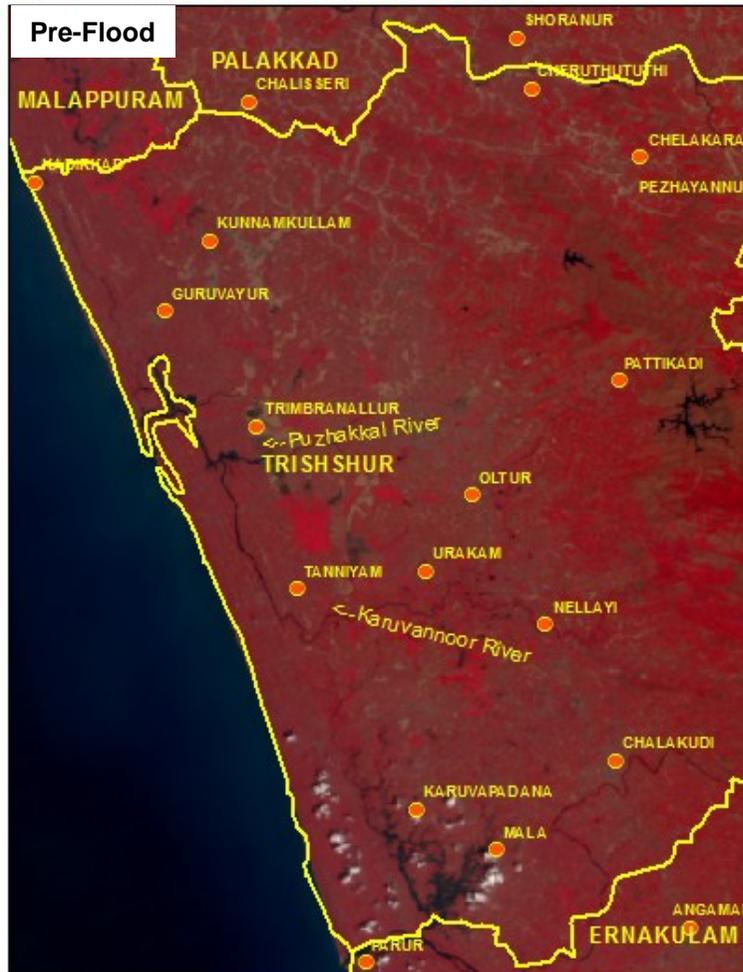


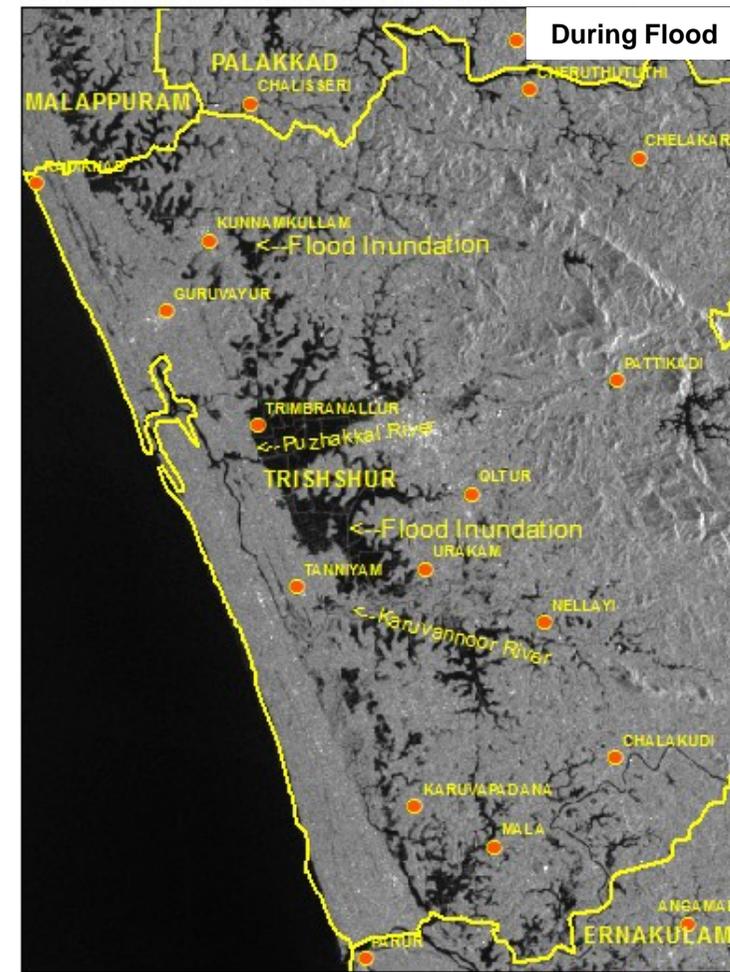
# KERALA FLOODS - 2019

- Heavy incessant rains were reported in Kerala state during first week of August, 2019 inundating vast tracts of land in 7 districts. NRSC acquired Sentinel-1B and Radarsat-2 satellite data of 10<sup>th</sup> & 12<sup>th</sup> August, 2019 to map & monitor the flood inundated areas. The following satellite images show pre & post flood situation in districts.

