management data base. Through the use of applications involving the NOAA Coastwatch Change Assessment Program (C-CAP) on the Chesapeake Bay, the USGS National Water Quality Assessment (NAWQA) program in the Platte River Basin of Nebraska, and the Department of the Interior's Gap Analysis Program (GAP) in Utah, the MRLC video strives to promote the USGS land characterization program to a variety of Federal, State, and international users. In addition to featuring the previously mentioned applications, this video highlights the many, multi-scale products now available as well as the cost-saving consortium of cooperators who need land characteristics data for environmental assessment and land management missions.

Target Audience: Federal government land and resource managers, state and international Earth scientists.

Secondary Audience: Congressional staffers

Title: “The National Satellite Land Remote Sensing Data Archive:
A 21st Century Asset” (Closed Captioned)

Date: 09/18/97 **Length:** 13:45

This video provides an overview of the National Satellite Land Remote Sensing Data Archive located at the USGS EROS Data Center, Sioux Falls, South Dakota. After watching this program, viewers will understand the many responsibilities associated with managing such an archive, what data and services are available, why the USGS EROS Data Center is managing this archive, and the values of the data and services to the land science user community.

Following a brief history of the USGS EROS Data Center and the establishment of the Archive, including the enactment of the Land Remote Sensing Policy Act of 1992, the program features various examples of satellite land remote sensing data to demonstrate how this Archive provides for the long-term preservation and access to data. In addition to examples of data and services, viewers will hear testimonials sprinkled throughout the program on the Archive's value to Government agencies and private industry.

Target Audience: National level (agency, bureau, and division) decision makers and the land science user community as well as the general public.

Title: “SAST: Scientific Assessment & Strategy Team”

Date: 5/13/94 **Length:** 21:40

The Scientific Assessment and Strategy Team (SAST) is a group of 18 scientists and engineers representing the following Federal agencies: EPA, USGS, USF&W, FEMA, USDA, and the U.S. Army Corps of Engineers. The SAST was formed in response to the devastating flooding during the summer of 1993. After White House authorization, the SAST was established to study alternative plans for managing flood control on the Upper Mississippi River Basin. Of particular interest is the reoccurring debate involving the use of levees versus natural floodplain management. As a result, this video outlines the work of the SAST during its 6-to-8 week use of facilities and expertise of the USGS EROS Data

Center. Through the use of interviews and computer screen dumps (3-D models and images), the video features SAST objectives and overall goal, why the group used USGS National Mapping Division facilities at the EROS Data Center, how the Assessment team went about its work, and what will become of the group's work.

Target Audience: Executive level management of the USGS, and the DoI

Secondary Audience: Other cooperating agencies (i.e., FEMA, EPA, USDA, Army Corps of Engineers, and congressional staffers)

Title: “The USGS Volunteer for Science Program”

Date: 11/27/91 **Length:** 5:40 (short version)

Length: 10:35 (long version)

Each of the two versions is also available **with** or **without** subtitles for the hearing impaired (not closed captioning). The videotapes titled “The USGS Volunteer for Science Program” are brief, upbeat overviews of this nationwide public service, Earth science program. After providing a brief history of the program, the videos include general information about typical volunteer assignments in the five USGS divisions and the Director's office, plus two unusual volunteer assignments in Hawaii (Hawaii Volcanoes National Park) and Arizona (the North Rim of the Grand Canyon). The tapes also highlight teachers involved with the Joint Education Initiative (JEDI) program, retirees, and other active volunteers. Before concluding, the videos include a short segment on the requirements needed to become a volunteer and details on where to write or call for more information.

Target Audience: Generic, e.g., junior and senior high school students and faculty, college students and faculty, USGS retirees, senior citizens, government employees, business persons, community service club members, and other adults. These videos will be used as part of recruitment displays at career/volunteer fairs and related events, in classrooms, at promotional meetings with businesses and clubs, at volunteer training sessions, and at other small gatherings.