

08.03.01. ASTER – 15 August 2001

1.0 File Format

Multiband ERDAS Imagine (img) or geotif format. Includes bands 1, 2, and 3N.

2.0 Theme Metadata

Metadata provided by NASA for the original image.

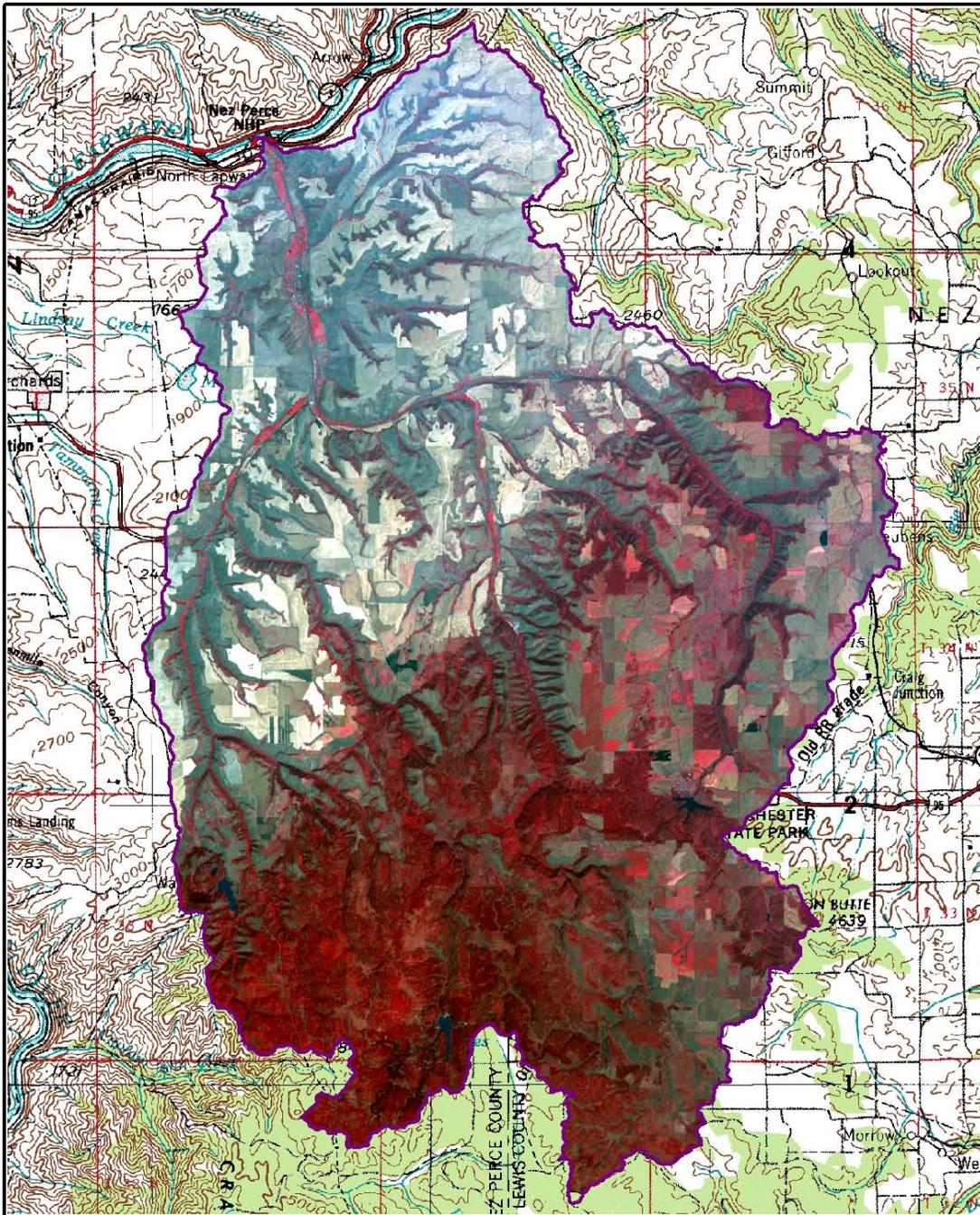
3.0 Description

The Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER) carried onboard the NASA Terra satellite collects images for priority science objectives. ASTER images are becoming available for most of the continental U.S. The ASTER sensor acquires four bands of reflected energy in visible - near infrared region at 15-meter ground pixel resolution (GPR), six bands in the short-wave infrared region at 30-meter GPR, and five thermal emission bands at 90-meter GPR. The ASTER Hierarchical Data Format (HDF) image cube must be processed into a more common format before viewing with GIS software.

Higher spatial and spectral resolution of ASTER imagery can augment and validate the more frequent coverage Landsat 7 imagery. ASTER images reveal details of riparian and littoral vegetation not apparent in lower resolution images. An area of active research, the multiple short-wave and thermal infrared bands have potential to extract additional biophysical data about aquatic resources.

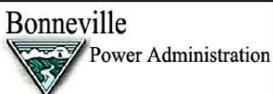
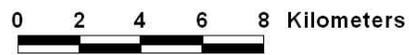
4.0 Projection

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



Lapwai Creek
Lapwai, ID

Theme 08.03.01
ASTER 15 Aug 01



Satellite and Aerial Imagery
Demonstration Project

