

Texas Wildfires - 2024

Assessment Period: February 26 - March 10, 2024

Publication Date: March 19, 2024

USDA NASS

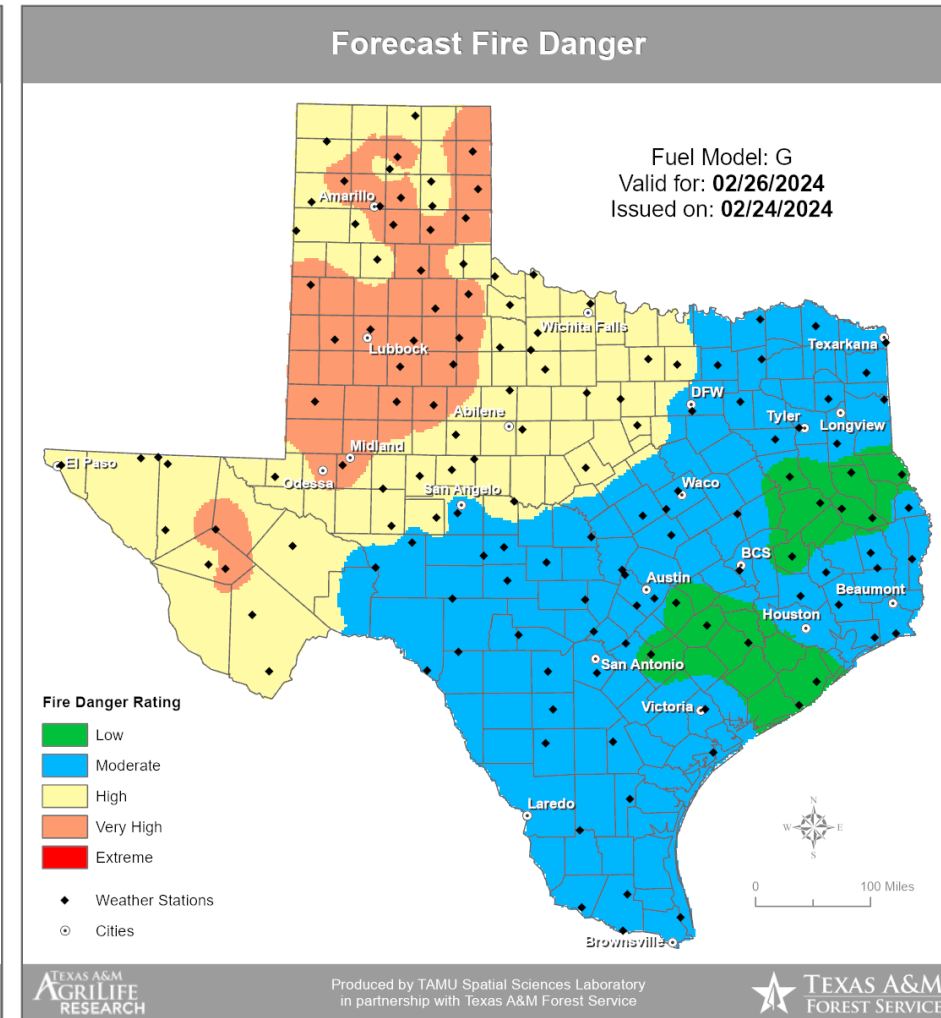
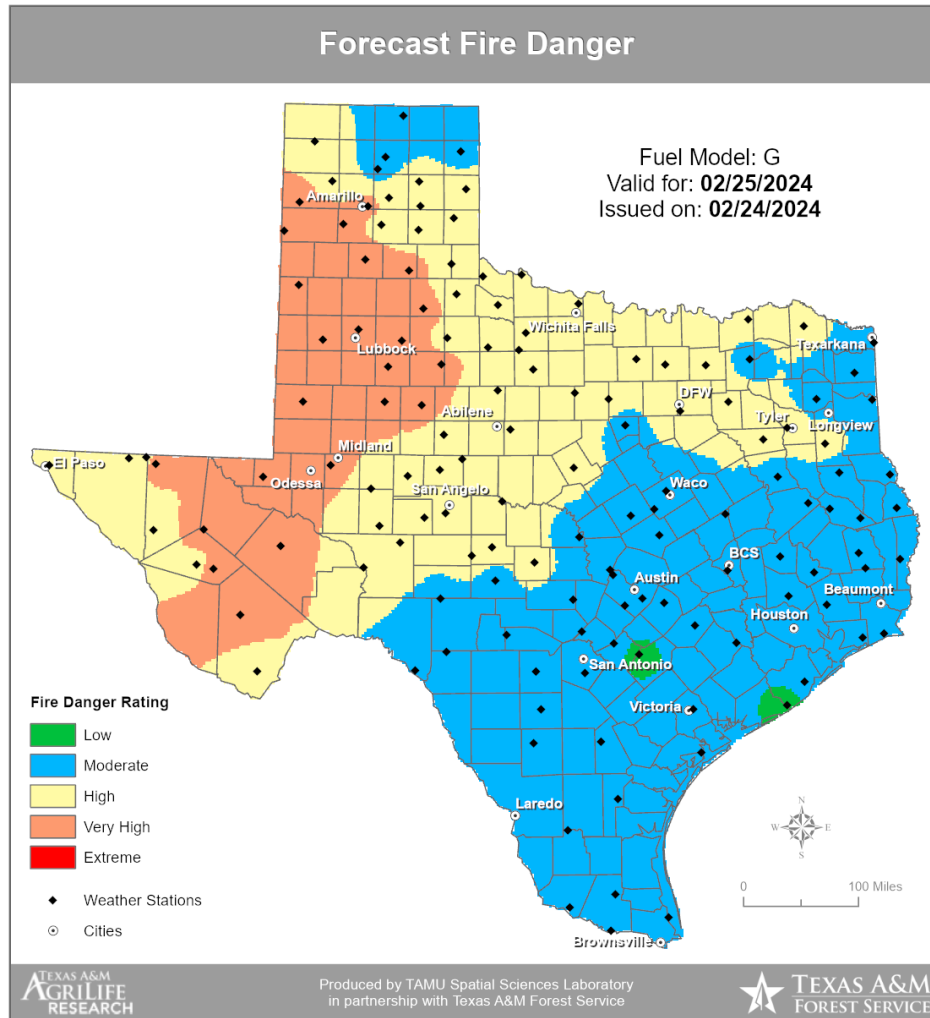
Disaster Monitoring Team



Event Summary

- **Location:** Texas, U.S.
- **Event:** Texas Wildfires
 - Feb 26: Emergency alerts issued for wildfires with potential to expand ([Texas A&M Forest Service](#)).
 - Multiple wildfires; Smokehouse Creek wildfire among them, being the largest in Texas history with over 1M acres of land burned ([Texas A&M Forest Service](#)).
 - Damage reported in affected areas includes hundreds of burned homes, thousands of livestock dead, and destruction of crops, grasslands, and ranching infrastructure ([Texas Tribune](#), [Washington Post](#), [CBS News](#)).
- **Current situation** as of **March 13, 2024:**
 - **Active Wildfires:**
 - Smokehouse Creek Fire, Hutchinson County - est. 1,058,482 acres, 89% contained
 - Windy Deuce Fire, Moore County - 144,045 acres, 94% contained
 - **Contained Wildfires (100%):**
 - Coahoma Tracks, Howard County - 76 acres
 - Rusk 0671 Fire, Rusk County - 9.2 acres
 - Upshur 0672 Fire, Upshur County - 2 acres
 - Jasper 0664 Fire, Jasper County - 1.7 acres
 - Polk 0665 Fire, Polk County - 1.9 acres

