

**LANDFIRE Applications: Texas Army National Guard
Integrated Training Area Management (ITAM) program**

Tim A. Christiansen
TCGC - LRAM/RTLA Coordinator
timothy.a.christiansen2.nfg@mail.mil

- 1) Planning for possible issues from changes in both climate and weather patterns on vegetation and erosion condition and land management.
- 2) Changes in vegetation patterns and the effect on erosion management over the last eight years.
- 3) Used LANDFIRE products in coordination with other remote sensing products to assist in land condition assessment and habitat health assessments.
- 4) Planning fire management issues such as where fire may occur and intensity of fires at various locations.
- 5) Used LANDFIRE products and land use history (back to 1939) to assist in analyzing trends in vegetation condition and soil condition to try to plan sustainability of training sites. This involves vegetation changes and habitat recovery from various land use.
- 6) LANDFIRE products helped in analysis of training site sustainability for both present and future (next 20 - 40 years) of training lands.
- 7) Results from the above products are also combined with land use such as heavy equipment and foot training on land condition sustainability to maintain Army training needs.
- 8) Used LANDFIRE products in coordination with field monitoring for detecting changes in land and soil conditions.
- 9) LANDFIRE regional data and maps are very useful in assessing land condition around training sites which may have an influence sustainability of land condition and vegetation composition within training sites.
- 10) LANDFIRE products are used along with hydrological maps and soil maps to plan and implement management practices on our training sites.
- 11) We use LANDFIRE data and maps on scales of habitat, ecosystem, watersheds and landscape.