

Appendix C Impact Monitoring Schedule of the Reporting Month

Impact Monitoring Schedule for IWMF						
Mar-19						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
					<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2</p> <p>Tidal Period: Ebb Tide: 08:42 - 10:09 Flood Tide: 10:09 - 17:51</p> <p>Monitoring Time: * \$ Mid-ebb: 08:46 - 10:04 Mid-flood: 12:15 - 15:45</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Intensive DCM monitoring for UCL1, UCL2, 11, 12, 13, 14, 15, 16, 17, 18, 19 & 110</p> <p>Tidal Period: Ebb Tide: 09:09 - 11:48 Flood Tide: 11:48 - 18:40</p> <p>Monitoring Time: \$ Mid-ebb: 09:16 - 11:40 Mid-flood: 13:29 - 16:59</p>
3	4	5	6	7	8	9
	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2</p> <p>Intensive DCM monitoring for UCL1, UCL2, 11, 12, 13, 14, 15, 16, 17, 18, 19 & 110</p> <p>Tidal Period: Ebb Tide: 09:53 - 13:44 Flood Tide: 13:44 - 20:01</p> <p>Monitoring Time: Mid-ebb: 10:03 - 13:33 Mid-flood: 15:07 - 18:37</p> <p>Daytime Noise monitoring for M1, M2 & M3</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2</p> <p>Intensive DCM monitoring for UCL1, UCL2, 11, 12, 13, 14, 15, 16, 17, 18, 19 & 110</p> <p>Tidal Period: Ebb Tide: 10:32 - 15:03 Flood Tide: 15:03 - 21:17</p> <p>Monitoring Time: Mid-ebb: 11:02 - 14:32 Mid-flood: 16:37 - 19:00</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, M1, CR1 & CR2</p> <p>Intensive DCM monitoring for UCL1, UCL2, 11, 12, 13, 14, 15, 16, 17, 18, 19 & 110</p> <p>Tidal Period: Ebb Tide: 10:47 - 16:19 Flood Tide: 16:19 - 22:32</p> <p>Monitoring Time: Mid-ebb: 11:48 - 15:18 Mid-flood: 16:37 - 19:00</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	
10	11	12	13	14	15	16
<p>Impact</p> <p>Intensive DCM monitoring for UCL1, UCL2, 11, 12, 13, 14, 15, 16, 17, 18, 19 & 110</p> <p>Tidal Period: Ebb Tide: 11:34 - 17:38 Flood Tide: 05:24 - 11:34</p> <p>Monitoring Time: Mid-ebb: 12:51 - 16:21 * Mid-flood: 08:00 - 11:15</p>	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1, S1, S2 & S3</p> <p>Tidal Period: Ebb Tide: 11:58 - 18:23 Flood Tide: 05:49 - 11:58</p> <p>Monitoring Time: Mid-ebb: 13:25 - 16:55 * Mid-flood: 08:00 - 11:39</p> <p>Daytime Noise monitoring for M1, M2 & M3</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1, S1, S2 & S3</p> <p>Tidal Period: Ebb Tide: 12:45 - 20:30 Flood Tide: 06:38 - 12:45</p> <p>Monitoring Time: Mid-ebb: 14:52 - 18:22 * Mid-flood: 08:00 - 12:26</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1, S1, S2 & S3</p> <p>Tidal Period: Ebb Tide: 15:13 - 23:20 Flood Tide: 07:32 - 15:13</p> <p>Monitoring Time: Mid-ebb: 15:37 - 19:00 Mid-flood: 09:37 - 13:07</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	
17	18	19	20	21	22	23
	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1, S1, S2 & S3</p> <p>Tidal Period: Ebb Tide: 08:48 - 12:34 Flood Tide: 12:34 - 19:10</p> <p>Monitoring Time: Mid-ebb: 08:56 - 12:26 Mid-flood: 14:07 - 17:37</p> <p>Daytime Noise monitoring for M1, M2 & M3</p> <p>Ecology monitoring for Marine Mammals by Vessel-based Line-Transsect Survey</p>		<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1, S1, S2 & S3</p> <p>Tidal Period: Ebb Tide: 09:39 - 14:33 Flood Tide: 14:33 - 21:07</p> <p>Monitoring Time: Mid-ebb: 10:21 - 13:51 Mid-flood: 14:52 - 19:00</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p> <p>Ecology monitoring for WBSE</p>	<p>Impact</p> <p>Ecology monitoring for WBSE</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1, S1, S2 & S3</p> <p>Tidal Period: Ebb Tide: 10:26 - 16:08 Flood Tide: 04:11 - 10:26</p> <p>Monitoring Time: Mid-ebb: 11:32 - 15:02 * Mid-flood: 08:00 - 10:07</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p> <p>Ecology monitoring for WBSE</p>	
24	25	26	27	28	29	30
<p>Impact</p> <p>Ecology monitoring for WBSE</p>	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1, S1, S2 & S3</p> <p>Tidal Period: Ebb Tide: 11:59 - 18:32 Flood Tide: 05:48 - 11:59</p> <p>Monitoring Time: Mid-ebb: 13:30 - 17:00 * Mid-flood: 08:00 - 11:40</p> <p>Daytime Noise monitoring for M1, M2 & M3</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p> <p>Ecology monitoring for WBSE</p>	<p>Impact</p> <p>Ecology monitoring for WBSE</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1, S1, S2 & S3</p> <p>Tidal Period: Ebb Tide: 13:14 - 21:06 Flood Tide: 06:42 - 13:14</p> <p>Monitoring Time: Mid-ebb: 15:25 - 18:55 Mid-flood: 08:13 - 11:43</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p> <p>Ecology monitoring for WBSE</p>	<p>Impact</p> <p>Ecology monitoring for Marine Mammals by Vessel-based Line-Transsect Survey</p> <p>Coral 1st Quarterly Monitoring at Indirect Impact Site and Control Site + Coral 4th Quarterly Monitoring at Recipient Site</p>	<p>Impact</p> <p>Water Quality monitoring for B1, B2, B3, B4, H1, C1, C2, F1, CR1, CR2, M1, S1, S2 & S3</p> <p>Tidal Period: Ebb Tide: 15:19 - 23:00 Flood Tide: 08:00 - 15:19</p> <p>Monitoring Time: Mid-ebb: 15:42 - 19:00 Mid-flood: 09:54 - 13:24</p> <p>Evening & Night time Noise monitoring for M1, M2 & M3</p> <p>Ecology monitoring for Land-based Theodolite Tracking</p>	
31						
<p>Impact</p> <p>Ecology monitoring for WBSE</p>						