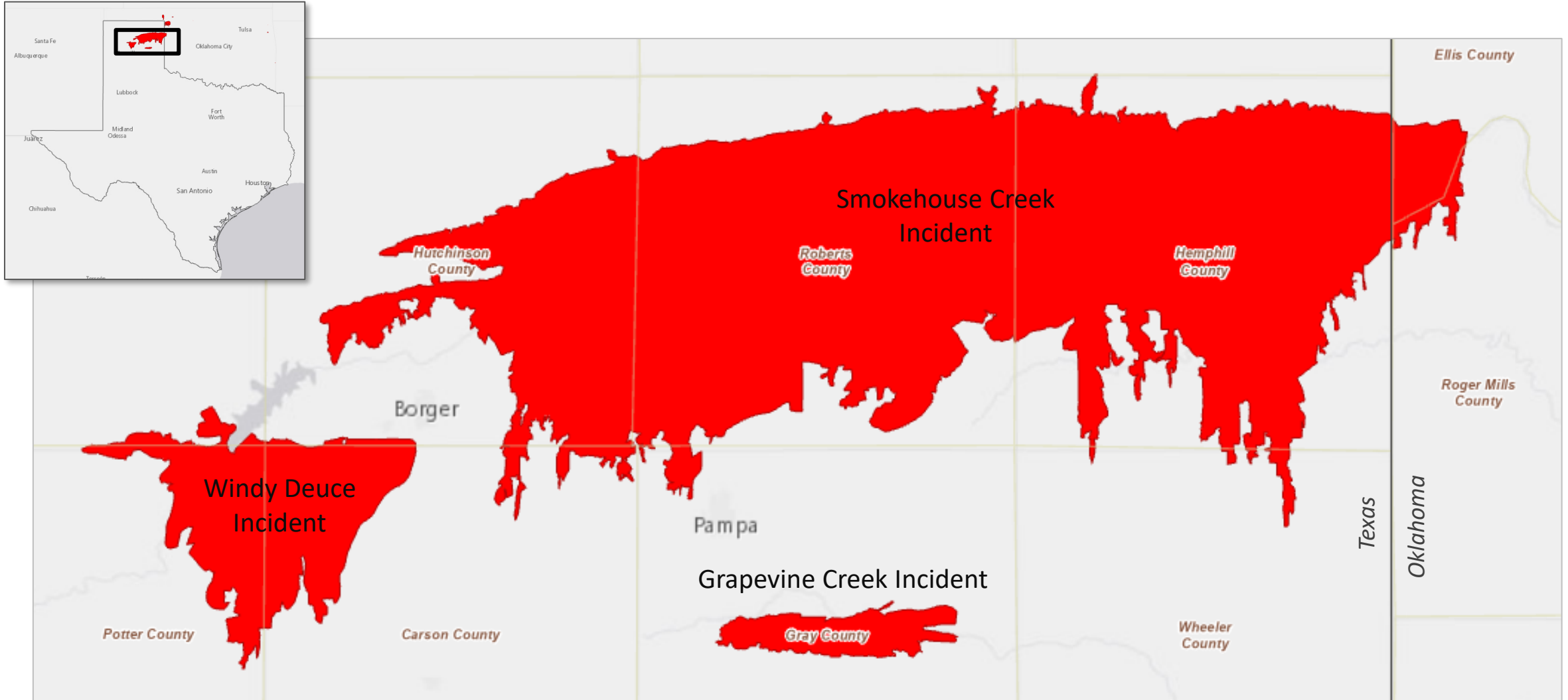
Forecasted Fire Danger: Texas (February 25 - 26, 2024)



The **Texas Fire Danger (TFD)** map is produced by the National Fire Danger Rating System (NFDRS). Weather information is provided by remote, automated weather stations and then used as an input to the Weather Information Management System (WIMS). The NFDRS processor in WIMS produces a fire danger rating based on fuels, weather, and topography. [TWC | Texas Fire Danger \(TFD\) \(tamuedu\)](https://www.tamuedu/twc/texas-fire-danger)



Texas Wildfire Perimeters (Current as of March 7, 2024)



Wildfire Perimeters Data Source: [WFIGS Current Interagency Fire Perimeters](https://www.nifc.gov/data/wildfire-perimeters) shapefile downloaded from National Interagency Fire Center (NIFC) on March 7, 2024.



Smokehouse Creek Wildfire Destruction



Roberts County, TX: A drone view of the grasslands burning from the Smokehouse Creek Fire in Roberts County, Texas, U.S., February 28. [REUTERS/Nathan Frandino](#)

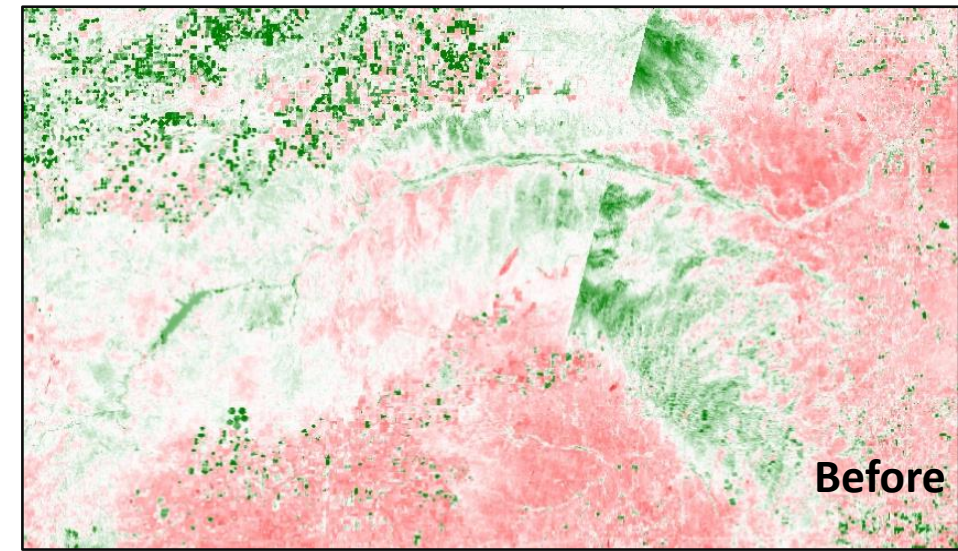


Skellytown, TX: Ranchers move the remains of cattle killed by the Smokehouse Creek Fire out of burned ranch land, Friday, March 1, 2024. [AP Photo/Julio Cortez](#)

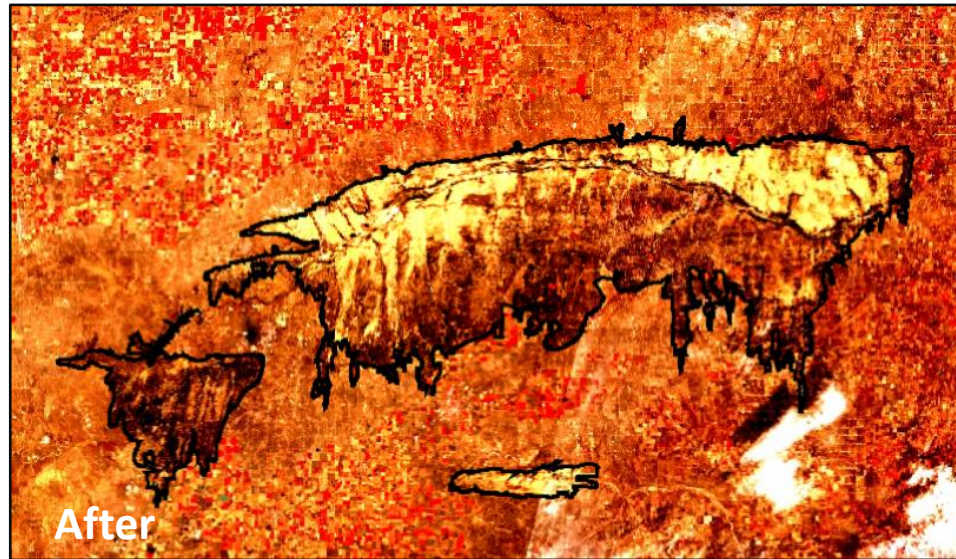
Visualization of wildfires from Sentinel-2 imagery and Normalized Burned Ratio (NBR)



