








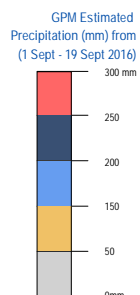


Estimated Risk for the Location of Camps

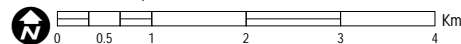
This map illustrates the analysis of the estimated risk associated to the geographic location of the camps installed in Farsund in the south of Sorland. The analysis was conducted using the satellite detected water extent that was extracted using SAR images covering the area and the precipitation accumulation for the southern part of Sorland reported during the period from 1 to 19 September 2016. The precipitations were derived from the Global Precipitation Measurement (GPM) dataset at a spatial resolution of approximately 10km. It was considered in the analysis that rainfall is expected to continue in the coming days. It is possible that precipitation levels may have been underestimated for local areas, and is not a substitute for ground station measurements.

Legend

- Camp location risk**
-  High Risk
-  Low Risk
-  Province boundary (VEST)
-  Municipality boundary (Farsund)
-  Urban area (Hauge)
-  Permanent water body
-  Satellite detected water extent

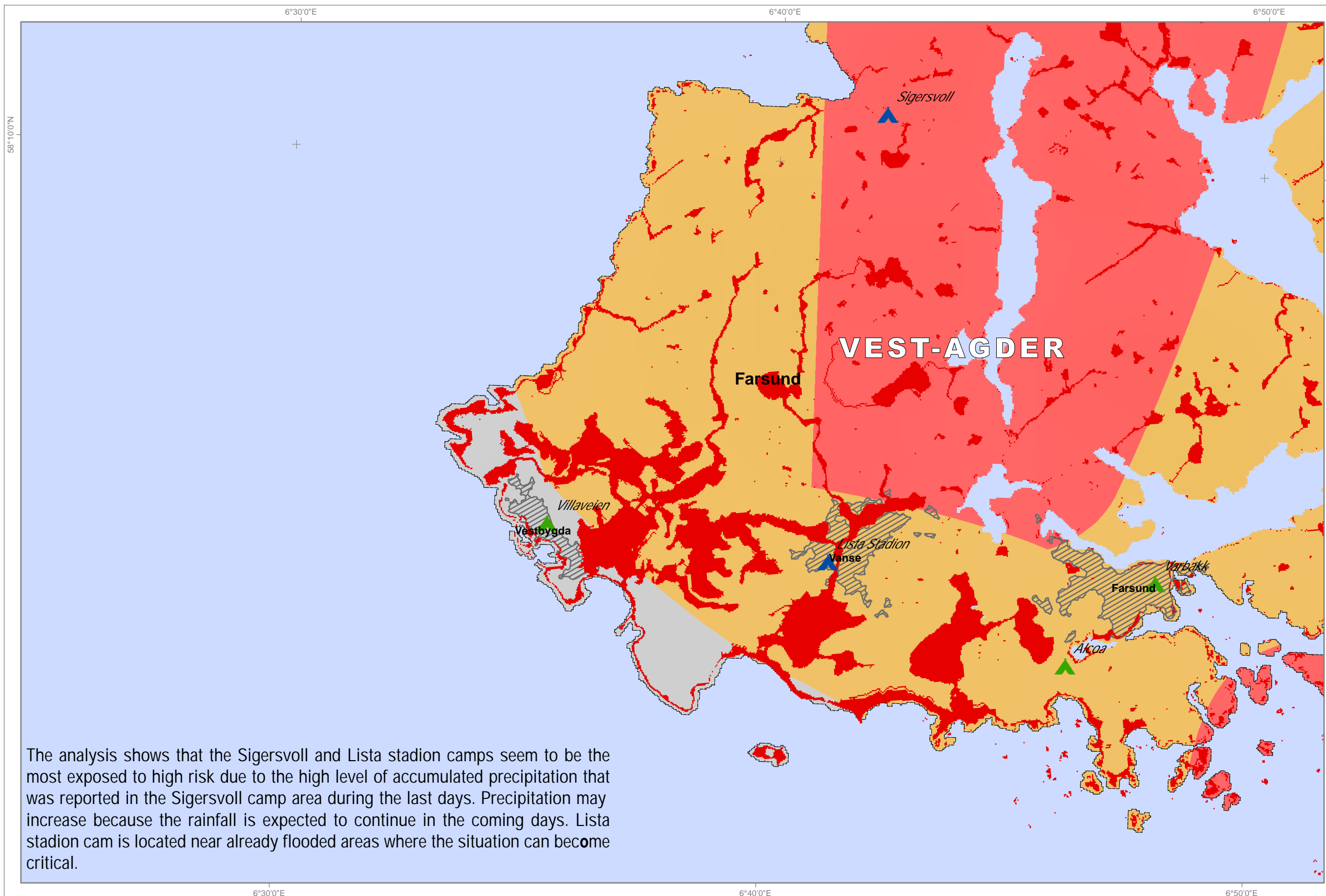


Map Scale for A3: 1:80,000



Analysis conducted with ArcGIS v10.3

Coordinate System: WGS 1984 UTM Zone 32N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter



Precipitation Data : GPM
Resolution : ~10km
Date Series : 1 September to 19 September 2016
Copyright: NASA
Source: NASA

Satellite Data : SAR image
Imagery Date : 27 September 2016
Resolution : 10 m
Copyright: Copernicus 2014 / ESA
Source: Sentinel-1 Scientific Data Hub

Baseline Data: Norwegian Water Resources and Energy Directorate
Analysis : UNITAR - UNOSAT
Production: UNITAR - UNOSAT

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