



4 DECEMBER 2019

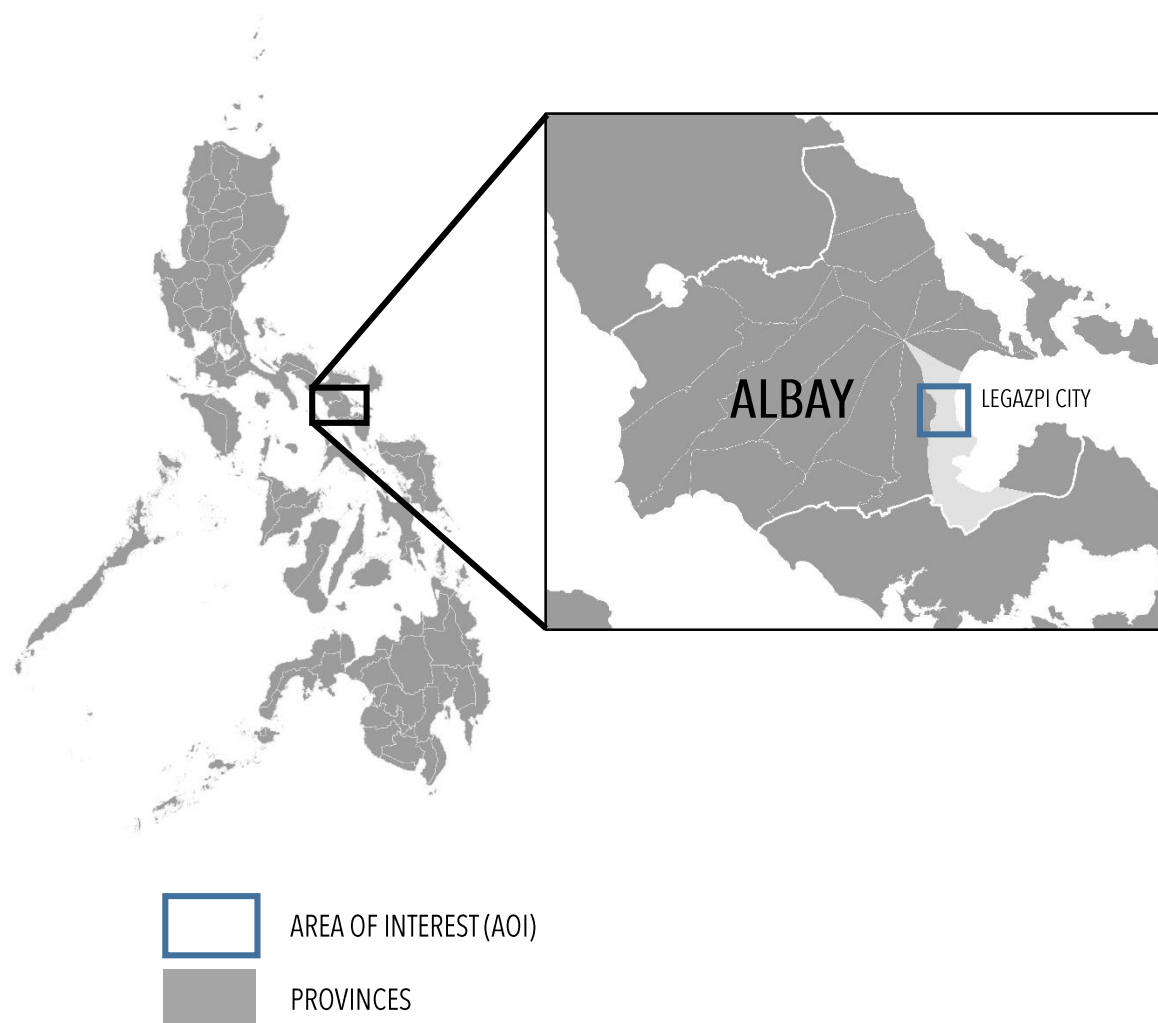
PRELIMINARY SATELLITE-DERIVED ASSESSMENT IN LEGAZPI CITY, ALBAY PROVINCE, PHILIPPINES

STATUS: DAMAGE TO BUILDINGS AND STRUCTURES DETECTED

FURTHER ACTION(S): CONTINUE MONITORING



OVERVIEW / BASED ON AOIs ASSESSED



Date of assessment validity: 4 December 2019

Impact and severity*:

