



## Geological Survey Professional Paper Volume 562

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By Geological Survey

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. Excerpt: .and (QS)1-5. Liu found in certain flume experiments using finer sand that bedform velocity is proportional to  $V_s$ . The depth effect can be distinguished on the DS and QS diagrams. As indicated earlier on the sedimenttransport diagrams (figs. 2, 3), the amount of sediment transported, at a given DS or QS value, increased as the water depth decreased, within the range of flow conditions studied. Figure 22 is consistent with this trend; it shows that the bed forms moved downstream faster as depth decreased when DS and QS were the measures of flow strength. As can be seen in the diagrams, the lines for the various depths are farthest apart on the power plot. They are closer together on the DS diagram, and the plots of bed-form velocity versus RS, V, and V, practically eliminate the effect of depth. Figure 20.--Bed-form height versus measures of flow strength....



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