MONITORING TRENDS IN BURN SEVERITY

Geospatial Data Access and Online Data Summaries

DATA ACCESS AND ONLINE DATA SUMMARIES

The Monitoring Trends in Burn Severity (MTBS) project currently provides fire mapping and burn severity assessments for all large wildland fires across the United States and Puerto Rico for the period spanning 1984 through 2010. MTBS defines large fires as greater than 1,000 acres in the western U.S. and greater than 500 acres in the eastern U.S. across all administrative ownerships. Geospatial data and burn severity summaries are available for all mapped fires and are delivered to users through the MTBS project website: www.mtbs.gov/dataaccess.html.

Data Access Home Page www.mtbs.gov/dataaccess.html

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Forest Service: Accessibility, Privacy Policy, Important Notices, FOIA

DOI: Accessibility, Privacy Policy, Important Notices, FOIA

Last Update December 2011

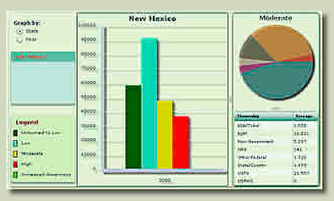
Data Access

New Data updated as of 12/16/2011

Get more info...

Get New Data

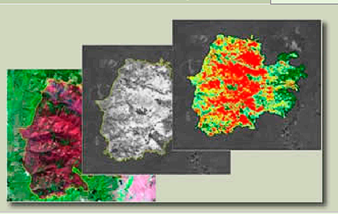
Data Summaries



Go To Data Summaries

Create quick and customizable tabular and graphical summaries of MTBS data.

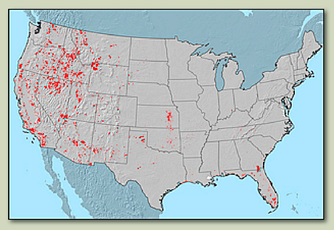
Individual Fire-Level Geospatial Data



Get MTBS Data

Access geospatial data and mapping/visualization products for user-selected MTBS fires.

National Geospatial Data



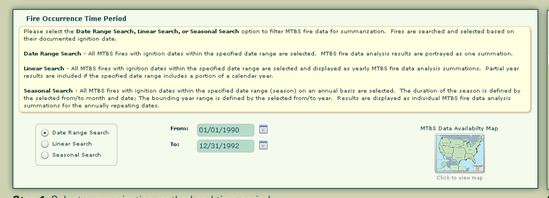
Get MTBS Data

Download MTBS data mosaicked for CONUS, Alaska, Hawaii, or Puerto Rico map extents.

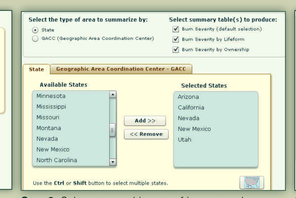
To accommodate the data and information analysis needs of users, MTBS has created an online data summarization and analysis application as well as a set of data search and distribution tools. The web-based data summarization and analysis application dynamically compiles tabular reports and graphs based on user defined queries. Burn severity query results can be stratified by vegetation lifeform and administrative land ownership within predefined geographic units (state and geographic area coordination center boundaries) for a defined temporal period. Query results from the data search and distribution tools provide direct linkages to a suite of GIS-ready geospatial data and mapping/visualization products available for each fire including burned area boundaries, prefire and postfire imagery, burn severity indices, thematic burn severity classes, FGDC metadata, KMZ's and PDF maps. In addition to individual fire datasets, composite datasets for burned area boundaries, fire occurrence location data and burn severity image mosaics are also available for download.

MTBS Data Summarization and Analysis Application

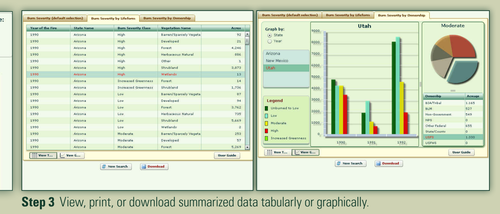
The MTBS Data Summarization and Analysis Application allows users to create online tabular and graphical summaries from MTBS data. The website is designed to provide a quick and customizable way to access results from the MTBS project. The web-based application dynamically compiles tabular reports and graphs based on user defined queries that are created for online analysis and are available for immediate download.



Step 1 Select summarization method and time period.



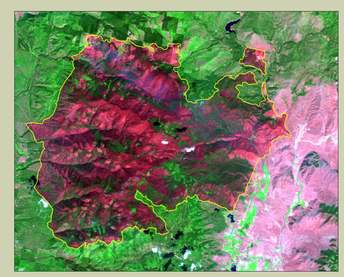
Step 2 Select geographic area of interest and summary of which burn severity table(s) to produce.



