

Supplemental Fire Metadata

Fire Information

MTBS Fire ID: NPS-PWROWAONP-E2GM-20090722
Duplicate MTBS Fire IDs: No duplicate fire IDs
Fire Name (if known): CONSTANCE
Date of Fire: July 22, 2009
State: Washington
Agency: NPS
MTBS Mapping Zone: Pacific Northwest
Geographic Area: Northwest
HUC4 Catalog Unit: 17110018
Type of Assessment: Initial
Acres within Fire Perimeter: 485.0

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: 47/27
Pre-Fire Landsat Date/Scene ID: Landsat 5 TM; September 14, 2008 /
50470272008258EDC00
Post-Fire Landsat Date/Scene ID: Landsat 5 TM; September 17, 2009 /
50470272009260EDC00

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: -2026920
ULY: 3043590
LRX: -2019090
LRY: 3035700
Rows: 264
Columns: 262
Pixel size: 30 meters

Bounding Box

North Latitude: 47.74198 (47 44 31.1331498119)
South Latitude: 47.72638 (47 43 34.9530496453)
East Longitude: -123.12873 (-123 07 43.4236146348)
West Longitude: -123.15586 (-123 09 21.0864740292)

Latitude and Longitude within Fire Perimeter

Latitude: 47.733776 (47 44 01.5936)
Longitude: -123.141472 (-123 08 29.2992)

Fire Perimeter Generation Method: Manual

dNBR offset value used to calculate RdNBR: 35

Burn severity thresholds
No Data Threshold: -970
Increased Greeness: -150
Low Threshold: 125
Moderate Threshold: 368
High Threshold: 650

Product List:

NPS-PWROWAONP-E2GM-20090722_pre_refl.tif
Subset of Landsat scene used for pre-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-PWROWAONP-E2GM-20090722_post_refl.tif
Subset of Landsat scene used for post-fire image (Bands 1-5, 7; Unsigned 8-bit GeoTIFF)

NPS-PWROWAONP-E2GM-20090722_d.tif
dNBR used for burn severity analysis and mapping; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-PWROWAONP-E2GM-20090722_dt.tif
Thematic dNBR; Derived by thresholding dNBR subset (8-bit GeoTIFF)

NPS-PWROWAONP-E2GM-20090722_rd.tif
Relative dNBR; subset to the fire area (Signed 16-bit GeoTIFF)

NPS-PWROWAONP-E2GM-20090722.shp
Perimeter of detectable fire area derived from satellite imagery (ESRI shapefile)

NPS-PWROWAONP-E2GM-20090722_cldshdw.shp
Mask for clouds, shadow, snow or anomalies intersecting fire area (ESRI shapefile)

d4727_20080914_4727_20090917.tif
dNBR for full Landsat scene (path/row: 47/27)

Processing Comments: