

09.02.01. MTI Area 1 2002 – 2003

1.0 File Format

Georeferenced jpeg image file with associated georeference world file.

2.0 Theme Metadata

None.

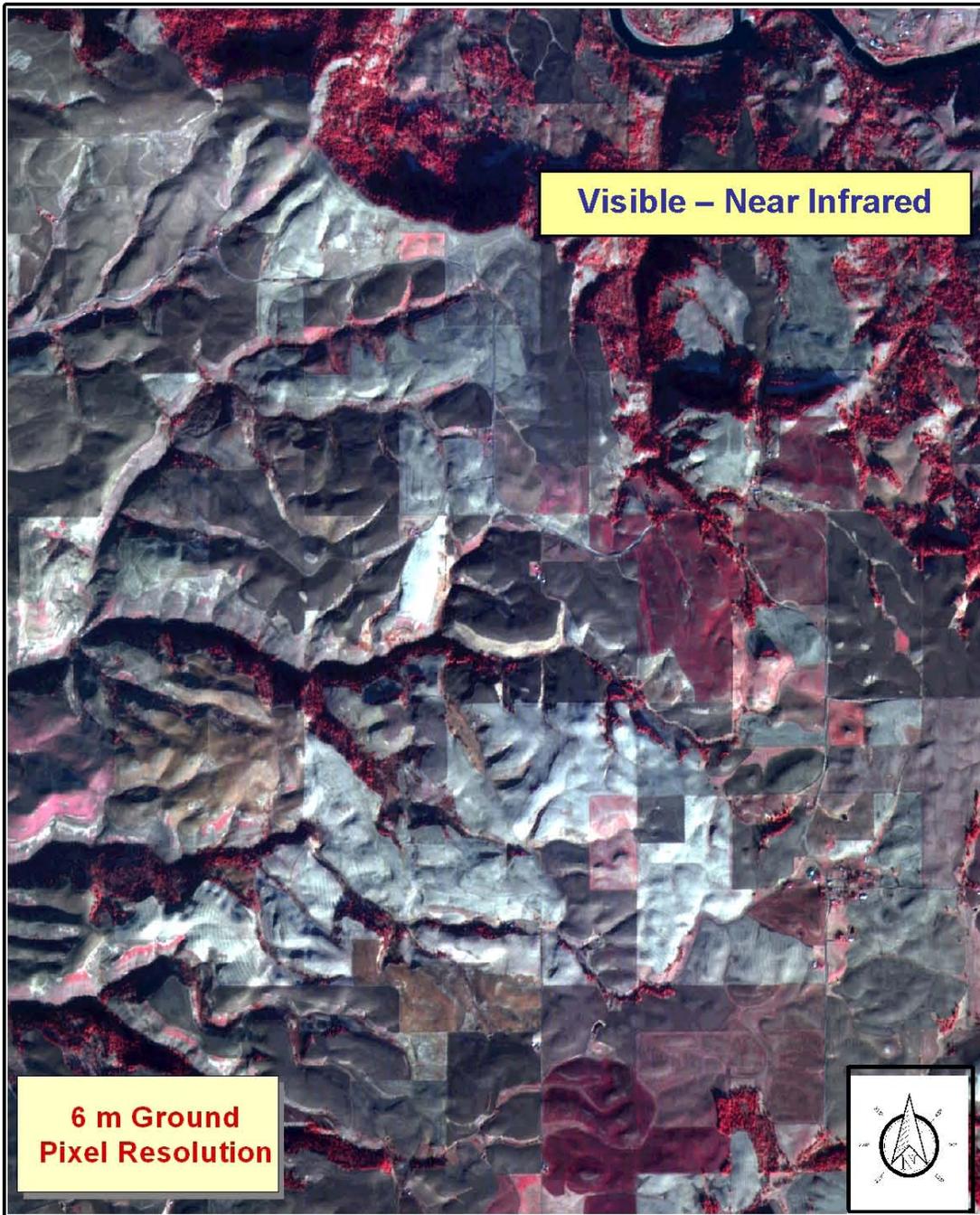
3.0 Description

The Multispectral Thermal Imager (MTI) is a space-based research and development project sponsored by the U.S. Department of Energy (DOE), Office of Nonproliferation and National Security. MTI's primary objective is to demonstrate advanced multispectral and thermal imaging, image processing, and associated technologies. The MTI sensor acquires 15 spectral bands ranging from visible to long-wave infrared. Ground pixel resolution (GPR) of the visible and shortwave infrared bands is approximately 6 meters.

