

VIIRS Special Notice #1
VIIRS SRD
Littoral Sediment Transport

The IPO is reviewing the current definition of Littoral Sediment Transport as currently stated in the VIIRS SRD, Paragraph_3.2.1.1.1.18:

"...the change in the volume of sediment in the cell since the last measurement divided by the time interval between measurements."

The issue is that if sediment is moving at or near steady state, then according to this definition the littoral sediment transport will be zero or close to zero. To clarify this definition, the IPO is proposing the following revised definition of Littoral Sediment Transport and replace VIIRS SRD, paragraph 3.2.1.1.1.18 with:

"Littoral sediment transport is defined as the transport of deposited, bottom-lying sediment by river systems and along shore ocean currents. Littoral sediment transport is defined as the change in the volume of sediment on the floor of the river or ocean in the cell since the last measurement divided by the time interval between measurements. Sediments suspended within the water are not addressed by this EDR. (See Mass Loading/Turbidity.) This EDR is required under clear and daytime conditions only, and does not apply to portions of rivers or ocean channels narrower than the horizontal cell size objective."

The IPO requests industry comment on the above revised definition by 9 January 1998.