- ☐ undetected
- ☒ limited impact potentially
- ☐ significant impact potentially

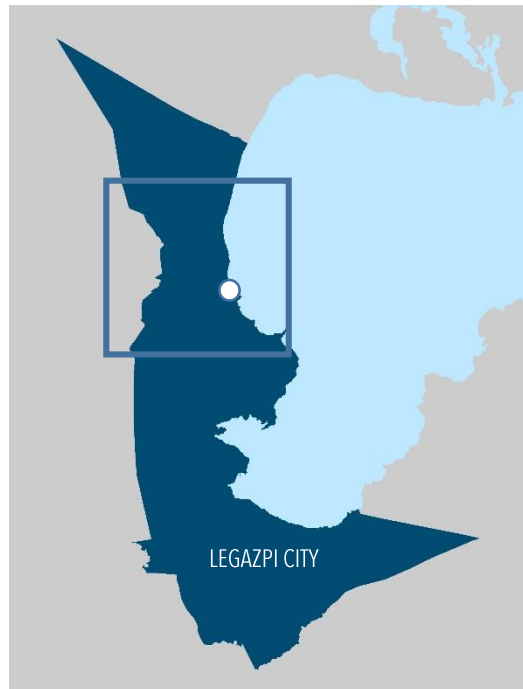
Data sources:

- (1) Satellite imagery
 - Post: Pléiades, 4 December 2019
 - © 2019 CNES, Distribution Airbus DS
 - Pre: Google Earth, 4 April 2019
 - © 2019 Maxar Technologies
- (2) Ancillary data
 - administrative boundaries: © 2019 HDX

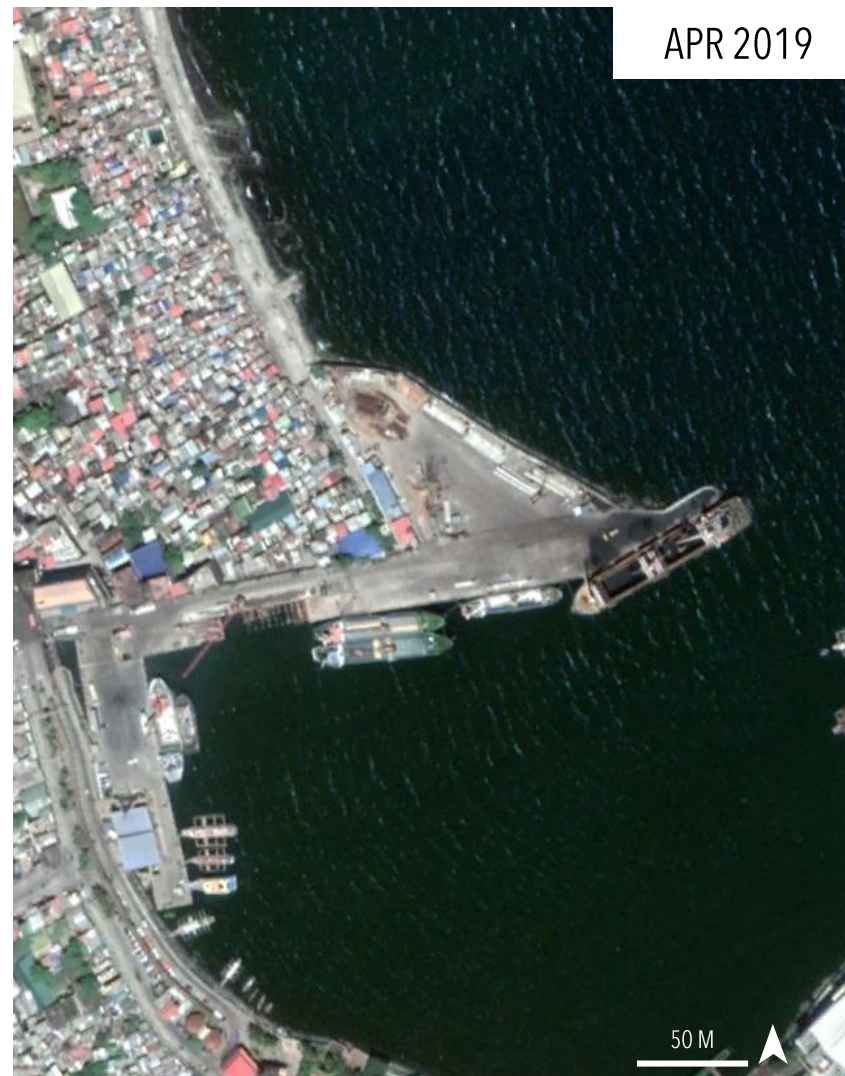
Potentially affected elements at risk (indicate all that are applicable):

- ☒ buildings - residential
- ☒ buildings - commercial/ industry
- ☐ vulnerable structures (e.g. schools, hospitals, water, sanitation, power)
- ☐ internally displaced persons (IDP) camps
- ☐ transportation network
- ☒ agriculture
- ☒ other: Construction along the sea shore

* disclaimer (i.e. assessment has yet to be validated with field-based information)



