



**Kenai Peninsula Borough
Seward/Bear Creek Flood Service Area**

302 Railway Ave, Suite 123, P.O. Box 1554

Seward, Alaska 99664

(907) 224-3340 (Fax) 224-5197

www.kpb.us/service-areas/sbcfsa

MEMORANDUM

TO: Mayor Mike Navarre

THRU: Valentina Sustaita, Purchasing and Contracting Director *V. Sustaita*

FROM: Dan Mahalak, Water Resource Manager *DM*

DATE: August 3, 2016

SUBJECT: Approval to Contract with University of Alaska Fairbanks to complete a Mass Wasting/Sedimentation Study of the service area.

Under Section 5.28.280a of the Borough code, the Seward/ Bear Creek Flood Service Area board requests that a contract for the SBCFSA Mass Wasting/Sedimentation Study be awarded to University of Alaska Fairbanks, Matthew Balazs, PhD Candidate, Department of Geology and Geophysics: Remote Sensing.

Over the last several years, Mr. Balazs, UAF PhD Candidate, has completed various studies within the service area and shared data and reports valuable to the SBCFSA mission of mitigation planning. Deliverables have included an aerial survey with very high resolution images, digital orthomosaics, and digital surface models (DSM) of the Resurrection Bay drainage. The most recently provided DSM has been used to compare with LiDAR data collected in the past at a much greater expense to the service area and borough. This year's proposed study will provide the service area with reports detailing landslide and sedimentation hazards, orthorectified historical images, additional digital surface models, and a geodatabase of other digitized data and maps. These data and reports are provided at a greatly reduced cost to the service area, and assist with the identification of hazards, sedimentation, and mitigation needs.

The total amount of services provided will be \$20,845, funds for this project are in account number 259.21212.43011.

Mike Navarre
Mike Navarre, Mayor

8/11/16
Date

**FINANCE DEPARTMENT
FUNDS VERIFICATION**

Acct. No. 259.21212.43011

Amount \$20,845.00

By: *PP* Date: *8/18/16*

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