

## Supplemental Fire Metadata

### Fire Information

MTBS Fire ID: NPS-SEROGRSM-WARI07A-20070324  
Duplicate MTBS Fire IDs: No duplicate fire IDs  
Fire Name (if known): WASH RIDGE  
Date of Fire: March 24, 2007  
State: North Carolina  
Agency: NPS  
MTBS Mapping Zone: Northeast  
HUC4 Catalog Unit: 06010106  
Type of Assessment: Initial  
Acres within Fire Perimeter: 604.2

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: +30 meters (relative to post-fire NBR)

### Landsat Path and Row: 19/35

Pre-Fire Landsat Date/Scene ID: Landsat 5 TM; June 01, 2006 / 5019035000615210  
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: 1147890  
ULY: 1477890  
LRX: 1156350  
LRY: 1470060  
Rows: 262  
Columns: 283  
Pixel size: 30 meters

### Bounding Box

North Latitude: 35.62403 (35 37 26.5157601053)  
South Latitude: 35.60892 (35 36 32.0980890629)  
East Longitude: -83.11461 (-83 06 52.6105159938)  
West Longitude: -83.14322 (-83 08 35.5911391273)

### Latitude and Longitude within Fire Perimeter

Latitude: 35.616669 (35 37 00.00840000000608)  
Longitude: -83.129021 (-83 07 44.4756)

### Fire Perimeter Generation Method: Manual

dNBR offset value used to calculate RdNBR: 60

### Burn severity thresholds

No Data Threshold: -970  
Increased Greenness: -150  
Low Threshold: 140  
Moderate Threshold: 292

High Threshold: 500

Product List:

NPS-SEROGSM-WARI07A-20070324\_pre\_refl.tif

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

NPS-SEROGSM-WARI07A-20070324\_post\_refl.tif

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

NPS-SEROGSM-WARI07A-20070324\_d.tif

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

NPS-SEROGSM-WARI07A-20070324\_dt.tif

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

NPS-SEROGSM-WARI07A-20070324\_rd.tif

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

NPS-SEROGSM-WARI07A-20070324.shp

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

NPS-SEROGSM-WARI07A-20070324\_cldshdw.shp

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

d1935\_20060601\_1935\_20070519.tif

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



