

## City of Cordova AK - PMR

### Scope

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#### Field Survey

- 2 structures and 4 cross sections ~ approx. 1300 foot spacing

#### Hydrology

- Rainfall / runoff model of Eyak Lake and outlet structure to Eyak River; assumes data from others is not available
- Regression equation study for Ibek Creek, Fleming Creek, Creek No. 1, and Creek No. 2

#### Hydraulics

- Eyak Lake – updated BFE and revised floodplains from hydrology study (no RAS model needed) ~ approx. 4.5 miles (limited to panels being mapped)
- Eyak River – 1.0 miles of new detailed study from lake to just downstream of Ibek Creek
- Ibek Creek – 1.2 miles of new approx. study
- Updated 1.0 miles of Shaded Zone X on Fleming Creek, Creek No. 1, and Creek No. 2 using approximate study analysis
  - 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 7 transects needed to study area
  - 9.7 miles of coastal analysis

#### 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.
- 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

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- Hydrology to be completed by mid March 2013
- Hydraulics to be completed by late December 2013
- Coastal Analysis to be completed by late December 2013
- Map Production (preliminary) scheduled to be completed mid May 2014
- Final maps scheduled to be completed early July 2015

## Points of Contact

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## Notes

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