

## Appendix C. Maximum Allowable Dredging Rates for Concurrent Dredging in Different Zones

Improvement Dredging for Lamma Power Station Navigation Channel  
Environmental Monitoring and Audit Manual

Zone	Concurrent Dredging Scenarios (shown as shaded cells)										
	Two Concurrent Zones						Three Concurrent Zones				All Zones
1											
2											
3											
4											
<b>Grab Dredger – Wet Season (April to September)</b>											
Zone with lowest rate	4	1	3	3	4	4	3	4	4	4	4
Maximum Dredging Rate in Total (m <sup>3</sup> /hr)	1,600	3,000	2,640	2,640	1,600	1,600	2,640	1,600	1,600	1,600	1,600
Maximum Dredging Rate* in Total (m <sup>3</sup> /day)	38,500	72,100	63,500	63,500	38,500	38,500	63,500	38,500	38,500	38,500	38,500
<b>Grab Dredger – Dry Season (October to March)</b>											
Zone with lowest rate	1	1	1	3	4	4	1	1	1	4	1
Maximum Dredging Rate in Total (m <sup>3</sup> /hr)	2,070	2,070	2,070	3,730	2,400	2,400	2,070	2,070	2,070	2,400	2,070
Maximum Dredging Rate* in Total (m <sup>3</sup> /day)	49,800	49,800	49,800	89,600	57,800	57,800	49,800	49,800	49,800	57,800	49,800
<b>TSHD – Wet Season (April to September)</b>											
Zone with lowest rate	4	2	3	3	4	4	3	4	4	4	4
Maximum Dredging Rate in Total (m <sup>3</sup> /hr)	920	3,280	2,710	2,710	920	920	2,710	920	920	920	920
Maximum Dredging Rate* in Total (m <sup>3</sup> /day)	22,200	78,800	65,100	65,100	22,200	22,200	65,100	22,200	22,200	22,200	22,200
<b>TSHD – Dry Season (October to March)</b>											
Zone with lowest rate	4	1	1	2	4	4	1	4	4	4	4
Maximum Dredging Rate in Total (m <sup>3</sup> /hr)	2,630	3,280	3,280	5,730	2,630	2,630	3,280	2,630	2,630	2,630	2,630
Maximum Dredging Rate* in Total (m <sup>3</sup> /day)	63,300	78,900	78,900	137,600	63,300	63,300	78,900	63,300	63,300	63,300	63,300

Note:

The allowable dredging rates are the total for all dredgers working simultaneously.

Grab dredgers shall not be operated concurrently with TSHDs.

\*Refers to dredging over a 24 hour period. Notwithstanding this, the maximum hourly dredging rate for the Project shall not be exceeded in any given hour of dredging works.