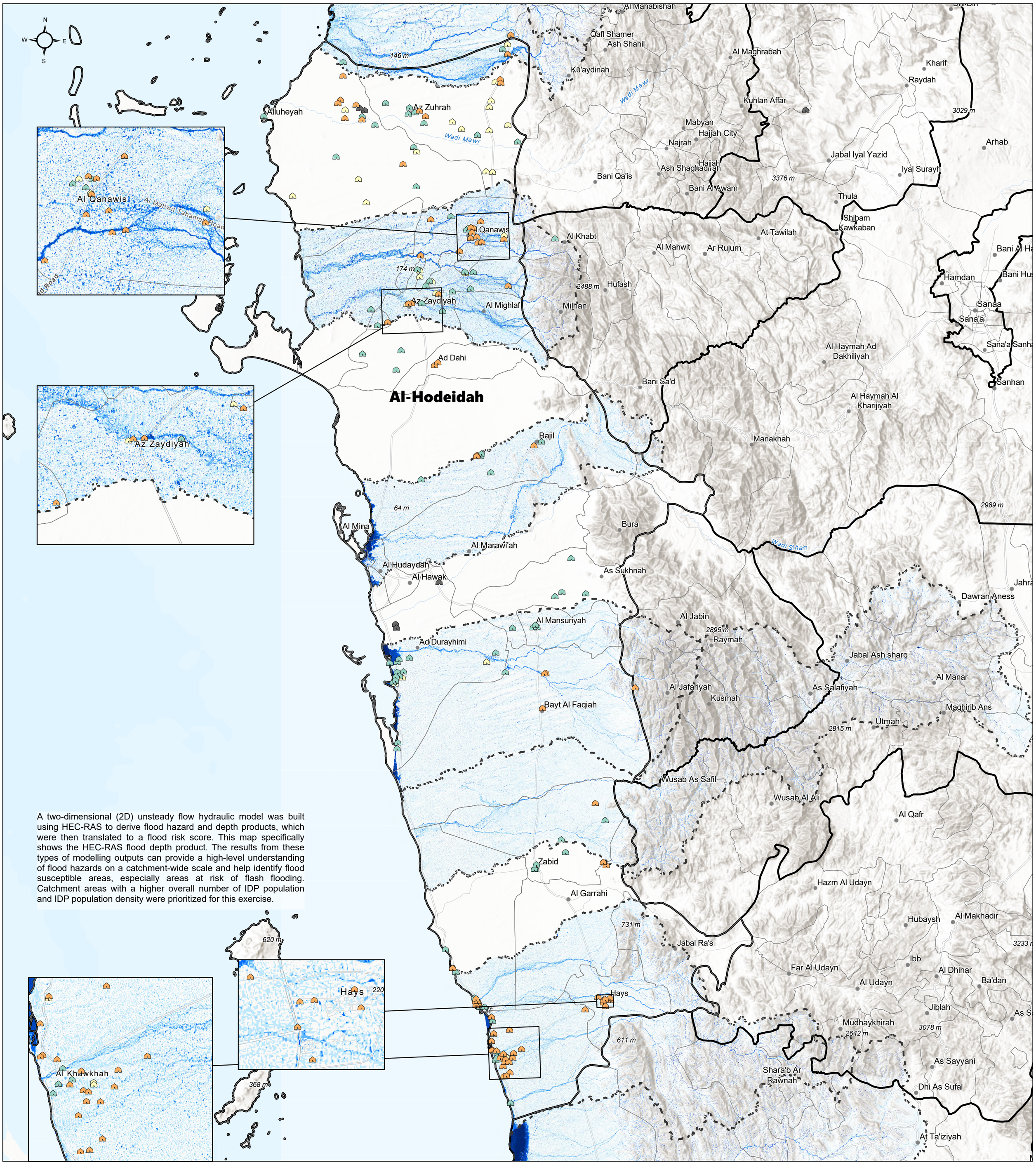
YEMEN
CCCM CLUSTER
دعم مجتمعات النازحين

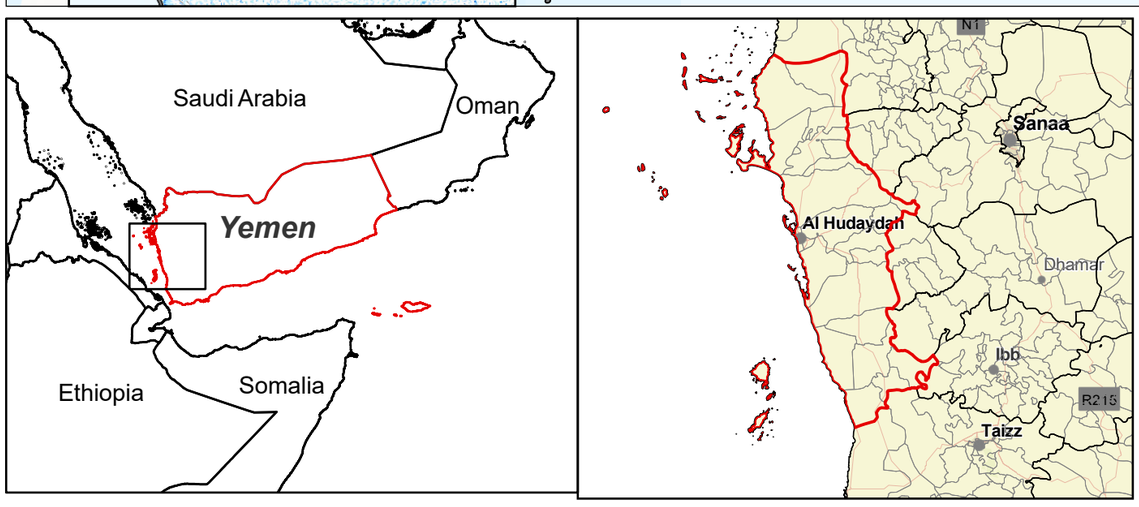
# Yemen - Flood Hazard of IDP Sites

## Al Hodeidah Governorate - Flood Depth Model - January 2024

**Version 1**
**Production Date : 30 May 2024**




A two-dimensional (2D) unsteady flow hydraulic model was built using HEC-RAS to derive flood hazard and depth products, which were then translated to a flood risk score. This map specifically shows the HEC-RAS flood depth product. The results from these types of modelling outputs can provide a high-level understanding of flood hazards on a catchment-wide scale and help identify flood susceptible areas, especially areas at risk of flash flooding. Catchment areas with a higher overall number of IDP population and IDP population density were prioritized for this exercise.







**Flood Depth (meter)**

- 0 - 0.5 (Low - No Risk)
- >0.5 - 1 (Medium)
- >1 - 2 (High)
- >2 - 5 (Very High)
- >5 (Extreme)

Governorate | District | Basins

**IDPs Sites Flood Depth Classification**

- Critical 0 Sites
- High 87 Sites
- Medium 32 Sites
- Low 87 Sites
- Unknown 6 Sites

Data Sources:
- IDP Sites: CCCM IDP Hosting Site Master List (December 2023)
- Flood Data:• REACH Flood Hazard (HEC-RAS) Models (2022)
- REACH Site Monitoring Tool 2023 (R1-R8) & REACH Site Reporting Tool R1 2023
- CCCM Flood Report (January 2023)
- 2024 CCCM National IDP Site Flood Risk Analysis, Incl-Sub-National Cluster Coordinators' Estimated Flood Scores.

This map illustrates IDP hosting sites in Al Hodeidah according to their flood hazard score classification from the REACH 2024 National Flood Hazard Analysis Dataset.
Crucially, not all sites are displayed on this map due to the unavailability of GPS coordinates for many sites.
This map was designed by REACH as part of the National Flood Hazard Analysis for Yemen.



Coordinate System: GCS WGS 1984
File: REACH_YEM_Map_Al Hodeidah_CCCM_Flood_Depth_IDPSites_30May2024_A2_V1
Contact: reach.mapping@impact-initiatives.org