


[DOWNLOAD](#)


## Development and Calibration of Two-Dimensional Hydrodynamic Model of the Tanana River Near Tok, Alaska: USgs Open-File Report 2004-1225 (Paperback)

By Jeffrey S Conaway

Bibliogov, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Bathymetric and hydraulic data were collected by the U.S. Geological Survey on the Tanana River in proximity to Alaska Department of Transportation and Public Facilities bridge number 505 at mile 80.5 of the Alaska Highway. Data were collected from August 7-9, 2002, over an approximate 5,000- foot reach of the river. These data were combined with topographic data provided by Alaska Department of Transportation and Public Facilities to generate a two-dimensional hydrodynamic model. The hydrodynamic model was calibrated with water-surface elevations, flow velocities, and flow directions collected at a discharge of 25,600 cubic feet per second. The calibrated model was then used for a simulation of the 100-year recurrence interval discharge of 51,900 cubic feet per second. The existing bridge piers were removed from the model geometry in a second simulation to model the hydraulic conditions in the channel without the piers influence. The water-surface elevations, flow velocities, and flow directions from these simulations can be used to evaluate the influence of the piers on flow hydraulics and will assist the Alaska Department of Transportation and Public Facilities in the design of a...


[READ ONLINE](#)

[ 2.66 MB ]

### Reviews

*These kinds of ebook is the ideal book readily available. Better then never, though i am quite late in start reading this one. You may like the way the blogger publish this ebook.*

-- **Miss Pat O'Keefe Sr.**

*The ideal ebook i possibly go through. It generally does not cost an excessive amount of. Once you begin to read the book, it is extremely difficult to leave it before concluding.*

-- **Vincenza Hand**