



Water level

- At flood flow (1,248 m³/s)
- At low flow (983 m³/s)

Confirmed spawning grounds

- Lake sturgeon
- Lake whitefish
- Spring guild

Sediment dynamics

- Settling
- Transport
- Trapping
- Bottom stabilization
- Low-flow settling – Flood flow transport

Slope erosion

- Severely eroding
- Moderately eroding
- Slightly eroding
- Nearly stable

Sediment types

- CM: Silty clay or clayey silt
- CM/T: Silty clay or clayey silt over till
- T: Till
- SM: Silty sand or sandy silt
- Pe/B: Pebbles and boulders
- S: Sand
- S-SG: Undifferentiated sand and sand & gravel
- G: Gravel
- R: Rock
- SG/R: Sand and gravel over rock
- G(<<): Traces of gravel
- Silt org.: Organic silt
- SG_t: Thin (< 2 m) sand and gravel layer over till
- SG/T: Sand and gravel over till
- P_tS: Peat over till
- P_vS: Thin (< 2 m) layer of peat over till
- S/T: Sand over till
- SILT(<<): Traces of silt

Eastmain-1-A Powerhouse and Rupert Diversion

**Rupert River
Areas of Erosion and Sediment Transport
and Settling at Flood and Low Flow
Present and Future Conditions**

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Mapping: GENIVAR inc.

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Plate 161-1