Calibrated MTI spectral imagery is not available for public distribution. The MTI images included in the dataset are processed three-band georeferenced jpeg images that resemble the visual appearance of the original data. High-resolution multispectral imagery of this type is representative of imagery that could be available from commercial satellite imagery sources within the next few years. Many more details of riparian vegetation and stream morphology are seen in the high-resolution MTI images than in 30 m GPR Landsat and 15 m GPR ASTER images.

4.0 Projection

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



Lapwai Creek
Lapwai, ID

Theme 09.02.02.
MTI VNIR 28 Nov 02



*Satellite and Aerial Imagery
Demonstration Project*





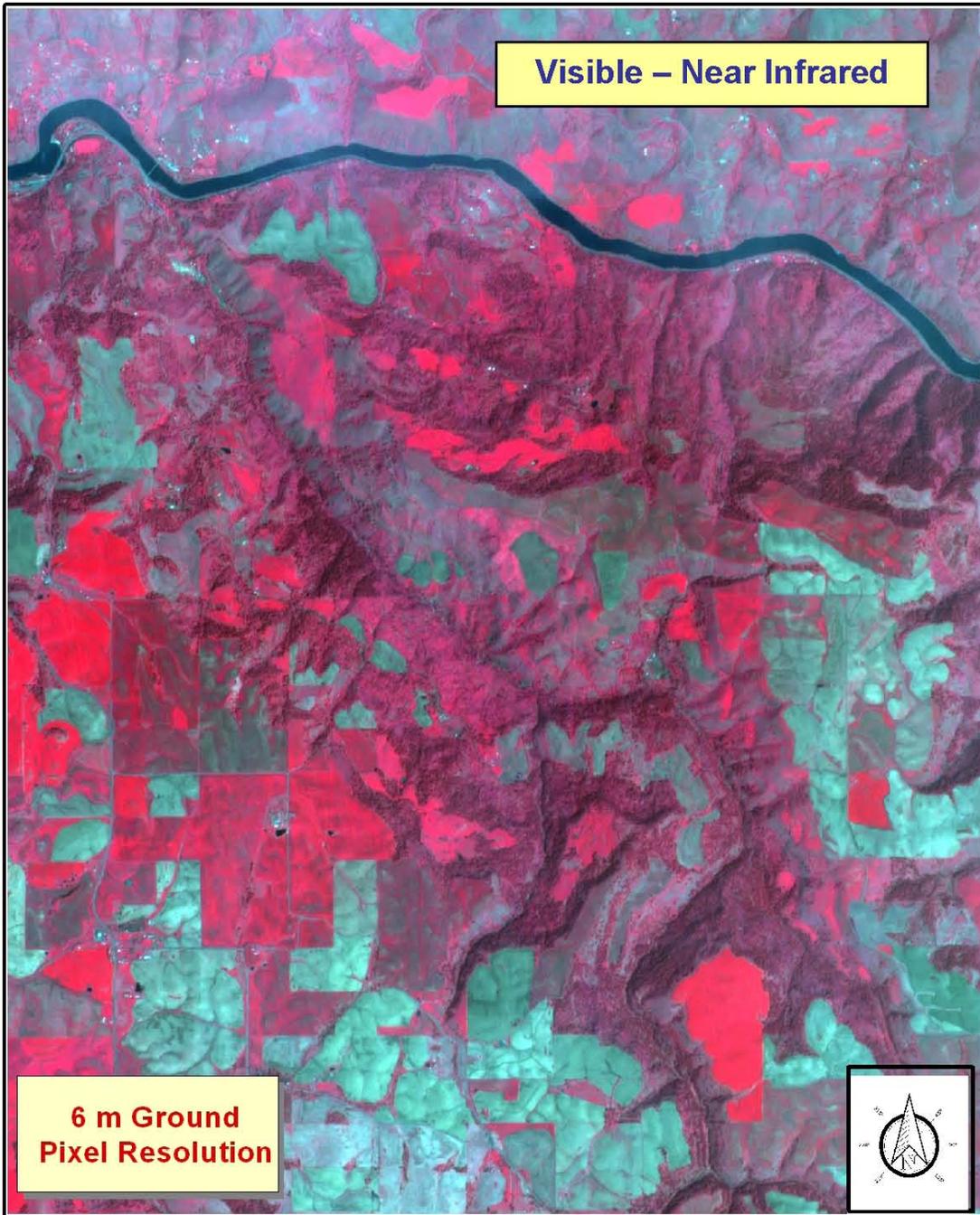
Lapwai Creek
Lapwai, ID

Theme 09.02.01.
MTI VNIR 24 Jul 02



Satellite and Aerial Imagery
Demonstration Project





Lapwai Creek
Lapwai, ID

Theme 09.02.01.
MTI VNIR 8 May 03



*Satellite and Aerial Imagery
Demonstration Project*

