11.01.05. Digital Color Aerial Imagery 8 Sep 2002

1.0 File Format

Individual aerial images are three band geotif images with associated georeference world files. Non-georeferenced images are in jpeg format. Mosaic images are three band geotif or jpeg images with associated world files.

2.0 Theme Metadata

None

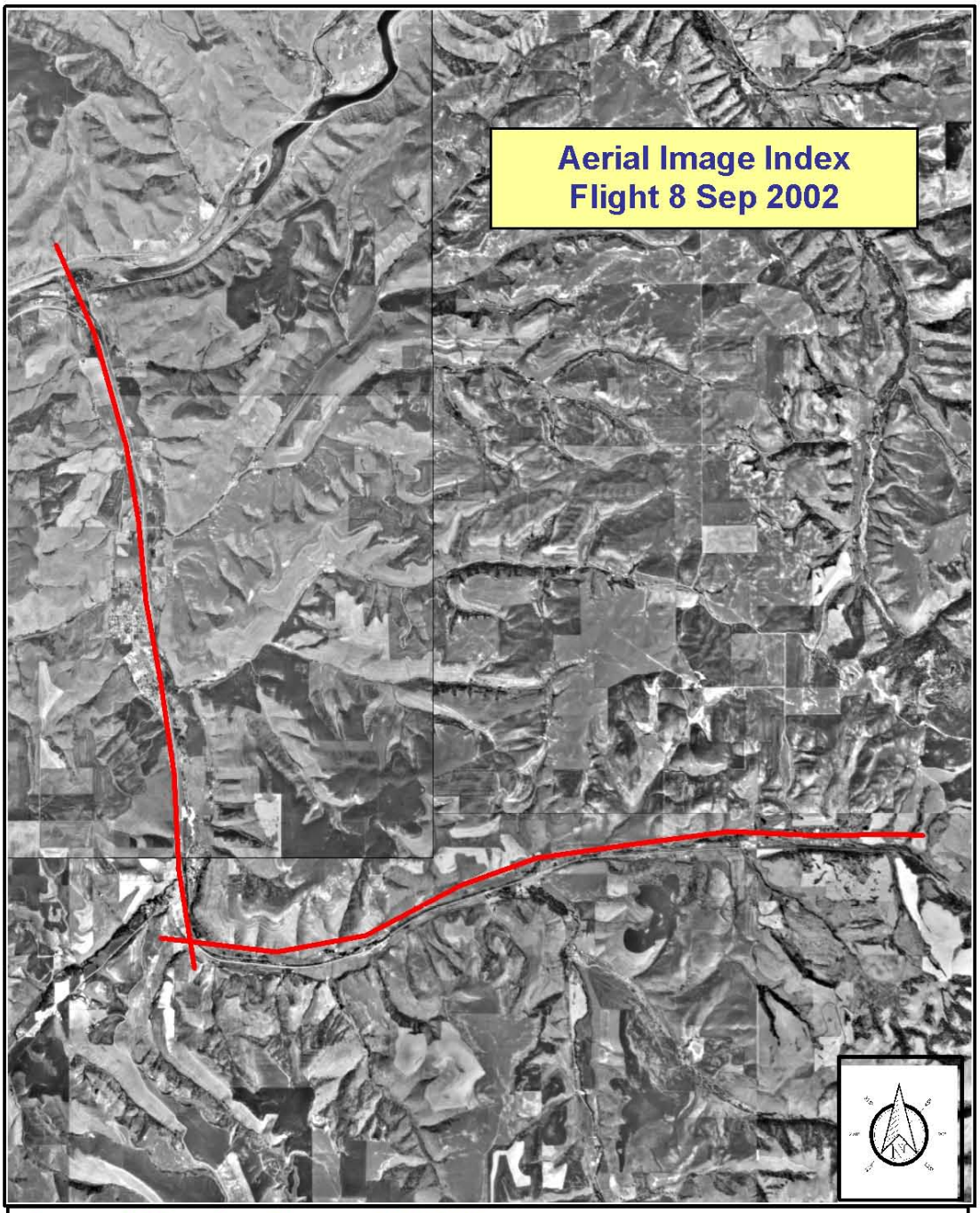
3.0 Description

Visible color (Vis) images are composed of three spectral bands of visible light: blue, green and red. Band intervals of the visible color imagery are comparable to Landsat and ASTER, but are not radiometrically calibrated so spectral analysis is not possible. Tests images of standard color charts show that the visible color of the original images closely match observed colors.

High-resolution aerial images reveal extraordinary detail of stream channel morphology, vegetation canopy, land use, and constructed features. Spatial resolution of the digital aerial imagery varies with the aircraft altitude above terrain. Resolutions of aerial images acquired for this project typically range from 20 to 30 cm ground pixel resolution (GPR). Several hundred images may be produced in a single stream corridor flight. Many users only georeference images of critical areas. Images of the non-georeferenced dataset may be viewed sequentially to follow the flight path along the stream corridor or lakeshore.

4.0 Projection

Universal Transverse Mercator Zone 11 North, North American Datum of 1927.



Lapwai Creek
Lapwai, ID

Theme 11.01.05.
Aerial 8 Sep 02

0 2 4 Kilometers

Bonneville Power Administration

Satellite and Aerial Imagery Demonstration Project

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