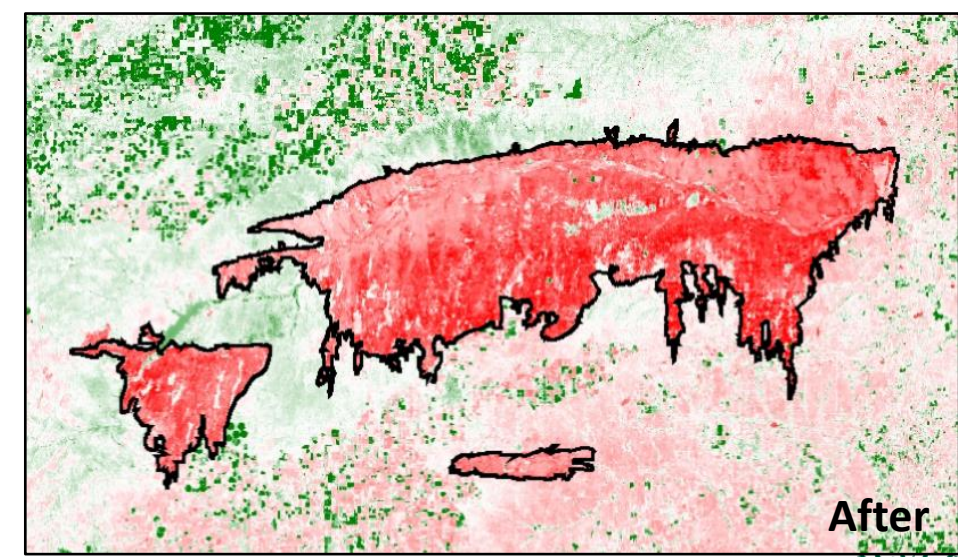
Sentinel-2 median composite image (R: NIR, G: Red, B: Green) (Jan 1 – Feb 25)



Sentinel-2 Normalized Burn Ratio (NBR) for Jan 1 – Feb 25, 2024



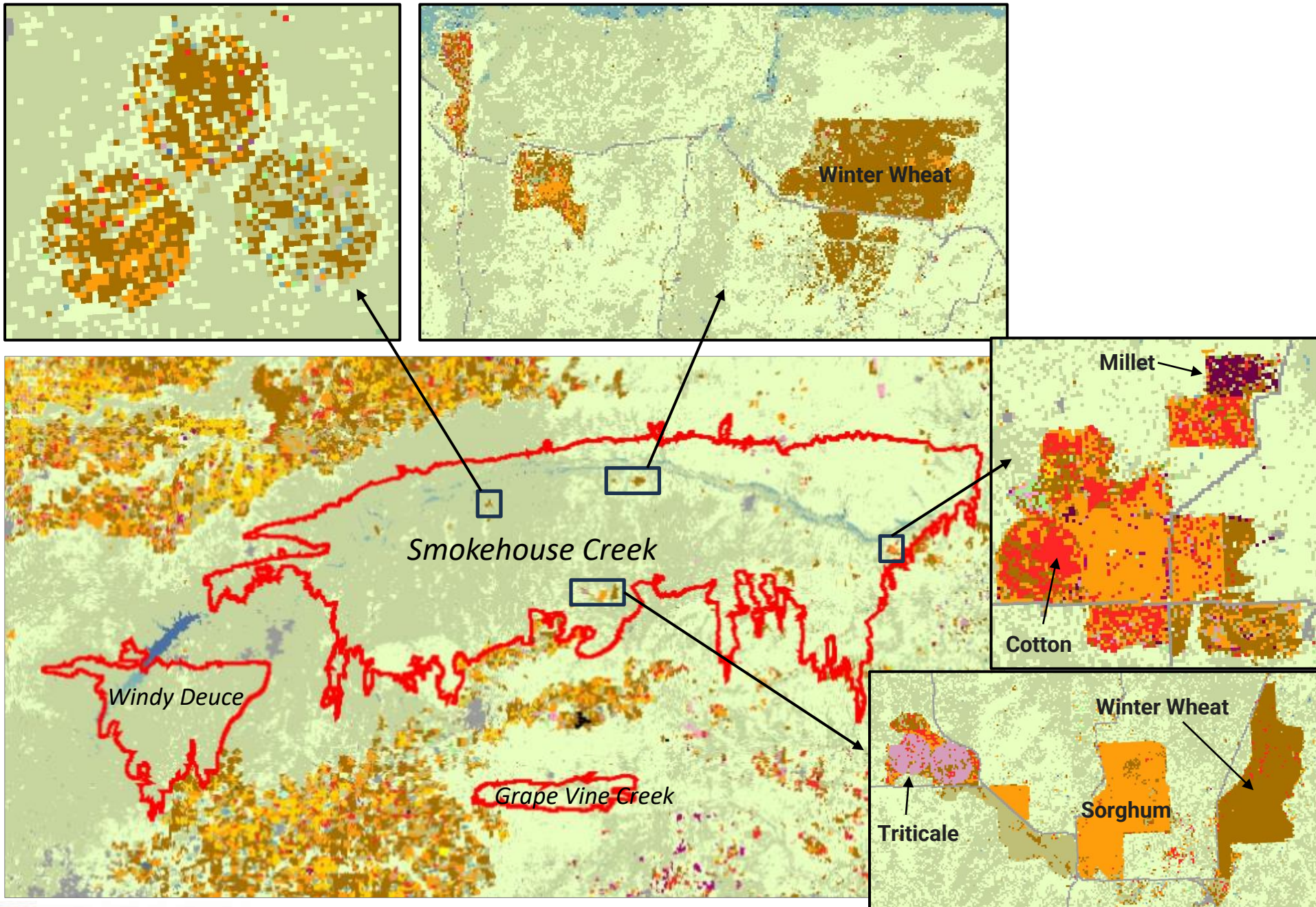
Sentinel-2 median composite image (R: NIR, G: Red, B: Green) (Feb 26 – Mar 10)



