

Appendix D. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results**Station: AR1A- Man Tung Road Park**

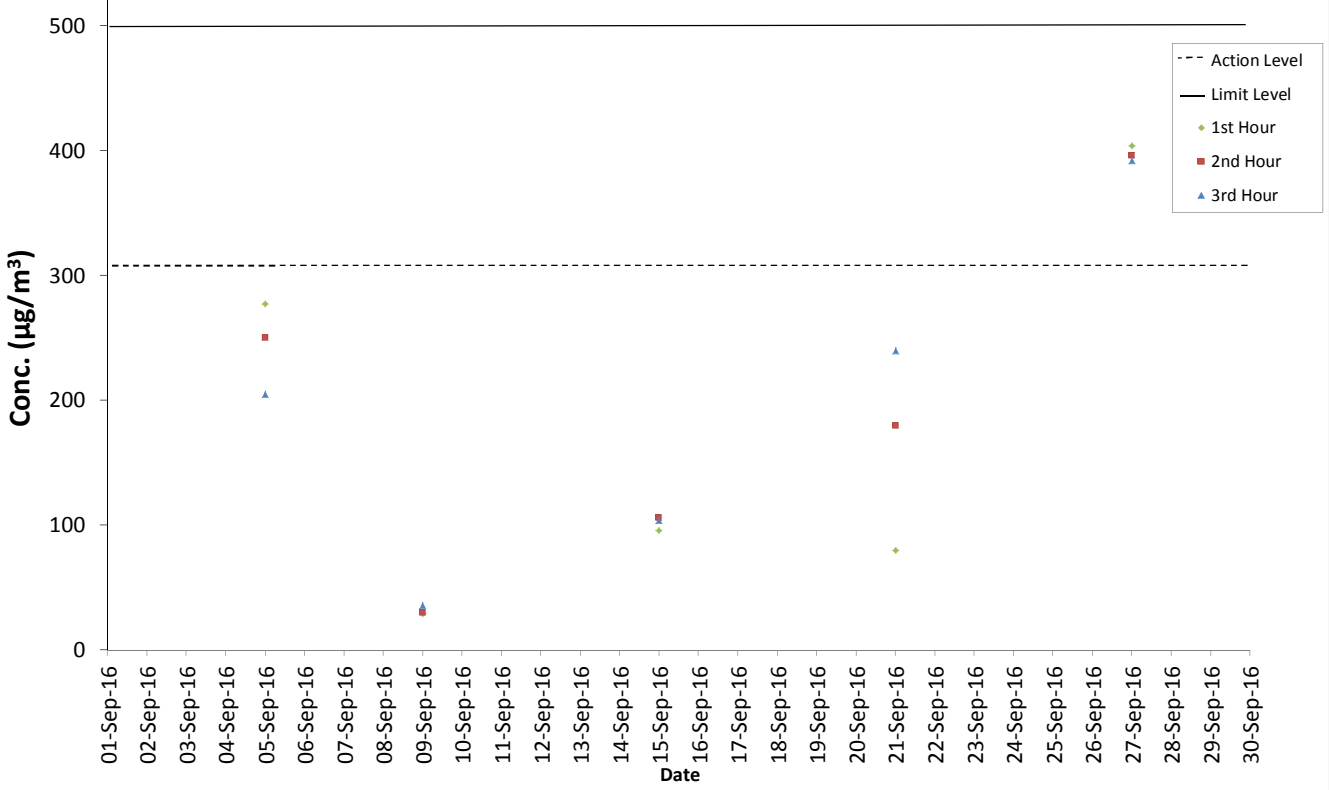
| Date | Time | Weather | Wind Speed (m/s) | Wind Direction (deg) | 1-hr TSP ($\mu\text{g}/\text{m}^3$) | Action Level ($\mu\text{g}/\text{m}^3$) | Limit Level ($\mu\text{g}/\text{m}^3$) |
|-----------|-------|---------|------------------|----------------------|---------------------------------------|---|--|
| 05-Sep-16 | 13:37 | Rainy | 2.7 | 101 | 277 | 306 | 500 |
| 05-Sep-16 | 14:37 | Rainy | 2.6 | 110 | 250 | 306 | 500 |
| 05-Sep-16 | 15:37 | Rainy | 6.8 | 89 | 205 | 306 | 500 |
| 09-Sep-16 | 13:30 | Rainy | 7.3 | 90 | 29 | 306 | 500 |
| 09-Sep-16 | 14:30 | Rainy | 7.2 | 83 | 30 | 306 | 500 |
| 09-Sep-16 | 15:30 | Rainy | 7.5 | 84 | 36 | 306 | 500 |
| 15-Sep-16 | 13:00 | Sunny | 4.4 | 327 | 96 | 306 | 500 |
| 15-Sep-16 | 14:00 | Sunny | 3.9 | 318 | 106 | 306 | 500 |
| 15-Sep-16 | 15:00 | Sunny | 3.5 | 310 | 104 | 306 | 500 |
| 21-Sep-16 | 08:50 | Sunny | 5.3 | 50 | 80 | 306 | 500 |
| 21-Sep-16 | 09:50 | Sunny | 5.1 | 68 | 180 | 306 | 500 |
| 21-Sep-16 | 10:50 | Sunny | 3.2 | 94 | 240 | 306 | 500 |
| 27-Sep-16 | 08:52 | Haze | 3.7 | 319 | 404 | 306 | 500 |
| 27-Sep-16 | 09:52 | Haze | 4.6 | 312 | 396 | 306 | 500 |
| 27-Sep-16 | 10:52 | Haze | 4.9 | 305 | 392 | 306 | 500 |

Action Level - Value presented in bold

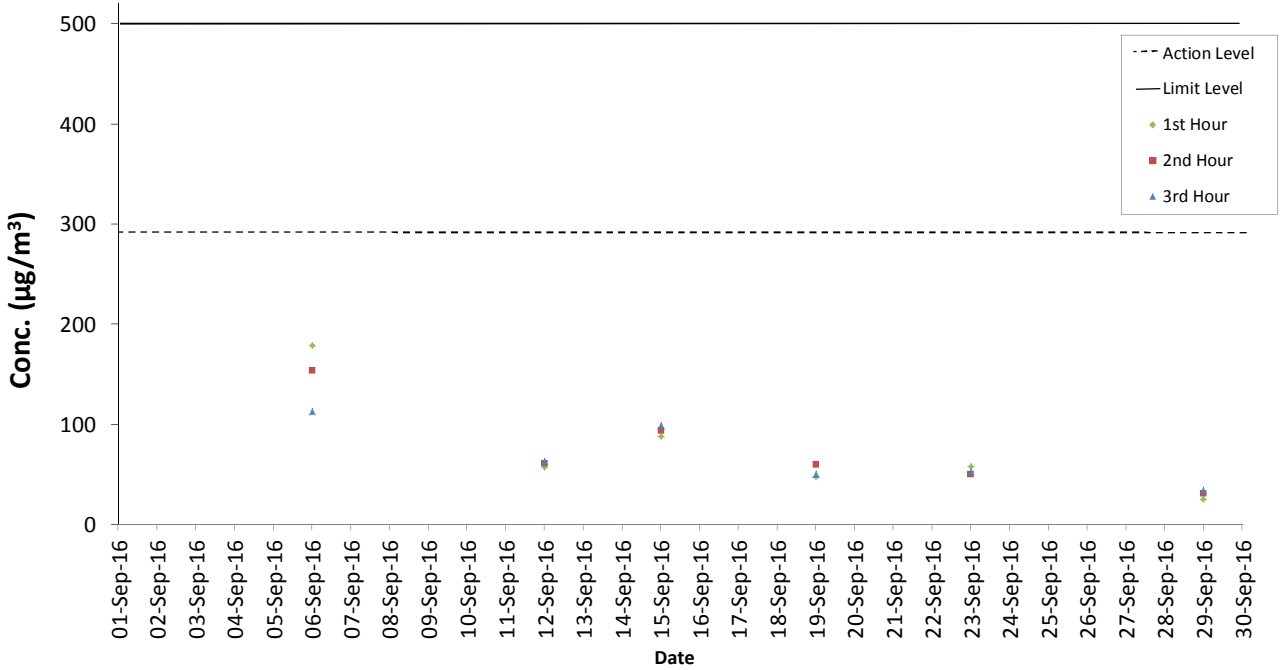
1-hour TSP Results**Station: AR2- Village House, Tin Sum**

| Date | Time | Weather | Wind Speed (m/s) | Wind Direction (deg) | 1-hr TSP ($\mu\text{g}/\text{m}^3$) | Action Level ($\mu\text{g}/\text{m}^3$) | Limit Level ($\mu\text{g}/\text{m}^3$) |
|-----------|-------|---------|------------------|----------------------|---------------------------------------|---|--|
| 06-Sep-16 | 08:55 | Cloudy | 2.6 | 81 | 179 | 298 | 500 |
| 06-Sep-16 | 09:55 | Cloudy | 3.0 | 80 | 154 | 298 | 500 |
| 06-Sep-16 | 10:55 | Cloudy | 3.7 | 92 | 113 | 298 | 500 |
| 12-Sep-16 | 09:00 | Sunny | 3.9 | 57 | 57 | 298 | 500 |
| 12-Sep-16 | 10:00 | Sunny | 3.0 | 46 | 61 | 298 | 500 |
| 12-Sep-16 | 11:00 | Sunny | 2.4 | 57 | 63 | 298 | 500 |
| 15-Sep-16 | 09:00 | Sunny | 4.5 | 310 | 88 | 298 | 500 |
| 15-Sep-16 | 10:00 | Sunny | 6.4 | 320 | 94 | 298 | 500 |
| 15-Sep-16 | 11:00 | Sunny | 5.5 | 321 | 99 | 298 | 500 |
| 19-Sep-16 | 08:50 | Sunny | 5.1 | 55 | 48 | 298 | 500 |
| 19-Sep-16 | 09:50 | Sunny | 4.2 | 58 | 60 | 298 | 500 |
| 19-Sep-16 | 10:50 | Sunny | 2.8 | 21 | 50 | 298 | 500 |
| 23-Sep-16 | 08:55 | Sunny | 6.0 | 60 | 58 | 298 | 500 |
| 23-Sep-16 | 09:55 | Sunny | 6.1 | 80 | 50 | 298 | 500 |
| 23-Sep-16 | 10:55 | Sunny | 5.7 | 96 | 53 | 298 | 500 |
| 29-Sep-16 | 8:55 | Cloudy | 6.7 | 339 | 25 | 298 | 500 |
| 29-Sep-16 | 9:55 | Cloudy | 5.4 | 335 | 31 | 298 | 500 |
| 29-Sep-16 | 10:55 | Cloudy | 6.6 | 332 | 34 | 298 | 500 |

AR1A 1-Hour TSP



AR2 1-Hour TSP



Noise Monitoring Results

Noise Measurement Results

Station: NM1A- Man Tung Road Park

| Date | Weather | Time | Measured L ₁₀ dB(A) | Measured L ₉₀ dB(A) | L _{eq(30mins)} dB(A) |
|-----------|---------|-------|--------------------------------|--------------------------------|-------------------------------|
| 06-Sep-16 | Cloudy | 15:14 | 72.5 | 55.0 | 72 |
| 06-Sep-16 | Cloudy | 15:19 | 73.5 | 55.5 | |
| 06-Sep-16 | Cloudy | 15:24 | 72.0 | 56.0 | |
| 06-Sep-16 | Cloudy | 15:29 | 70.0 | 54.0 | |
| 06-Sep-16 | Cloudy | 15:34 | 73.5 | 54.5 | |
| 06-Sep-16 | Cloudy | 15:39 | 70.5 | 55.0 | |
| 15-Sep-16 | Sunny | 10:05 | 72.5 | 56.0 | 73 |
| 15-Sep-16 | Sunny | 10:10 | 70.5 | 54.5 | |
| 15-Sep-16 | Sunny | 10:15 | 69.5 | 54.5 | |
| 15-Sep-16 | Sunny | 10:20 | 72.5 | 55.0 | |
| 15-Sep-16 | Sunny | 10:25 | 70.5 | 54.5 | |
| 15-Sep-16 | Sunny | 10:30 | 70.0 | 54.5 | |
| 21-Sep-16 | Sunny | 10:07 | 72.0 | 54.5 | 71 |
| 21-Sep-16 | Sunny | 10:12 | 70.5 | 55.5 | |
| 21-Sep-16 | Sunny | 10:17 | 72.0 | 54.5 | |
| 21-Sep-16 | Sunny | 10:22 | 71.5 | 55.0 | |
| 21-Sep-16 | Sunny | 10:27 | 70.5 | 54.0 | |
| 21-Sep-16 | Sunny | 10:32 | 72.5 | 54.5 | |
| 27-Sep-16 | Haze | 10:30 | 71.0 | 57.5 | 71 |
| 27-Sep-16 | Haze | 10:35 | 70.5 | 56.0 | |
| 27-Sep-16 | Haze | 10:40 | 72.5 | 57.0 | |
| 27-Sep-16 | Haze | 10:45 | 71.5 | 57.0 | |
| 27-Sep-16 | Haze | 10:50 | 70.5 | 57.0 | |
| 27-Sep-16 | Haze | 10:55 | 72.5 | 57.0 | |

Remarks:

+3dB (A) correction was applied to free-field measurement.

Noise Measurement Results

Station: NM3A- Site Office

| Date | Weather | Time | Measured L ₁₀ dB(A) | Measured L ₉₀ dB(A) | L _{eq(30mins)} dB(A) |
|-----------|---------|-------|--------------------------------|--------------------------------|-------------------------------|
| 06-Sep-16 | Cloudy | 14:03 | 61.5 | 59.0 | 62 |
| 06-Sep-16 | Cloudy | 14:08 | 62.0 | 59.5 | |
| 06-Sep-16 | Cloudy | 14:13 | 62.5 | 60.0 | |
| 06-Sep-16 | Cloudy | 14:18 | 64.5 | 61.0 | |
| 06-Sep-16 | Cloudy | 14:23 | 62.0 | 60.0 | |
| 06-Sep-16 | Cloudy | 14:28 | 62.0 | 60.0 | |
| 12-Sep-16 | Sunny | 16:39 | 62.0 | 60.5 | 62 |
| 12-Sep-16 | Sunny | 16:44 | 62.5 | 61.0 | |
| 12-Sep-16 | Sunny | 16:49 | 62.0 | 61.0 | |
| 12-Sep-16 | Sunny | 16:54 | 64.5 | 61.0 | |
| 12-Sep-16 | Sunny | 16:59 | 63.5 | 61.5 | |
| 12-Sep-16 | Sunny | 17:04 | 64.5 | 61.0 | |
| 21-Sep-16 | Sunny | 14:02 | 66.5 | 61.0 | 61 |
| 21-Sep-16 | Sunny | 14:07 | 66.5 | 60.5 | |
| 21-Sep-16 | Sunny | 14:12 | 68.0 | 60.5 | |
| 21-Sep-16 | Sunny | 14:17 | 69.5 | 61.0 | |
| 21-Sep-16 | Sunny | 14:22 | 66.5 | 61.0 | |
| 21-Sep-16 | Sunny | 14:27 | 70.0 | 61.5 | |
| 27-Sep-16 | Haze | 14:31 | 66.0 | 62.5 | 61 |
| 27-Sep-16 | Haze | 14:36 | 67.0 | 63.0 | |
| 27-Sep-16 | Haze | 14:41 | 65.5 | 62.0 | |
| 27-Sep-16 | Haze | 14:46 | 65.5 | 62.0 | |
| 27-Sep-16 | Haze | 14:51 | 65.5 | 64.0 | |
| 27-Sep-16 | Haze | 14:56 | 67.5 | 63.0 | |

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Won Primary School

| Date | Weather | Time | Measured L ₁₀ dB(A) | Measured L ₉₀ dB(A) | L _{eq(30mins)} dB(A) |
|-----------|---------|-------|--------------------------------|--------------------------------|-------------------------------|
| 06-Sep-16 | Cloudy | 13:14 | 63.5 | 58.5 | 64 |
| 06-Sep-16 | Cloudy | 13:19 | 63.5 | 59.0 | |
| 06-Sep-16 | Cloudy | 13:24 | 62.5 | 59.0 | |
| 06-Sep-16 | Cloudy | 13:29 | 61.5 | 58.5 | |
| 06-Sep-16 | Cloudy | 13:34 | 61.5 | 58.5 | |
| 06-Sep-16 | Cloudy | 13:39 | 62.0 | 58.5 | |
| 15-Sep-16 | Sunny | 11:06 | 61.5 | 58.0 | 64 |
| 15-Sep-16 | Sunny | 11:11 | 62.0 | 58.5 | |
| 15-Sep-16 | Sunny | 11:16 | 61.5 | 58.0 | |
| 15-Sep-16 | Sunny | 11:21 | 62.0 | 58.0 | |
| 15-Sep-16 | Sunny | 11:26 | 62.5 | 59.0 | |
| 15-Sep-16 | Sunny | 11:31 | 62.0 | 58.5 | |
| 21-Sep-16 | Sunny | 13:58 | 63.5 | 59.5 | 66 |
| 21-Sep-16 | Sunny | 14:03 | 63.5 | 59.5 | |
| 21-Sep-16 | Sunny | 14:08 | 63.5 | 59.0 | |
| 21-Sep-16 | Sunny | 14:13 | 64.0 | 59.5 | |
| 21-Sep-16 | Sunny | 14:18 | 66.0 | 63.5 | |
| 21-Sep-16 | Sunny | 14:23 | 65.5 | 62.0 | |
| 27-Sep-16 | Haze | 13:49 | 64.5 | 60.5 | 66 |
| 27-Sep-16 | Haze | 13:54 | 64.5 | 60.5 | |
| 27-Sep-16 | Haze | 13:59 | 64.5 | 60.0 | |
| 27-Sep-16 | Haze | 14:04 | 64.0 | 59.5 | |
| 27-Sep-16 | Haze | 14:09 | 65.0 | 60.5 | |
| 27-Sep-16 | Haze | 14:14 | 67.5 | 61.0 | |

Remarks:

+3dB (A) correction was applied to free-field measurement.

Noise Measurement Results

Station: NM5- Village House, Tin Sum

| Date | Weather | Time | Measured L ₁₀ dB(A) | Measured L ₉₀ dB(A) | L _{eq(30mins)} dB(A) |
|-----------|---------|-------|--------------------------------|--------------------------------|-------------------------------|
| 06-Sep-16 | Cloudy | 09:15 | 60.0 | 47.5 | 58 |
| 06-Sep-16 | Cloudy | 09:20 | 58.5 | 48.5 | |
| 06-Sep-16 | Cloudy | 09:25 | 57.5 | 47.0 | |
| 06-Sep-16 | Cloudy | 09:30 | 59.5 | 47.5 | |
| 06-Sep-16 | Cloudy | 09:35 | 58.5 | 50.0 | |
| 06-Sep-16 | Cloudy | 09:40 | 58.5 | 49.0 | |
| 12-Sep-16 | Sunny | 11:30 | 52.0 | 44.0 | 53 |
| 12-Sep-16 | Sunny | 11:35 | 54.0 | 45.5 | |
| 12-Sep-16 | Sunny | 11:40 | 52.5 | 45.0 | |
| 12-Sep-16 | Sunny | 11:45 | 53.0 | 46.0 | |
| 12-Sep-16 | Sunny | 11:50 | 53.5 | 46.5 | |
| 12-Sep-16 | Sunny | 11:55 | 54.0 | 46.5 | |
| 19-Sep-16 | Sunny | 09:10 | 55.5 | 47.0 | 58 |
| 19-Sep-16 | Sunny | 09:15 | 57.5 | 48.0 | |
| 19-Sep-16 | Sunny | 09:20 | 60.5 | 50.0 | |
| 19-Sep-16 | Sunny | 09:25 | 57.0 | 50.0 | |
| 19-Sep-16 | Sunny | 09:30 | 57.5 | 50.5 | |
| 19-Sep-16 | Sunny | 09:35 | 57.0 | 50.5 | |
| 29-Sep-16 | Cloudy | 9:05 | 61.5 | 54.0 | 57 |
| 29-Sep-16 | Cloudy | 09:10 | 61.0 | 53.5 | |
| 29-Sep-16 | Cloudy | 09:15 | 58.5 | 53.0 | |
| 29-Sep-16 | Cloudy | 09:20 | 58.5 | 52.5 | |
| 29-Sep-16 | Cloudy | 09:25 | 61.0 | 52.0 | |
| 29-Sep-16 | Cloudy | 09:30 | 61.0 | 53.0 | |

Remarks:

+3dB (A) correction was applied to free-field measurement.

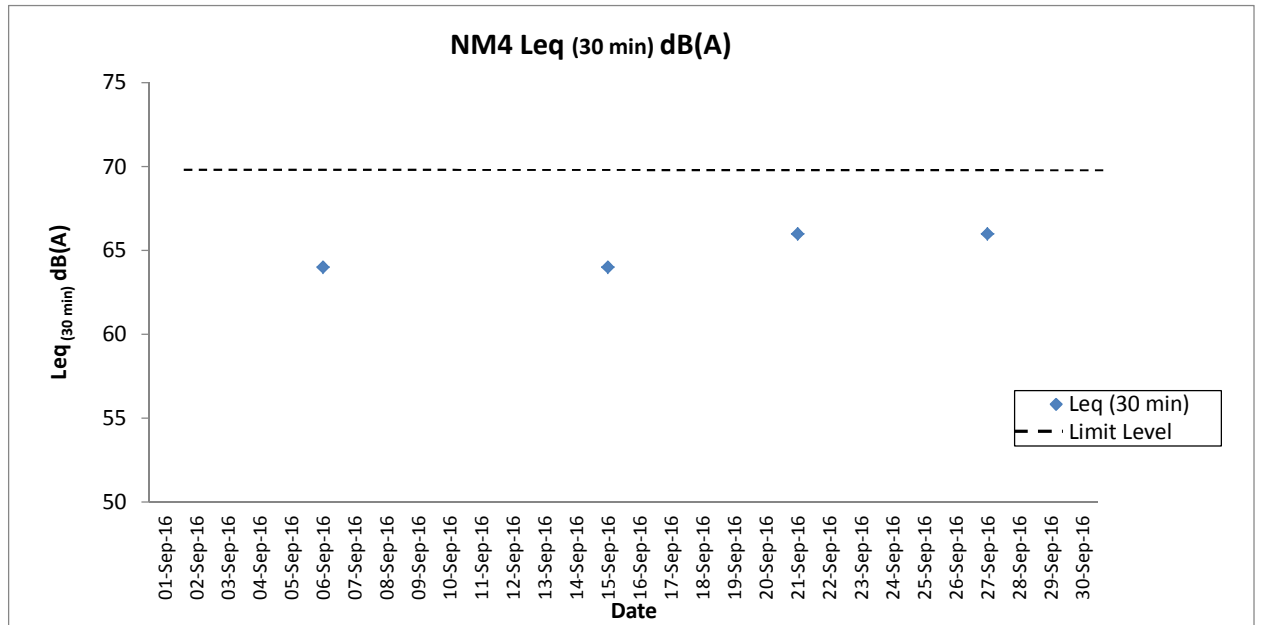
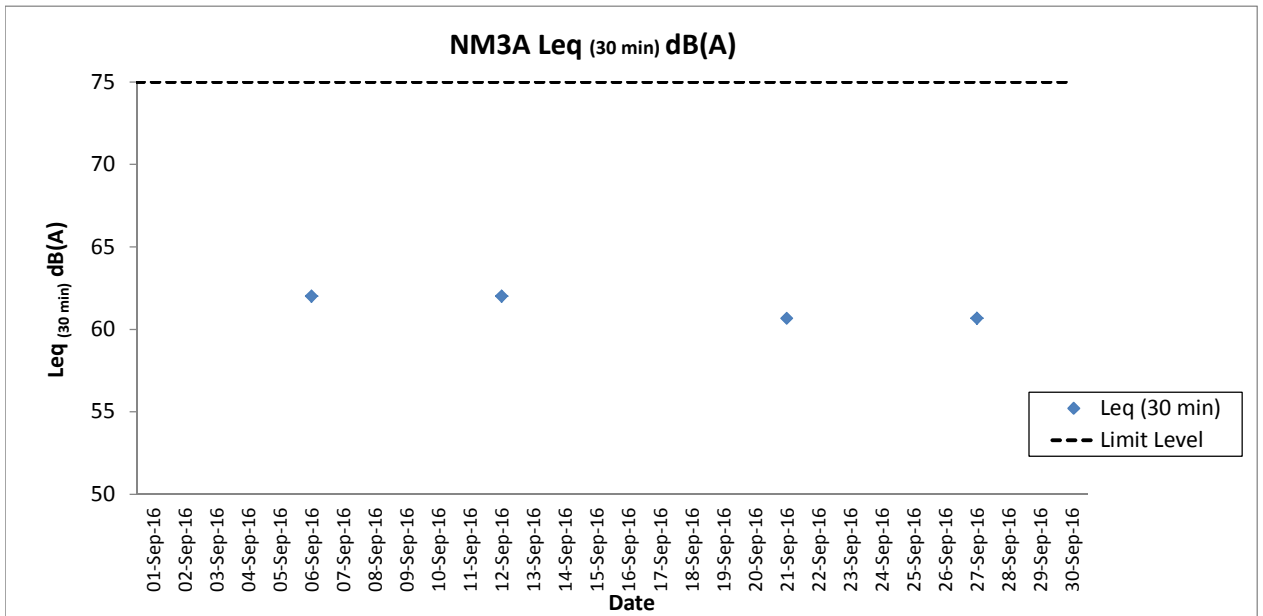
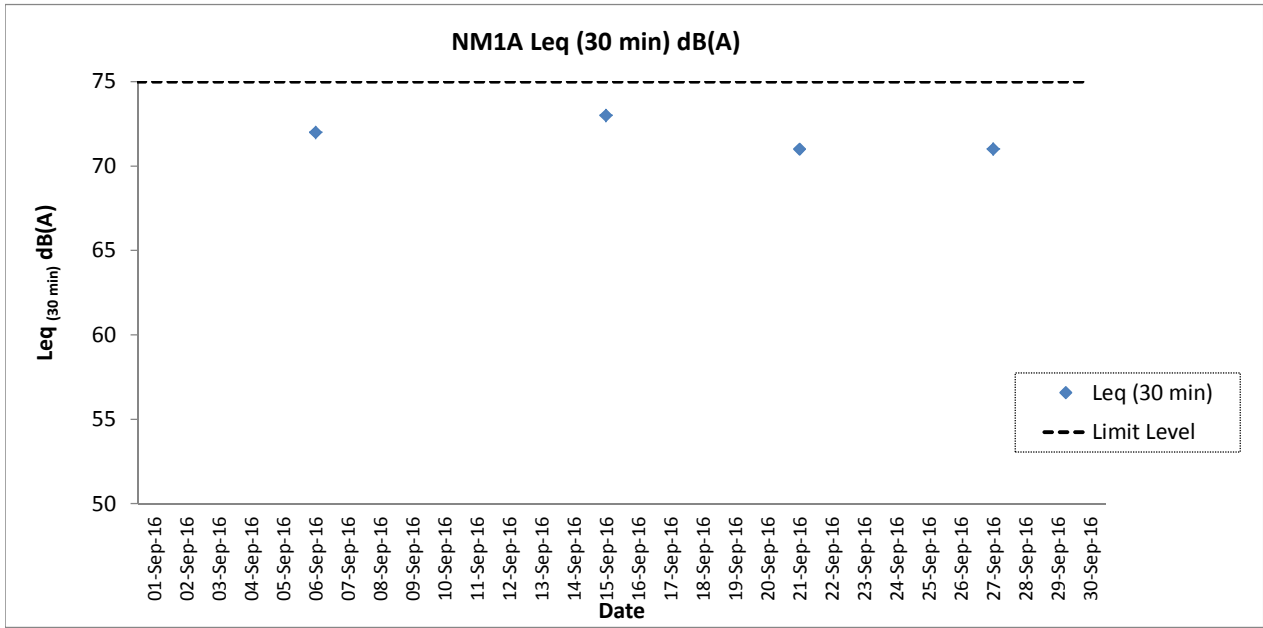
Noise Measurement Results

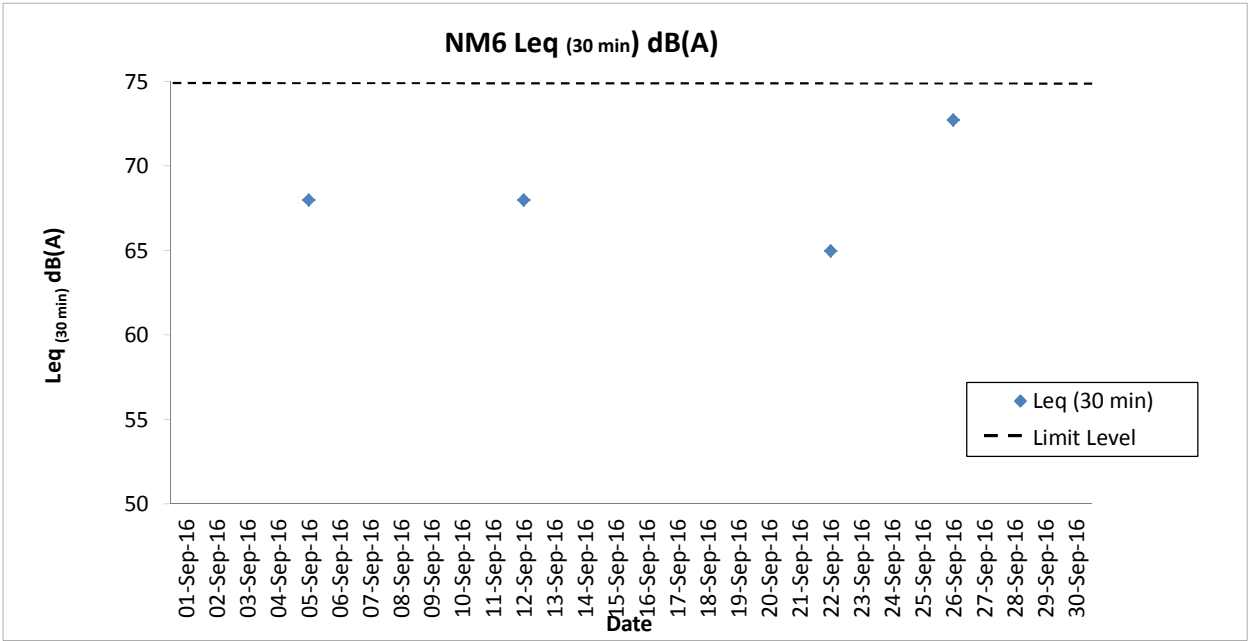
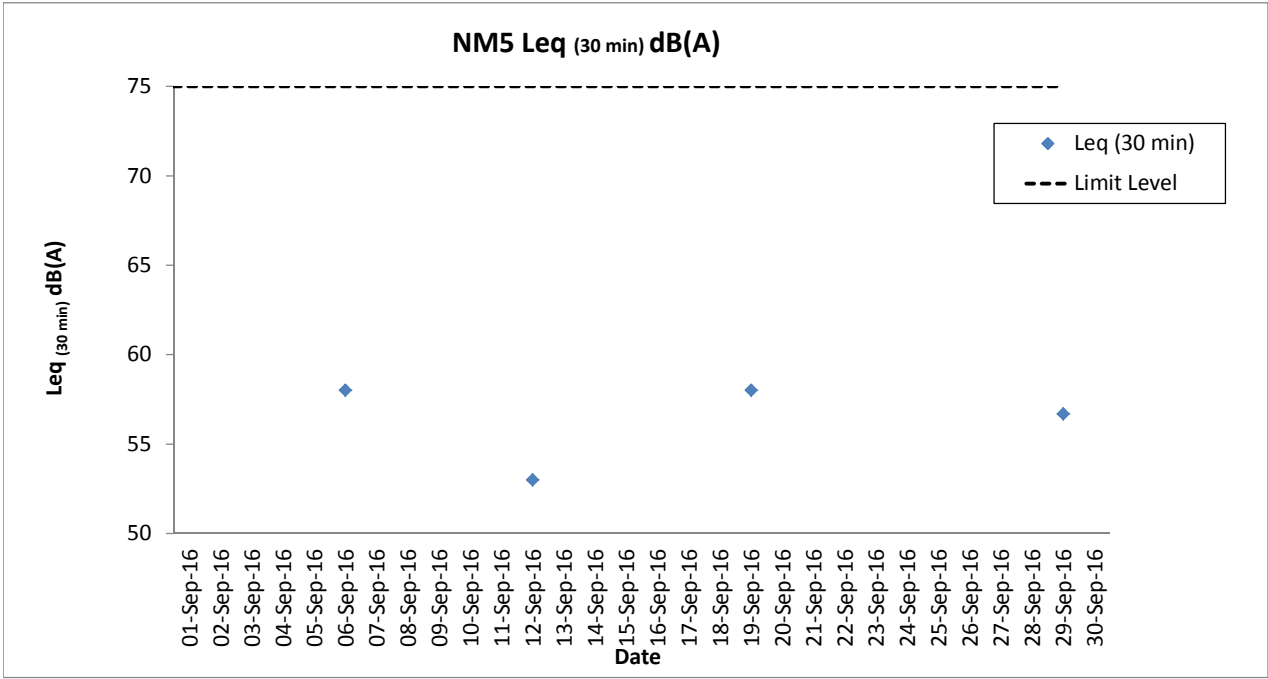
Station: NM6- House No.1 Sha Lo Wan

| Date | Weather | Time | Measured L ₁₀ dB(A) | Measured L ₉₀ dB(A) | L _{eq(30mins)} dB(A) |
|-----------|---------|-------|-----------------------------------|-----------------------------------|-------------------------------|
| 05-Sep-16 | Cloudy | 09:38 | 69.0 | 54.5 | 68 |
| 05-Sep-16 | Cloudy | 09:43 | 66.0 | 54.0 | |
| 05-Sep-16 | Cloudy | 09:48 | 69.0 | 54.0 | |
| 05-Sep-16 | Cloudy | 09:53 | 65.0 | 53.5 | |
| 05-Sep-16 | Cloudy | 09:58 | 65.0 | 56.0 | |
| 05-Sep-16 | Cloudy | 10:03 | 68.5 | 56.5 | |
| 12-Sep-16 | Sunny | 10:00 | 68.5 | 54.5 | 68 |
| 12-Sep-16 | Sunny | 10:05 | 69.0 | 54.0 | |
| 12-Sep-16 | Sunny | 10:10 | 69.5 | 53.5 | |
| 12-Sep-16 | Sunny | 10:15 | 62.5 | 54.0 | |
| 12-Sep-16 | Sunny | 10:20 | 69.5 | 53.5 | |
| 12-Sep-16 | Sunny | 10:25 | 68.0 | 52.5 | |
| 22-Sep-16 | Sunny | 09:42 | 65.5 | 53.5 | 65 |
| 22-Sep-16 | Sunny | 09:47 | 64.5 | 53.0 | |
| 22-Sep-16 | Sunny | 09:52 | 64.5 | 52.0 | |
| 22-Sep-16 | Sunny | 09:57 | 62.5 | 51.5 | |
| 22-Sep-16 | Sunny | 10:02 | 64.5 | 54.5 | |
| 22-Sep-16 | Sunny | 10:07 | 66.0 | 52.0 | |
| 26-Sep-16 | Sunny | 09:43 | 75.5 | 58.5 | 73 |
| 26-Sep-16 | Sunny | 09:48 | 74.5 | 56.5 | |
| 26-Sep-16 | Sunny | 09:53 | 77.5 | 56.0 | |
| 26-Sep-16 | Sunny | 09:58 | 76.5 | 53.5 | |
| 26-Sep-16 | Sunny | 10:03 | 75.5 | 53.5 | |
| 26-Sep-16 | Sunny | 10:08 | 75.0 | 50.5 | |

Remarks:

+3dB (A) correction was applied to free-field measurement.





Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 01 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|-------------------------|-----|----------------|------|-------------------------|----|------------------------|----|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|-----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Cloudy | Moderate | 06:26 | 8.3 | Surface | 1.0 | 0.5 | 40 | 27.6 | 27.6 | 7.9 | 7.9 | 27.4 | 27.4 | 70.9 | 70.8 | 4.8 | 4.7 | 11.5 | 31.9 | 5 | 28 | 74 | 81 | 815629 | 804252 | <0.2 | <0.2 | 1.5 | 1.1 | | | | |
| | | | | | | 1.0 | 0.5 | 42 | 27.6 | 27.6 | 7.9 | 7.9 | 27.3 | 27.4 | 70.7 | 70.8 | 4.8 | 4.7 | 12.6 | 31.9 | 3 | 28 | 77 | 81 | 815629 | 804252 | <0.2 | <0.2 | 1.4 | 1.1 | | | | |
| | | | | | | 4.2 | 0.6 | 42 | 27.5 | 27.5 | 7.9 | 7.9 | 28.7 | 28.7 | 69.1 | 69.2 | 4.6 | 4.7 | 26.7 | 31.9 | 25 | 28 | 80 | 81 | 815629 | 804252 | <0.2 | <0.2 | 1.0 | 1.1 | | | | |
| | | | | | Middle | 4.2 | 0.6 | 43 | 27.5 | 27.5 | 7.9 | 7.9 | 28.7 | 28.7 | 69.2 | 69.2 | 4.6 | 4.7 | 27.0 | 31.9 | 26 | 28 | 82 | 28 | 82 | 81 | 815629 | 804252 | <0.2 | <0.2 | 0.9 | 1.1 | | |
| | | | | | | 7.3 | 0.6 | 46 | 27.5 | 27.5 | 7.9 | 7.9 | 28.9 | 28.9 | 69.3 | 69.4 | 4.6 | 4.7 | 58.3 | 31.9 | 55 | 28 | 85 | 28 | 85 | 81 | 815629 | 804252 | <0.2 | <0.2 | 0.8 | 1.1 | | |
| | | | | | | 7.3 | 0.6 | 47 | 27.5 | 27.5 | 7.9 | 7.9 | 28.9 | 28.9 | 69.5 | 69.4 | 4.7 | 4.7 | 55.2 | 31.9 | 53 | 28 | 89 | 28 | 89 | 81 | 815629 | 804252 | <0.2 | <0.2 | 0.8 | 1.1 | | |
| C2 | Rainy | Moderate | 07:05 | 13.2 | Surface | 1.0 | 0.5 | 254 | 26.5 | 26.5 | 7.8 | 7.8 | 20.1 | 20.1 | 70.0 | 70.0 | 5.0 | 4.7 | 4.7 | 10.6 | 3 | 5 | 83 | 89 | 825680 | 806957 | <0.2 | <0.2 | 1.4 | 1.9 | | | | |
| | | | | | | 1.0 | 0.5 | 255 | 26.5 | 26.5 | 7.8 | 7.8 | 20.1 | 20.1 | 70.0 | 70.0 | 5.0 | 4.7 | 4.8 | 10.6 | 3 | 5 | 85 | 89 | 825680 | 806957 | <0.2 | <0.2 | 2.5 | 1.9 | | | | |
| | | | | | | 6.6 | 1.0 | 284 | 26.2 | 26.2 | 7.8 | 7.8 | 24.6 | 24.6 | 62.8 | 62.9 | 4.4 | 4.7 | 9.5 | 10.6 | 5 | 5 | 92 | 5 | 92 | 89 | 825680 | 806957 | <0.2 | <0.2 | 2.2 | 1.9 | | |
| | | | | | Middle | 6.6 | 1.0 | 307 | 26.2 | 26.2 | 7.8 | 7.8 | 24.6 | 24.6 | 62.9 | 62.9 | 4.4 | 4.7 | 9.6 | 10.6 | 4 | 5 | 90 | 5 | 90 | 89 | 825680 | 806957 | <0.2 | <0.2 | 2.0 | 1.9 | | |
| | | | | | | 12.2 | 0.5 | 279 | 26.1 | 26.1 | 7.8 | 7.8 | 25.4 | 25.4 | 65.9 | 66.0 | 4.6 | 4.6 | 17.4 | 10.6 | 6 | 5 | 93 | 5 | 93 | 89 | 825680 | 806957 | <0.2 | <0.2 | 1.6 | 1.9 | | |
| | | | | | | 12.2 | 0.6 | 292 | 26.1 | 26.1 | 7.8 | 7.8 | 25.4 | 25.4 | 66.1 | 66.0 | 4.6 | 4.6 | 17.4 | 10.6 | 8 | 5 | 92 | 5 | 92 | 89 | 825680 | 806957 | <0.2 | <0.2 | 1.4 | 1.9 | | |
| C3 | Rainy | Moderate | 05:09 | 12.3 | Surface | 1.0 | 0.5 | 275 | 26.0 | 26.0 | 7.9 | 7.9 | 24.3 | 24.3 | 69.4 | 69.4 | 4.9 | 4.7 | 5.7 | 8.8 | 5 | 6 | 83 | 87 | 822125 | 817800 | <0.2 | <0.2 | 1.8 | 1.8 | | | | |
| | | | | | | 1.0 | 0.5 | 292 | 26.0 | 26.0 | 7.9 | 7.9 | 24.3 | 24.3 | 69.3 | 69.4 | 4.9 | 4.7 | 5.8 | 8.8 | 3 | 6 | 82 | 6 | 82 | 87 | 822125 | 817800 | <0.2 | <0.2 | 1.7 | 1.8 | | |
| | | | | | | 6.2 | 0.5 | 254 | 25.6 | 25.6 | 7.9 | 7.9 | 27.2 | 27.2 | 64.0 | 64.0 | 4.5 | 4.7 | 10.7 | 8.8 | 4 | 6 | 85 | 6 | 85 | 87 | 822125 | 817800 | <0.2 | <0.2 | 2.3 | 1.8 | | |
| | | | | | Middle | 6.2 | 0.5 | 278 | 25.6 | 25.6 | 7.9 | 7.9 | 27.2 | 27.2 | 64.0 | 64.0 | 4.5 | 4.7 | 10.8 | 8.8 | 4 | 6 | 87 | 6 | 87 | 87 | 822125 | 817800 | <0.2 | <0.2 | 2.0 | 1.8 | | |
| | | | | | | 11.3 | 0.4 | 178 | 25.6 | 25.6 | 7.9 | 7.9 | 27.3 | 27.3 | 65.4 | 65.4 | 4.6 | 4.6 | 10.0 | 8.8 | 9 | 6 | 91 | 6 | 91 | 87 | 822125 | 817800 | <0.2 | <0.2 | 1.7 | 1.8 | | |
| | | | | | | 11.3 | 0.4 | 186 | 25.6 | 25.6 | 7.9 | 7.9 | 27.3 | 27.3 | 65.4 | 65.4 | 4.6 | 4.6 | 10.0 | 8.8 | 8 | 6 | 92 | 6 | 92 | 87 | 822125 | 817800 | <0.2 | <0.2 | 1.4 | 1.8 | | |
| IM1 | Cloudy | Moderate | 06:45 | 7.6 | Surface | 1.0 | 0.7 | 45 | 27.9 | 27.9 | 7.8 | 7.8 | 24.1 | 24.1 | 71.9 | 72.0 | 4.9 | 5.0 | 3.1 | 8.1 | 4 | 9 | 80 | 82 | 818366 | 806438 | <0.2 | <0.2 | 1.8 | 1.6 | | | | |
| | | | | | | 1.0 | 0.7 | 48 | 27.9 | 27.9 | 7.8 | 7.8 | 24.0 | 24.1 | 72.0 | 73.5 | 4.9 | 5.0 | 3.5 | 8.1 | 4 | 9 | 77 | 9 | 77 | 82 | 818366 | 806438 | <0.2 | <0.2 | 1.6 | 1.6 | | |
| | | | | | | 3.8 | 0.6 | 20 | 27.8 | 27.8 | 7.8 | 7.8 | 26.1 | 26.1 | 73.4 | 73.5 | 5.0 | 5.0 | 7.4 | 8.1 | 5 | 9 | 78 | 9 | 78 | 82 | 818366 | 806438 | <0.2 | <0.2 | 2.0 | 1.6 | | |
