

Based on a priori knowledge of mean river flow and additional Landsat-derived river channel width and meander length, a series of discharge estimates were made using a flow resistance equation (Bjerklie, 2007; Bjerklie et al., 2005, (Bjerklie, 2007; Bjerklie et al., 2005, 2006). These estimates were related to the average Jason-2 elevations to define a stage-discharge rating curve. Jason-2 related discharge can then be compared to USGS discharge.

aatum, noting data absent during winter months. USGS field shope estimates (Clement, 1999) in the vicinity of Stevens Village are in the range 1-32cm/ km with an average of 14cm/km. Average Iason-2 slope=8.4cm/km is well within the expected range. Is the slope at its greatest when the levels are lowest?

Time/Distance separation between passes EAGLE: Time/Distance separation between passes 204 and 251, 3day/3km. Altimetric elevations are interpolated to derive slope estimates, and averaged for gauge validation (rms 57m, USSS/Clement reports the reach slope near Eagle to be in the range 0.00001 to 0.0005 with an average of ~0.0003. Topographic map suggest slope values of 0.00036. Isoon-2 slope 5: 0.000233 well within expectations.



1150/2019 (Million Moller, LC, Smith and S.L. Dingman, 2005. Startmating entrange in in 190. 191-2019. Clement, David T., 1999, Fluvial Geomorphology of the Yuken River, Yuken Tial not of the requirements for the degree of Master of Science, Department of Geography, Unive "Hydrological Application of Remote Sensing: Surface Fluxes and other Derived Variable graduate studies in partial fulltione san, S.L. and D.M. Bjerklie, 2006.