

SATELLITE-IDENTIFIED IDP CONCENTRATIONS, ROAD & BRIDGE OBSTACLES IN CARREFOUR, HAITI (UPDATE 1)

Operational Analysis with GeoEYE-1 Data Acquired 13 January 2010 and QuickBird data acquired 4 March 2008

This work was done in support of the international humanitarian relief effort in Haiti following the earthquake on 12 January 2010. Informal IDP sites, bridges and road obstacles have been identified in GeoEye-1 imagery recorded on 13 January 2010. This is a preliminary analysis & has not yet been validated in the field. Road and bridge damages have likely been underestimated. Please send ground feedback to UNITAR / UNOSAT.

Earthquake
7.0M

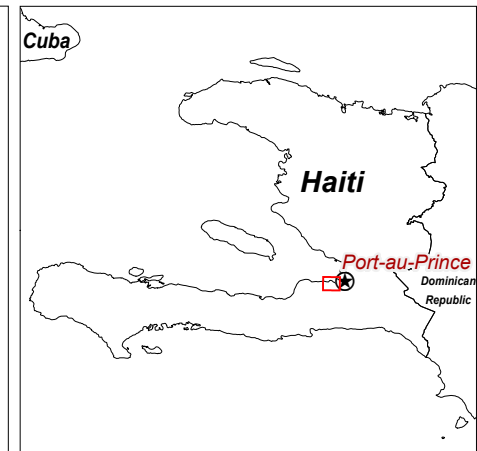
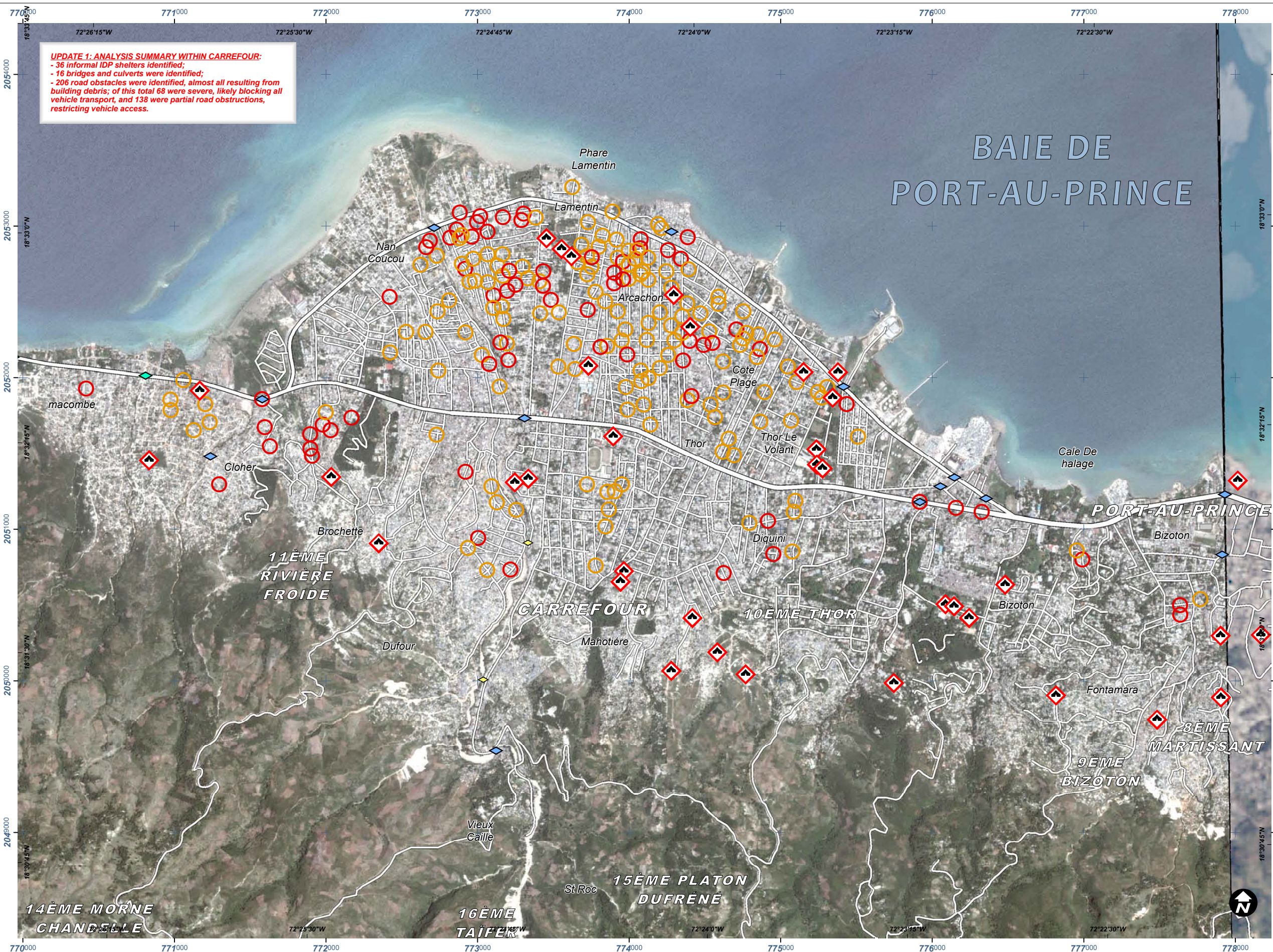


15 January 2010
(19:00:00 UTC)

Version 2.0

Glide No:
EQ-2010-000009-HTI

UPDATE 1: ANALYSIS SUMMARY WITHIN CARREFOUR:
 - 36 informal IDP shelters identified;
 - 16 bridges and culverts were identified;
 - 206 road obstacles were identified, almost all resulting from building debris; of this total 68 were severe, likely blocking all vehicle transport, and 138 were partial road obstructions, restricting vehicle access.



Legend

- Likely Informal IDP Site
- Bridge & Road Obstacles Probable Operational Status
- Likely Closed by Debris
- Likely Restricted by Debris
- Airfield
- Port
- Bridge
- Culvert
- Foot Bridge
- Primary Road
- Secondary / Urban Road
- Unpaved / Minor rd
- Railroad

Map Scale for A3: 1:25,000
 UTM grid coordinates given in 1/2km intervals
 Elevation contour lines in 20 meter intervals
 Background satellite imagery QB2- 8/7/2008 (DigitalGlobe)

0 125 250 500 750 1,000 Meters

Satellite Data (1)	GeoEye-1
Imagery Dates	13 January 2010
Resolution	50cm
Copyright	GeoEye 2009
Satellite Data (2)	QuickBird-2
Imagery Date	4 March 2008
Copyright	DigitalGlobe
Source	Google Earth
Road Data	Open Street Map
Place Names	Google Map Maker
Other Data	MINUSTAH, USGS, NGA
Elevation Data	ASTER GDEM
Source	METI & NASA 2009
Analysis	UNITAR / UNOSAT
Map Production	UNITAR / UNOSAT
Projection	UTM Zone 18 North
Datum	WGS-84 (EGM-96)

Map Data © 2009 Google - Improve with Google Map Maker

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