

USDA Remote Sensing

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Ongoing Activates

- Commercial Remote Sensing Space Policy Implementation
 - Long Term Requirements
 - Short Term Requirements

Short Term Requirements

- Track trends/growth/etc. regarding civil agency use of RS.
- Make other agencies aware of data that may have been collected or captured in the past.
- CIDR tool now captures selected facts regarding the history of requirements.
- Identify requirements that are still outstanding and decide whether the requirement should be forwarded to the current FY and/or beyond.
- <http://cidr.cr.usgs.gov>

CRSSP Imagery-Derived Requirements (CIDR) Tool

Commercial Remote Sensing Space Policy (CRSSP)
 Center for Earth Resources Observation and Science (EROS)

VIEW REQUIREMENTS

213	George Rohaley	Natural Resources Conservation Service	Wetland Reserve Program	aerial	<1ft	Funded	100 %	2005-02-09	<i>Unfulfilled</i>	Pending	View
214	George Rohaley	Natural Resources Conservation Service	National Resource Inventory	aerial	<1ft	Funded	100 %	2005-02-09	<i>Unfulfilled</i>	Pending	View
215	Paul Greenfield	Forest Service	Land Management Planning	no preference	1-25m	Funded	100 %	2005-01-24	<i>Unfulfilled</i>	Pending	View
216	Paul Greenfield	Forest Service	NAPP Imagery	no preference	1m	Funded	100 %	2005-01-24	<i>Unfulfilled</i>	Pending	View
217	Paul Greenfield	Forest Service	Burned Area Emergency Recovery	no preference	2-30m	Funded	100 %	2005-01-24	<i>Unfulfilled</i>	Pending	View
218	Paul Greenfield	Forest Service	Wildland Urban Interface	no preference	2-4m	Unfunded	0 %	2005-02-02	<i>Unfulfilled</i>	Pending	View
219	Brad Smith	Forest Service	Research Imagery	no preference	2-4m	Funded	100 %	2005-02-02	<i>Unfulfilled</i>	Pending	View
220	Paul Greenfield	Forest Service	OHV Road and Trail Mapping	no preference	1m	Unfunded	0 %	2005-01-24	<i>Unfulfilled</i>	Pending	View
221	Paul Greenfield	Forest Service	Disaster Mapping	no preference	1-25m	Funded	100 %	2005-01-24	<i>Unfulfilled</i>	Pending	View
222	Brad Smith	Forest Service	Forest Inventory and Analysis	no preference	not specified	Unfunded	0 %	2005-01-24	<i>Unfulfilled</i>	Pending	View



Requirements for Space-Based Earth Observations in Support of the U.S. Commercial Remote Sensing Space Policy

- Document will contain USDA's long-term requirements
- Two parts out for initial review
 - Word Document
 - Spread Sheet

Outline

1 INTRODUCTION

1.1 Purpose and Scope

1.2 Requirements Process

1.3 Requirement Priorities

1.4 USDA Background

1.4.1 Mission

1.4.2 Goals

1.4.3 Objectives

1.4.4 Organizational Elements

2 OBSERVATIONAL REQUIREMENTS

2.1 Food Supply, Crop Conditions, USDA Program Support

2.2 Forests, Forest Health and Forest Fires

2.3 Inventory, Monitoring, and Management of Natural Resources

2.4 Agroclimatic, Agrometeorology, and Environmental Parameters

2.5 Soils

Example Text

Snow Depth

- **Priority:** Medium
- **Definition:** Snow depth pertains to the measurement of the amount of water in a given snow pack. It is the vertical distance between the top of a snow layer and the horizontal ground beneath [Glossary of Meteorology].
- **Outcome & Benefits:** produce water supply forecasts and to support the resource management activities (<http://www.wcc.nrcs.usda.gov/snow/>)
- **Direct Applications:** planning moisture availability for crops, animals, human consumption

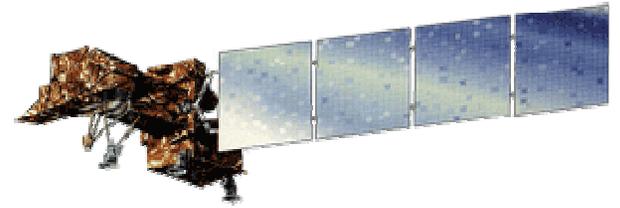
Hurricane Response and Recovery

- The best available imagery for MS, AL, TX, and parts of LA was NAIP.
- APFO and NCGC used multiple methods to distribute imagery to the response and recovery community.
- NCGC packaged post event imagery and delivered to Service Centers.
- Imagery from other sources continues to surface.

Information Needed

- Examples of how NAIP, FEMA, IRS, LANDSAT ... imagery was used for hurricane response.

Landsat 5



- Landsat 5 is experiencing Technical Difficulties
- On November 26, 2005, the back-up solar array drive began exhibiting unusual behavior.
- The solar array is not able to provide the power needed to charge the batteries.
- Landsat 5 was launched in March 1984.