

# EFAS reporting points

## Updated in EFAS 4.4.0



Emergency Management

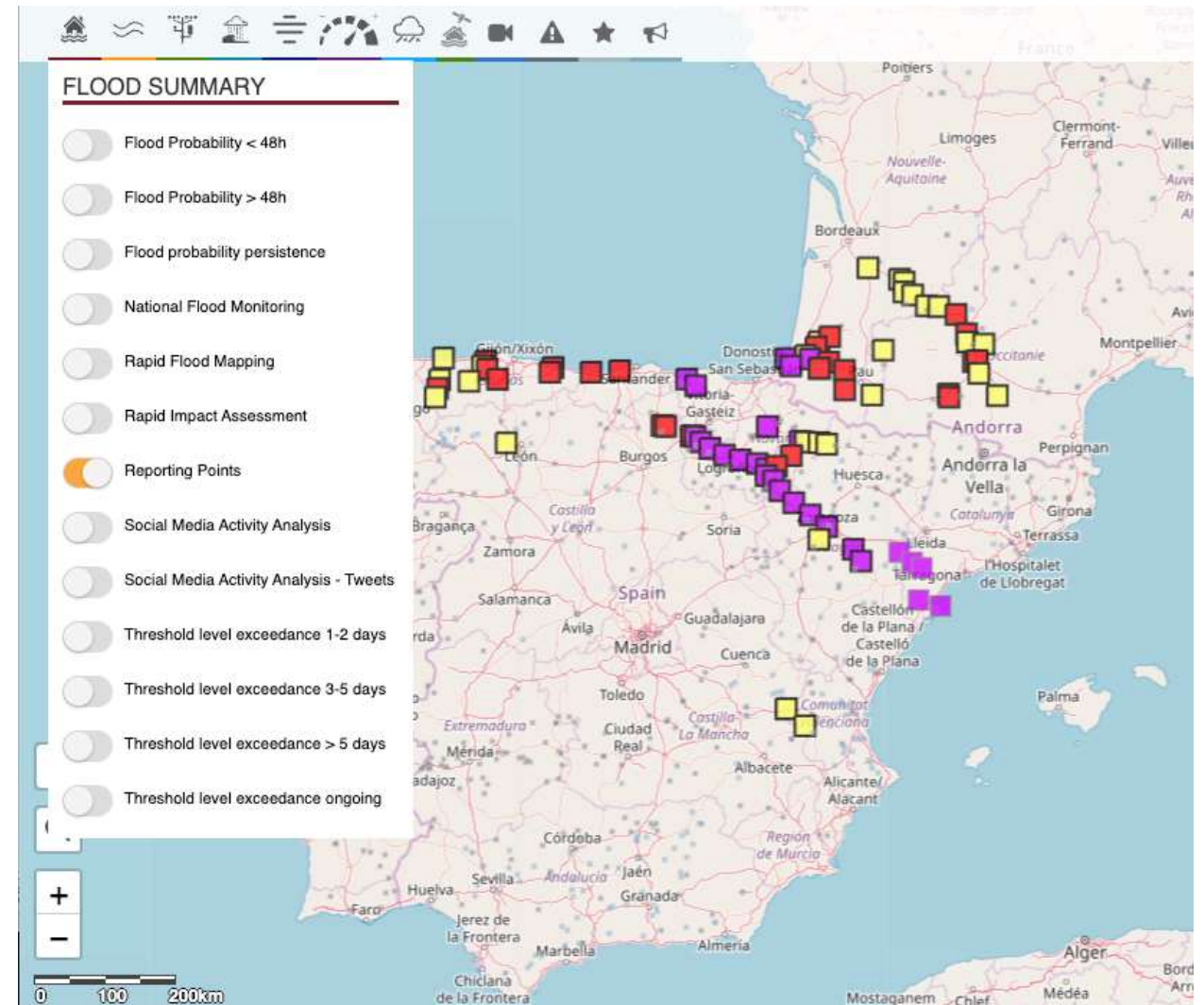
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# The reporting points layer on EFAS

- Core products of EFAS
- Gives an overview of the floods over Europe
- Interactive layer
- Gives access to local and detailed forecast information
- Used by DISS to issue flood notifications



