

City of Valdez AK - PMR

Scope

Field Survey

- 2 structures and 21 cross sections (FY12)
- 5 structures and 11 cross sections (FY13)

Hydrology

- Gage Analysis on Mineral Creek (detailed study)
- Regression equation study for 16.2 miles of Zone A

Hydraulics

- Mineral Creek- 3.8 miles of detailed study (2.7 updated / 1.1 new) from Port Valdez to upstream limit of LiDAR
- Detailed analyses – AE-Study 1D (FY13)
 - Lowe River (11.7 miles)
 - Valdez Glacier Stream (4.6 miles)
 - Robe River (2.2 miles)
- 16.2 miles of updated approximate study (FY12)
 - Assumptions for both Ibek Creek and shaded Zone X areas:
 - A single N value will be used for the stream channel
 - Overbank N values will utilize a land cover dataset
 - No modeling of bridges or culverts will be included
 - Response to CheckRAS comments will not be included
 - Includes 1% annual chance flood (Ibek Creek) and 0.2% annual chance (Zone X areas) event only

Coastal Analysis

- Assumes 9 transects needed to study area
 - 17.7 miles of coastal analysis
 - Level 1 – 1 mile
 - Level 2 – 5 miles
 - Level 3 – 12 miles

Floodplain Mapping

- 25 miles of redelineation
- Zero miles of digitizing

Non Regulatory Products

- Flood Depth and Analysis Grids
 - Under this task, this proposal assumes the inclusion of the Wave Height Grids and the BFE +1, +2, and +3 grids.
 - Note: some products may not be available in areas heavily dominated by run-up.
 - Only the 1% annual chance depth grid will be developed for new Zone A areas
- Changes Since Last FIRM
- Enhanced Flood Risk Assessments
 - AOMI included
 - Tsunami Data
 - Included in the Flood Risk Database. STARR will use tsunami data from others and assumes this data to be freely available, digital and requiring minimal manipulation. No digital or hard copy maps will be produced with this data.

Schedule

- Hydrology to be completed by late August 2014
- Hydraulics to be completed by late October 2014
- Coastal Analysis to be completed by late January 2014
- Map Production (preliminary) scheduled to be completed early March 2015
- Final maps scheduled to be completed late August 2016

Points of Contact

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Notes