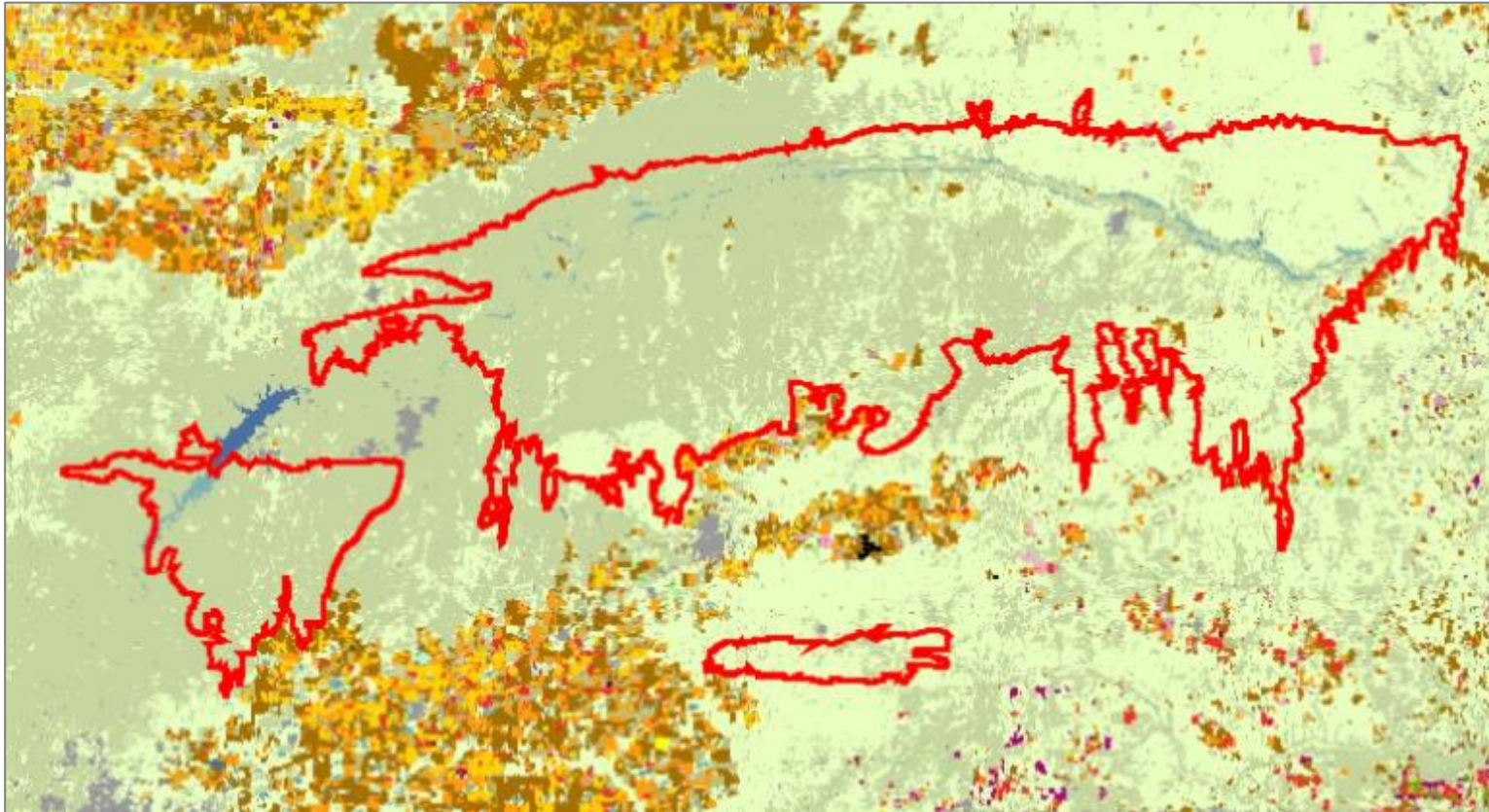
Sentinel-2 Normalized Burn Ratio (NBR) for Feb 26 – Mar 10, 2024



Crop impact assessment based on wildfire perimeters acquired on March 7, 2024 and NASS CDL 2023



Texas impacted crops during the February - March 2024 wildfires



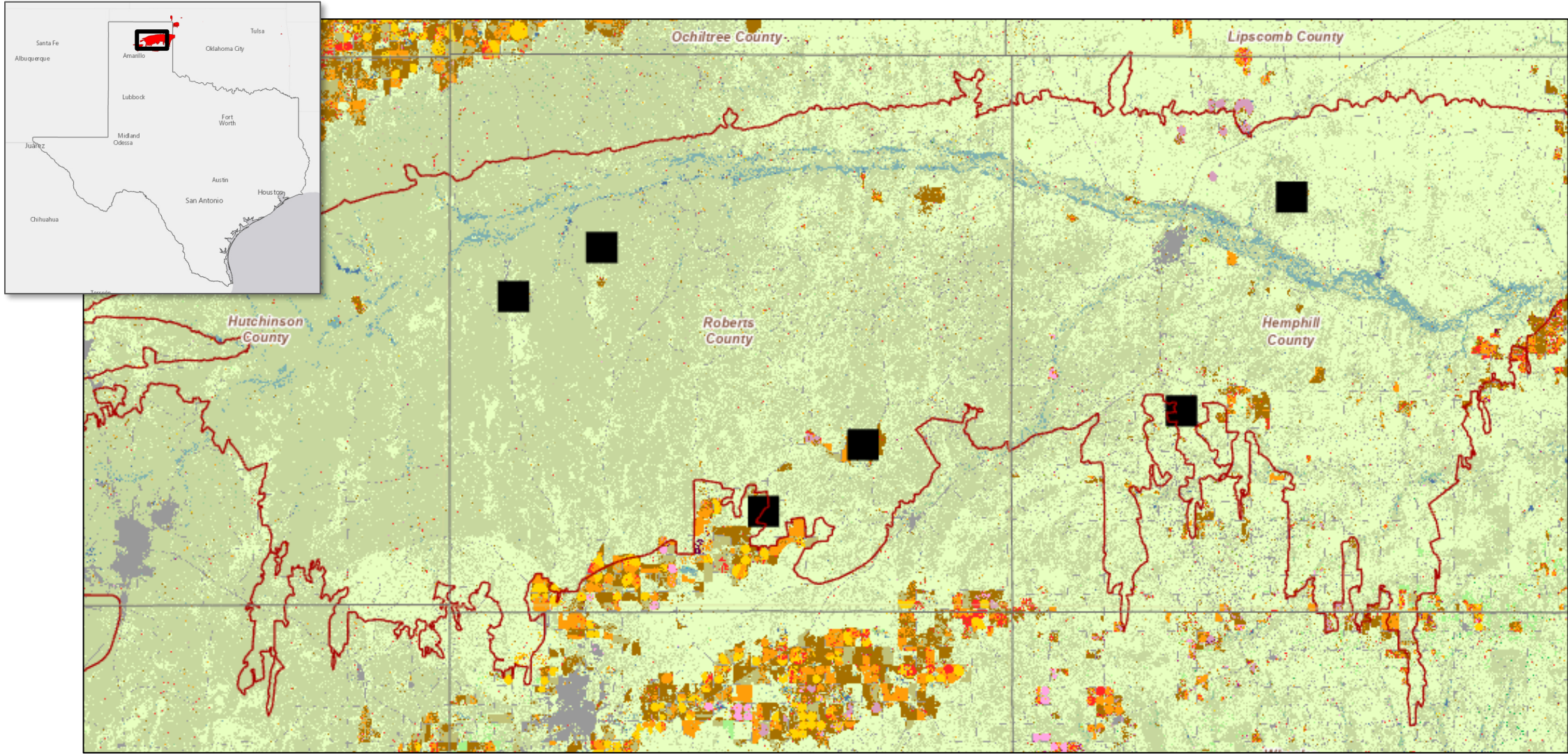
 Fire perimeter

Class Name	Acres	State-wide survey	Percent (%)
Grassland/Pasture*	447944.00	88,472,861	0.51
Winter Wheat**	8623.57	6,400,000	0.13
Sorghum**	5175.34	2,000,000	0.26
Cotton**	1977.75	5,579,000	0.04
Corn**	802.84	2,500,000	0.03
Other crops*	2113.42	11,424,626	0.02

