05 October 2022

TROPICAL CYCLONE NORU-22
PRELIMINARY SATELLITE-DERIVED FLOOD AND DAMAGE ASSESSMENT

Salavan, Pakse, and Attapue Cities of Lao PDR

Status: No observed major floods or widespread damage

Further action(s): Full assessment completed
AOI-1 SALAVAN CITY, SARAVAN DISTRICT, SALAVAN PROVINCE

No visible floods/damage
AOI-1 SALAVAN CITY, SARAVAN DISTRICT, SALAVAN PROVINCE

No visible floods/damage

WorldView-2/ 10 Feb. 2022

Pléiades/ 04 Oct. 2022

Image center:
106°25'23.399"E
15°42'59.979"N
AOI-2 PAKSE CITY, MUONG DISTRICT, CHAMPASAK PROVINCE

No visible floods/damage

Pléiades image acquired on 04 Oct. 2022
Image center: 105°48'21.798"E 15°7'16.438"N
AOI-2 PAKSE CITY, MUONG DISTRICT, CHAMPASAK PROVINCE

No visible floods/damage

Pléiades/ 09 Mar. 2022

Pléiades/ 04 Oct. 2022

Image center:
105°48'4.332"E
15°7'7.629"N
AOI-3 ATTAPUE CITY, SAMAKKHIXAY DISTRICT, ATTAPUE PROVINCE

Riverbank erosion along Xe Khong River
AOI-3 ATTAPEU CITY, SAMAKKHIXAY DISTRICT, ATTAPEU PROVINCE

Riverbank erosion along Xe Khong River

WorldView-23/ 2 Jan. 2015

Pléiades/ 04 Oct. 2022
SUMMARY OF FINDINGS

- Riverbank erosion along Xe Khong River in Attapeu province observed as of 4 October 2022;
- No major floods or widespread damage could be observed in Salavan, Pakse, and Attapeu Cities.
COPRIGHTS AND SOURCES

Data sources:

(1) Satellite Image (Post-event)
Satellite Data: Pleiades
Imagery Dates: 04 and 5 Sep. 2022 (03:30 UTC)
Resolution: 50 cm
Copyright: ©CNES (2022), Distribution Airbus DS.
Source: Airbus DS

(2) Satellite Image (Pre-event)
Satellite Data: Pleiades
Imagery Dates: 09 Mar. 2022
Resolution: 50 cm
Copyright: ©CNES (2022), Distribution Airbus DS.
Source: Airbus DS

Satellite Data: WorldView-2
Imagery Dates: 10 Feb. 2022
Copyright: 2022 Digital Globe
Source: ESRI Basemap

Satellite Data: GeoEye-1
Imagery Dates: 9 Oct. 2020
Copyright: 2020 Digital Globe
Source: ESRI Basemap

(3) Ancillary data
Cyclone track: Joint Research Centre (JRC)
Analysis: United Nations Satellite Centre (UNOSAT)
Production: United Nations Satellite Centre (UNOSAT)