



# NATIONAL FLOOD INSURANCE PROGRAM

FEMA PRODUCTION AND TECHNICAL SERVICES CONTRACTOR

April 27, 2017

Mr. Peter Crews, P.E.  
Civil Engineer, AECOM  
700 G Street Suite 500  
Anchorage, AK 99501

IN REPLY REFER TO:  
Case No.: 17-10-0154P  
Community: City of Valdez, AK  
Community No.: 020094

316-AD

Dear Mr. Crews:

This responds to your additional data submittal dated March 15, 2017 that the Department of Homeland Security's Federal Emergency Management Agency (FEMA) issue a revision to the Flood Insurance Rate Map (FIRM) for the above-referenced community. Pertinent information about the request is listed below.

Identifier:	Lowe River Levee System Certification
Flooding Source:	Lowe River
FIRM Panel Affected:	020094 0075C

The data required to complete our review, which must be submitted within 90 days of the date of this letter, are listed on the enclosed summary.

If we do not receive the required data within 90 days, we will suspend our processing of your request. Any data submitted after 90 days will be treated as an original submittal and will be subject to all submittal/payment procedures, including the flat review and processing fee for requests of this type established by the current fee schedule. A copy the current fee schedule is available for your information on the FEMA Web site at <https://www.fema.gov/flood-map-related-fees>.

FEMA receives a very large volume of requests and cannot maintain inactive requests for an indefinite period. Therefore, we are unable to grant extensions for the submission of required data/fee for revision requests. If a requester is informed by letter that additional data are required to complete our review of a request, the data/fee must be submitted within 90 days of the date of the letter. Any fees already paid will be forfeited for any request for which the requested data are not received within 90 days.

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LOMC Clearinghouse, 847 South Pickett Street, Alexandria, VA 22304-4605 PH: 1-877-FEMA MAP

STARR, under contract with the FEDERAL EMERGENCY MANAGEMENT AGENCY, is a  
Production and Technical Services Contractor for the National Flood Insurance Program

If you have general questions about your request, FEMA policy, or the National Flood Insurance Program, please call the FEMA Map Information Exchange (FMIX), toll free, at 1-877-FEMA MAP (1-877-336-2627). If you have specific questions concerning your request, please contact your case reviewer, Mr. Daniel Gruen, by e-mail at [daniel.gruen@starr-team.com](mailto:daniel.gruen@starr-team.com) or by telephone at (240) 542-3139, or the Revisions Coordinator for your request, Ms. Sonal Kulkarni at [Sonal.Kulkarni@starr-team.com](mailto:Sonal.Kulkarni@starr-team.com) or at (240) 542-3102.

Sincerely,



Alex Haptemariam, P.E., CFM  
MT-2 Process Manager  
STARR

cc: Mr. Jimmy C. Smith  
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## Summary of Additional Data Required to Support a Letter of Map Revision (LOMR)

Case No.: 17-10-0154P

Requester: Mr. Peter Crews, P.E.

Community: City of Valdez, AK

Community No.: 020094

The issues listed below must be addressed before we can continue the review of your request.

1. The submitted technical memorandum entitled Hydrologic and Hydraulic Analysis, dated March 3, 2017 indicates that a new hydrologic analysis was created using USGS regression equations and methods described in the USGS Water Resources Investigations Report (Curran et al. 2016). Please submit any models/algorithms, calculations and back up data used to determine the flood magnitude estimates for the Lowe River.
2. Regulation 65.10(b)(1) of the National Flood Insurance Program states that riverine levees must provide a minimum freeboard of three feet above the Base (1-percent-annual-chance) Flood Elevation (BFE) at all points along the levee. Additionally, the hanging levee component, named Groin 2, must have 3.5 feet of freeboard at the most upstream end. Please submit necessary data to address the freeboard issue.
3. In order to certify Groin 2 as a hanging levee, the stability analysis must demonstrate that the embankment protection at the levee endpoints is sufficient to prevent scour/erosion at any point touched by flowing water including the landward side. Please provide this stability analysis and reinforce Groin 2 at the endpoints or as necessary to ensure scour/erosion does not occur that would jeopardize the integrity of the structure.

Please send the required data directly to us at the address shown at the bottom of the first page attention to Mr. Daniel Gruen, STARR. For identification purposes, please include the case number referenced above on all correspondence.