* From 2022 Ag Census
 ** From 2023 Survey

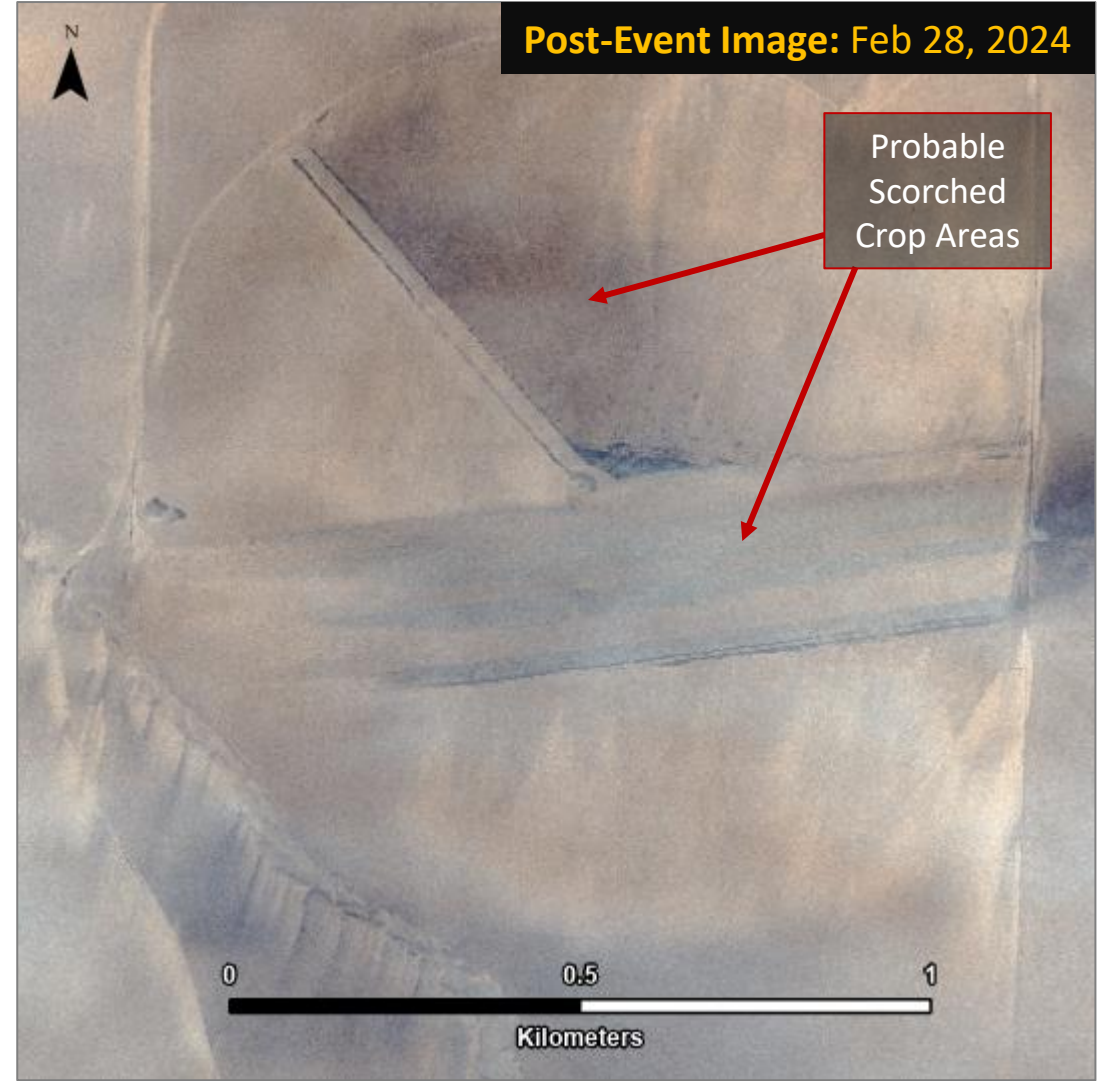
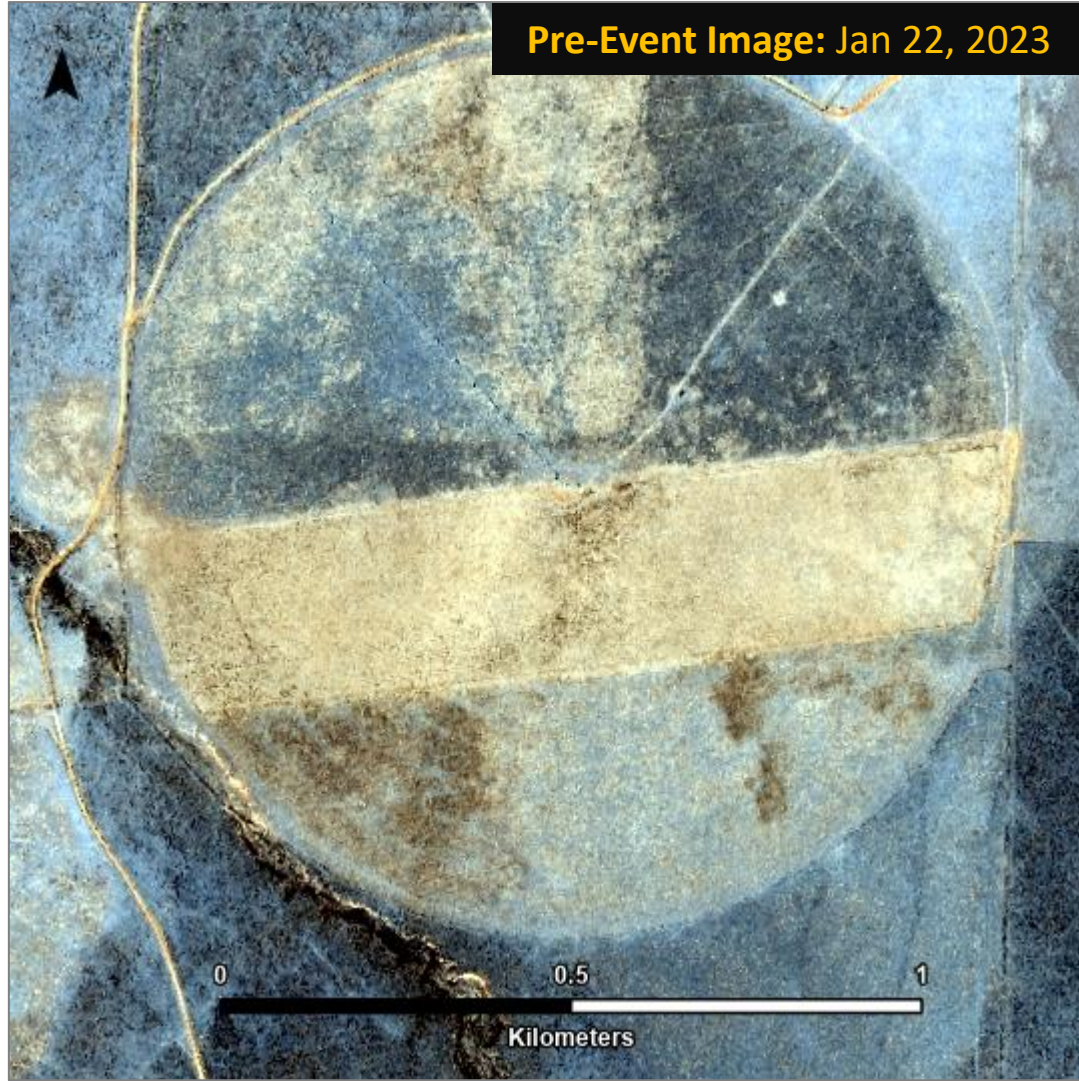


