



finer-grained sediment particles associated with residual lower-density turbidity currents flowing to the further downslope direction. Modulation and transformation of turbidity currents into debris flows at a channel-to-lobe transition zone were recognized. The transformation of turbidity currents into debris flows is interpreted to have occurred in response to incorporation of many siltstone clasts and finer-grained sediment particles into the precursor turbidity currents from muddy substrates. The finding indicates that a laterally continuous sandstone body from middle-fan channel to depositional lobe deposits internally contains muddy baffles, which develop heterogeneity of fluid flows in reservoir sands and sandstones.

**Key words:** [sequence stratigraphy](#), [lowstand depositional systems](#), [falling stage](#), [submarine channel](#), [deep-water massive sands](#), [hyperpycnal flow](#), [flow transformation](#), [turbidite](#), [debrite](#)

[\[PDF \(3052K\)\]](#) [\[References\]](#)



Download Meta of Article [\[Help\]](#)

[RIS](#)

[BibTeX](#)

To cite this article:

Makoto Ito, Akihiko Takao, Kazuaki Ishikawa and Osamu Himeno 2006: A new avenue of sedimentological study of deep-water successions: Reorganization of the lowstand depositional model, J. JAPANESE. ASSOC. PETROL. TECHNOL., **71**: 1, 21-33 .

---

doi:10.3720/japt.71.21

JOI JST.JSTAGE/japt/71.21

Copyright (c) 2007 The Japanese Association for Petroleum Technology

---



---

[Japan Science and Technology Information Aggregator, Electronic](#)