| | | | | | Middle | 3.8 | 0.6 | 20 | 27.8 | 27.8 | 7.8 | 7.8 | 26.1 | 26.1 | 73.5 | 73.5 | 5.0 | 5.0 | 8.3 | 8.1 | 6 | 9 | 82 | 9 | 82 | 82 | 818366 | 806438 | <0.2 | <0.2 | 1.2 | 1.6 | | |
| | | | | | | 6.6 | 0.5 | 115 | 27.8 | 27.8 | 7.9 | 7.9 | 27.3 | 27.3 | 77.1 | 78.8 | 5.2 | 5.3 | 13.2 | 8.1 | 18 | 9 | 87 | 9 | 87 | 82 | 818366 | 806438 | <0.2 | <0.2 | 1.2 | 1.6 | | |
| | | | | | | 6.6 | 0.5 | 116 | 27.8 | 27.8 | 7.9 | 7.9 | 27.3 | 27.3 | 80.4 | 78.8 | 5.4 | 5.3 | 12.9 | 8.1 | 16 | 9 | 88 | 9 | 88 | 82 | 818366 | 806438 | <0.2 | <0.2 | 1.9 | 1.6 | | |
| IM2 | Cloudy | Moderate | 06:56 | 8.3 | Surface | 1.0 | 0.7 | 31 | 27.9 | 27.9 | 7.8 | 7.8 | 23.9 | 24.0 | 69.4 | 69.3 | 4.8 | 4.8 | 4.9 | 14.2 | 3 | 12 | 72 | 80 | 818871 | 806207 | <0.2 | <0.2 | 2.0 | 1.8 | | | | |
| | | | | | | 1.0 | 0.7 | 32 | 27.9 | 27.9 | 7.8 | 7.8 | 24.0 | 24.0 | 69.2 | 69.3 | 4.8 | 4.8 | 5.2 | 14.2 | 4 | 12 | 74 | 80 | 818871 | 806207 | <0.2 | <0.2 | 2.1 | 1.8 | | | | |
| | | | | | | 4.2 | 0.7 | 38 | 27.9 | 27.9 | 7.8 | 7.8 | 25.4 | 25.4 | 69.7 | 70.0 | 4.8 | 4.8 | 13.5 | 14.2 | 5 | 12 | 80 | 80 | 818871 | 806207 | <0.2 | <0.2 | 1.4 | 1.8 | | | | |
| | | | | | Middle | 4.2 | 0.7 | 40 | 27.9 | 27.9 | 7.8 | 7.8 | 25.3 | 25.4 | 70.3 | 70.0 | 4.8 | 4.8 | 14.6 | 14.2 | 5 | 12 | 81 | 80 | 81 | 80 | 818871 | 806207 | <0.2 | <0.2 | 2.4 | 1.8 | | |
| | | | | | | 7.3 | 0.5 | 79 | 27.7 | 27.7 | 7.9 | 7.9 | 27.7 | 27.7 | 73.0 | 73.1 | 4.9 | 4.9 | 23.7 | 14.2 | 28 | 12 | 84 | 80 | 84 | 80 | 818871 | 806207 | <0.2 | <0.2 | 1.2 | 1.8 | | |
| | | | | | | 7.3 | 0.6 | 86 | 27.7 | 27.7 | 7.9 | 7.9 | 27.7 | 27.7 | 73.1 | 73.1 | 4.9 | 4.9 | 23.5 | 14.2 | 27 | 12 | 86 | 80 | 86 | 80 | 818871 | 806207 | <0.2 | <0.2 | 1.4 | 1.8 | | |
| IM3 | Cloudy | Moderate | 07:05 | 8.1 | Surface | 1.0 | 0.7 | 58 | 27.9 | 27.9 | 7.8 | 7.8 | 23.7 | 23.7 | 69.8 | 69.8 | 4.8 | 4.8 | 2.8 | 9.5 | 5 | 7 | 75 | 79 | 819407 | 806010 | <0.2 | <0.2 | 0.8 | 1.5 | | | | |
| | | | | | | 1.0 | 0.8 | 59 | 27.9 | 27.9 | 7.8 | 7.8 | 23.7 | 23.7 | 69.8 | 69.8 | 4.8 | 4.8 | 3.0 | 9.5 | 4 | 7 | 75 | 79 | 819407 | 806010 | <0.2 | <0.2 | 0.7 | 1.5 | | | | |
| | | | | | | 4.1 | 0.7 | 47 | 27.9 | 27.9 | 7.8 | 7.8 | 24.9 | 24.9 | 68.4 | 68.5 | 4.7 | 4.7 | 8.9 | 9.5 | 5 | 7 | 77 | 79 | 77 | 79 | 819407 | 806010 | <0.2 | <0.2 | 2.3 | 1.5 | | |
| | | | | | Middle | 4.1 | 0.7 | 47 | 27.8 | 27.8 | 7.8 | 7.8 | 24.8 | 24.9 | 68.5 | 68.5 | 4.7 | 4.7 | 9.9 | 9.5 | 4 | 7 | 79 | 79 | 79 | 79 | 819407 | 806010 | <0.2 | <0.2 | 2.0 | 1.5 | | |
| | | | | | | 7.1 | 0.6 | 48 | 27.6 | 27.6 | 7.9 | 7.9 | 27.9 | 27.9 | 69.5 | 69.9 | 4.7 | 4.7 | 17.1 | 9.5 | 11 | 7 | 82 | 79 | 82 | 79 | 819407 | 806010 | <0.2 | <0.2 | 1.8 | 1.5 | | |
| | | | | | | 7.1 | 0.6 | 48 | 27.7 | 27.7 | 7.9 | 7.9 | 27.8 | 27.9 | 70.2 | 69.9 | 4.7 | 4.7 | 15.4 | 9.5 | 10 | 7 | 84 | 79 | 84 | 79 | 819407 | 806010 | <0.2 | <0.2 | 1.6 | 1.5 | | |
| IM4 | Fine | Moderate | 07:15 | 8.4 | Surface | 1.0 | 0.6 | 24 | 27.8 | 27.8 | 7.8 | 7.8 | 23.7 | 23.7 | 73.2 | 73.2 | 5.0 | 4.9 | 6.4 | 25.3 | 5 | 16 | 78 | 81 | 819550 | 805052 | <0.2 | <0.2 | 1.7 | 1.6 | | | | |
| | | | | | | 1.0 | 0.7 | 24 | 27.8 | 27.8 | 7.8 | 7.8 | 23.6 | 23.7 | 73.1 | 73.2 | 5.0 | 4.9 | 6.6 | 25.3 | 4 | 16 | 76 | 81 | 76 | 81 | 819550 | 805052 | <0.2 | <0.2 | 2.0 | 1.6 | | |
| | | | | | | 4.2 | 0.7 | 30 | 27.8 | 27.8 | 7.8 | 7.8 | 26.0 | 25.9 | 70.5 | 70.7 | 4.8 | 4.9 | 18.2 | 25.3 | 5 | 16 | 79 | 81 | 79 | 81 | 819550 | 805052 | <0.2 | <0.2 | 1.7 | 1.6 | | |
| | | | | | Middle | 4.2 | 0.8 | 32 | 27.8 | 27.8 | 7.8 | 7.8 | 25.8 | 25.9 | 70.8 | 70.7 | 4.8 | 4.8 | 20.4 | 25.3 | 6 | 16 | 81 | 81 | 81 | 81 | 819550 | 805052 | <0.2 | <0.2 | 1.6 | 1.6 | | |
| | | | | | | 7.4 | 0.5 | 31 | 27.6 | 27.6 | 7.9 | 7.9 | 28.3 | 28.3 | 69.4 | 70.0 | 4.7 | 4.8 | 50.3 | 25.3 | 37 | 16 | 84 | 81 | 84 | 81 | 819550 | 805052 | <0.2 | <0.2 | 1.2 | 1.6 | | |
| | | | | | | 7.4 | 0.5 | 31 | 27.6 | 27.6 | 7.9 | 7.9 | 28.3 | 28.3 | 70.5 | 70.0 | 4.8 | 4.8 | 49.7 | 25.3 | 37 | 16 | 87 | 81 | 87 | 81 | 819550 | 805052 | <0.2 | <0.2 | 1.2 | 1.6 | | |
| IM5 | Fine | Moderate | 07:23 | 7.2 | Surface | 1.0 | 0.6 | 70 | 27.7 | 27.7 | 7.8 | 7.8 | 22.6 | 22.6 | 75.5 | 75.2 | 5.2 | 5.0 | 5.0 | 21.8 | 5 | 6 | 75 | 80 | 820579 | 804937 | <0.2 | <0.2 | 2.4 | 2.0 | | | | |