Smokehouse Creek Fire: Select Areas Depicting Crop Field Damage





Smokehouse Creek Fire, Roberts County, TX: Damage to Crop Field



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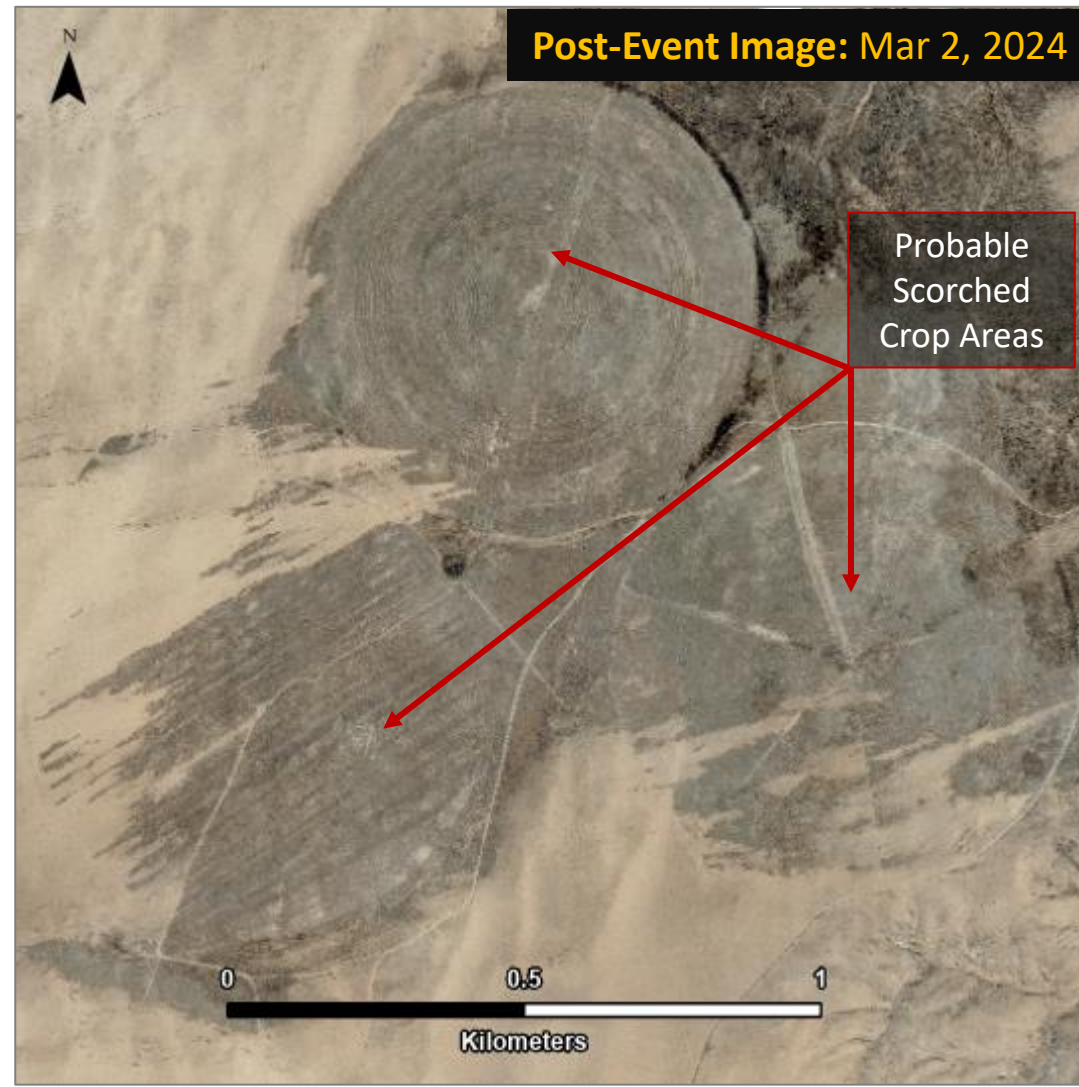




Smokehouse Creek Fire, Roberts County, TX: Damage to Crop Fields



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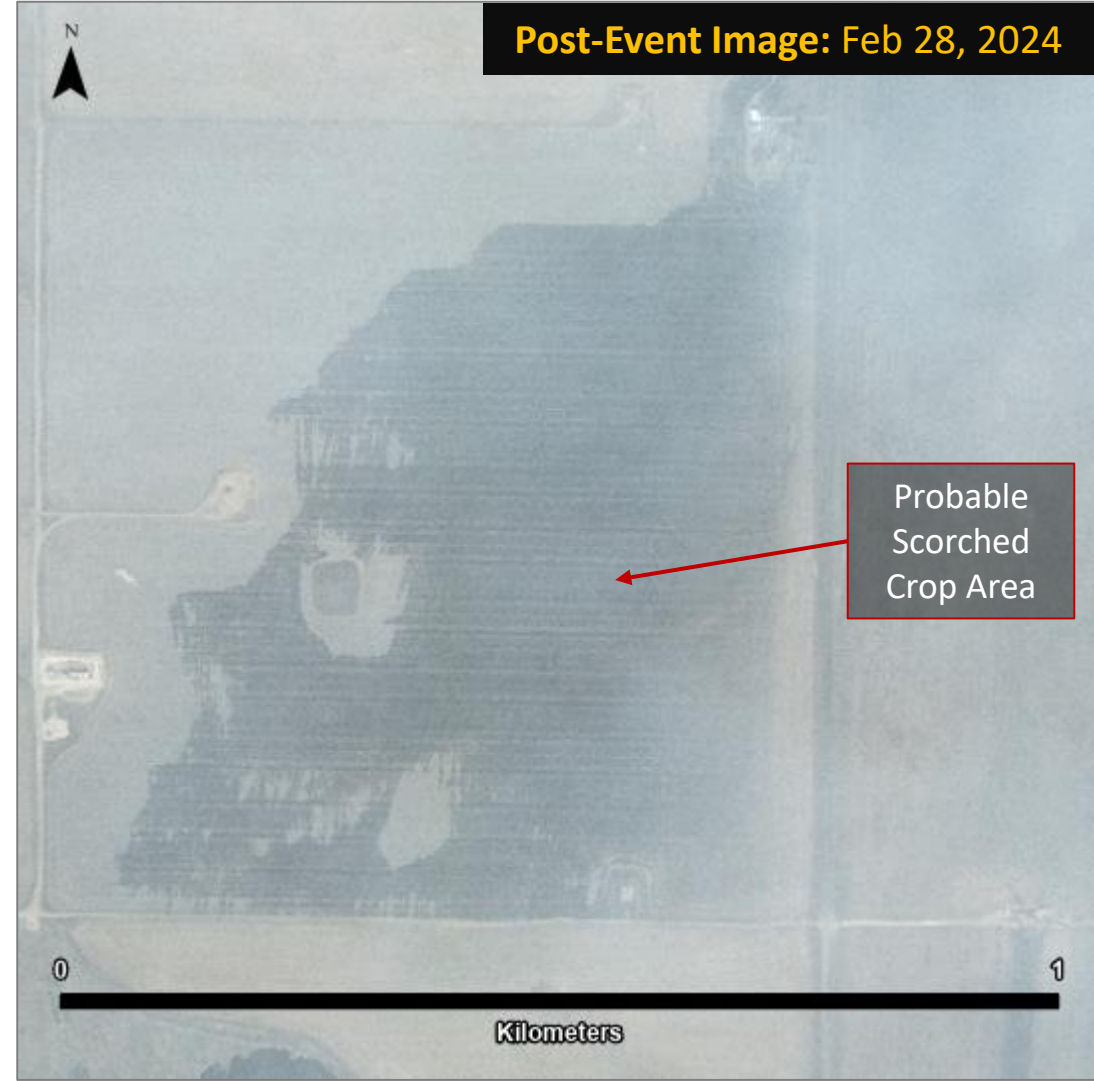
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Smokehouse Creek Fire, Roberts County, TX: Damage to Crop Field



