

## Appendix N Exceedance Report

## Statistical Summary of Exceedances in the Reporting Period

| Water Quality (Regular Monitoring) |                |             |       |
|------------------------------------|----------------|-------------|-------|
| Location                           | Action Level   | Limit Level | Total |
| B1                                 | 2              | 1           | 3     |
| B2                                 | 2              | 1           | 3     |
| B3                                 | 3              | 2           | 5     |
| B4                                 | 1              | 2           | 3     |
| CR1                                | 1              | 1           | 2     |
| CR2                                | 2              | 2           | 4     |
| F1A                                | 1              | 0           | 1     |
| H1                                 | 1              | 2           | 3     |
| S1                                 | Not applicable |             |       |
| S2A                                | Not applicable |             |       |
| S3                                 | Not applicable |             |       |
| M1                                 | 1              | 2           | 3     |

| Noise (Day Time)     |              |             |       |
|----------------------|--------------|-------------|-------|
| Location             | Action Level | Limit Level | Total |
| M1                   | 0            | 0           | 0     |
| M2                   | 0            | 0           | 0     |
| M3                   | 0            | 0           | 0     |
| Noise (Evening Time) |              |             |       |
| Location             | Action Level | Limit Level | Total |
| M1                   | 0            | 0           | 0     |
| M2                   | 0            | 0           | 0     |
| M3                   | 0            | 0           | 0     |
| Noise (Night Time)   |              |             |       |
| Location             | Action Level | Limit Level | Total |
| M1                   | 0            | 0           | 0     |
| M2                   | 0            | 0           | 0     |
| M3                   | 0            | 0           | 0     |

**Incident Report on Action Level or Limit Level Non-compliance**

|  |   |                                    |  |
|--|---|------------------------------------|--|
| Project  | Integrated Waste Management Facilities, Phase 1   |                                    |  |
| Date   | 02 December 2022 (Lab result received on 09 December 2022)  |                                    |  |
| Time   | 08:00 – 10:39 (Mid-Ebb)   |                                    |  |
| Monitoring Location                                      | Mid-Ebb<br>CR2  |                                    |  |
|  |   |                                    |  |
| Parameter  | Suspended Solid (SS)  |                                    |  |
| Action & Limit Levels                                    | Action Level  |                                    | Limit Level  |
|  | ≥ 21.2 mg/L (120% of C1A)   |                                    | ≥ 23.0 mg/L (130% of C1A)  |
| Measurement Level  | Impact Station(s) of Exceedance   | Control Stations                   | Impact Station(s) without Exceedance   |
|  | 22.2 mg/L (CR2)   | 17.7 mg/L (C1A)<br>18.0 mg/L (C2A) | 12.8 mg/L (B1)<br>16.5 mg/L (B2)<br>19.3 mg/L (B3)<br>20.8 mg/L (B4)<br>19.5 mg/L (H1)<br>15.0 mg/L (F1A)<br>19.3 mg/L (M1)<br>19.3 mg/L (CR1) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 02 Dec 2022 include laying of 900kg underlayer rock at Seawall A Seaside CH 20 – CH 70, laying of G200 rockfills at Caisson 46 - 47, transfer of surcharge at zone 6 to flat top barge Hong Kong 3132, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.</p> <p>Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>An exceedance of action level was found at CR2.</p> |                                    |  |

|  |  |
|--|--|
|  | <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 06 December 2022.</p> <p>After the investigation, the exceedance on 02 December 2022 during ebb tide at CR2 is deemed to be unrelated to the Project.</p> |
|--|--|

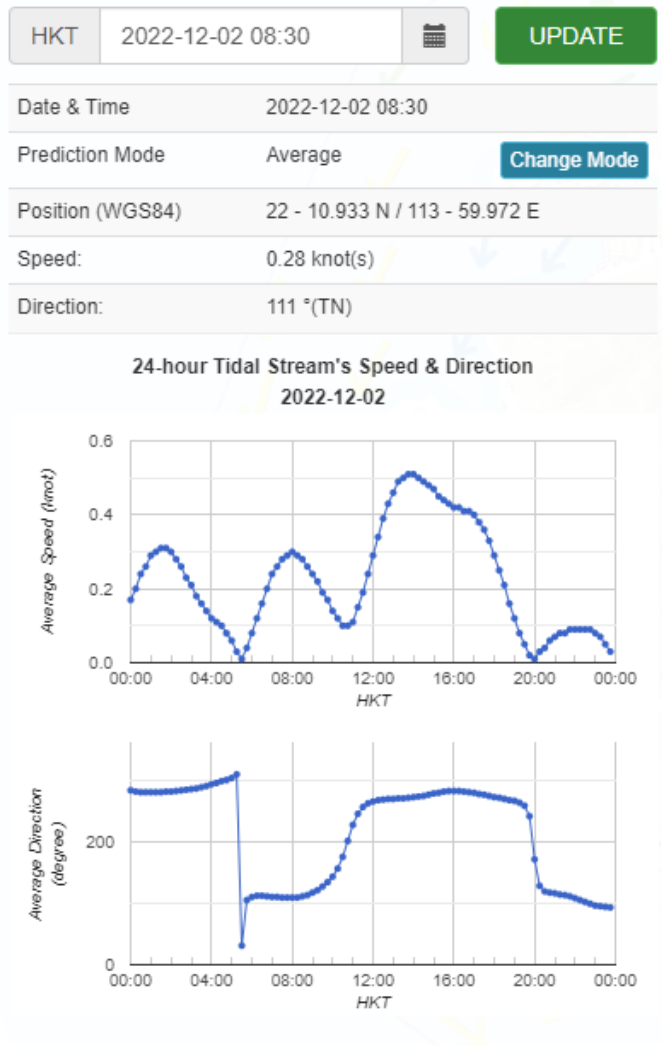
Monitoring photos of  
stations with exceedance

CR2:



Remarks

Current direction during mid-ebb sampling on 02 December 2022:



|   | <b>Legend</b>  |              |              |               |                 |                 |                 |                 |                       |
|---|--|--------------|--------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
|   | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0       →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5       →</td> <td style="padding: 5px;">2.5 and above       →</td> </tr> </tbody> </table> | Speed (knot) | Speed (knot) | 0-0.5       → | 1.5-2.0       → | 0.5-1.0       → | 2.0-2.5       → | 1.0-1.5       → | 2.5 and above       → |
| Speed (knot)  | Speed (knot)   |              |              |               |                 |                 |                 |                 |                       |
| 0-0.5       →   | 1.5-2.0       →  |              |              |               |                 |                 |                 |                 |                       |
| 0.5-1.0       →   | 2.0-2.5       →  |              |              |               |                 |                 |                 |                 |                       |
| 1.0-1.5       →   | 2.5 and above       →  |              |              |               |                 |                 |                 |                 |                       |
| (Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> ) |  |              |              |               |                 |                 |                 |                 |                       |
| Prepared by   | Jack Chow  |              |              |               |                 |                 |                 |                 |                       |
| Date  | 16 December 2022   |              |              |               |                 |                 |                 |                 |                       |



**Incident Report on Action Level or Limit Level Non-compliance**

|  |   |                                   |  |
|--|---|-----------------------------------|--|
| Project  | Integrated Waste Management Facilities, Phase 1   |                                   |  |
| Date   | 05 December 2022 (Lab result received on 12 December 2022)  |                                   |  |
| Time   | 08:45 – 12:15 (Mid-Ebb)   |                                   |  |
|  | Mid-Ebb   |                                   |  |
| Monitoring Location                                      | B3, B4, F1A, H1, M1, CR2  |                                   |  |
|  |   |                                   |  |
| Parameter  | Suspended Solid (SS)  |                                   |  |
| Action & Limit Levels                                    | Action Level  |                                   | Limit Level                                      |
|  | ≥ 8.0 mg/L  |                                   | ≥ 10.0 mg/L                                      |
| Measurement Level  | Impact Station(s) of Exceedance   | Control Stations                  | Impact Station(s) without Exceedance             |
|  | 12.4 mg/L (B3)<br>14.3 mg/L (B4)<br>9.5 mg/L (H1)<br>11.0 mg/L (M1)<br>9.5 mg/L (F1A)<br>12.5 mg/L (CR2)  | 5.8 mg/L (C1A)<br>11.7 mg/L (C2A) | 7.8 mg/L (B1)<br>6.0 mg/L (B2)<br>5.5 mg/L (CR1) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 05 Dec 2022 include installation of stoppers at Breakwater A CH 1120 A - D, weighing test of 2.5T armour rock, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.</p> <p>Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedances of action level were found at H1 and F1A and exceedances of limit level were found at B3, B4, M1 and CR2.</p> <p>B3, B4, H1, M1 and F1A are located at unrelated stream direction (neither upstream nor downstream) to the works location. Exceedances at B3, B4, H1, M1 and F1A are deemed to be unrelated to the Project.</p> |                                   |  |

|  |   |
|--|---|
|  | <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was rainy during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 06 December 2022.</p> <p>After the investigation, the exceedances on 05 December 2022 during ebb tide at B3, B4, F1A, H1, M1 and CR2 are deemed to be unrelated to the Project.</p> |
|--|---|

Monitoring photos of  
stations with exceedance

B3:





B4:



H1:





M1:





F1A:



CR2:



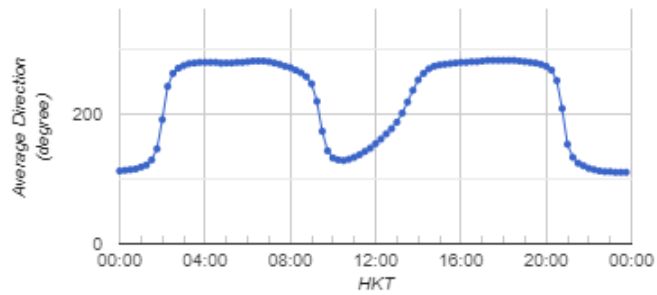
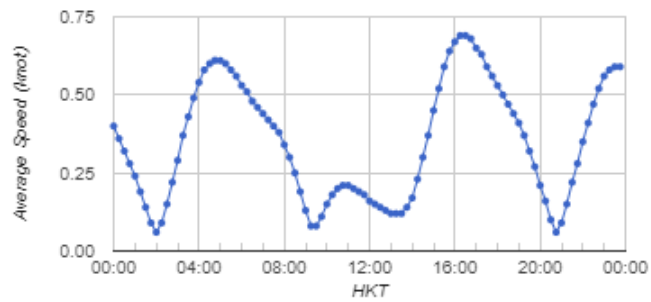


Remarks

Current direction during mid-ebb sampling on 05 December 2022:

