

CHANSON, H. (2005). "Tidal bore of the Dordogne river (France) on 27 September 2000." *Flowvis: the Art of Fluid Dynamics*, Australian Institute of Physics' (AIP) "Physics for the Nation" Congress, Australian National University (ANU), School of Art, Canberra, Australia, 31 Jan. to 4 Feb. 2005.

Tidal bore of the Dordogne river (France) on 27 September 2000
(CHANSON 2004, p. 183)

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When a river mouth has a flat, converging shape and when the tidal range exceeds 6 to 9 m, the river may experience a tidal bore (Photo). A tidal bore is basically a series of waves propagating upstream as the tidal flow turns to rising. Hubert Chanson observed the tidal bore of the Dordogne river (France) on 27 September 2000. The bore propagates first in the Gironde before separating and continuing both in the Garonne and in the Dordogne. At St Pardon, the tidal bore of the Dordogne river was an undular bore and the photograph shows the arriving bore with kayakers and surfers riding the bore undulations.

This photograph was published in CHANSON (2004, p. 183) [1]. It was further shown as Earth Science Picture of the Day [2] on 19 Dec. 2001. It is also used to illustrate two websites on tidal bores [3], [4].

References

- [1] CHANSON, H. (2004). "Environmental Hydraulics of Open Channel Flows." *Elsevier Butterworth-Heinemann*, Oxford, UK, 483 pages (ISBN 0 7506 6165 8).
{<http://www.uq.edu.au/~e2hchans/reprints/book7.htm>}
- [2] Earth Science Picture of the Day (19 Dec. 2001) {<http://epod.usra.edu/>}
Mascaret or Tidal bore {<http://epod.usra.edu/archive/epodviewer.php3?oid=80320>}
- [3] CHANSON, H. (2004). "Tidal bores, Mascaret, Pororoca. Myths, Fables and Reality !!!" *Internet resource*. (Internet address : http://www.uq.edu.au/~e2hchans/tid_bore.html)
- [4] CHANSON, H. (2000). "The tidal bore of the Seine river, France. Le Mascaret de la Seine." *Internet resource*. (Internet address : <http://www.uq.edu.au/~e2hchans/mascaret.html>)

