



United States Department of the Interior

U.S. Geological Survey

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May 7, 2010

To: Attendees of the Skagit River flood flow meeting of March 17, 2010

From: Mark Mastin
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Subject: USGS responses to issues raised by the Technical Memorandum, "Review and reevaluation of Skagit River 1921 flood peak discharge."—CORRECTION to the response dated May 6, 2010.

After reviewing the level notes dated April 7, 1932, I noticed that I had misinterpreted the notes in my response to Item number 7, Reevaluation of the 1921 flood peak discharge using the stage-discharge rating, in the response I sent out via email on May 6, 2010. I apologize for this error.

In the previous memo, I stated that

"Levels dated April 7, 1932 shows an elevation of a HWM at 27.714 feet (gage datum) on the "upper dalles gage" and 27.468 on the "upper section" of the current gage. This is a difference of 0.246 feet or a slope of approximately 0.0012, a more reasonable slope in the backwater of a constriction."

Rereading these notes, the HWM at the upper gage was at an elevation of 27.468 feet (gage datum) not 27.714 feet. It was located at the upper section of the upper gage not the current gage. The recorded gage height for the February 27, 1932 peak was 27.30 feet (gage datum) at the current gage. Thus, the difference of 0.17 feet would equate to a slope of 0.00085 computed over a distance of 200 feet and not 0.0012 as previously stated.