Pre-Event Image: Feb 19, 2024



Post-Event Image: Feb 28, 2024

Probable Scorched Crop Area



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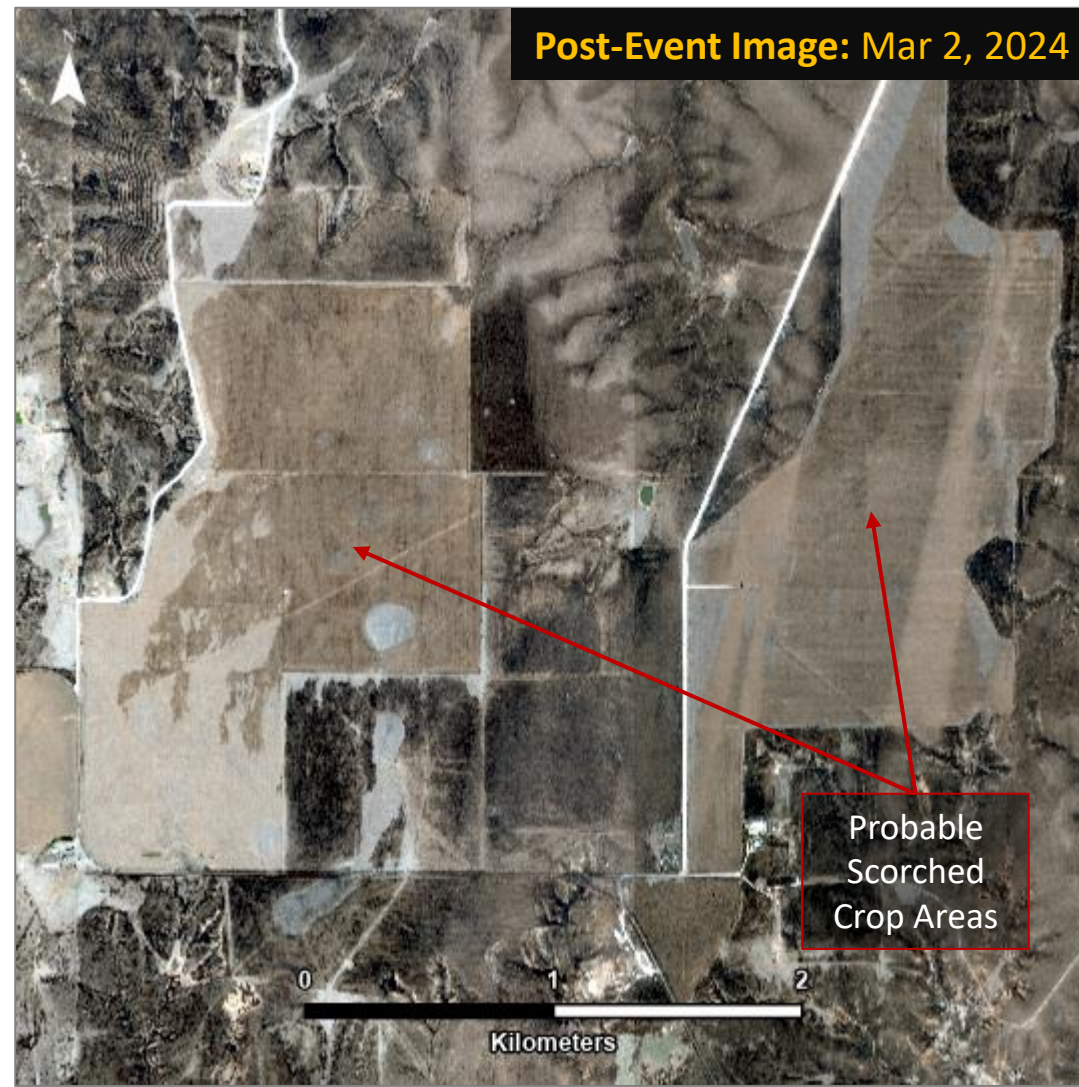




Smokehouse Creek Fire, Roberts County, TX: Damage to Crop Field



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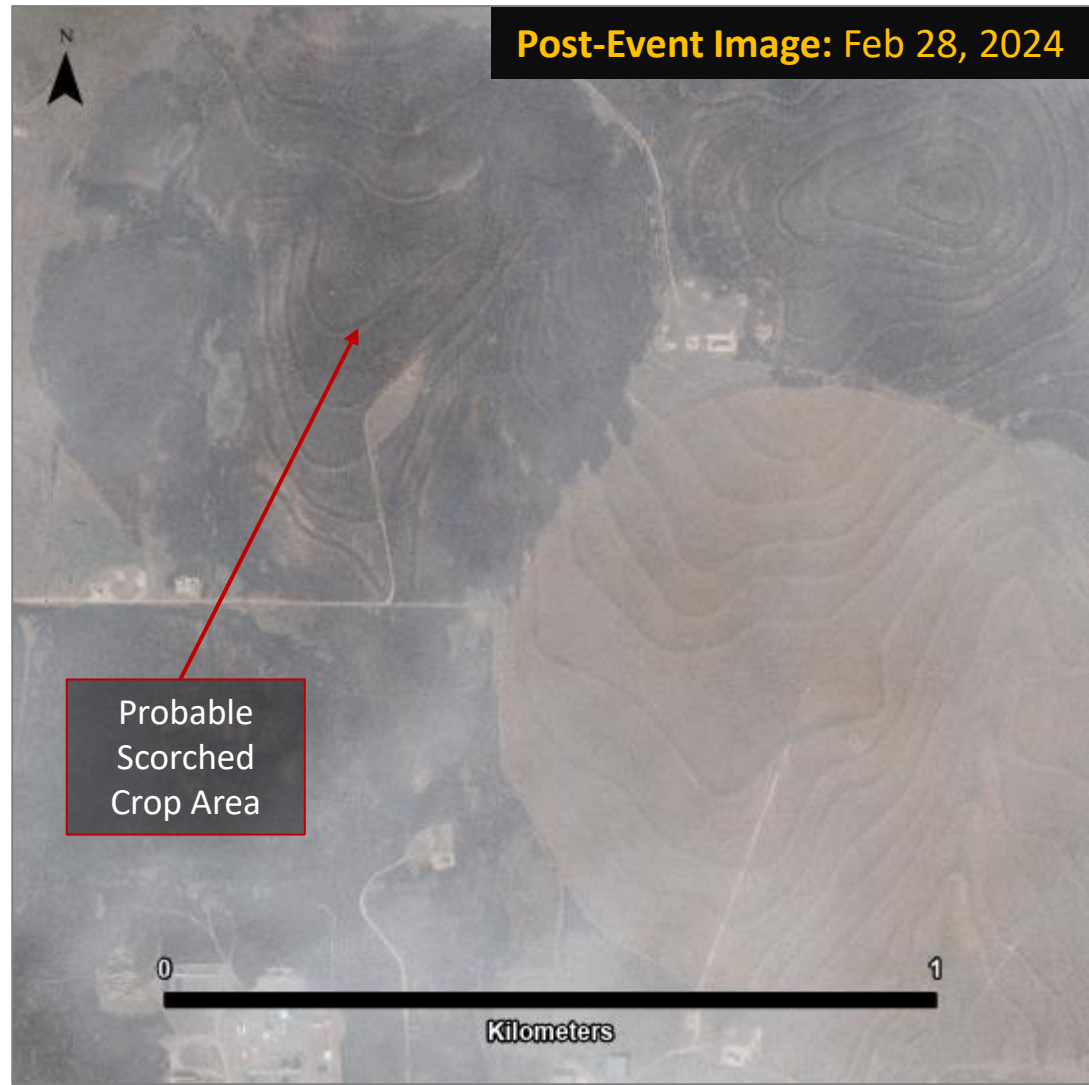