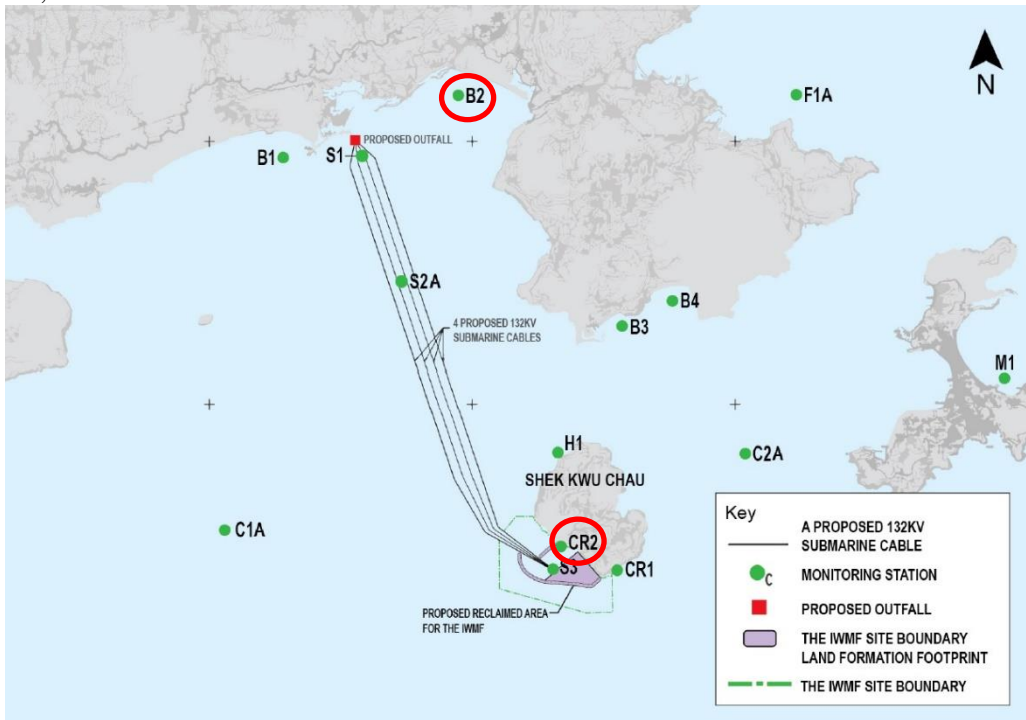
|                  |                               |                    |               |
|------------------|-------------------------------|--------------------|---------------|
| HKT              | 2022-12-05 10:00              |                    | <b>UPDATE</b> |
| Date & Time      | 2022-12-05 10:00              |                    |               |
| Prediction Mode  | Average                       | <b>Change Mode</b> |               |
| Position (WGS84) | 22 - 11.017 N / 113 - 59.24 E |                    |               |
| Speed:           | 0.15 knot(s)                  |                    |               |
| Direction:       | 132 °(TN)                     |                    |               |

24-hour Tidal Stream's Speed & Direction  
 2022-12-05



|   | <b>Legend</b>  |              |              |               |                 |                 |                 |                 |                       |
|---|--|--------------|--------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
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| Speed (knot)  | Speed (knot)   |              |              |               |                 |                 |                 |                 |                       |
| 0-0.5       →   | 1.5-2.0       →  |              |              |               |                 |                 |                 |                 |                       |
| 0.5-1.0       →   | 2.0-2.5       →  |              |              |               |                 |                 |                 |                 |                       |
| 1.0-1.5       →   | 2.5 and above       →  |              |              |               |                 |                 |                 |                 |                       |
| (Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> ) |  |              |              |               |                 |                 |                 |                 |                       |
| Prepared by   | Jack Chow  |              |              |               |                 |                 |                 |                 |                       |
| Date  | 19 December 2022   |              |              |               |                 |                 |                 |                 |                       |

**Incident Report on Action Level or Limit Level Non-compliance**

|  |   |                                    |  |
|--|---|------------------------------------|--|
| Project  | Integrated Waste Management Facilities, Phase 1   |                                    |  |
| Date   | 07 Dec 2022 (Lab result received on 14 December 2022)   |                                    |  |
| Time   | 10:11 – 13:41 (Mid-Ebb)<br>15:28 – 18:58 (Mid-Flood)  |                                    |  |
| Mid-Ebb  |   |                                    |  |
| Monitoring Location                                      | B2, CR2<br>  |                                    |  |
| Parameter  | Suspended Solid (SS)  |                                    |  |
| Action & Limit Levels                                    | Action Level  |                                    | Limit Level  |
|  | ≥ 16.8 mg/L (120% of C1A)   |                                    | ≥ 18.2 mg/L (130% of C1A)  |
| Measurement Level  | Impact Station(s) of Exceedance   | Control Stations                   | Impact Station(s) without Exceedance   |
|  | 18.8 mg/L (B2)<br>17.8 mg/L (CR2)   | 14.0 mg/L (C1A)<br>16.7 mg/L (C2A) | 7.8 mg/L (B1)<br>7.8 mg/L (B3)<br>15.5 mg/L (B4)<br>13.5 mg/L (H1)<br>16.0 mg/L (F1A)<br>15.5 mg/L (M1)<br>16.2 mg/L (CR1) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 07 Dec 2022 include inspection works of Chinese pods at Seawall A seaside CH600 - CH720, laying of 4T armour rock at Breakwater A CH1120 A - D, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.</p> <p>Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>An exceedance of action level was found at CR2, and an exceedance of limit level was found B2.</p> |                                    |  |

|  |  |
|--|--|
|  | <p>B2 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. The exceedance at B2 is deemed to be unrelated to the Project.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 13 December 2022.</p> <p>After the investigation, the exceedances on 07 December 2022 during ebb tide at B2 and CR2 are deemed to be unrelated to the Project.</p> |
|--|--|

Monitoring photos of  
stations with exceedance

B2:





CR2:



| Mid-Flood  |   |                                    |  |
|--|---|------------------------------------|--|
| Monitoring Location                                      | M1, CR1   |                                    |  |
|  |   |                                    |  |
| Parameter  | Suspended Solid (SS)  |                                    |  |
| Action & Limit Levels                                    | Action Level  |                                    | Limit Level  |
|  | ≥ 14.2 mg/L (120% of C2A)   |                                    | ≥ 15.4 mg/L (130% of C2A)  |
| Measurement Level  | Impact Station(s) of Exceedance   | Control Stations                   | Impact Station(s) without Exceedance   |
|  | 15.3 mg/L (M1)<br>15.8 mg/L (CR1)   | 10.7 mg/L (C1A)<br>11.8 mg/L (C2A) | 8.0 mg/L (B1)<br>10.3 mg/L (B2)<br>7.0 mg/L (B3)<br>12.5 mg/L (B4)<br>12.2 mg/L (F1A)<br>13.3 mg/L (H1)<br>12.5 mg/L (CR2) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 07 Dec 2022 include inspection works of Chinese pods at Seawall A seaside CH600 - CH720, laying of 4T armour rock at Breakwater A CH1120 A - D, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.</p> <p>Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>An exceedance of action level was found at M1, and an exceedance of limit level was found at CR1.</p> <p>M1 is located at unrelated stream direction (neither upstream nor downstream) to the works location. The exceedance at M1 is deemed to be unrelated to the Project.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> |                                    |  |

|  |   |
|--|---|
|  | <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 13 December 2022.</p> <p>After the investigation, the exceedances on 07 December 2022 during flood tide at M1 and CR1 are deemed to be unrelated to the Project.</p> |
|--|---|



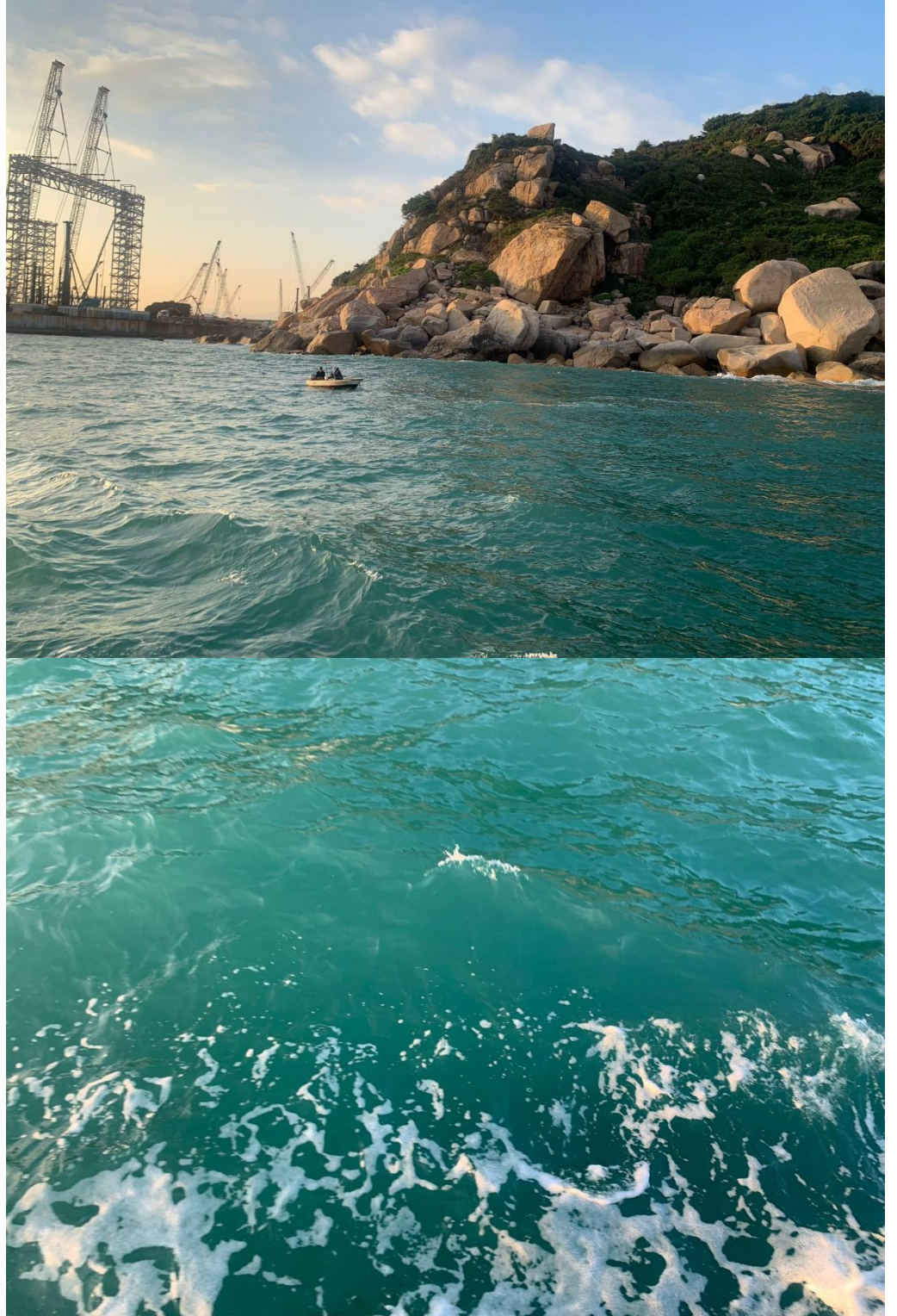
Monitoring photos of  
stations with exceedance

M1:





CR1:

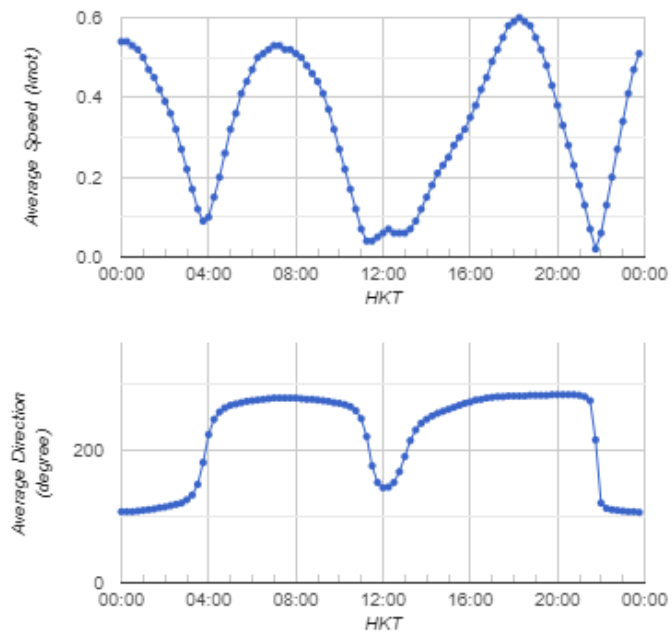


Remarks


Current direction during mid-flood sampling on 07 Dec 2022:

|                  |                                |                    |               |
|------------------|--------------------------------|--------------------|---------------|
| HKT              | 2022-12-07 16:00               |                    | <b>UPDATE</b> |
| Date & Time      | 2022-12-07 16:00               |                    |               |
| Prediction Mode  | Average                        | <b>Change Mode</b> |               |
| Position (WGS84) | 22 - 10.521 N / 113 - 59.293 E |                    |               |
| Speed:           | 0.35 knot(s)                   |                    |               |
| Direction:       | 272 °(TN)                      |                    |               |

24-hour Tidal Stream's Speed & Direction  
 2022-12-07

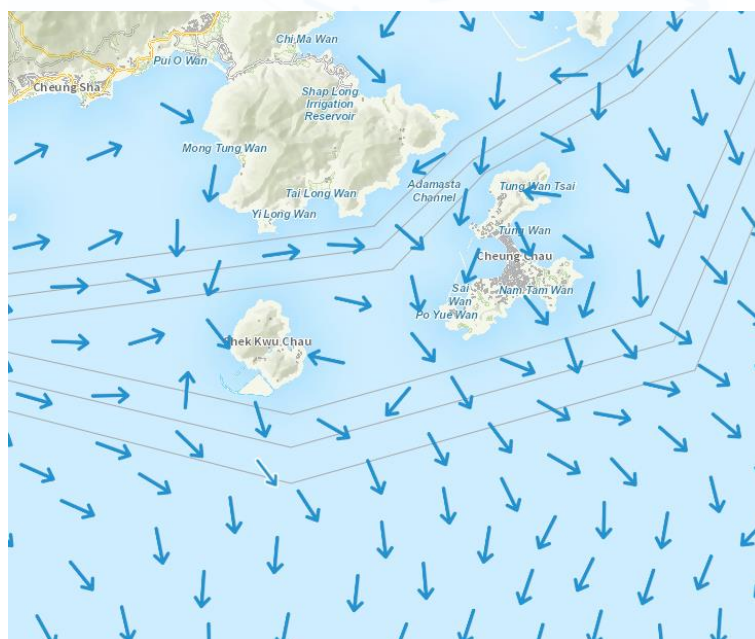
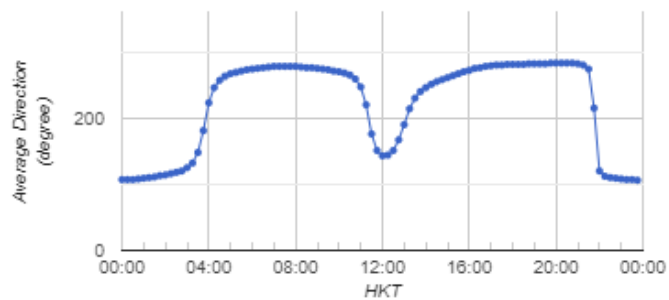
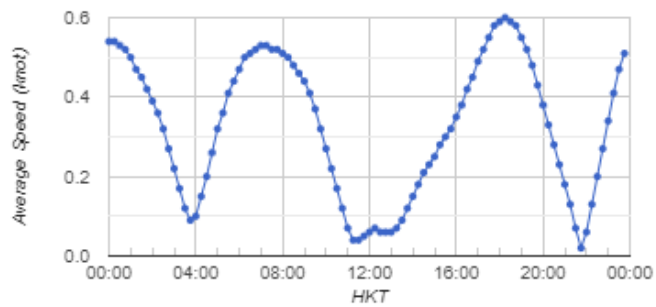


Current direction during mid-ebb sampling on 07 Dec 2022:

HKT 2022-12-07 12:00  [UPDATE](#)

|                  |                                     |
|------------------|-------------------------------------|
| Date & Time      | 2022-12-07 12:00                    |
| Prediction Mode  | Average <a href="#">Change Mode</a> |
| Position (WGS84) | 22 - 10.521 N / 113 - 59.293 E      |
| Speed:           | 0.06 knot(s)                        |
| Direction:       | 143 °(TN)                           |

24-hour Tidal Stream's Speed & Direction  
2022-12-07



|   | <b>Legend</b>  |              |              |               |                 |                 |                 |                 |                       |
|---|--|--------------|--------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
|   | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0       →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5       →</td> <td style="padding: 5px;">2.5 and above       →</td> </tr> </tbody> </table> | Speed (knot) | Speed (knot) | 0-0.5       → | 1.5-2.0       → | 0.5-1.0       → | 2.0-2.5       → | 1.0-1.5       → | 2.5 and above       → |
| Speed (knot)  | Speed (knot)   |              |              |               |                 |                 |                 |                 |                       |
| 0-0.5       →   | 1.5-2.0       →  |              |              |               |                 |                 |                 |                 |                       |
| 0.5-1.0       →   | 2.0-2.5       →  |              |              |               |                 |                 |                 |                 |                       |
| 1.0-1.5       →   | 2.5 and above       →  |              |              |               |                 |                 |                 |                 |                       |
| (Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> ) |  |              |              |               |                 |                 |                 |                 |                       |
| Prepared by   | Jack Chow  |              |              |               |                 |                 |                 |                 |                       |
| Date  | 19 Dec 2022  |              |              |               |                 |                 |                 |                 |                       |



**Incident Report on Action Level or Limit Level Non-compliance**

|  |   |                                  |  |
|--|---|----------------------------------|--|
| Project  | Integrated Waste Management Facilities, Phase 1   |                                  |  |
| Date   | 16 Dec 2022 (Lab result received on 23 December 2022)   |                                  |  |
| Time   | 11:56 – 15:26 (Mid-Flood)   |                                  |  |
| Monitoring Location                                      | Mid-Flood<br>CR1  |                                  |  |
|  |   |                                  |  |
| Parameter  | Suspended Solid (SS)  |                                  |  |
| Action & Limit Levels                                    | Action Level  |                                  | Limit Level  |
|  | ≥ 8.0 mg/L  |                                  | ≥ 10.0 mg/L  |
| Measurement Level  | Impact Station(s) of Exceedance   | Control Stations                 | Impact Station(s) without Exceedance   |
|  | 8.7 mg/L (CR1)  | 7.2 mg/L (C1A)<br>5.1 mg/L (C2A) | 4.5 mg/L (B1)<br>4.8 mg/L (B2)<br>5.0 mg/L (B3)<br>5.0 mg/L (B4)<br>4.1 mg/L (H1)<br>6.0 mg/L (F1A)<br>6.2 mg/L (M1)<br>6.8 mg/L (CR2) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 16 Dec 2022 include laying of 900kg underlayer rock at Seawall A seaside CH300 - CH400, inspection works of Chinese pods at Seawall A seaside CH480 - CH570, laying of 2.5T armour rock at Breakwater A seaside CH1000 - CH1100, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.</p> <p>Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>An exceedance of action level was found at CR1.</p> |                                  |  |

|  |  |
|--|--|
|  | <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 20 December 2022.</p> <p>After the investigation, the exceedance on 16 December 2022 during flood tide at CR1 is deemed to be unrelated to the Project.</p> |
|--|--|

Monitoring photos of  
stations with exceedance

CR1:



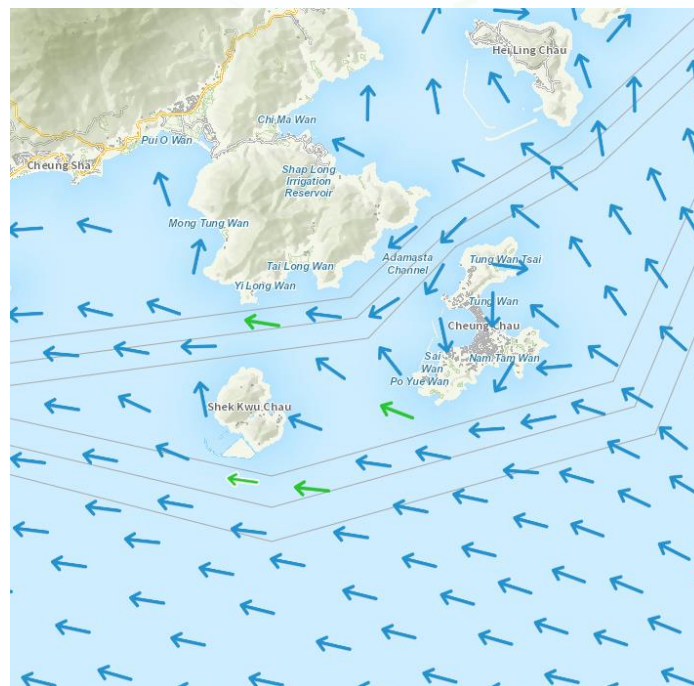
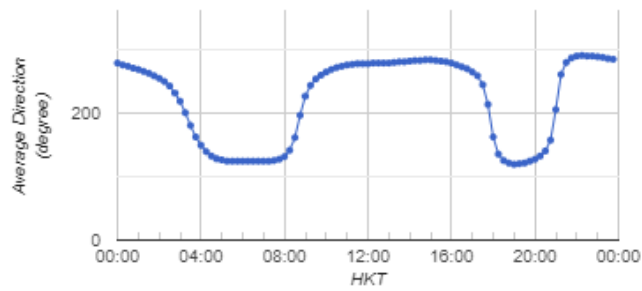
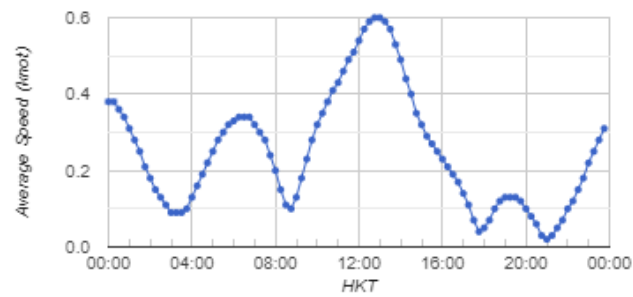


Remarks

Current direction during mid-flood sampling on 16 Dec 2022:

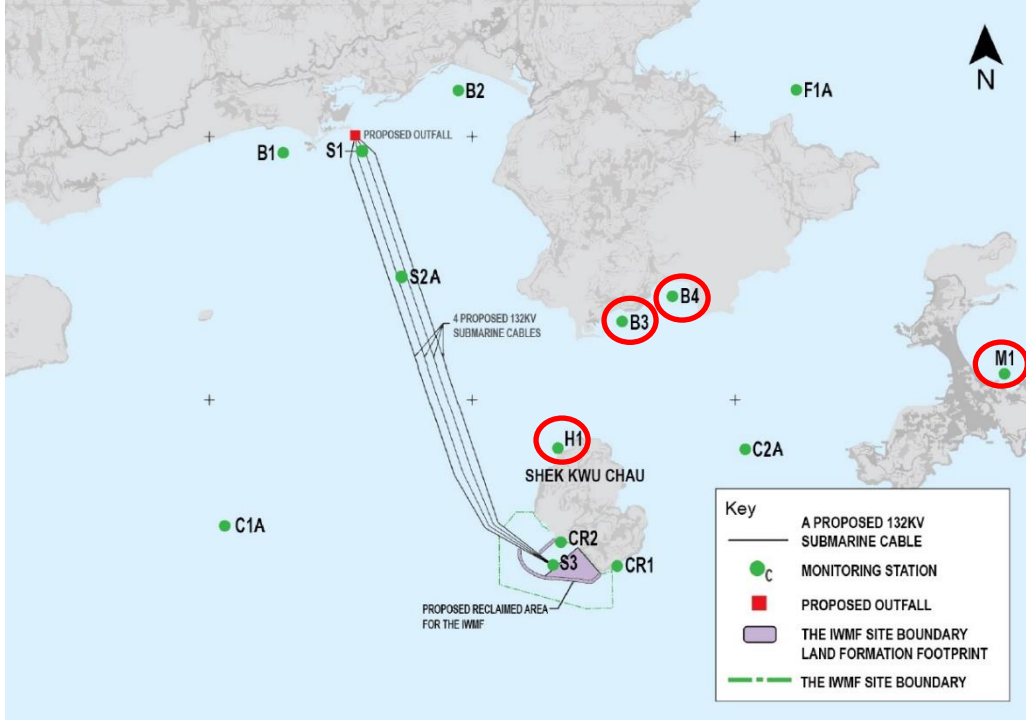
|                  |                               |                    |               |
|------------------|-------------------------------|--------------------|---------------|
| HKT              | 2022-12-16 12:30              |                    | <b>UPDATE</b> |
| Date & Time      | 2022-12-16 12:30              |                    |               |
| Prediction Mode  | Average                       | <b>Change Mode</b> |               |
| Position (WGS84) | 22 - 11.017 N / 113 - 59.24 E |                    |               |
| Speed:           | 0.59 knot(s)                  |                    |               |
| Direction:       | 278 °(TN)                     |                    |               |

24-hour Tidal Stream's Speed & Direction  
 2022-12-16



|   | <b>Legend</b>  |              |              |               |                 |                 |                 |                 |                       |
|---|--|--------------|--------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
|   | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0       →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5       →</td> <td style="padding: 5px;">2.5 and above       →</td> </tr> </tbody> </table> | Speed (knot) | Speed (knot) | 0-0.5       → | 1.5-2.0       → | 0.5-1.0       → | 2.0-2.5       → | 1.0-1.5       → | 2.5 and above       → |
| Speed (knot)  | Speed (knot)   |              |              |               |                 |                 |                 |                 |                       |
| 0-0.5       →   | 1.5-2.0       →  |              |              |               |                 |                 |                 |                 |                       |
| 0.5-1.0       →   | 2.0-2.5       →  |              |              |               |                 |                 |                 |                 |                       |
| 1.0-1.5       →   | 2.5 and above       →  |              |              |               |                 |                 |                 |                 |                       |
| (Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> ) |  |              |              |               |                 |                 |                 |                 |                       |
| Prepared by   | Jack Chow  |              |              |               |                 |                 |                 |                 |                       |
| Date  | 3 Jan 2023   |              |              |               |                 |                 |                 |                 |                       |

**Incident Report on Action Level or Limit Level Non-compliance**

|  |   |                                  |  |
|--|---|----------------------------------|--|
| Project  | Integrated Waste Management Facilities, Phase 1   |                                  |  |
| Date   | 19 Dec 2022 (Lab result received on 30 December 2022)   |                                  |  |
| Time   | 08:00 – 11:12 (Mid-Ebb)   |                                  |  |
| Mid-Ebb  |   |                                  |  |
| Monitoring Location                                      | B3, B4, H1, M1<br>   |                                  |  |
| Parameter  | Suspended Solid (SS)  |                                  |  |
| Action & Limit Levels                                    | Action Level  |                                  | Limit Level  |
|  | ≥ 8.2 mg/L (120% of C1A)  |                                  | ≥ 10.0 mg/L  |
| Measurement Level  | Impact Station(s) of Exceedance   | Control Stations                 | Impact Station(s) without Exceedance   |
|  | 11.0 mg/L (B3)<br>20.8 mg/L (B4)<br>16.7 mg/L (H1)<br>10.3 mg/L (M1)  | 6.8 mg/L (C1A)<br>8.2 mg/L (C2A) | 8.0 mg/L (B1)<br>6.3 mg/L (B2)<br>7.5 mg/L (F1A)<br>6.8 mg/L (CR1)<br>5.7 mg/L (CR2) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 19 Dec 2022 include laying of 500kg underlayer rock at Breakwater B landside CH200, laying of 2.5T armour rock at Breakwater A seaside CH1000 - CH1050, laying of 900kg underlayer rock at Seawall A seaside CH330 - CH430, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.</p> <p>Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedances of limit level were found at B3, B4, H1 and M1. B3, B4, H1 and M1 are located at unrelated stream direction (neither upstream nor downstream) to the works location.</p> |                                  |  |

|  |  |
|--|--|
|  | <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 20 December 2022.</p> <p>After the investigation, the exceedances on 19 December 2022 during ebb tide at B3, B4, H1 and M1 are deemed to be unrelated to the Project.</p> |
|--|--|

Monitoring photos of  
stations with exceedance

B3:





B4:



H1:





M1:



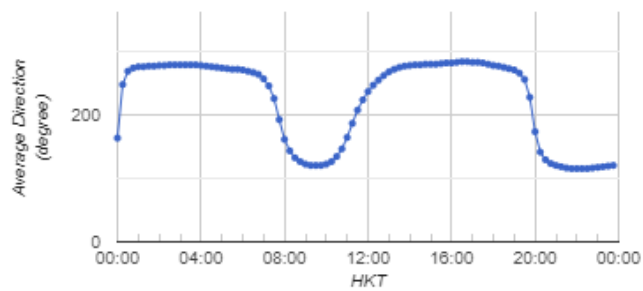
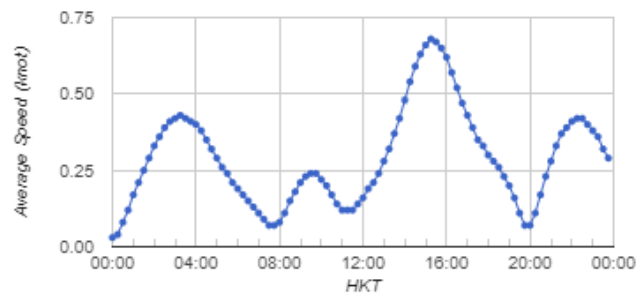


Remarks

Current direction during mid-ebb sampling on 19 Dec 2022:

|                  |                               |                    |               |
|------------------|-------------------------------|--------------------|---------------|
| HKT              | 2022-12-19 08:00              |                    | <b>UPDATE</b> |
| Date & Time      | 2022-12-19 08:00              |                    |               |
| Prediction Mode  | Average                       | <b>Change Mode</b> |               |
| Position (WGS84) | 22 - 11.017 N / 113 - 59.24 E |                    |               |
| Speed:           | 0.08 knot(s)                  |                    |               |
| Direction:       | 161 °(TN)                     |                    |               |

24-hour Tidal Stream's Speed & Direction  
 2022-12-19



|   | <b>Legend</b>  |              |              |               |                 |                 |                 |                 |                       |
|---|--|--------------|--------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
|   | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0       →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5       →</td> <td style="padding: 5px;">2.5 and above       →</td> </tr> </tbody> </table> | Speed (knot) | Speed (knot) | 0-0.5       → | 1.5-2.0       → | 0.5-1.0       → | 2.0-2.5       → | 1.0-1.5       → | 2.5 and above       → |
| Speed (knot)  | Speed (knot)   |              |              |               |                 |                 |                 |                 |                       |
| 0-0.5       →   | 1.5-2.0       →  |              |              |               |                 |                 |                 |                 |                       |
| 0.5-1.0       →   | 2.0-2.5       →  |              |              |               |                 |                 |                 |                 |                       |
| 1.0-1.5       →   | 2.5 and above       →  |              |              |               |                 |                 |                 |                 |                       |
| (Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> ) |  |              |              |               |                 |                 |                 |                 |                       |
| Prepared by   | Jack Chow  |              |              |               |                 |                 |                 |                 |                       |
| Date  | 5 Jan 2023   |              |              |               |                 |                 |                 |                 |                       |

**Incident Report on Action Level or Limit Level Non-compliance**

|  |  |                                  |   |
|--|--|----------------------------------|---|
| Project  | Integrated Waste Management Facilities, Phase 1  |                                  |   |
| Date   | 23 Dec 2022 (Lab result received on 31 December 2022)  |                                  |   |
| Time   | 11:09 – 13:51 (Mid-Ebb)  |                                  |   |
| Mid-Ebb  |  |                                  |   |
| Monitoring Location                                      | <p>B2</p>  |                                  |   |
| Parameter  | Suspended Solid (SS)   |                                  |   |
| Action & Limit Levels                                    | Action Level   |                                  | Limit Level   |
|  | ≥ 10.2 mg/L (120% of C1A)  |                                  | ≥ 11.1 mg/L (130% of C1A)   |
| Measurement Level  | Impact Station(s) of Exceedance  | Control Stations                 | Impact Station(s) without Exceedance  |
|  | 10.3 mg/L (B2)   | 8.5 mg/L (C1A)<br>8.2 mg/L (C2A) | 6.3 mg/L (B1)<br>7.5 mg/L (B3)<br>6.8 mg/L (B4)<br>6.5 mg/L (H1)<br>7.2 mg/L (M1)<br>8.5 mg/L (F1A)<br>7.7 mg/L (CR1)<br>7.2 mg/L (CR2) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 23 Dec 2022 include laying of 900kg underlayer rock at Breakwater B landside CH940, laying of 900kg underlayer rock at Seawall A seaside CH550 - CH670, laying of 2.5T armour rock at Breakwater A seaside CH1000 - CH1100, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.</p> <p>Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau.</p> <p>An exceedance of action level was found at B2. B2 is located at unrelated stream direction (neither upstream nor downstream) to the works location.</p> |                                  |   |

|  |  |
|--|--|
|  | <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site.<br/>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 28 December 2022.</p> <p>After the investigation, the exceedance on 23 December 2022 during ebb tide at B2 is deemed to be unrelated to the Project.</p> |
|--|--|

Monitoring photos of  
stations with exceedance

B2:

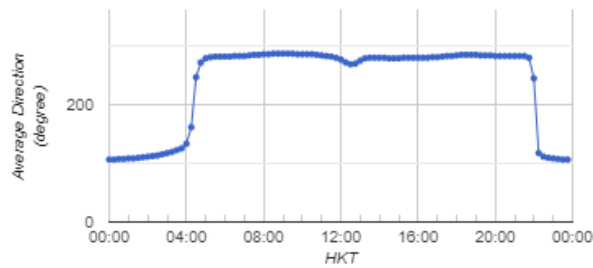
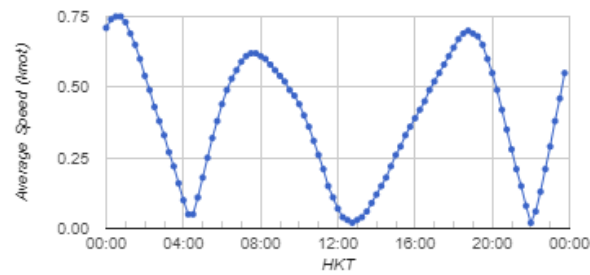


Remarks

Current direction during mid-ebb sampling on 23 Dec 2022:

|                  |                                |                    |               |
|------------------|--------------------------------|--------------------|---------------|
| HKT              | 2022-12-23 11:15               |                    | <b>UPDATE</b> |
| Date & Time      | 2022-12-23 11:15               |                    |               |
| Prediction Mode  | Average                        | <b>Change Mode</b> |               |
| Position (WGS84) | 22 - 10.791 N / 113 - 58.527 E |                    |               |
| Speed:           | 0.21 knot(s)                   |                    |               |
| Direction:       | 282 °(TN)                      |                    |               |

24-hour Tidal Stream's Speed & Direction  
 2022-12-23





|                 | <b>Legend</b>  |              |              |               |                 |                 |                 |                 |                       |
|-----------------|--|--------------|--------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
|                 | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0       →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5       →</td> <td style="padding: 5px;">2.5 and above       →</td> </tr> </tbody> </table> | Speed (knot) | Speed (knot) | 0-0.5       → | 1.5-2.0       → | 0.5-1.0       → | 2.0-2.5       → | 1.0-1.5       → | 2.5 and above       → |
| Speed (knot)    | Speed (knot)   |              |              |               |                 |                 |                 |                 |                       |
| 0-0.5       →   | 1.5-2.0       →  |              |              |               |                 |                 |                 |                 |                       |
| 0.5-1.0       → | 2.0-2.5       →  |              |              |               |                 |                 |                 |                 |                       |
| 1.0-1.5       → | 2.5 and above       →  |              |              |               |                 |                 |                 |                 |                       |
|                 | (Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> )  |              |              |               |                 |                 |                 |                 |                       |
| Prepared by     | Jack Chow  |              |              |               |                 |                 |                 |                 |                       |
| Date            | 6 Jan 2023   |              |              |               |                 |                 |                 |                 |                       |



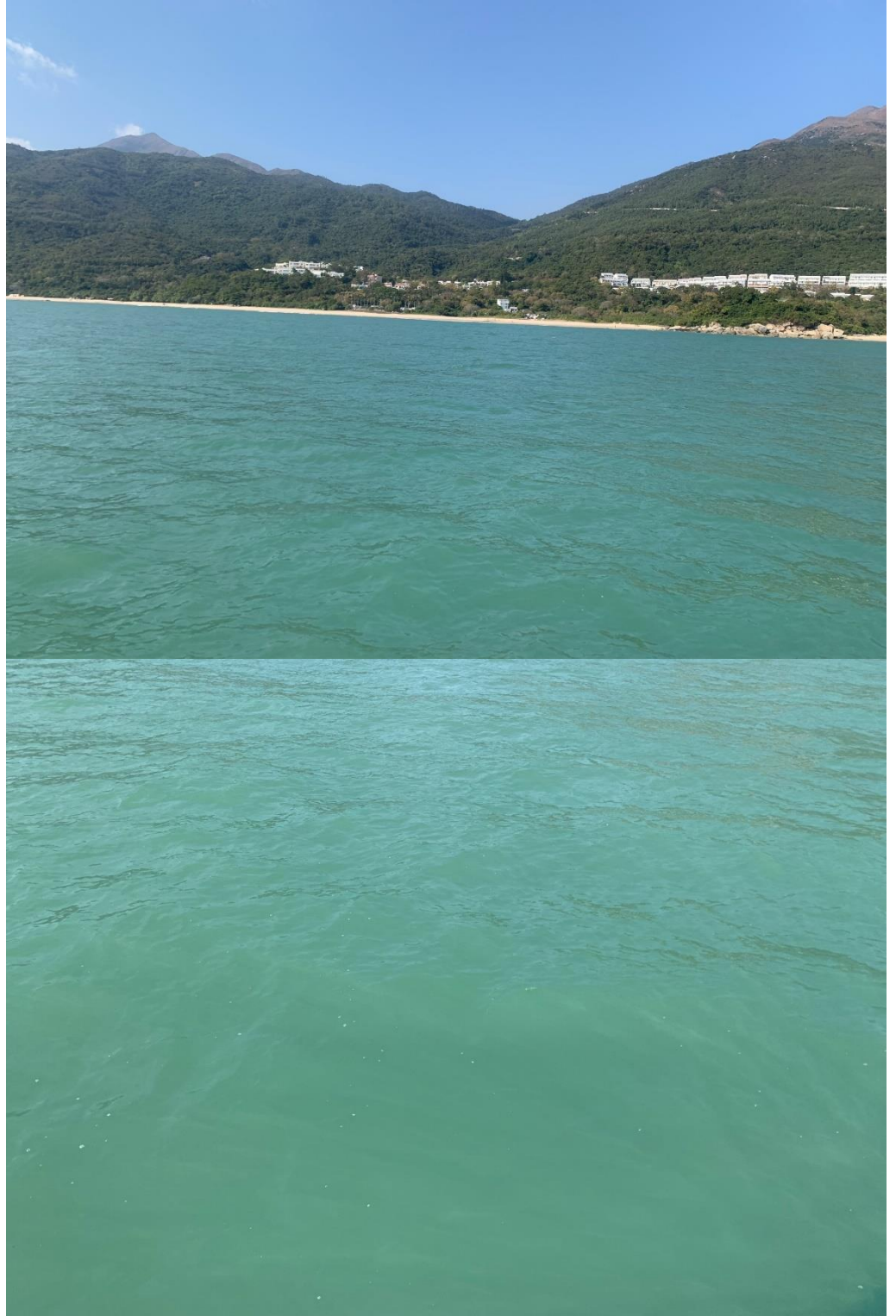
**Incident Report on Action Level or Limit Level Non-compliance**

|  |  |                                  |   |
|--|--|----------------------------------|---|
| Project  | Integrated Waste Management Facilities, Phase 1  |                                  |   |
| Date   | 26 Dec 2022 (Lab result received on 31 December 2022)  |                                  |   |
| Time   | 13:22 – 16:27 (Mid-Ebb)  |                                  |   |
| Monitoring Location                                      | Mid-Ebb<br>B1, B2, B3, B4, H1  |                                  |   |
|  |  |                                  |   |
| Parameter  | Suspended Solid (SS)   |                                  |   |
| Action & Limit Levels                                    | Action Level   |                                  | Limit Level   |
|  | ≥ 8.0 mg/L   |                                  | ≥ 10.0 mg/L   |
| Measurement Level  | Impact Station(s) of Exceedance  | Control Stations                 | Impact Station(s) without Exceedance                                |
|  | 9.8 mg/L (B1)<br>8.5 mg/L (B2)<br>8.8 mg/L (B3)<br>9.5 mg/L (B4)<br>11.3 mg/L (H1)   | 6.0 mg/L (C1A)<br>6.5 mg/L (C2A) | 7.7 mg/L (M1)<br>7.3 mg/L (F1A)<br>6.0 mg/L (CR1)<br>6.3 mg/L (CR2) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 26 Dec 2022 include laying of 4.0T armour rock at Breakwater A landside Caisson 65, laying of 900kg underlayer rock at Seawall A seaside CH590 - CH700, piling works, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.</p> <p>Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>Exceedances of action level were found at B1, B2, B3 and B4, and an exceedance of limit level was found at H1. B1, B2, B3, B4 and H1 are located at unrelated stream direction (neither upstream nor downstream) to the works location.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site.</p> |                                  |   |

|  |  |
|--|--|
|  | <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 28 December 2022.</p> <p>After the investigation, the exceedances on 26 December 2022 during ebb tide at B1, B2, B3, B4 and H1 are deemed to be unrelated to the Project.</p> |
|--|--|

Monitoring photos of  
stations with exceedance

B1:



B2:





B3:





B4:



H1:

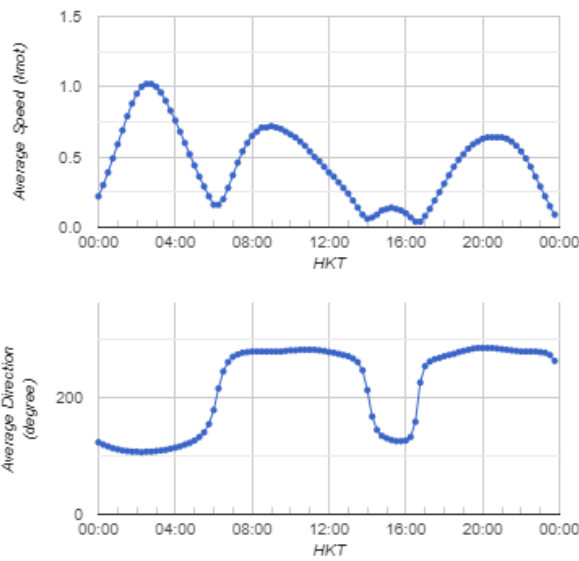


Remarks

Current direction during mid-ebb sampling on 26 Dec 2022:

|                  |                               |                    |               |
|------------------|-------------------------------|--------------------|---------------|
| HKT              | 2022-12-26 15:30              |                    | <b>UPDATE</b> |
| Date & Time      | 2022-12-26 15:30              |                    |               |
| Prediction Mode  | Average                       | <b>Change Mode</b> |               |
| Position (WGS84) | 22 - 11.017 N / 113 - 59.24 E |                    |               |
| Speed:           | 0.13 knot(s)                  |                    |               |
| Direction:       | 125 °(TN)                     |                    |               |