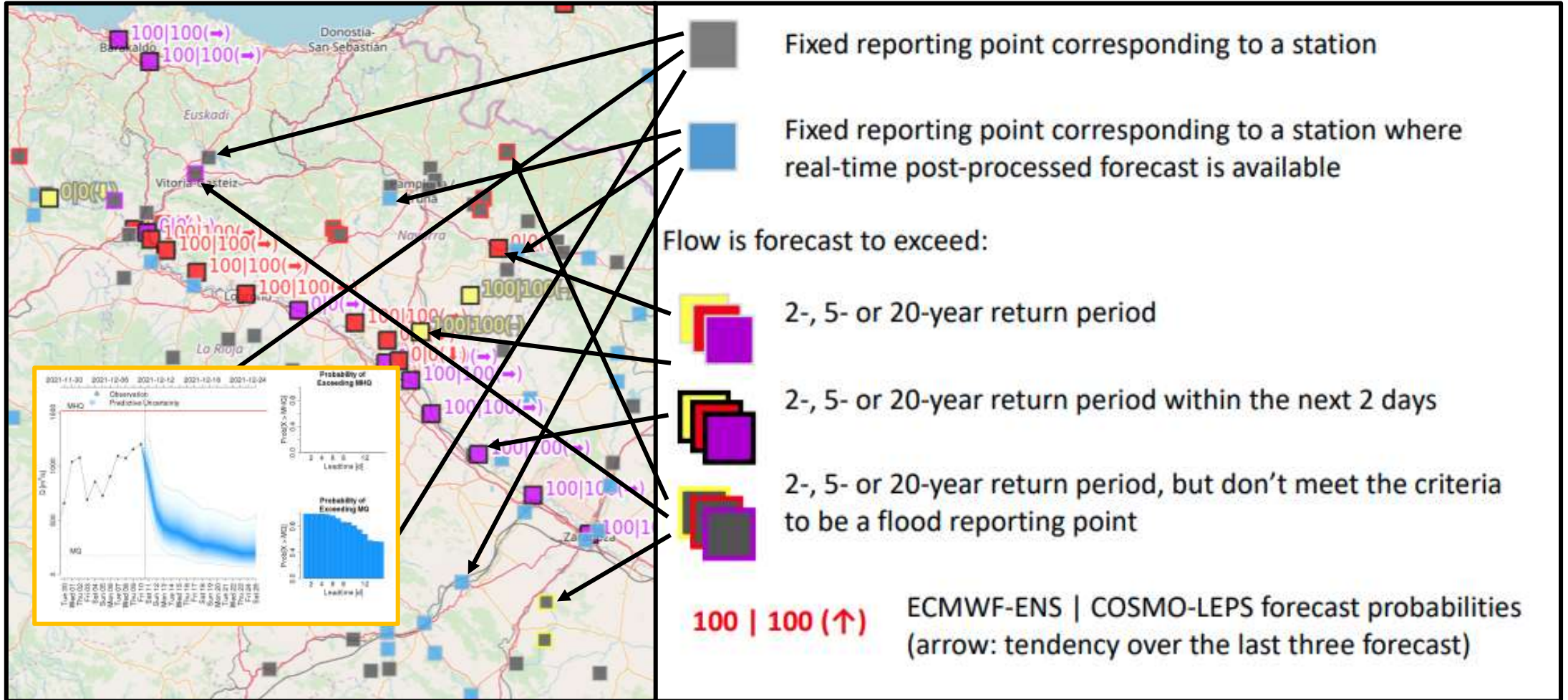


# Emergency Management

The screenshot displays the Emergency Management System interface. At the top, there is a navigation bar with the following elements: a logo, the text "Operational Emergency Management System Flood monitoring and forecasting", and a menu with "Home", "Training", "Wiki", "Viewer", "Dashboard", "Feedback", "Cart", and a user profile icon labeled "Coraminh Carlsen". Below the navigation bar is a toolbar with various icons for map interaction. The main area is a map of Spain and surrounding regions, including Cantabria, Euskadi, Navarra, La Rioja, Huesca, Catalonia, and Andorra. Major cities like Madrid, Barcelona, and Zaragoza are labeled. A date and time selector in the top right of the map area shows "06/12/2021" and "12:00". A scale bar at the bottom left indicates distances up to 50km. The map is overlaid with a grid and various colored lines representing roads and boundaries.



