



## Evaluation of Suspended Sediment Loads Value

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### Abstract:

Every years thousands of soils from watershed surface is washes by water and transports from a place to the another place. The objectives of this research is to estimate the suspended sediment load in some important rivers and to study the factors effecting on sediment yield on evry watershed in north of the Golestan province(Iran). Reviewing of papers shows that there is a relation between discharge of water and suspended sediment loads. Using USBR methods the amount of daily and yearly suspended sediment in the mentioned rivers was estimated. Analysing of the results shows the value of the specific suspended sediment discharge [in ton/km /year] for the flowing rivers in their hydrometric station as flows. Atrak-Ghazanghayeh 9711, Atrak-Hoten 528.9, Atrak-Dashli broon was 73.3 . The minimum of specific suspended sediment discharge was estimated in Dashli broon, the main for this reason is reduse slope and sedimentation in Upstram .The maximum of specific suspended sediment discharge was estimated in Ghazanghayeh 9711 ton / km /year, the main reason is because of cultivating in slop, and arodable land in a part of its watershed.

Keyword : Suspended Sediment load , USBR method, specific,Sediment discharge, Atrak river.