Update 1: Analysis of the Chucha Transitional Camp, Ben Guerdane, Tunisia (as of 21 March 2011)

ANALYSIS SUMMARY: A total of approximately 2,480 tents and building structures were identified with a high degree of confidence within the well-defined and structured transitional camp site encompassing a current area of approximately 40ha. Of this total, 2,220 tents were likely erected for displaced people as of 21 March 2011, with a further 260 tents and fixed buildings likely allocated for camp infrastructure and staff. Between 3 and 21 March 2011, the camp expanded significantly in both size and capacity, adding over 1,200 tent shelters as well as a range of purpose-built structures likely dedicated for food, health, sanitation and camp management. Tent shelters erected in early March were also extensively reorganized in several areas in order to improve shelter density, distribution and internal foot traffic. Based on an analysis of the average tent shelter size, the camp had as of 21 March a capacity for a little over 12,000 people according to official UNHCR recommended standards. There was also ground prepared which could accommodate approximately 500-600 additional tents.
Tunisian Transitional Camp Analysis
By UNITAR/UNOSAT – 05 April 2011

ANALYSIS BACKGROUND: This is a satellite-based quantitative analysis of the Chucha transitional camp for displaced people fleeing the conflict in Libya, located along the southern side of highway route P1, 8.5 kilometers west of the Ra’s Ajdir border crossing facility in Ben Guerdane, Tunisia. This assessment provides an updated estimate of the number of tent shelters erected within the camp, the average tent size, and the derived recommended camp population capacity, as based on satellite imagery recorded the morning of 21 March 2011. Two annotated maps are included for reference (see pages 3-4). This report is part of an ongoing satellite monitoring program of UNITAR/UNOSAT of the Libyan crisis in support of international humanitarian assistance and created to respond to the needs of UN agencies and their partners. Additional analytical reports and updates will be produced based on new satellite imagery tasking and analysis.

TENT SHELTER COUNT ANALYSIS RESULTS:
A semi-automated shelter detection analysis was conducted using satellite imagery recorded on 21 March 2011. A total of approximately 2,480 tents and building structures were identified with a high degree of confidence within the well-defined and structured transitional camp site encompassing a current area of approximately 40ha. Of this total, 2,220 tents were likely erected for displaced people with a further 260 tents and fixed buildings likely allocated for camp infrastructure and staff.

Between 3 and 21 March 2011, the camp expanded significantly in both size and capacity, adding over 1,200 tent shelters as well as a range of purpose-built structures likely dedicated for food, health, sanitation and camp management. Tent shelters erected in early March were also extensively reorganized in several areas to improve shelter density, distribution and internal foot traffic. There were two main tent types identified, measuring approximately 3x6m and 4x5m in size respectively. Based on official UNHCR recommended standards this would allow for a camp population capacity of a little over 12,000 people. There was also ground prepared that could accommodate approximately 500-600 additional tents. Chucha camp could be readily expanded beyond its current configuration if needed. This is a preliminary analysis and has not yet been validated in the field. Please send feedback to UNITAR/UNOSAT at the contact information below.

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1 The Ikonos satellite contains a very high resolution optical sensor with a spatial resolution of 100cm. Imagery provided by European Space Imaging.
2 This is an update analysis of earlier report published by UNOSAT on 4 March 2011 (http://www.unitar.org/unosat/node/44/1545).
Update 1: Transitional Camp Analysis: 21 March 2011
Tent Count, Camp Boundaries and Expansion Areas

Civil Conflict
GLIDE Code: OT-2011-000025-LBY
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Production Date: 05/04/2011

Map Scale for A4: 1:5,500

Tent Count Figures:
- 2,220 Tents for Displaced People as on 21 March 2011
- 260 Tents likely for camp infrastructure and staff
- Average tent size: (18-20m²)
- Est. Current recommended capacity: 12,100 people

The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian and development agencies & their implementing partners.

Transitional Camp Extent:
- Total Camp Extent (21 March)
- Camp Extent Growth (3-21 March)
- Camp Expansion Areas (21 March)

Transitional Camp Tent by Type:
- Tents for Displaced People (21 March)
- Camp infrastructure tents/buildings (21 March)

Functional Road Class:
- Highway
- Tertiary
- Trail

Note: Map has been rotated 12 degrees from North to improve map visualization

Heavy concentrations of both people and vehicles along the likely market place

Extensive camp expansion between 3-21 March

Primary camp area for immediate expansion of additional 300 tents

Extensive tent reconfiguration between 3-21 March

Map Scale for A4: 1:15,500

Note: Map has been rotated 12 degrees from North to improve map visualization