# Legend





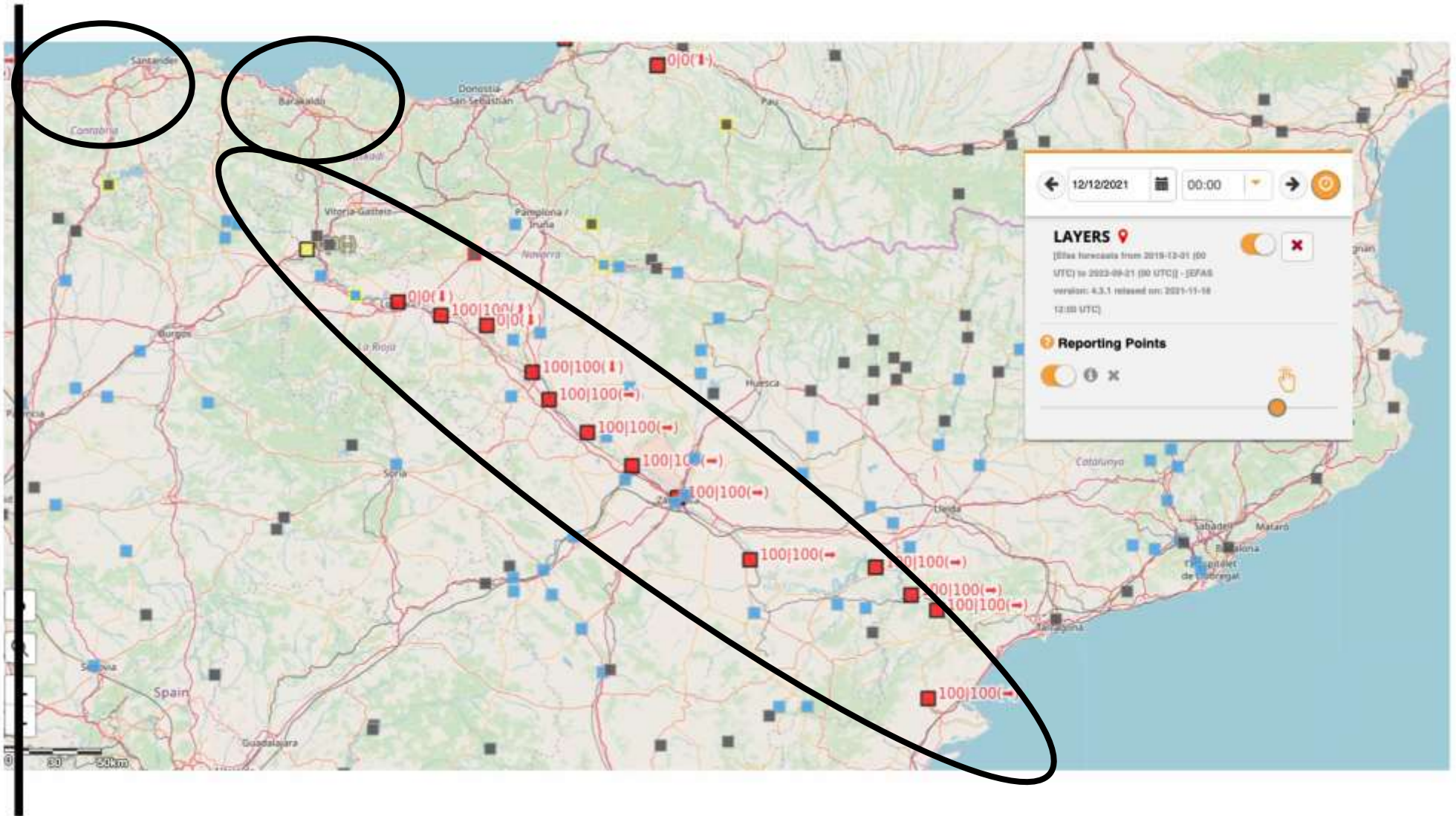
## What's new in EFAS 4.4?

- Reporting points algorithm and products reviewed following feedback from DISS
  - Simplify the rules and thresholds
  - Add new features to simplify the analysis of the forecasts
- Reporting points layer:
  - Added 20-year return period points
  - Improved algorithm for dynamic points
    - Points consistent from one forecast to another
    - Dynamic points created at two locations: most downstream point and max probability location
  - New probability thresholds
- New flood probability persistence layer
  - Main quantity used to compute the reporting points
  - Shows three levels of flood severity, together with probability
  - Updated forecast weights to avoid jumpiness caused by the deterministic forecasts
- Tables in pop-up window aligned with flood probability persistence layer



Emergency  
Management

# Updated reporting points layer



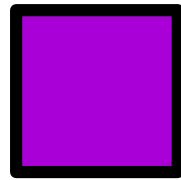
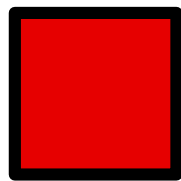
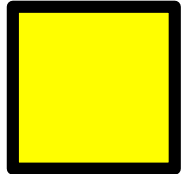




