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| Community Name: | City and Borough of Juneau, Alaska |
| Meeting Date: | 08/30/2016 |
| Meeting Time: | 10:00 AM Alaska Standard Time |
| Meeting Location: | Community Development Dept.155 South Seward StreetJuneau, AK 99801 |
| Attendees: | **City and Borough of Juneau**Eric Feldt, Floodplain Administrator, Community Development Dept.Rob Steedle, Community Development Dept.Jonathan Lange, Community Development Dept.Beth McKibben, Community Development Dept.Greg Chaney, CBJ Lands DivisionRoger Head, CBJ E & PWBrent Fischer, CBJ Parks & Rec.Erich Schaal, CBJ Docks & HarborsCarl Uchytil, CBJ Docks & HarborsTom Mattice, CBJ Emergency Programs**State of Alaska**Sally Cox, Risk MAP Coordinator**FEMA Region X**Dwight (Ted) Perkins, Regional EngineerAmanda Siok, Risk/GIS AnalystKaren Wood-McGuiness, Floodplain Management Specialist**STARR**Emily Whitehead, Project ManagerJosha Crowley, Regional Service Center Lead, Engineer |
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| Meeting Notes:1. Meeting Introduction
* Eric Feldt opened the meeting by welcoming attendees and discussing the meeting objectives.
* Ted Perkins initiated introductions around the meeting room. Each attendee introduced themselves. There were representatives from City and Borough of Juneau (CBJ), State of Alaska, FEMA, and Strategic Alliance for Risk Reduction (STARR, FEMA’s contractor for this study). The sign-in sheet (2 pages) is included as Attachment A to the minutes.
1. Flood Risk Review Meeting PowerPoint Presentation- Introduction
* Ted Perkins, the Regional Engineer with FEMA, led the PowerPoint presentation and discussed meeting objectives. The goal of the meeting was to obtain feedback on the draft floodplain mapping before the preliminary map products are produced.
* There are three disciplines in the NFIP: Mapping, Regulations, and Insurance. The focus of the meeting is mapping. Ted stated that insurance will be more of a focus at the CCO meeting, which will occur later.
* Ted discussed the project background including previous meetings that have been held. The Discovery meeting was held on September 26, 2013. Draft workmaps and flood hazard data were provided on May 18, 2016.
1. Discussion of Study Scope of Work and Special Conditions
* Josha Crowley, Regional Service Center Lead and Engineer with STARR, discussed the labeling on the draft workmaps (both coastal and riverine study areas).
* Josha provided a summary of the coastal analysis/methodology performed for this draft flood study.
* During Discovery, CBJ mentioned the following coastal areas of concern:
* Auke Bay (Pt. Lena to Mendenhall Peninsula; 15 miles of shoreline & 296 coastal transects).
* Douglas Harbor (to Juneau-Douglas Bridge; 4 miles of shoreline & 46 coastal transects).
* Tee Harbor (3 miles of shoreline, approximate V in effective mapping).
* Josha explained the topographic data sources from the 2009 coastal studies performed by Northwest Hydraulic Consultants (NHC) and the 2013 LiDAR data provided by CBJ that STARR used for the updated draft coastal analysis performed by STARR.
* Josha provided a coastal flooding overview:
* The modeling process
* Step 1: Wave Modeling Performed by NHC
* Step 2: Wave Setup and Runup (Transect Analysis)
* Slope Comparison Analysis
* Step 3: General Mapping
* Step 3: Special Mapping Cases - Auke Cove
* Step 3: Special Mapping Cases – Fill Areas
* Josha wrapped up the coastal analysis section of the presentation by mentioning FEMA’s Coastal Outreach Website: [www.fema.gov/coastal-flood-risks](http://www.fema.gov/coastal-flood-risks)
* Josha provided an overview of the riverine scope of work for this draft study.
* Approximate flood studies were performed for: Auke Creek (0.9 mile) and Gold Creek (2 miles).
* Detailed flood studies were performed for: Duck Creek DS (1.7 miles), Duck Creek Middle (0.9 mile), Duck Creek US (0.8 mile), Unnamed Tributary to Duck Creek (0.4 mile), East Fork Duck Creek (1.3 miles), Lemon Creek (2 miles) & Jordan Creek (3.8 miles).
* Josha discussed the levels of riverine studies (Approximate and Detailed) and details regarding each level of study.
* Josha discussed the methodology for determining the floodway extents and explained why the floodway limits do not follow contours.
* The following riverine special mapping cases were brought up:
* Duck Creek (downstream) – the area near the mouth of the stream was re-routed as part of a stream restoration project, and the draft flood study data has been updated to reflect the re-location of the stream channel.
* Duck & Jordan Creeks (Mendenhall Mall area) – the draft flood analysis resulted in some flood hazard data revisions in this area.
* East Fork Duck Creek (upstream) – updates to hydrology analysis in this area resulted in revision to floodplain location and boundary.
* Gold Creek (downstream) – revised hydraulic analysis for the concrete channel segment of Gold Creek resulted in more narrow draft floodplain in this area.
* Auke Lake – using as-built plans/pictures provided by CBJ, STARR was able to develop an approximate base flood elevation (BFE) for Auke Lake. The static BFE of 71.23 feet was used to re-delineate the lake’s approximate floodplain boundaries to CBJ’s 2013 LiDAR data.
* Amanda Siok, Risk Analyst for Region 10, discussed the non-regulatory products and meetings scoped for CBJ as part of this study. CBJ will be provided with the following non-regulatory products:
* Changes Since Last FIRM
* Flood depth grids for riverine studies conducted as part of this study
* Hazus-MH Risk Assessments for flood (an example of building loss data due to flood event was provided during the presentation), earthquake and tsunami.
* Amanda discussed multi-hazard outreach inserts that can be provided to CBJ.
* Amanda explained the non-regulatory deliverables that will be developed as part of this Risk MAP study.
* Ted explained that he is working to secure funding for the next phase of this Risk MAP study which would include preliminary production and distribution. FEMA/STARR estimates 4-6 month preliminary distribution/issuance date after preliminary production starts.
1. Next Steps
* Ted asked the community to review the draft maps to see if floodplains are reasonable. Comments were requested to be submitted to Emily Whitehead with STARR by September 30, 2016.
* The PowerPoint presentations are available as Attachment B to the meeting minutes.
1. Open Discussion – After the conclusion of the PowerPoint Presentation the following items were discussed:
* Eric Feldt with CBJ asked for clarification regarding the public meeting process after the preliminary products are distributed. Ted responded that first we would schedule a Consultation Coordination Officers (CCO) Meeting during which we again meet with local government officials only, and then a couple of months later FEMA/State of Alaska/STARR/etc. could come back to Juneau to assist with a public meeting that would be CBJ’s responsibility to schedule and perform outreach to general public. Ted also clarified that the appeals period would not start until after the public meeting is held, assuming CBJ is able to schedule the meeting within the timeline discussed at the CCO meeting.
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| Name/Title: Emily Whitehead, CFM, GISP | Date: 9/7/2016 |