

## Supplemental Fire Metadata

### Fire Information

MTBS Fire ID: NPS-AKROYUCA-0334-20070625  
Duplicate MTBS Fire IDs: AK-AFS-DKU9-20070625  
Fire Name (if known): NATION RIVER  
Date of Fire: June 25, 2007  
State: Alaska  
Agency: AK Native  
MTBS Mapping Zone: Alaska  
HUC4 Catalog Unit: 19040401  
Type of Assessment: Initial  
Acres within Fire Perimeter: 2112.4

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: 66/14

Pre-Fire Landsat Date/Scene ID: Landsat 5 TM; July 28, 2006 / 5066014000620910

Post-Fire Landsat Date/Scene ID: Landsat 5 TM; September 01, 2007 / 5066014000724410

### Output Dataset Projection Albers Equal Area

Units: Meters  
Datum: WGS84  
Spheroid: WGS84  
1st Standard Parallel: 55 00 00  
2nd Standard Parallel: 65 00 00  
Central Meridian: -154 00 00  
Latitude of Origin: 50 00 00  
False Northing: 0  
False Easting: 0

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

ULX: 569880  
ULY: 1766820  
LRX: 580980  
LRY: 1756980  
Rows: 329  
Columns: 371  
Pixel size: 30 meters

### Bounding Box

North Latitude: 65.34667 (65 20 48.0070970318)  
South Latitude: 65.31359 (65 18 48.9321638222)  
East Longitude: -141.52839 (-141 31 42.1996583352)  
West Longitude: -141.64085 (-141 38 27.0750108263)

### Latitude and Longitude within Fire Perimeter

Latitude: 65.329201 (65 19 45.1236)  
Longitude: -141.583923 (-141 35 02.1228)

Fire Perimeter Generation Method: Manual

dNBR offset value used to calculate RdNBR: 20

### Burn severity thresholds

No Data Threshold: -970  
Increased Greenness: -150  
Low Threshold: 125  
Moderate Threshold: 354

High Threshold: 625

Product List:

NPS-AKROYUCA-0334-20070625\_pre\_refl.tif

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

NPS-AKROYUCA-0334-20070625\_post\_refl.tif

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

NPS-AKROYUCA-0334-20070625\_d.tif

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

NPS-AKROYUCA-0334-20070625\_dt.tif

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

NPS-AKROYUCA-0334-20070625\_rd.tif

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

NPS-AKROYUCA-0334-20070625.shp

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

NPS-AKROYUCA-0334-20070625\_cldshdw.shp

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

d6614\_20060728\_6614\_20070901.tif

dNBR for full Landsat scene (path/row: 66/14)