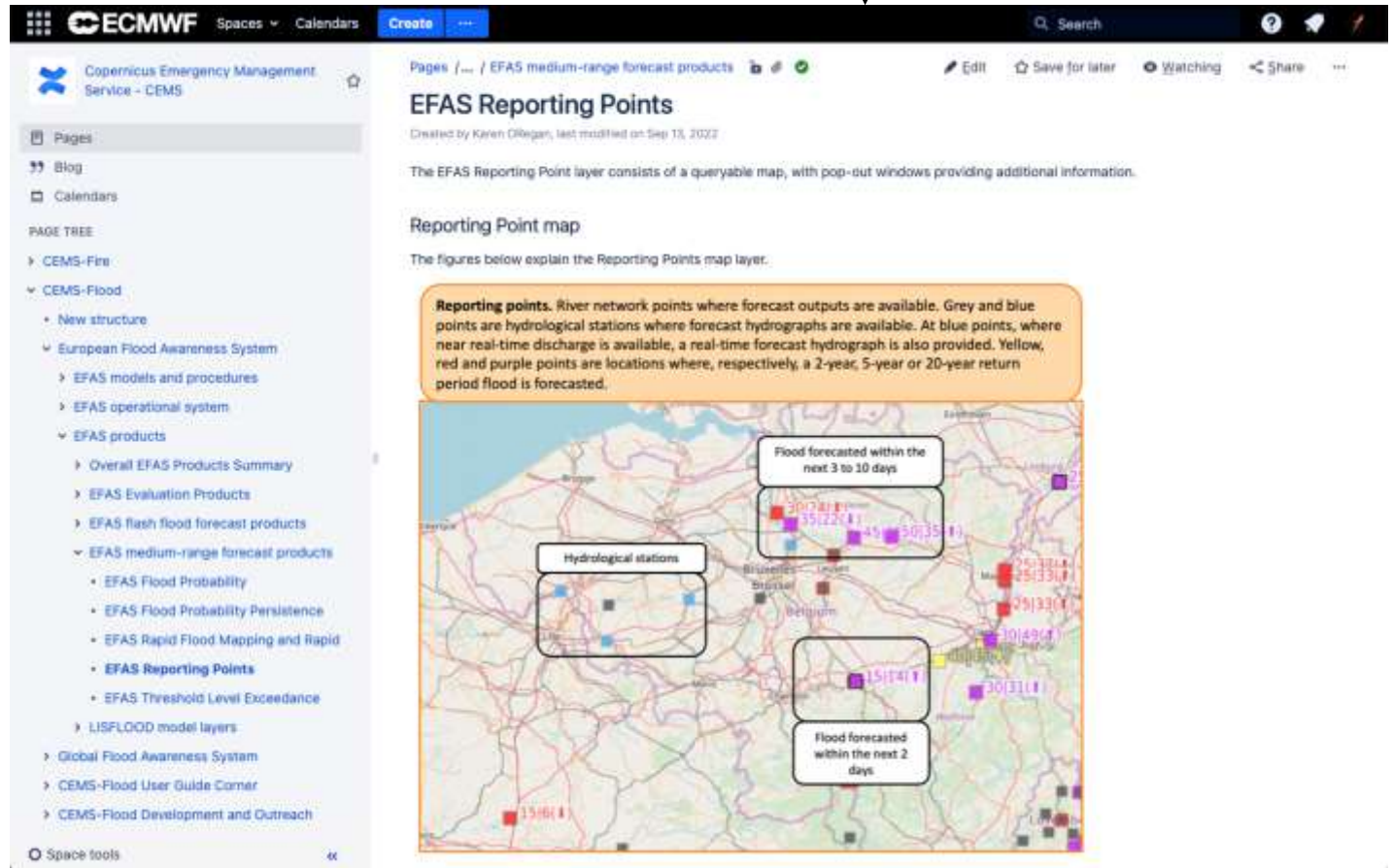




<https://confluence.ecmwf.int/display/CEMS/CEMS-Flood>



Thank you !



The screenshot shows the 'EFAS Reporting Points' page in the Copernicus Emergency Management Service (CEMS) Confluence Wiki. The page title is 'EFAS Reporting Points' and it was created by Karen O'Brien. The main content area features a 'Reporting Point map' with a legend explaining the symbols: grey and blue points for hydrological stations, yellow points for 2-year return period floods, red points for 5-year return period floods, and purple points for 20-year return period floods. The map shows a network of rivers and stations in Europe. A text box on the map states: 'Reporting points. River network points where forecast outputs are available. Grey and blue points are hydrological stations where forecast hydrographs are available. At blue points, where near real-time discharge is available, a real-time forecast hydrograph is also provided. Yellow, red and purple points are locations where, respectively, a 2-year, 5-year or 20-year return period flood is forecasted.'