

Kenai Peninsula Borough

Seward-Bear Creek Flood Service Area

MEMORANDUM

TO: Brent Hibbert, Assembly President
Members, Kenai Peninsula Borough Assembly

THRU: Charlie Piece, Mayor *JCB*
Brandi Harbaugh, Finance Director *BH*
John Hedges, Purchasing & Contracting Director *JH*
Dan Nelson, Emergency Manager *DN*

FROM: Stephanie Presley, SBCFSA Program Lead *SP*

DATE: April 8, 2021

RE: Ordinance 2020-19-28, Appropriating \$46,000 from the Seward-Bear Creek Flood Service Area Fund Balance to Complete Ground Control Surveys, Establish Benchmarks and Channel Design in Three Sites for the Sediment Management and Maintenance Program (Mayor)

Neighborhoods within the Seward, Bear Creek and Lowell Point communities were developed on alluvial fans with active stream corridors channelized by a series of gravel embankments, armored banks, and bridge infrastructure. During storm events, sediments and debris are mobilized from the mountainsides and transported throughout the watershed, moving large volumes of boulders, cobbles, gravel, and woody debris, and eroding embankments that protect public and private property from flood damages.

The Seward – Bear Creek Flood Service Area (SBCFSA) completes periodic maintenance in five area creeks: Box Canyon, Lost, Kwechak, Salmon, and Sawmill Creeks.

The SBCFSA is establishing a sediment management and maintenance program for these five creeks. Combining channel and embankment maintenance with sediment management at these strategic locations will reduce costs, extend the time between necessary maintenance projects, and allow for quicker mobilization during emerging situations. Removal of streambed materials from active channels improves conveyance of floodwaters and provides a catch basin for debris transported during high water events, decreasing the deposition of sediments in downstream areas.

To finalize the standardization and maintenance plans for this program, SBCFSA will contract the establishment of ground control at Lost and Box Canyon Creeks and complete an initial survey and baseline design plans for the Salmon Creek diversion area.

At the February 8, 2021 regular meeting, the SBCFSA board of directors unanimously recommended approval of \$46,000 from fund balance to complete ground control surveys, establish benchmarks and complete channel design in these three project sites for the sediment management and maintenance program.

Your consideration of this ordinance is appreciated.

FINANCE DEPARTMENT FUNDS/ACCOUNT VERIFIED	
Account:	<u>259.27910</u>
Amount:	<u>\$46,000.00</u>
By: <u>PP</u>	Date: <u>4/5/2021</u>