

**HP33 -edition 2012 page XIX**

Delete text 'Because of the construction of Maasvlakte 2..... not yet been updated in 2012.' And replace by:

- Because of the construction of Maasvlakte 2 current patterns in the Maas Entrance area have changed. Changes are most noticeable during flood tide. In the new situation the North-eastern flood current follows the new coastal line in direction of the harbour entrance. The strong cross current that previously occurred just in front of the harbour entrance, became therefore less dominant. In the Maasgeul the Eastwards cross current, during flood tide, decreases near buoy MV-N. The rate of decrease is more gradual than in the old situation.

1 hour after high water Hoek van Holland a counter current occurs in the Maasmond, between buoy MV-N and the port entrance. Seaward of the port entrance, the East-going flood current partly bears off in a Southern direction and continues in a Western direction, directly under the new coastline of Maasvlakte 2. In the vicinity of MV-N, the counter current merges with the North-going flood current. The strength of the counter current varies with tide, wind and river discharge. The counter current is most dominant during spring tide.

During ebb tide, the South-western tidal current bears off in a Western direction in the vicinity of the port entrance and follows the new coastal line. No further changes of any significance have been reported during ebb tide.

In general, the depth averaged current rates have not changed noticeably.

As from 2011 the construction of Maasvlakte 2 has progressed in such a way that further noticeable changes in current are not expected.

Only small effects on a local level can be expected. For this reason, the stream maps have not yet been updated in 2012.