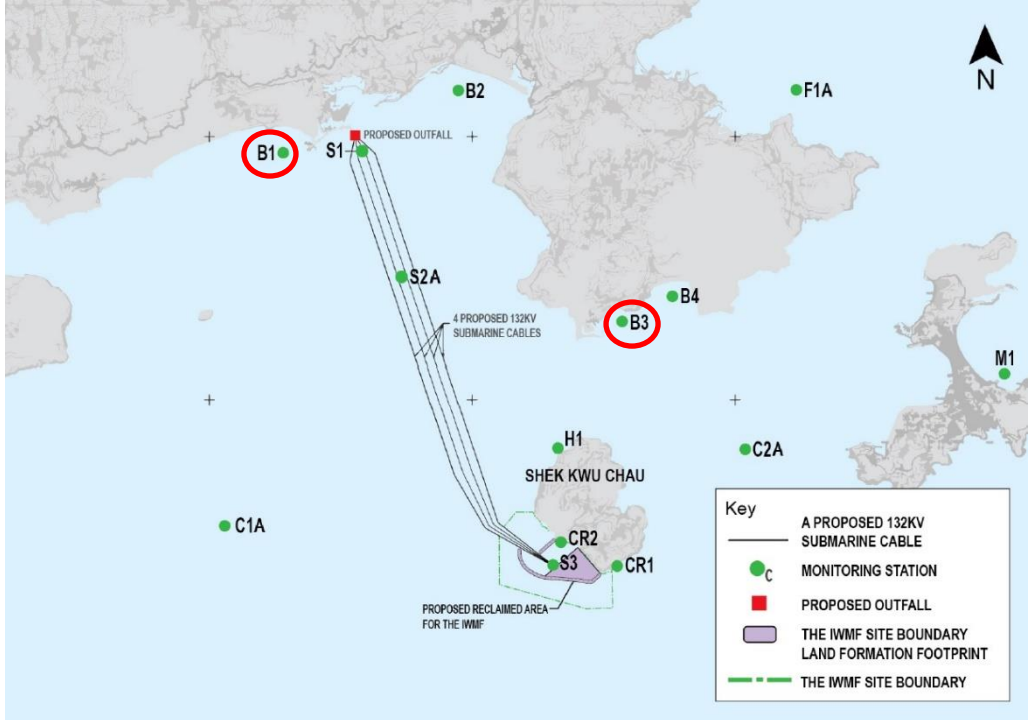
24-hour Tidal Stream's Speed & Direction  
 2022-12-26



|   | <b>Legend</b>  |              |              |               |                 |                 |                 |                 |                       |
|---|--|--------------|--------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
|   | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0       →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5       →</td> <td style="padding: 5px;">2.5 and above       →</td> </tr> </tbody> </table> | Speed (knot) | Speed (knot) | 0-0.5       → | 1.5-2.0       → | 0.5-1.0       → | 2.0-2.5       → | 1.0-1.5       → | 2.5 and above       → |
| Speed (knot)  | Speed (knot)   |              |              |               |                 |                 |                 |                 |                       |
| 0-0.5       →   | 1.5-2.0       →  |              |              |               |                 |                 |                 |                 |                       |
| 0.5-1.0       →   | 2.0-2.5       →  |              |              |               |                 |                 |                 |                 |                       |
| 1.0-1.5       →   | 2.5 and above       →  |              |              |               |                 |                 |                 |                 |                       |
| (Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> ) |  |              |              |               |                 |                 |                 |                 |                       |
| Prepared by   | Jack Chow  |              |              |               |                 |                 |                 |                 |                       |
| Date  | 6 Jan 2023   |              |              |               |                 |                 |                 |                 |                       |



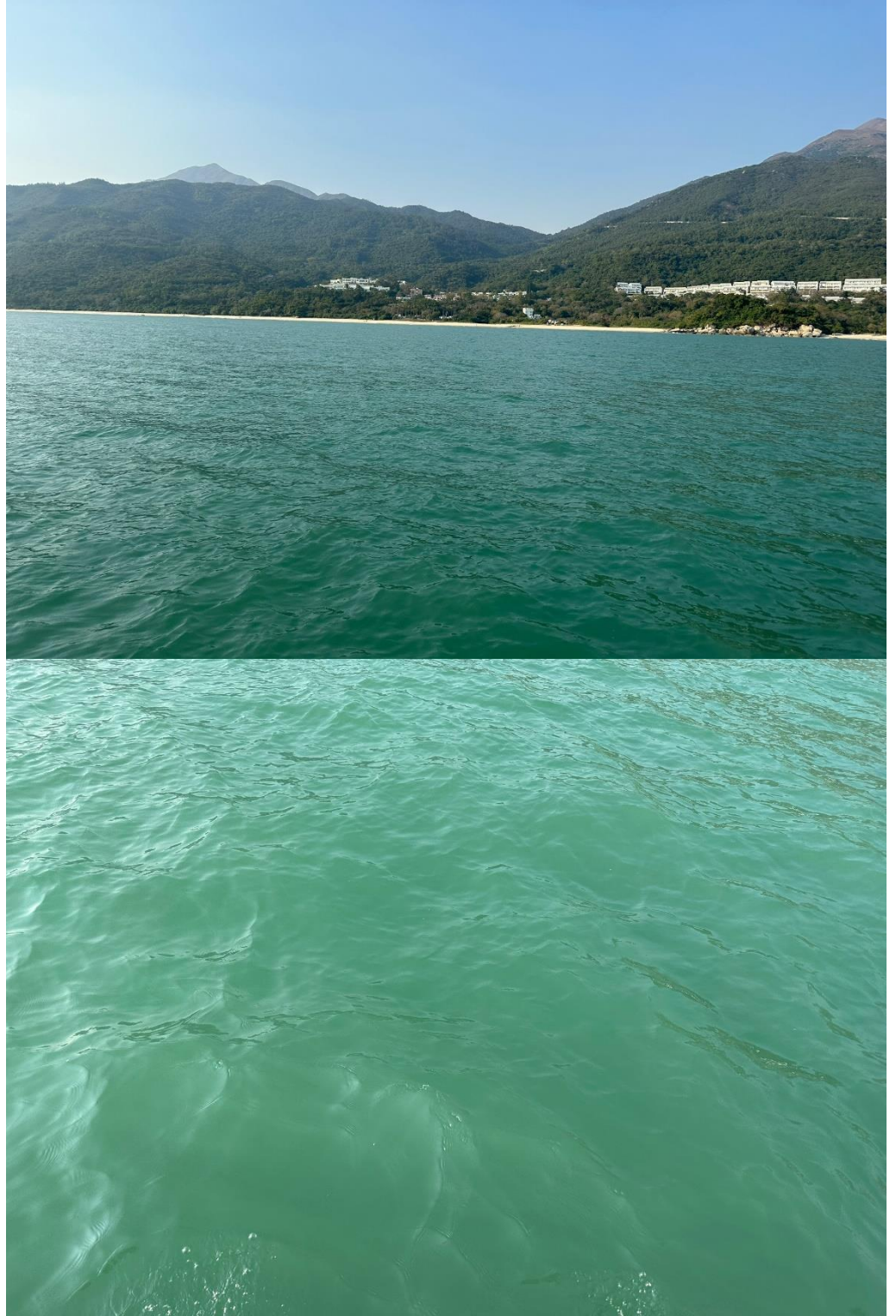
**Incident Report on Action Level or Limit Level Non-compliance**

|  |  |                                  |  |
|--|--|----------------------------------|--|
| Project  | Integrated Waste Management Facilities, Phase 1  |                                  |  |
| Date   | 28 Dec 2022 (Lab result received on 04 January 2023)   |                                  |  |
| Time   | 15:07 – 18:12 (Mid-Ebb)  |                                  |  |
| Mid-Ebb  |  |                                  |  |
| Monitoring Location                                      | B1, B3<br>  |                                  |  |
| Parameter  | Suspended Solid (SS)   |                                  |  |
| Action & Limit Levels                                    | Action Level   |                                  | Limit Level  |
|  | ≥ 8.0 mg/L   |                                  | ≥ 10.0 mg/L  |
| Measurement Level  | Impact Station(s) of Exceedance  | Control Stations                 | Impact Station(s) without Exceedance   |
|  | 11.5 mg/L (B1)<br>8.0 mg/L (B3)  | 4.5 mg/L (C1A)<br>4.5 mg/L (C2A) | 7.3 mg/L (B2)<br>4.8 mg/L (B4)<br>5.8 mg/L (H1)<br>5.3 mg/L (M1)<br>4.5 mg/L (F1A)<br>3.4 mg/L (CR1)<br>3.1 mg/L (CR2) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 28 Dec 2022 include laying of 4.0T armour rock at Breakwater A landside Caisson 65, laying of G200 rockfill at Caisson 47, piling works, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.</p> <p>Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>An exceedance of action level was found at B3, and an exceedance of limit level was found at B1.</p> <p>B1 and B3 are located at unrelated stream direction (neither upstream nor downstream) to the works location.</p> |                                  |  |

|  |   |
|--|---|
|  | <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was sunny during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 28 December 2022.</p> <p>After the investigation, the exceedances on 28 December 2022 during ebb tide at B1 and B3 are deemed to be unrelated to the Project.</p> |
|--|---|

Monitoring photos of  
stations with exceedance

B1:





B3:



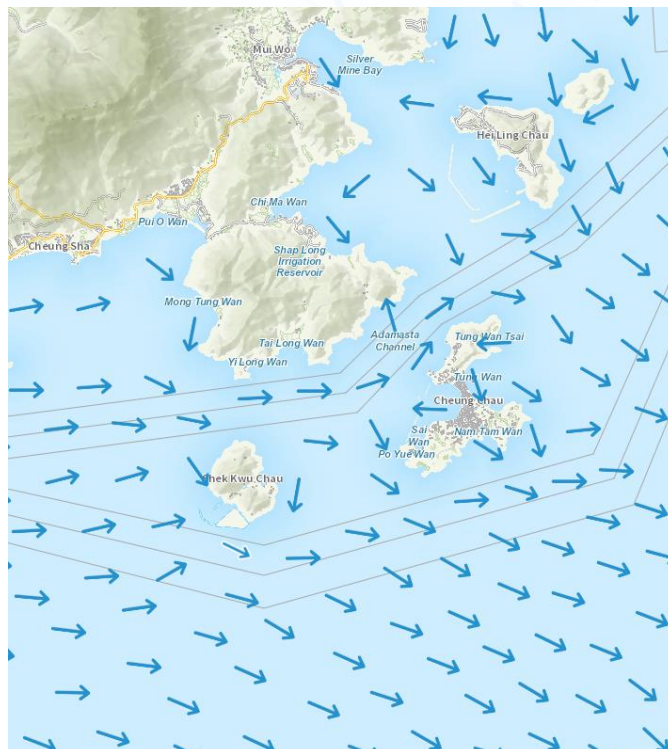
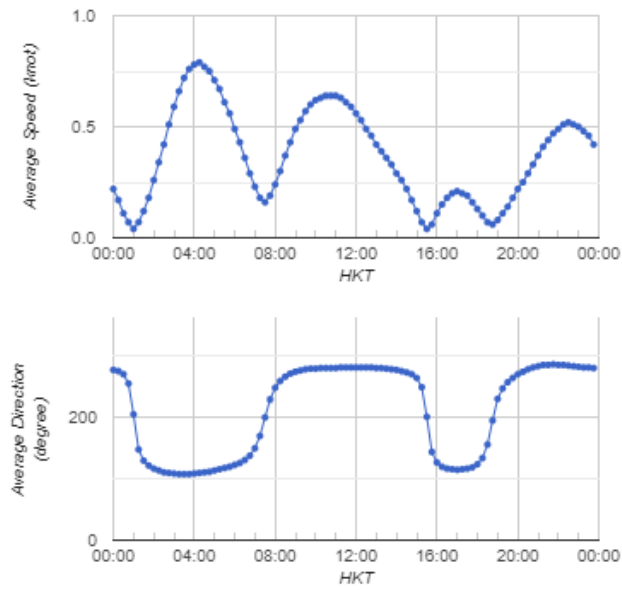