Smokehouse Creek Fire, Hemphill County, TX: Damage to Crop Field



GeoEye-1 © 2023 Maxar

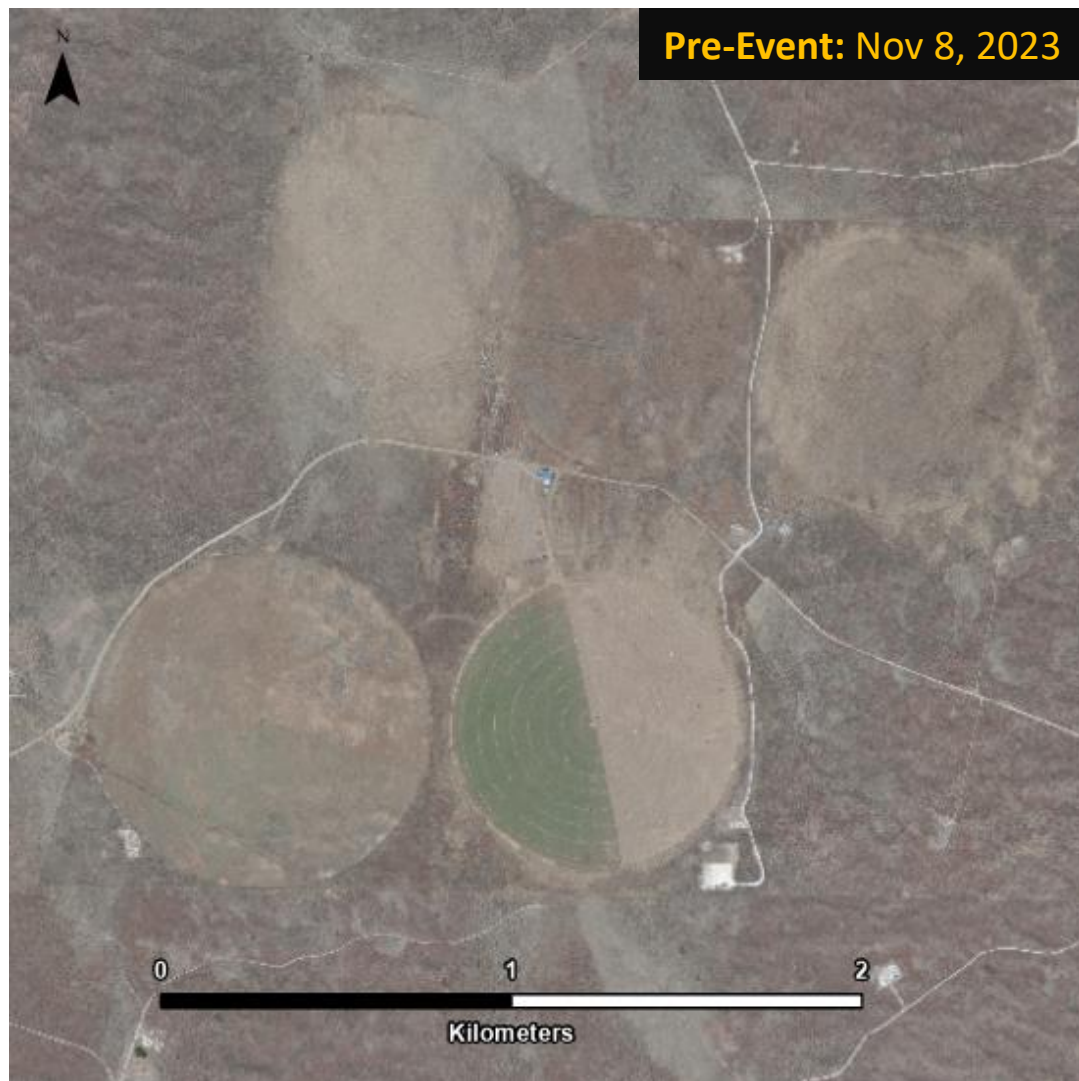


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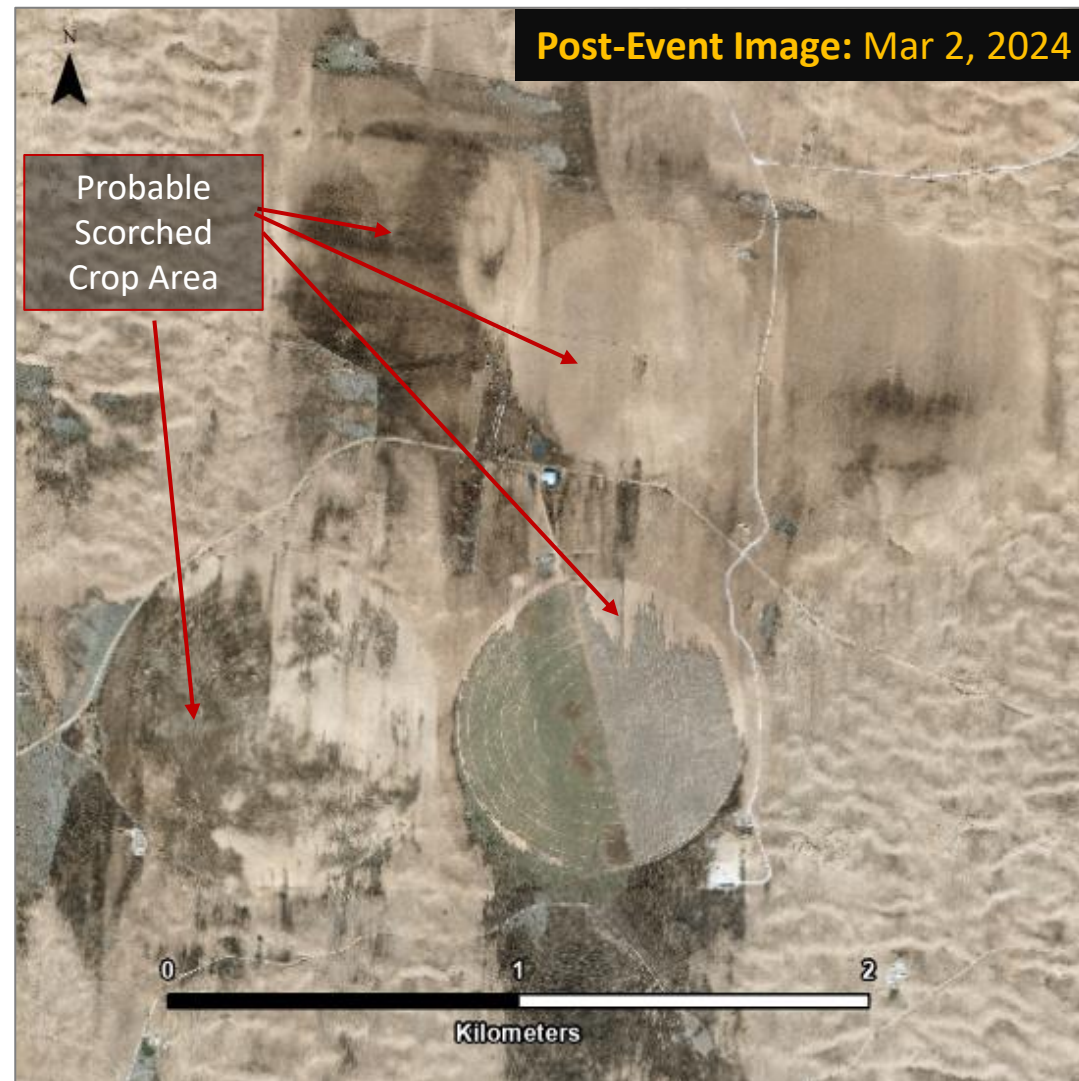




Smokehouse Creek Fire, Hemphill County, TX: Damage to Crop Field



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