**USDA Service Center Initiative**
**Geospatial Data Acquisition, Integration and Delivery**
**Business Re-engineering Project**

**Data Themes - Outline -Landuse/Landcover (MRLC)**

# I. Acquisition

## *A. Data Source*

1. Producer Information
   a. Name

      Multi Resolution Land Characteristics is produced by the MRLC Consortium and is a derivative of Landsat TM data. The MRLC Consortium is made of the following agencies Environment Protection Agency, U.S. Forest Service, U.S. Geological Survey, National Oceanic and Atmospheric Administration, National Water Quality and Assessment Program, and EROS Data Center.

   b. Location of Headquarters

      None

   c. Internet Address

      http:/www.epa.gov/grd/mrlc

2. Publisher Information
   a. Name

      EROS Data Center

   b. Location of Headquarters

      USGS
      EROS Data Center
      Sioux Falls, SD 57198

   c. Internet Address

      http://edcwww.cr.usgs.gov

3. Acquisition Information
   a. Delivery Media

      CDROM or 8mm tape.

   a. Download URL

      None at this time.

   b. Projected Data Availability Schedule

      Expected to be completed in 1999.

### *B. Standards Information*

1. Geospatial Data Standard
   a. Standard Name and Steward Information

      None.

   b. Standard Version

      None.

   c. Standard URL

      None.

2. Metadata Standard
   a. Standard Name and Steward Information

      None

   b. Description of Metadata Captured

      The metadata is available online at http://edcwww.cr.usgs.gov/glis/hyper/guide/mrlc

   c. Metadata Accuracy and Completeness Assessment

      The metadata is not FGDC compliant metadata

### *C. Acquired Data Structure*

1. Geospatial Data Format
   a. Format (raster, vector, etc.)

      Raster

   b. Format Name

      Generic Binary

   c. Data Extent

      Continental U.S.

   d. Horizontal and Vertical Resolution

      30 meter

   e. Absolute Horizontal and Vertical Accuracy

      +- 30 meters

   f. Nominal Scale

      1:100,000

   g. Horizontal and Vertical Datum

The horizontal Datum is North American (NAD) 83

h. Projection

Albers Conical Equal Area
Standard Parallels: 29.5 degrees North Latitude
45.5 degrees North Latitude
Central Meridian: 96 degrees West Longitude
Origin of Projection 23 degrees North Latitude
False Easting: 0 meters
False Northing: 0 meters

i. Coordinate Units

Meters

j. Average Data Set Size

200 Megabytes

k. Symbology

None.

2. Attribute Data Format

a. Format Name

ASCII textfile

b. Database Size

No database

3. Data Model

a. Geospatial Data Structure

Raster format

b. Attribute Data Structure

ASCII textfile describing the pixel values that corresponds to Anderson level 1 and 2 land cover classes.

c. Database Table Definition

None

d. Data Relationship Definition

None

e. Data Dictionary

None

### *D. Policies*

1. Restrictions
   a. Use Constraints

      None

   b. Access Constraints

      None

   c. Certification Issues

      None

2. Maintenance
   a. Temporal Information

      None

   b. Average Update Cycle

      To be determined (most likely every 10 years)

### *E. Acquisition Cost*

1. Cooperative Agreement
   a. Description of Agreement

      None

   b. Status of Agreement

      None

2. Cost to Acquire Data

| | |
|---|---|
| CDROM | $50 |
| 8mm Tape | $150 |

## II. Integration

### *A. Value Added Process*

1. Benefit to the Service Center

   Conservation Priority Areas and Environmental Quality Improvement Program proposals need a landcover dataset to determine and prioritize natural resource concerns.

2. Process Model
   a. Flow Diagram

   b. Process Description

3. Technical Issues
   a. Tiling

      The data is now in a State wide raster file. This would need to be clipped to a county tile.

   b. Compression

      None

   c. Scale

      N/A

   d. Tonal Matching

      None

   e. Edge-matching

      None

4. Quality Control
   a. Procedures

      This is to be decided.

   b. Acceptance Criteria

      This is to be decided.

5. Data Steward
   a. Name and Organization

   b. Responsibilities

### *B. Integrated Data Structure*

1. Geospatial Data Format
   a. Format (raster, vector, etc.)

      Raster

   b. Format Name

      TIFF Format

   c. Data Extent

      County

   d. Horizontal and Vertical Resolution

      30 meter Horizontal Resolution

   e. Absolute Horizontal and Vertical Accuracy

+- 30 Meter Horizontal Accuracy

f. Nominal Scale

1:100,000

g. Horizontal and Vertical Datum

NAD 83

h. Projection

UTM

i. Coordinate Units

Meters

j. Symbology

None

2. Attribute Data Format
   a. Format Name

   None

   b. Database Size

   None

3. Data Model
   a. Geospatial Data Structure

   b. Attribute Data Structure

   c. Database Table Definition

   d. Data Relationship Definition

   e. Data Dictionary

### *C. Resource Requirements*

1. Hardware and Software

2. Staffing

### *D. Integration Cost*

1. Hardware and Software

2. Staffing

# III. Delivery

### *A. Specifications*

1. Directory Structure
   a. Folder Theme Data is Stored In

2. File Naming Convention
   a. List of Theme Files and The File Naming Convention

### *B. User Information*

1. Accuracy Assessment
   a. Alignment with Other Theme Geospatial Data

   b. Content

2. Appropriate Uses of the Geospatial Data
   a. Display Scale

   b. Plot Scale

   c. Area Calculations

   d. Decision Making

### *C. Maintenance and Updating*

1. Recommendations and Guidelines
   a. Frequency of Updates

   b. Location for the Theme Data to be Maintained

   c. Maintenance and Updating Procedures Overview