Resourcesat-2 AWiF S Image as on Mar 06, 2018



Sentinel-1B SAR Image as on Aug 10, 2019



## Legend

- Settlements
- District Boundary

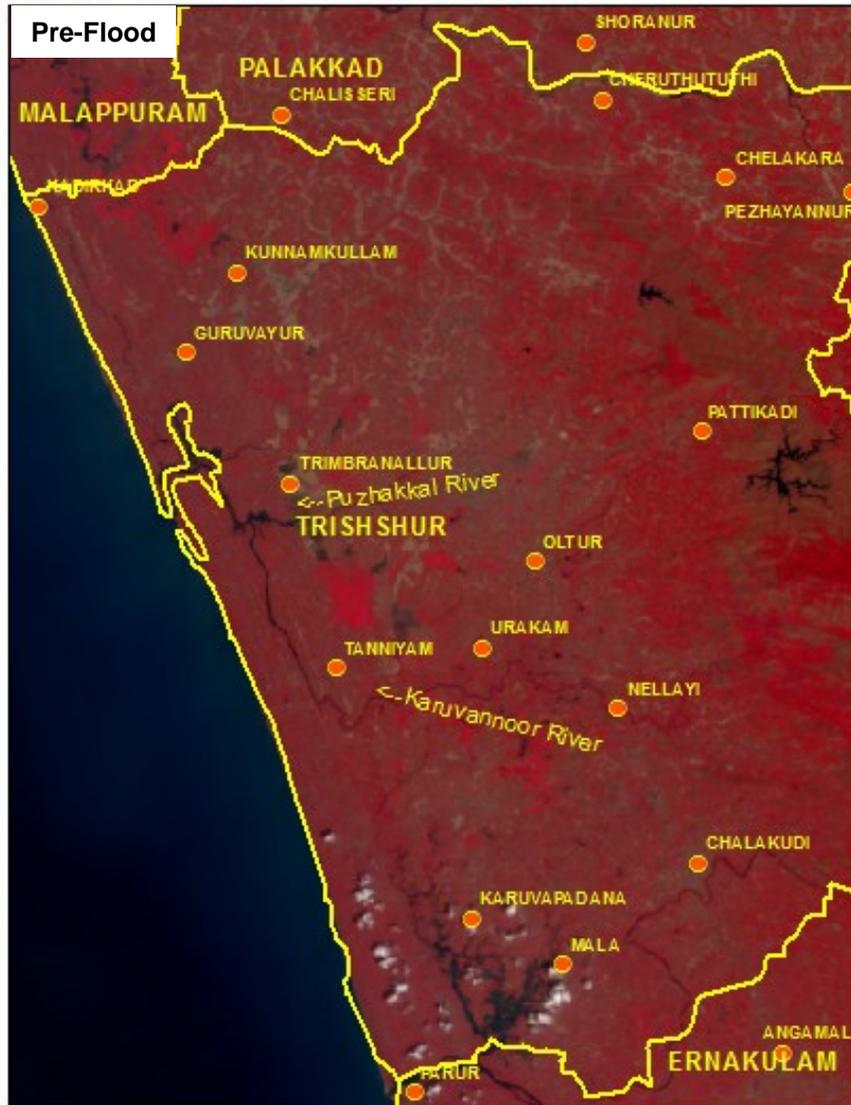


Location Map

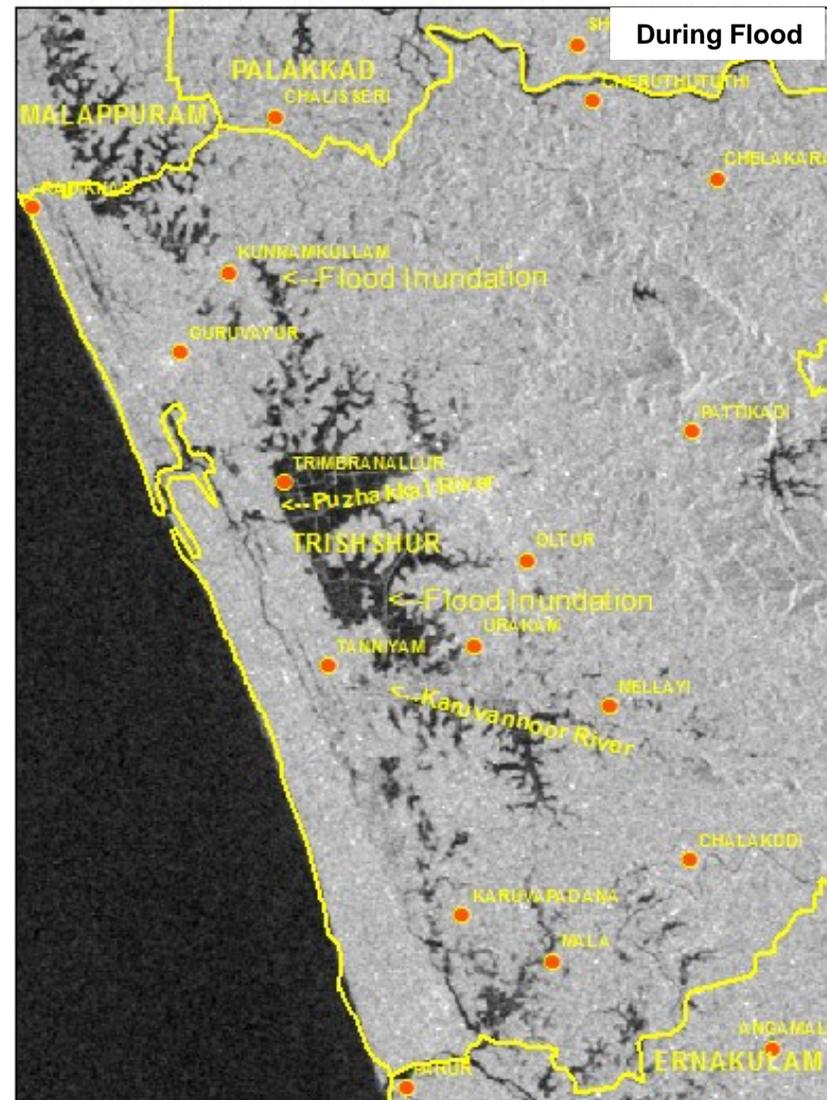


# KERALA FLOODS - 2019

Resourcesat-2 AWiF S Image as on Mar 06,2018



RADARSAT-2 SAR Image as on Aug 12,2019



## Legend

- Settlements
- District Boundary



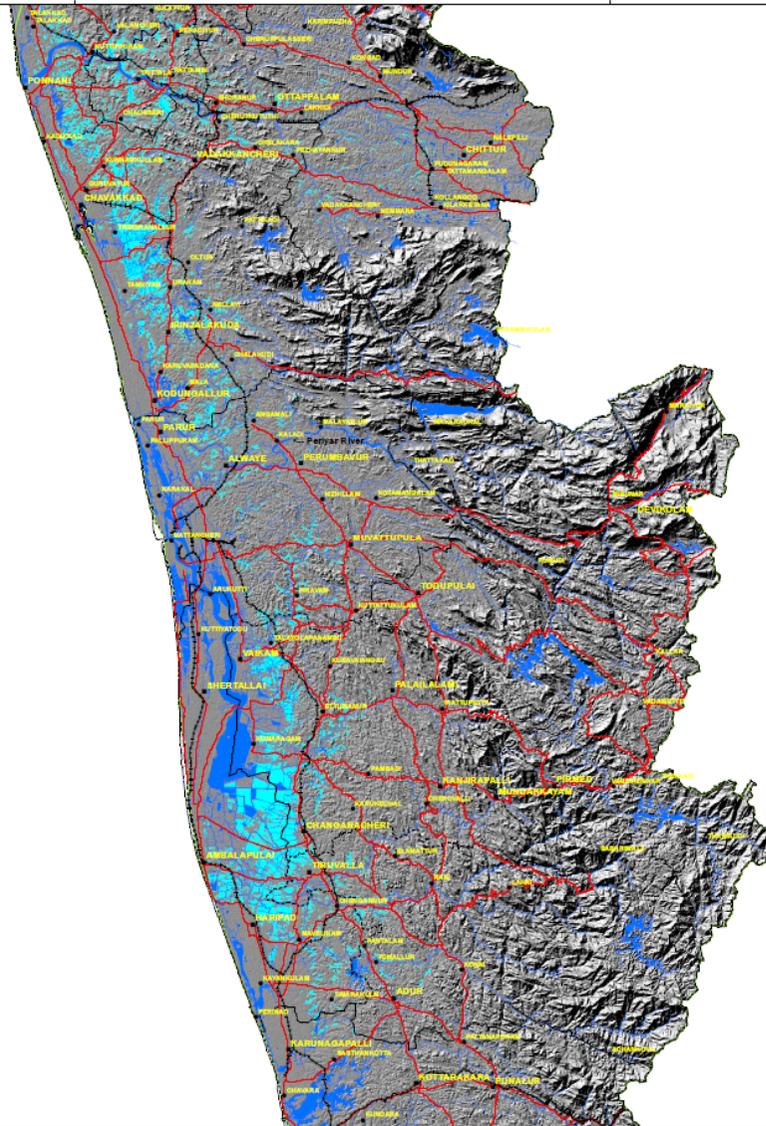
## Location Map



# KERALA FLOODS - 2019

## Flood Inundated areas in part of Kerala State

Based on the analysis of SENTINEL 1B SAR Image of 10-August-2019



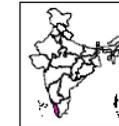
Note: When publishing this map as part of any report, source may be indicated as " NRSC (2019) - Flood Inundated areas in Part of Kerala State (as on 10 August 2019)" dated 11.08.2019 DSC/NDEM Map no : 2019/01, NRSC/ISRO, Hyderabad

For official use

DISASTER EVENT ID: 11-FL-2019-KERALA  
MAP ID: 2019/01

Date of Issue : 11.08.2019

### Location Map



### About the Event

Heavy incessant rains were reported in Kerala state during the first week of August 2019. Several districts are reported to be inundated due to heavy rains.  
(Source: News Media)

### Satellite Observations

This map highlights the flood inundation in 7 districts of Kerala State as on 10th August 2019.

### Satellite data used

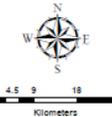
Pre Flood: Post Flood:  
Satellite:ResourceSat-2 SENTINEL-1B SAR of 10-August-2019  
Sensor: AWIFS  
Date of Pass: 06-March-2018

### Other data used

NRC Landuse/Landcover Data  
Background data - Shaded Relief

### Legend

- Settlements
- State boundary
- District HQ
- Normal River/Water Bodies
- ++++ Railway
- Major Roads
- Flood Inundation
- Area covered by Satellite
- District boundary



This product is prepared on rapid mapping mode for immediate use and sharing amongst official agencies. This provides preliminary results.

Flood inundation may include rain water accumulation / flood water in low lying areas.

Districts with inundation less than 1000 ha are not included in the statistics

All geographic information has limitations due to the scale, resolution, date and interpretation of the original source materials.

No ground verification is done.

DSC / NDEM  
National Remote Sensing Centre, ISRO  
Dept. of Space, Govt. of India  
Hyderabad- 500 037  
E-Mail: flood@npsc.gov.in  
www.npsc.gov.in