Remarks:
1. Daytime Noise Monitoring (07:00-1900), Evening Time Noise Monitoring (1900-2300), Night Time Noise Monitoring (2300-0700)
2. Water Quality Monitoring for S1,S2 and S3 will only conduct during DCM works, refer to Detailed DCM Plan
3. Ecology Monitoring for Passive Acoustic Monitoring are under arrangement and liaison with SARDA
4. Night-time Noise Monitoring are under arrangement and liaison with SARDA

Note:
* - as per Marine Department Notice No 107 of 2018, all vessels employed for the works should stay in the works area outside the hours of work (0700 to 2300). Due to safety concern, Water Quality Monitoring would start at 0800.
- Prioritized routing: Mid-Ebb: C1-93->CR2->CR1->H1->Remaining stations and Mid-Flood: C2->CR1->S3->CR2->H1->Remaining stations
\$ - Since predicted tide is shorter than 3.5 hours, method of 90% tidal period as monitoring time is approached.
& - Due to safety concern for sampling event in night-time, method of 90% tidal period as monitoring time is approached and end at 1900.
@ - If no exceedance is recorded within the first two weeks (11/2-24/2), then the monitoring frequency will be reduced to every two days.
% - Cancelled due to incident or unfavorable weather condition
* - rescheduled due to incident or unfavorable weather condition