



# Port Owen Marina Authority (NPC)

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## Weekly dredge monitoring report

Dredge area 3B: Eastern Loop Channel was dredged between 6 and 9 January 2026 (hereafter referred to as “Week 1”). The stipulated conditions allowing for dredging and discharge from the settling dam include an outgoing current equal to or greater than  $0.43 \text{ m.s}^{-1}$  (equivalent to site specific  $200 \text{ m}^3.\text{s}^{-1}$ ), only between sunrise and sunset, and only on weekdays (excluding public holidays). Operational conditions for release require that dredging only occur when these parameters allowed for at least 1 hour of dredging to the river. As a result of these parameters, 4 dredge sessions could occur for Week 1 of January 2026. No dredging to and no discharge from the settling dam occurred (Table 1). For Week 1 of January 2026 a volume of  $1370.8 \text{ m}^3$  was dredged from area 3B and blockages of the suction head occurred 15 times due to seaweed (Table 1).

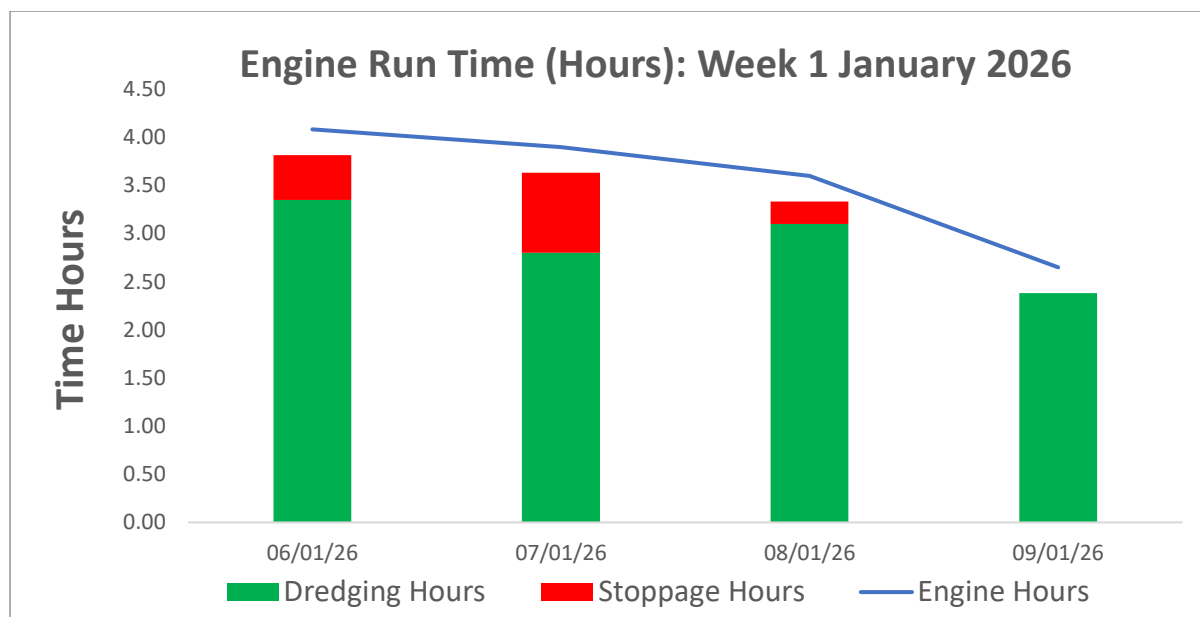
**Table 1. Operational dredging variables.**

Dredging of Dredge area 3B	Total
Allowable dredge sessions	4
Dredge sessions to river	4
Dredge sessions to settling dam	0
Release from settling dam	0
Dredge volume ( $\text{m}^3$ )	1370.8
Stop incidents (due to blockage)	15

A total engine run time of 14 hours, and 14 minutes was achieved for Week 1 of January 2026 with a mean run time of 3 hours and 33 minutes per dredge session (Table 2). The mean dredge time achieved per session was 2 hours and 54 minutes, indicating 23 minutes stoppage time due to blockages of the suction head (Table 2). The mean volume of dredge material discharged to the river was  $342.7 \text{ m}^3$  per session (Table 2).

**Table 2. Operational variables and means per dredge session.**

Operational variables	Total	Mean (per session)
Engine time (h:min)	14:14	3:33
Dredge time (h:min)	11:38	2:54
Stoppage time (h:min)	1:32	0:23
Volume direct to river ( $\text{m}^3$ )	1370.8	342.7
Volume to dam ( $\text{m}^3$ )	0	0
Volume from dam to river ( $\text{m}^3$ )	0	0



## River velocity

Mean river velocity recorded before, during, and after dredging remained within the allowable parameter (above 0.43 m.s<sup>-1</sup>) for Week 1 of January 2026 dredging (Table 3).

**Table 3. Mean river velocity before, during, and after dredging.**

River velocity	Mean (m.s <sup>-1</sup> )
Before dredging	0.45
During dredging	0.71
After dredging	0.69