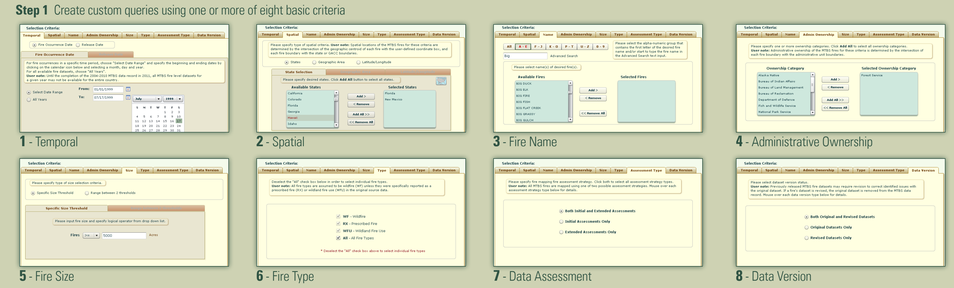
Step 3 View, print, or download summarized data tabularly or graphically.

Individual Fire-Level Geospatial Data Search and Distribution Tools

Users can create a custom, targeted query using one or more of the criteria provided in the query builder to identify specific fires of interest available from the MTBS fire mapping database.

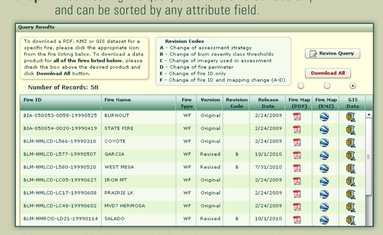


Step 1 Create custom queries using one or more of eight basic criteria



1 - Temporal; 2 - Spatial; 3 - Fire Name; 4 - Administrative Ownership; 5 - Fire Size; 6 - Fire Type; 7 - Data Assessment; 8 - Data Version

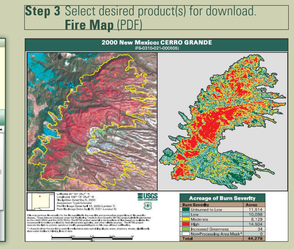
Step 2 Fires meeting the query criteria are listed tabularly and can be sorted by any attribute field.



Select an individual product for download, or select the "download all" button for a streamed download of a designated product for all selected fires.

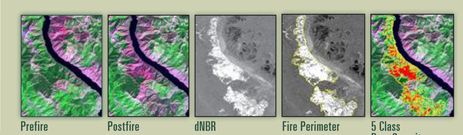
Step 3 Select desired product(s) for download.

Fire Map (PDF)



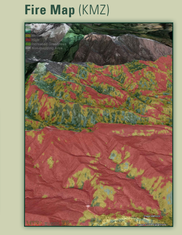
GIS Data

- Prefire reflectance image subset (GeoTIFF)
- Postfire reflectance image subset (GeoTIFF)
- dNBR image subset (GeoTIFF)
- RdNBR image subset (GeoTIFF)
- 5 class thresholded burn severity (GeoTIFF)
- Fire perimeter (ESRI shapefile)
- Non-processing area mask (ESRI shapefile)
- FGDC metadata (text/xml)



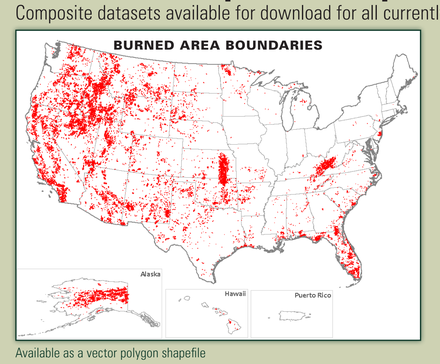
Prefire; Postfire; dNBR; Fire Perimeter; 5 Class Burn Severity

Fire Map (KMZ)

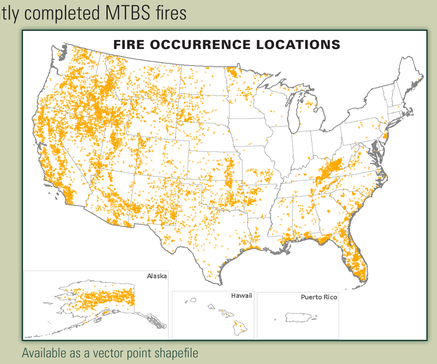


National Geospatial Composite Datasets

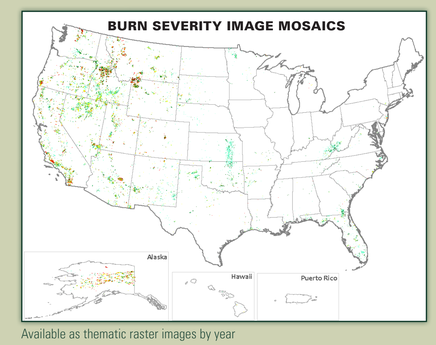
Composite datasets available for download for all currently completed MTBS fires



Available as a vector polygon shapefile



Available as a vector point shapefile



Available as thematic raster images by year

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