

Supplemental Fire Metadata

Fire Information

MTBS Fire ID: NPS-SEROGRSM-GRRI07A-20070402
Duplicate MTBS Fire IDs: No duplicate fire IDs
Fire Name (if known): GGEGORY RIDGE
Date of Fire: April 02, 2007
State: Tennessee
Agency: NPS
MTBS Mapping Zone: Northeast
HUC4 Catalog Unit: 06010204
Type of Assessment: Initial
Acres within Fire Perimeter: 819.6

Required spatial adjustment for co-registration of pre-fire NBR to post-fire NBR

X-shift adjustment: 0 meters (relative to post-fire NBR)

Y-shift adjustment: 0 meters (relative to post-fire NBR)

Landsat Path and Row: 19/35

Pre-Fire Landsat Date/Scene ID: Landsat 5 TM; June 17, 2006 / 5019035000616810

Post-Fire Landsat Date/Scene ID: Landsat 5 TM; May 19, 2007 / 5019035000713910

Output Dataset Projection Albers Equal Area

Units: Meters

Datum: NAD83

Spheroid: GRS80

1st Standard Parallel: 29 30 00

2nd Standard Parallel: 45 30 00

Central Meridian: -96 00 00

Latitude of Origin: 23 00 00

False Northing: 0

False Easting: 0

Image Subset Corner Coordinates (center of pixel, projected meters)

ULX: 1085970

ULY: 1462200

LRX: 1093590

LRY: 1452420

Rows: 327

Columns: 255

Pixel size: 30 meters

Bounding Box

North Latitude: 35.55959 (35 33 34.5313336572)

South Latitude: 35.52634 (35 31 34.807003748)

East Longitude: -83.83170 (-83 49 54.1205721822)

West Longitude: -83.85222 (-83 51 07.99748503523)

Latitude and Longitude within Fire Perimeter

Latitude: 35.540802 (35 32 26.8872)

Longitude: -83.841652 (-83 50 29.9472)

Fire Perimeter Generation Method: Manual

dNBR offset value used to calculate RdNBR: 40

Burn severity thresholds

No Data Threshold: -970

Increased Greenness: -150

Low Threshold: 100

Moderate Threshold: 277

High Threshold: 500

Product List:

NPS-SEROGSM-GRRI07A-20070402_pre_refl.tif

Subset of Landsat scene used for pre-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-SEROGSM-GRRI07A-20070402_post_refl.tif

Subset of Landsat scene used for post-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-SEROGSM-GRRI07A-20070402_d.tif

dNBR used for burn severity analysis and mapping; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-SEROGSM-GRRI07A-20070402_dt.tif

Thematic dNBR; Derived by thresholding dNBR subset (8-bit GeoTIFF)

NPS-SEROGSM-GRRI07A-20070402_rd.tif

Relative dNBR; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-SEROGSM-GRRI07A-20070402.shp

Perimeter of detectable fire area derived from satellite imagery (ESRI shapefile)

NPS-SEROGSM-GRRI07A-20070402_cldshdw.shp

Mask for clouds, shadow, snow or anomalies intersecting fire area (ESRI shapefile)

d1935_20060617_1935_20070519.tif

dNBR for full Landsat scene (path/row: 19/35)