Remarks

Current direction during mid-ebb sampling on 28 Dec 2022:

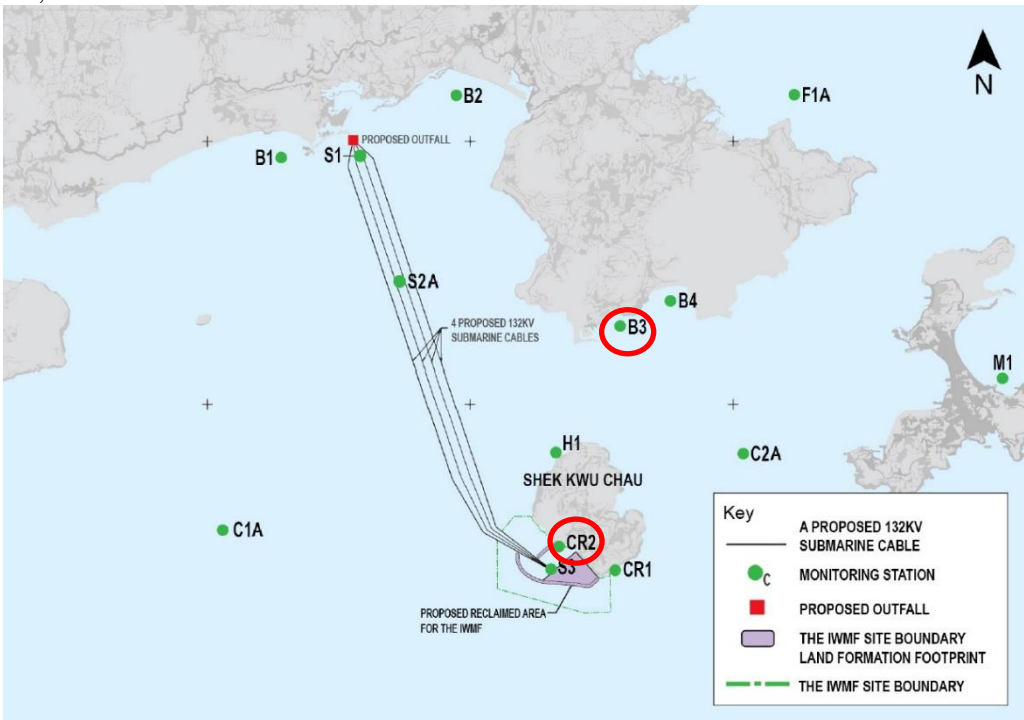
|                  |                               |                    |               |
|------------------|-------------------------------|--------------------|---------------|
| HKT              | 2022-12-28 16:30              |                    | <b>UPDATE</b> |
| Date & Time      | 2022-12-28 16:30              |                    |               |
| Prediction Mode  | Average                       | <b>Change Mode</b> |               |
| Position (WGS84) | 22 - 11.017 N / 113 - 59.24 E |                    |               |
| Speed:           | 0.18 knot(s)                  |                    |               |
| Direction:       | 116 °(TN)                     |                    |               |

24-hour Tidal Stream's Speed & Direction  
 2022-12-28



|   | <b>Legend</b>  |              |              |               |                 |                 |                 |                 |                       |
|---|--|--------------|--------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
|   | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0       →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5       →</td> <td style="padding: 5px;">2.5 and above       →</td> </tr> </tbody> </table> | Speed (knot) | Speed (knot) | 0-0.5       → | 1.5-2.0       → | 0.5-1.0       → | 2.0-2.5       → | 1.0-1.5       → | 2.5 and above       → |
| Speed (knot)  | Speed (knot)   |              |              |               |                 |                 |                 |                 |                       |
| 0-0.5       →   | 1.5-2.0       →  |              |              |               |                 |                 |                 |                 |                       |
| 0.5-1.0       →   | 2.0-2.5       →  |              |              |               |                 |                 |                 |                 |                       |
| 1.0-1.5       →   | 2.5 and above       →  |              |              |               |                 |                 |                 |                 |                       |
| (Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> ) |  |              |              |               |                 |                 |                 |                 |                       |
| Prepared by   | Jack Chow  |              |              |               |                 |                 |                 |                 |                       |
| Date  | 6 Jan 2023   |              |              |               |                 |                 |                 |                 |                       |

**Incident Report on Action Level or Limit Level Non-compliance**

|  |  |                                  |   |
|--|--|----------------------------------|---|
| Project  | Integrated Waste Management Facilities, Phase 1  |                                  |   |
| Date   | 30 Dec 2022 (Lab result received on 06 January 2023)   |                                  |   |
| Time   | 11:11 – 14:41 (Mid-Flood)<br>17:08 – 19:00 (Mid-Ebb)   |                                  |   |
| Mid-Flood  |  |                                  |   |
| Monitoring Location                                      | B3, CR2<br>   |                                  |   |
| Parameter  | Suspended Solid (SS)   |                                  |   |
| Action & Limit Levels                                    | Action Level   |                                  | Limit Level   |
|  | ≥ 9.2 mg/L (120% of C2A)   |                                  | ≥ 10.0 mg/L (130% of C2A)   |
| Measurement Level  | Impact Station(s) of Exceedance  | Control Stations                 | Impact Station(s) without Exceedance  |
|  | 9.8 mg/L (B3)<br>10.5 mg/L (CR2)   | 7.3 mg/L (C1A)<br>7.7 mg/L (C2A) | 8.0 mg/L (B1)<br>7.8 mg/L (B2)<br>8.8 mg/L (B4)<br>8.3 mg/L (H1)<br>8.2 mg/L (F1A)<br>5.8 mg/L (M1)<br>8.8 mg/L (CR1) |
| Possible reason for Action or Limit Level Non-compliance | Works scheduled on site on 30 Dec 2022 include laying of 900kg underlayer rock at Seawall A seaside CH370 - CH600, installation of Chinese pod at Caissons 45 - 48, laying of 900kg underlayer rock at Seawall A seaside CH20 - CH70, remove the surcharge materials from Zone 5 to flat top barge Hong Hong 3133, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.<br><br>Dominant sea current direction was found to be from Southeast to Northwest at waters around Shek Kwu Chau. |                                  |   |

|  |  |
|--|--|
|  | <p>An exceedance of action level was found at B3, and an exceedance of limit level was found CR2. B3 is located at unrelated stream direction (neither upstream nor downstream, far away) to the works location. The exceedance at B3 is deemed to be unrelated to the Project.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 03 January 2023.</p> <p>After the investigation, the exceedances on 30 December 2022 during flood tide at B3 and CR2 are deemed to be unrelated to the Project.</p> |
|--|--|

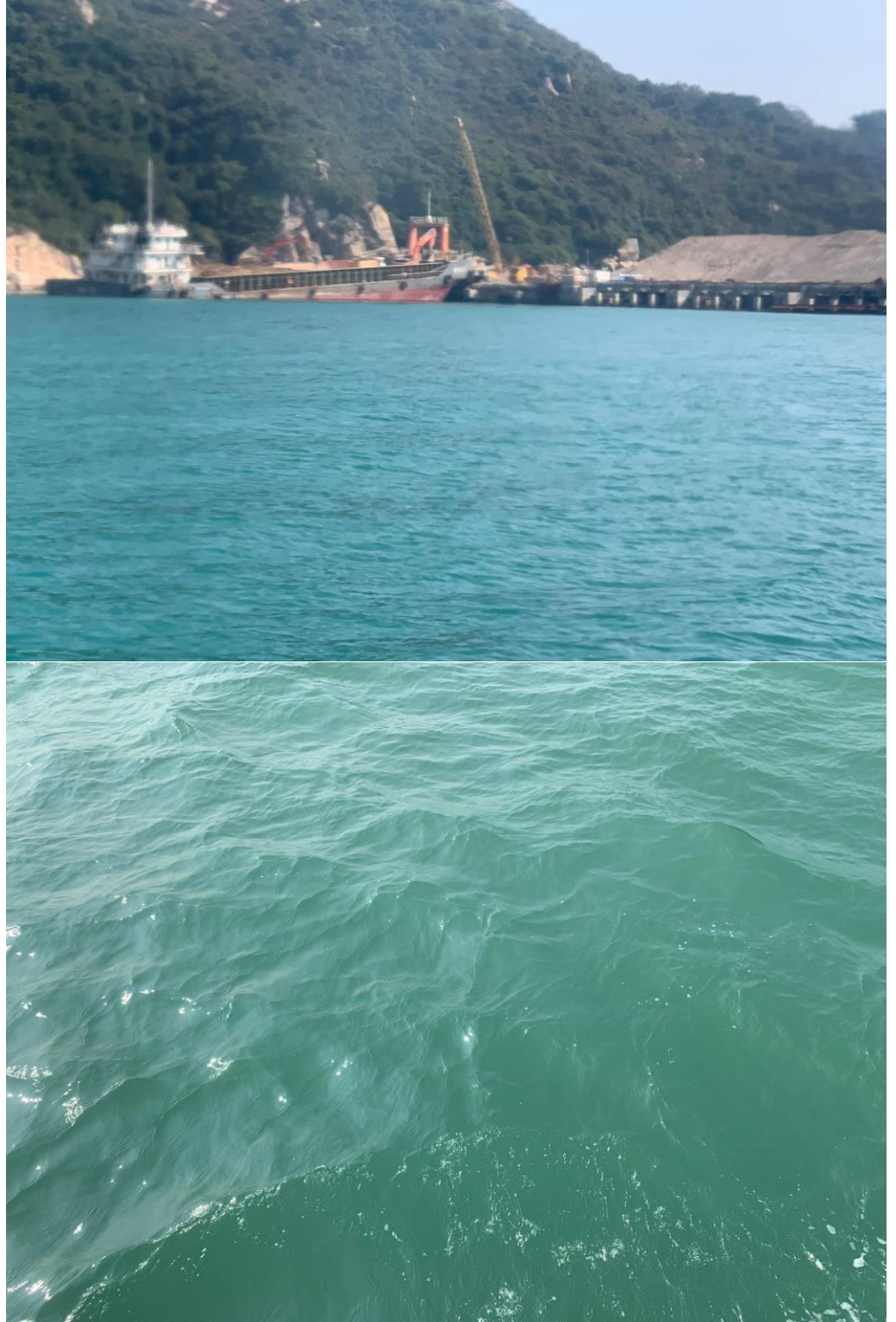


Monitoring photos of  
stations with exceedance

B3:



CR2:



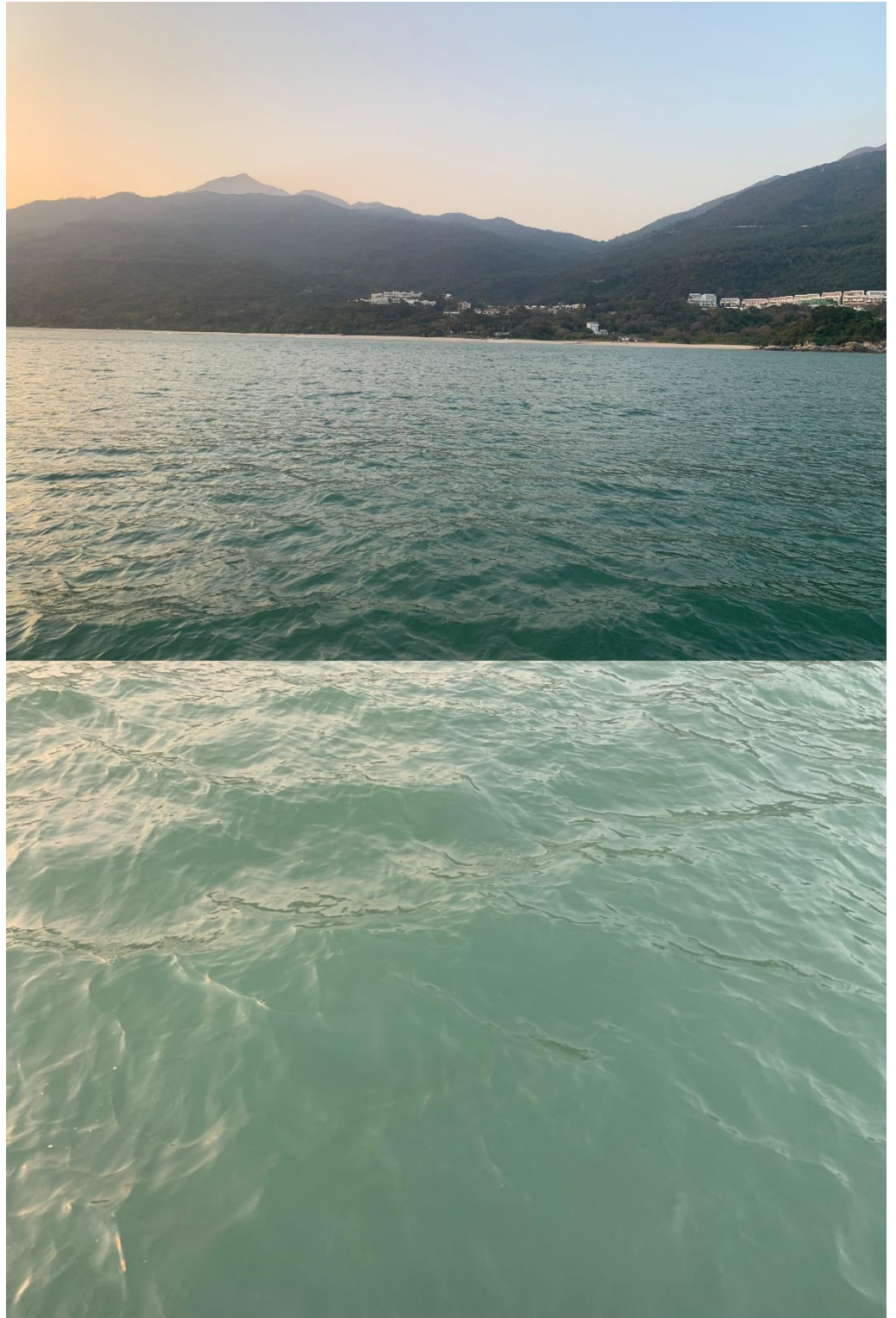
| Mid-Ebb  |   |                                  |   |
|--|---|----------------------------------|---|
| Monitoring Location                                      | B1<br>  |                                  |   |
| Parameter  | Suspended Solid (SS)  |                                  |   |
| Action & Limit Levels                                    | Action Level  |                                  | Limit Level   |
|  | ≥ 8.2 mg/L (120% of C1A)  |                                  | ≥ 10.0 mg/L   |
| Measurement Level  | Impact Station(s) of Exceedance   | Control Stations                 | Impact Station(s) without Exceedance  |
|  | 8.5 mg/L (B1)   | 6.8 mg/L (C1A)<br>6.5 mg/L (C2A) | 7.0 mg/L (B2)<br>7.0 mg/L (B3)<br>7.8 mg/L (B4)<br>6.7 mg/L (F1A)<br>7.8 mg/L (H1)<br>7.5 mg/L (M1)<br>5.8 mg/L (CR1)<br>7.2 mg/L (CR2) |
| Possible reason for Action or Limit Level Non-compliance | <p>Works scheduled on site on 30 Dec 2022 include laying of 900kg underlayer rock at Seawall A seaside CH370 - CH600, installation of Chinese pod at Caissons 45 - 48, laying of 900kg underlayer rock at Seawall A seaside CH20 - CH70, remove the surcharge materials from Zone 5 to flat top barge Hong Hong 3133, piling works, piling works for driven pile, piling works for pre-bored socketed H-pile, pile cap construction, blockwork seawall and existing caisson extension, and Process Building construction works.</p> <p>Dominant sea current direction was found to be from Northwest to Southeast at waters around Shek Kwu Chau.</p> <p>An exceedance of action level was found at B1. B1 is located at unrelated stream direction (neither upstream nor downstream) to the works location. The exceedance at B1 is deemed to be unrelated to the Project.</p> <p>The installation of caisson No.19 was completed on 18 Mar 2021, the reclamation area was enclosed.</p> |                                  |   |

|  |  |
|--|--|
|  | <p>According to the field observation by sampling team during sampling event, no silt plume was observed in the Project site and the weather was fine during the sampling event.</p> <p>No major observation of improper site practices that contributed to the increase of the suspended solids was recorded during the weekly site inspection on 03 January 2023.</p> <p>After the investigation, the exceedance on 30 December 2022 during ebb tide at B1 is deemed to be unrelated to the Project.</p> |
|--|--|



Monitoring photos of  
stations with exceedance

B1:

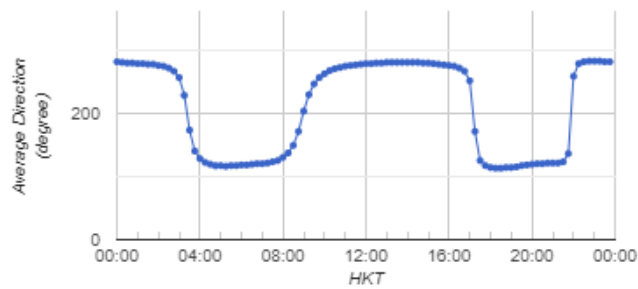
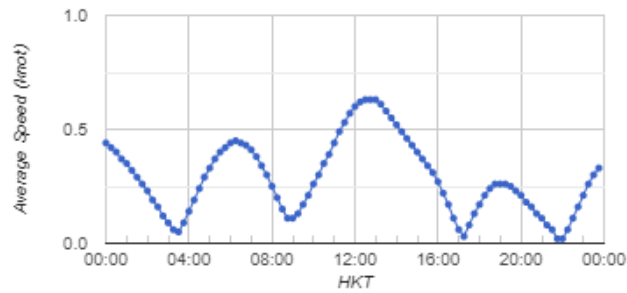


Remarks

Current direction during mid-flood sampling on 30 Dec 2022:

|                  |                               |                    |               |
|------------------|-------------------------------|--------------------|---------------|
| HKT              | 2022-12-30 11:30              |                    | <b>UPDATE</b> |
| Date & Time      | 2022-12-30 11:30              |                    |               |
| Prediction Mode  | Average                       | <b>Change Mode</b> |               |
| Position (WGS84) | 22 - 11.017 N / 113 - 59.24 E |                    |               |
| Speed:           | 0.53 knot(s)                  |                    |               |
| Direction:       | 276 °(TN)                     |                    |               |

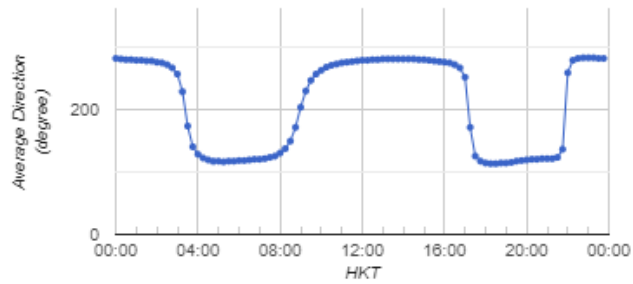
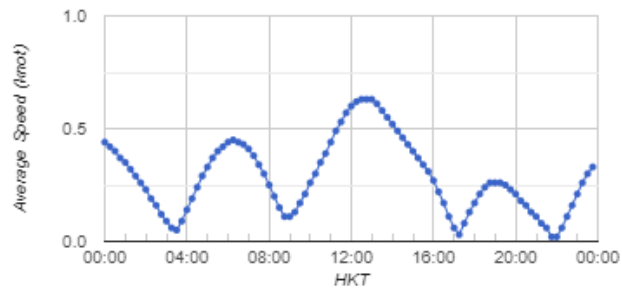
24-hour Tidal Stream's Speed & Direction  
 2022-12-30



Current direction during mid-ebb sampling on 30 Dec 2022:

|                  |                               |                    |               |
|------------------|-------------------------------|--------------------|---------------|
| HKT              | 2022-12-30 18:30              |                    | <b>UPDATE</b> |
| Date & Time      | 2022-12-30 18:30              |                    |               |
| Prediction Mode  | Average                       | <b>Change Mode</b> |               |
| Position (WGS84) | 22 - 11.017 N / 113 - 59.24 E |                    |               |
| Speed:           | 0.24 knot(s)                  |                    |               |
| Direction:       | 113 °(TN)                     |                    |               |

24-hour Tidal Stream's Speed & Direction  
2022-12-30



|   | <b>Legend</b>  |              |              |               |                 |                 |                 |                 |                       |
|---|--|--------------|--------------|---------------|-----------------|-----------------|-----------------|-----------------|-----------------------|
|   | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;">Speed (knot)</th> <th style="text-align: left; padding: 5px;">Speed (knot)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">0-0.5       →</td> <td style="padding: 5px;">1.5-2.0       →</td> </tr> <tr> <td style="padding: 5px;">0.5-1.0       →</td> <td style="padding: 5px;">2.0-2.5       →</td> </tr> <tr> <td style="padding: 5px;">1.0-1.5       →</td> <td style="padding: 5px;">2.5 and above       →</td> </tr> </tbody> </table> | Speed (knot) | Speed (knot) | 0-0.5       → | 1.5-2.0       → | 0.5-1.0       → | 2.0-2.5       → | 1.0-1.5       → | 2.5 and above       → |
| Speed (knot)  | Speed (knot)   |              |              |               |                 |                 |                 |                 |                       |
| 0-0.5       →   | 1.5-2.0       →  |              |              |               |                 |                 |                 |                 |                       |
| 0.5-1.0       →   | 2.0-2.5       →  |              |              |               |                 |                 |                 |                 |                       |
| 1.0-1.5       →   | 2.5 and above       →  |              |              |               |                 |                 |                 |                 |                       |
| (Sourced from <a href="http://current.hydro.gov.hk/en/map.html">http://current.hydro.gov.hk/en/map.html</a> ) |  |              |              |               |                 |                 |                 |                 |                       |
| Prepared by   | Jack Chow  |              |              |               |                 |                 |                 |                 |                       |
| Date  | 10 Jan 2023  |              |              |               |                 |                 |                 |                 |                       |