Ketchikan Coastal Update

Scope

Updated Detailed Studies
- Hoadley Creek = 0.99 miles
- Ketchikan Creek = 1.2 miles
- Schoenbar Creek = 1.00 miles

Redelineation of Effective Detailed Studies
- Carlanna Creek = 0.08 miles (study within the proposed new LiDAR footprint)

Hydrology
- USGS Regional Regression equations are used to develop peak flow discharges for riverine flooding sources.
- Ketchikan Creek will be done using Gage or Mid-Range Analysis

Hydraulics
- One-dimensional steady-state hydraulic models with best available topographic data, field surveyed cross sections and structures.

Coastal Analysis
- 34 miles of Detailed Wave Hazard Analysis (12 proposed transects) – Tongass Narrows / Gulf of Alaska

Non Regulatory Products
- Flood Risk Dataset, Report and Map
- Depth Grids
  - Multi-profile grids for detailed
  - 1-percent only for approx.
- Flood Risk Dataset (refined)
  - New HAZUS, not enhanced with local info
- CSLF
- AOMI dataset

Schedule
- Hydrology to be completed by February 2014
- Hydraulics to be completed by April 2015
- Coastal to be completed by April 2015
- Draft maps scheduled to be completed / delivered May 2015

Points of Contact

Emily Whitehead STARR Project Manager Emily.Whitehead@STARR-team.com

Notes