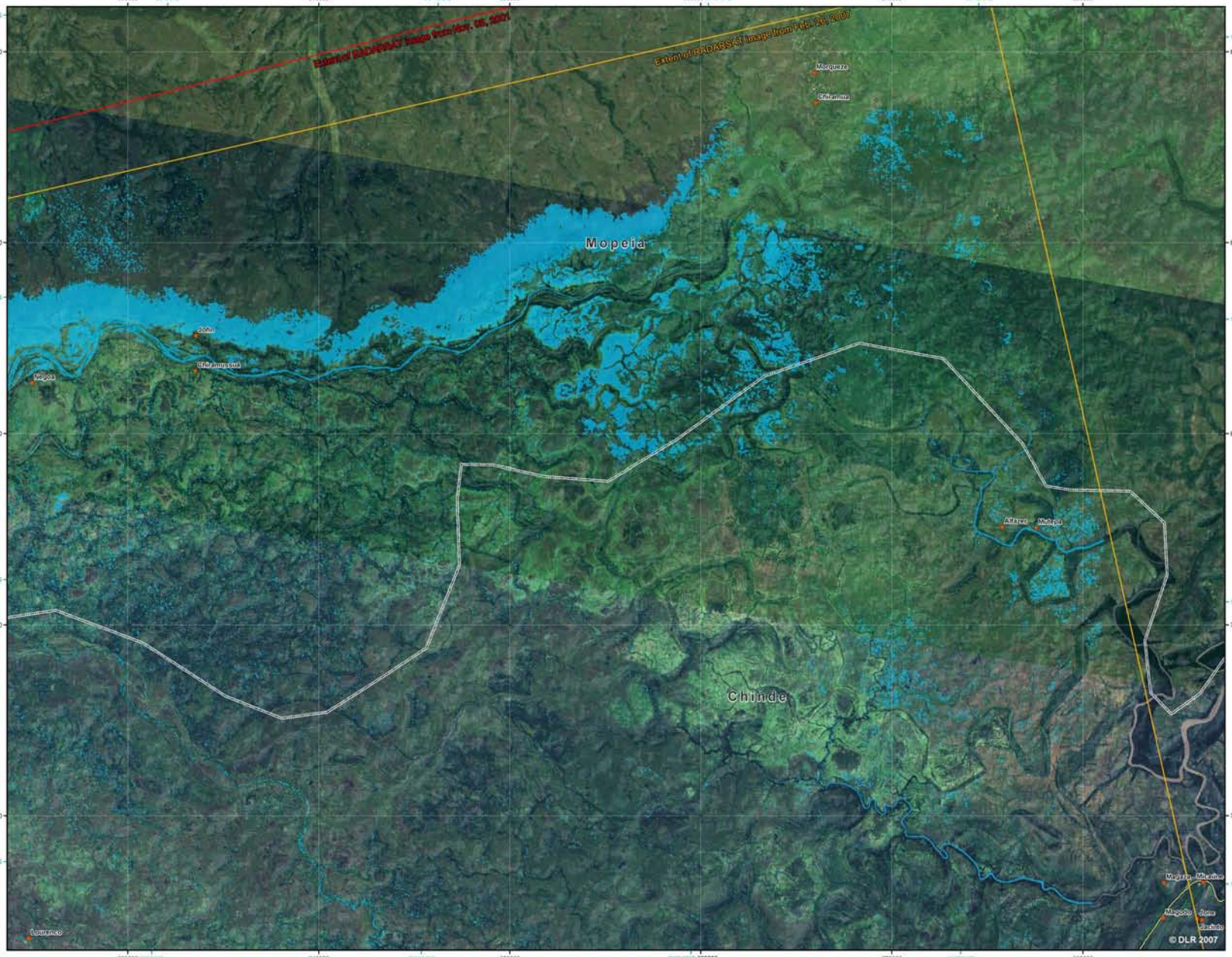
# MOZAMBIQUE - Zambezi Flood - Flood Extent February 26, 2007 - Sheet 2: River Delta (North)

1:100.000






## Legend

Sea surface | Vegetation | Riverbed

Population:
- District capital
- Town/Village

Infrastructure:
- Road
- Damaged/flooded road

Borders:
- Province border
- District border

River situation (Nov. 03, 2000):
- Water surface

Flood situation (Feb. 26, 2007):
- Water surface

Health:
- Health station/ Health post

## Interpretation

Heavy rains since end of January 2007 across the Zambezi River Basin (Mozambique) have led to increased water levels along the river and its major confluents. Red alert level was reached on February 4, 2007 and the situation is expected to last for several weeks causing the need for international help.

This map shows the flood situation around the eastern river delta in the southern district of Chinde. The semi-transparent layers show the extent of the Zambezi River at a normal rain season level (dark blue, Nov. 03, 2001) and during the flood (light blue, February 26, 2007). The water masks were derived from Radarsat-1 SAR imagery and superimposed on a LANDSAT-7 RGB image of July 16, 2000 (dry season).

## Scale

0 2.000 4.000 6.000 8.000 m N

Scale: 1:100.000 for DinA1 printing

Reference coordinate system: *Geographic coord. info*

| | | |
|---|---|---|
| Projection: | UTM Zone 36 S | *Geographic (DMS)* |
| Spheroid: | WGS 84 | *WGS 84* |
| Datum: | WGS 84 | *WGS 84* |

## Data Sources

| | |
|---|---|
| LANDSAT-7 ETM | © USGS 2000/2001 |
| RADARSAT-1 | © Canadian Space Agency 2006/2007 distr. RADARSAT Int. Inc, subsidiary of MDA |
| SRTM C-BAND | © USGS 2007 |
| VECTOR DATA | © CIDDI-GIS 2001, USAID 2001/2007 |

## Processing/Analysis

Image processing and map creation by DLR:
- Digital Elevation Model from SRTM C-band data
- Flood extent derived from RADARSAT-1 data

Map created February 28, 2007 by ZKI@DLR.DE

*RESPOND
GMES Services Supporting Humanitarian Relief, Disaster Reduction & Reconstruction
http://www.respond-int.org

User coordination: UNOSAT satellite imagery for all

Map generation: DLR Center for Satellite Based Crisis Information – Emergency Mapping & Disaster Monitoring

Data provision