

Agency: Commerce, Community and Economic Development**Grants to Municipalities (AS 37.05.315)****Grant Recipient: Kwethluk****Federal Tax ID: 92-0064816****Project Title:****Project Type: Planning and Research**

Kwethluk - Aerial Photography Mapping

State Funding Requested: \$23,435**House District: 36 / R**

One-Time Need

Brief Project Description:

The City of Kwethluk is requesting a flood plain map to help in managing future growth. This project will produce a community aerial photography map for community development planning.

Funding Plan:

Total Project Cost:	\$54,832
Funding Already Secured:	(\$31,397)
FY2014 State Funding Request:	(\$23,435)
Project Deficit:	\$0

Funding Details:

Project KWT.U59 was funded by USDA Rural Development in FY 2011 for a master planning study.

Cash contribution from Project KWT.U59RD \$31,397.00

Total project cost \$54,832.00

Funding already secured \$31,397.00

FY2014 State Funding Request \$23,435.00

Project Deficit \$0.00

Detailed Project Description and Justification:

The scope of the Project KWT.U59 included aerial photography and planning mapping but not to a level that would be useful for flood plain planning. It is proposed that this funding combined with additional State funding could provide a product that would be useful to a wide range of construction planning and the regulatory agencies information.

This project will provide a detailed flood plain map of the Kwethluk community with elevations plotted in 1' contours. A detailed map with elevations shown in 1' contours will help agencies planning for construction and the regulatory agencies interested in flood plain management. The current map is based on photography taken in 2007 and does not show the new 12.7 ac sewage lagoon, recent housing construction or the present river bank.

In general the erosion along the south bank of the Kwethluk River at Kwethluk has been about 15' since the 2007 photography/ 2008 map was developed. However, the erosion has not occurring at a uniform rate. The river along lots 1, 2, & 3 block 14 and along lots 2, 5, & 6 block 13 has eroded nearly 40' from the bank.

A new high school is in the planning phase and a community wide water and sewer system is under construction. It seems

reasonable to predict slow but steady growth for the community once modern sanitation facilities are available.

Detailed Budget Costs

Ground control survey	\$12,397.00
Aerial Photography Acquisition	\$9,299.00
Digital Orthophoto	\$3,832.00
Lidar Acquisition for 1' contours	\$14,168.00
Digital Mapping	\$15,136.00
Total	\$54,832.00

Project Timeline:

Summer 2013	
Ground control survey	\$12,397.00
Aerial Photography Acquisition	\$9,299.00
Late Summer and Fall 2013	
Digital Orthophoto	\$3,832.00
Lidar Acquisition for 1' contours	\$14,168.00
Early 2014	
Digital Mapping	\$15,136.00

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Ongoing maintenance and operations costs are not expected.

Grant Recipient Contact Information:

Name: David Epchook
 Title: City Manager
 Address: 12th Street & Jay Hammond Way
 Kwethluk, Alaska 99621
 Phone Number: (907)757-6022
 Email: kwethlukcity@hughes.net

Has this project been through a public review process at the local level and is it a community priority? Yes No