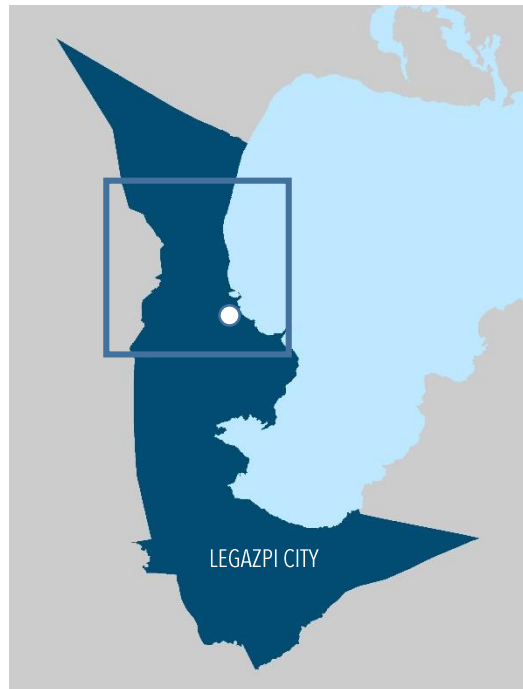
13°08'47.8"N 123°45'29.1"E



Pre-event, 4 April 2019



Pléiades, 4 December 2019



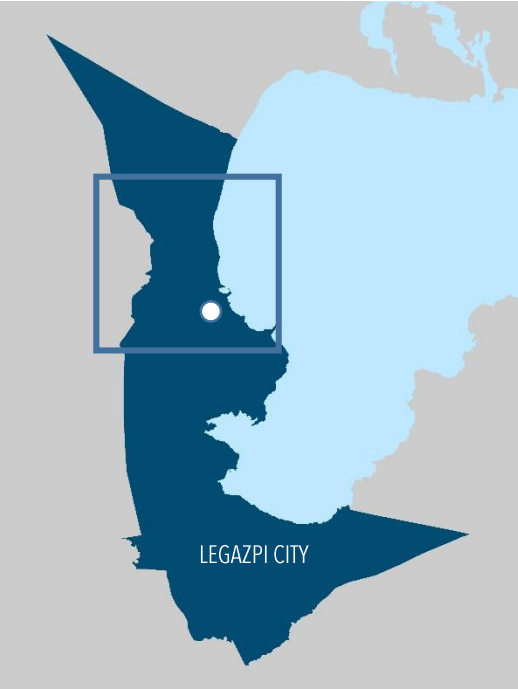
13°07'45.4"N 123°45'52.1"E



Pre-event, 4 April 2019



Pléiades, 4 December 2019



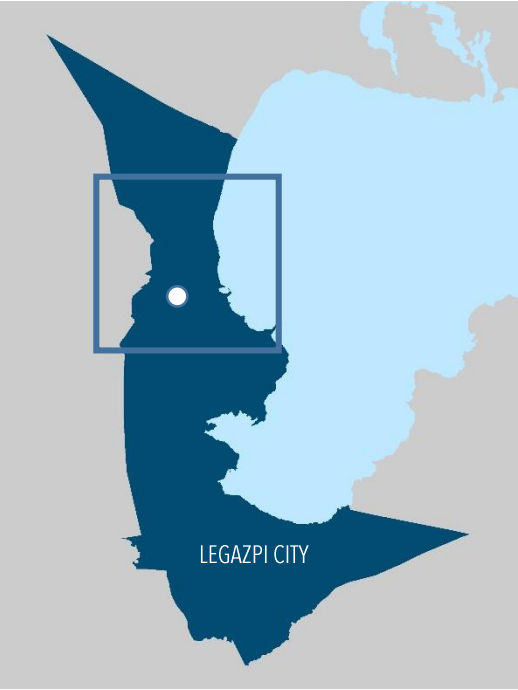
13°08'06.9"N 123°45'03.6"E



Pre-event, 4 April 2019



Pléiades, 4 December 2019



13°10'20.9"N 123°41'31.9"E



Pre-event, 4 April 2019



Pléiades, 4 December 2019

SUMMARY OF PRELIMINARY OBSERVATIONS AND FURTHER ACTIONS

Date of assessment validity: 4 December 2019

Preliminary observations, impact and severity *:

- pier and constructions were identified as damaged.
- no major satellite-detected flood waters within Legazpi City as of 4 December 2019.
- flood waters detected mainly in the agriculture area.
- buildings along the river are damaged.

Further/ anticipated actions from UNOSAT:

- ☐ no impact detected/ discontinue monitoring over specific AOI
- ☐ potential impact detected

☐ continue monitoring over specific

☐ full assessment to be conducted
- ☒ more data and/ or information needed to confirm impact

* disclaimer (i.e. assessment has yet to be validated with field-based information)