| | | | | | | 1.0 | 0.7 | 71 | 27.7 | | | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 01 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|----------------|------|-------------------------|------|------------------------|--------|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Moderate | 06:17 | 7.7 | Surface | 1.0 | 0.3 | 224 | 26.5 | 26.5 | 7.8 | 7.8 | 20.3 | 20.3 | 69.3 | 69.3 | 5.0 | 4.8 | 5.2 | 4 | 82 | 88 | 822109 | 808791 | <0.2 | <0.2 | 2.9 | 2.2 | | | | |
| | | | | | | 1.0 | 0.4 | 242 | 26.5 | 26.5 | 7.8 | 7.8 | 20.3 | 20.3 | 69.3 | 69.3 | 5.0 | 4.8 | 5.2 | 3 | 83 | 88 | 822109 | 808791 | <0.2 | <0.2 | 3.0 | 2.2 | | | | |
| | | | | | Middle | 3.9 | 0.6 | 238 | 26.4 | 26.4 | 7.8 | 7.8 | 23.5 | 23.5 | 64.4 | 64.4 | 4.6 | 4.5 | 9.6 | 9.4 | 5 | 89 | 88 | 822109 | 808791 | <0.2 | <0.2 | 1.2 | 2.2 | | | |
| | | | | | | 3.9 | 0.6 | 261 | 26.4 | 26.4 | 7.8 | 7.8 | 23.5 | 23.5 | 64.4 | 64.4 | 4.6 | 4.5 | 9.8 | 9.4 | 3 | 90 | 88 | 822109 | 808791 | <0.2 | <0.2 | 1.8 | 2.2 | | | |
| | | | | | Bottom | 6.7 | 0.5 | 248 | 26.4 | 26.4 | 7.8 | 7.8 | 24.4 | 24.4 | 64.5 | 64.5 | 4.5 | 4.5 | 13.3 | 4.5 | 4 | 91 | 88 | 822109 | 808791 | <0.2 | <0.2 | 2.1 | 2.2 | | | |
| | | | | | | 6.7 | 0.5 | 249 | 26.4 | 26.4 | 7.8 | 7.8 | 24.4 | 24.4 | 64.5 | 64.5 | 4.5 | 4.5 | 13.3 | 4.5 | 4 | 92 | 88 | 822109 | 808791 | <0.2 | <0.2 | 2.1 | 2.2 | | | |
| IM10 | Cloudy | Moderate | 06:10 | 8.7 | Surface | 1.0 | 0.3 | 236 | 26.4 | 26.4 | 7.8 | 7.8 | 22.0 | 22.0 | 67.4 | 67.4 | 4.8 | 4.7 | 5.8 | 3 | 83 | 89 | 822234 | 809846 | <0.2 | <0.2 | 2.6 | 2.4 | | | | |
| | | | | | | 1.0 | 0.4 | 249 | 26.4 | 26.4 | 7.8 | 7.8 | 22.0 | 22.0 | 67.3 | 67.4 | 4.8 | 4.7 | 6.0 | 4 | 87 | 89 | 822234 | 809846 | <0.2 | <0.2 | 2.7 | 2.4 | | | | |
| | | | | | Middle | 4.4 | 0.5 | 277 | 26.3 | 26.3 | 7.8 | 7.8 | 23.9 | 23.9 | 65.9 | 65.9 | 4.6 | 4.7 | 9.1 | 9.4 | 4 | 89 | 89 | 822234 | 809846 | <0.2 | <0.2 | 2.0 | 2.4 | | | |
| | | | | | | 4.4 | 0.6 | 292 | 26.3 | 26.3 | 7.8 | 7.8 | 23.9 | 23.9 | 65.9 | 65.9 | 4.7 | 4.7 | 9.3 | 9.4 | 3 | 90 | 89 | 822234 | 809846 | <0.2 | <0.2 | 2.1 | 2.4 | | | |
| | | | | | Bottom | 7.7 | 0.5 | 285 | 26.3 | 26.3 | 7.9 | 7.9 | 24.4 | 24.4 | 67.4 | 67.4 | 4.7 | 4.7 | 13.2 | 4.7 | 4 | 92 | 89 | 822234 | 809846 | <0.2 | <0.2 | 2.4 | 2.4 | | | |
| | | | | | | 7.7 | 0.6 | 306 | 26.3 | 26.3 | 7.9 | 7.9 | 24.4 | 24.4 | 67.4 | 67.4 | 4.7 | 4.7 | 13.2 | 4.7 | 5 | 92 | 89 | 822234 | 809846 | <0.2 | <0.2 | 2.3 | 2.4 | | | |
| IM11 | Cloudy | Moderate | 06:03 | 7.7 | Surface | 1.0 | 0.5 | 263 | 26.3 | 26.3 | 7.8 | 7.8 | 22.5 | 22.5 | 68.4 | 68.4 | 4.9 | 4.9 | 5.1 | 4 | 84 | 89 | 821489 | 810557 | <0.2 | <0.2 | 2.1 | 2.2 | | | | |
| | | | | | | 1.0 | 0.5 | 276 | 26.3 | 26.3 | 7.8 | 7.8 | 22.4 | 22.5 | 68.4 | 68.4 | 4.9 | 4.9 | 5.2 | 5 | 85 | 89 | 821489 | 810557 | <0.2 | <0.2 | 2.2 | 2.2 | | | | |
| | | | | | Middle | 3.9 | 0.5 | 282 | 26.3 | 26.3 | 7.9 | 7.9 | 23.0 | 23.0 | 68.8 | 68.9 | 4.9 | 4.9 | 6.2 | 6.9 | 6 | 90 | 89 | 821489 | 810557 | <0.2 | <0.2 | 2.0 | 2.2 | | | |
| | | | | | | 3.9 | 0.6 | 282 | 26.3 | 26.3 | 7.9 | 7.9 | 23.0 | 23.0 | 68.9 | 68.9 | 4.9 | 4.9 | 6.3 | 6.9 | 5 | 89 | 89 | 821489 | 810557 | <0.2 | <0.2 | 2.8 | 2.2 | | | |
| | | | | | Bottom | 6.7 | 0.5 | 288 | 26.3 | 26.3 | 7.9 | 7.9 | 23.9 | 23.9 | 72.6 | 72.6 | 5.1 | 5.1 | 9.2 | 5.1 | 5 | 93 | 89 | 821489 | 810557 | <0.2 | <0.2 | 1.9 | 2.2 | | | |
| | | | | | | 6.7 | 0.5 | 291 | 26.3 | 26.3 | 7.9 | 7.9 | 23.9 | 23.9 | 72.6 | 72.6 | 5.1 | 5.1 | 9.2 | 5.1 | 6 | 92 | 89 | 821489 | 810557 | <0.2 | <0.2 | 2.1 | 2.2 | | | |
| IM12 | Cloudy | Moderate | 05:55 | 7.6 | Surface | 1.0 | 0.6 | 287 | 26.3 | 26.3 | 7.9 | 7.9 | 22.7 | 22.7 | 69.3 | 69.3 | 4.9 | 4.9 | 6.4 | 3 | 83 | 88 | 821148 | 811517 | <0.2 | <0.2 | 2.5 | 2.1 | | | | |
| | | | | | | 1.0 | 0.6 | 296 | 26.3 | 26.3 | 7.9 | 7.9 | 22.7 | 22.7 | 69.3 | 69.3 | 4.9 | 4.9 | 6.4 | 4 | 83 | 88 | 821148 | 811517 | <0.2 | <0.2 | 2.3 | 2.1 | | | | |
| | | | | | Middle | 3.8 | 0.7 | 285 | 26.3 | 26.3 | 7.9 | 7.9 | 23.0 | 23.0 | 69.6 | 69.6 | 4.9 | 4.9 | 9.1 | 11.6 | 4 | 90 | 88 | 821148 | 811517 | <0.2 | <0.2 | 2.4 | 2.1 | | | |
| | | | | | | 3.8 | 0.7 | 289 | 26.3 | 26.3 | 7.9 | 7.9 | 23.0 | 23.0 | 69.6 | 69.6 | 4.9 | 4.9 | 9.1 | 11.6 | 4 | 89 | 88 | 821148 | 811517 | <0.2 | <0.2 | 1.8 | 2.1 | | | |
| | | | | | Bottom | 6.6 | 0.7 | 285 | 26.2 | 26.2 | 7.9 | 7.9 | 25.1 | 25.1 | 69.7 | 69.7 | 4.9 | 4.9 | 19.3 | 4.9 | 8 | 91 | 88 | 821148 | 811517 | <0.2 | <0.2 | 1.8 | 2.1 | | | |
| | | | | | | 6.6 | 0.8 | 298 | 26.2 | 26.2 | 7.9 | 7.9 | 25.1 | 25.1 | 69.7 | 69.7 | 4.9 | 4.9 | 19.3 | 4.9 | 8 | 92 | 88 | 821148 | 811517 | <0.2 | <0.2 | 1.8 | 2.1 | | | |
| SR2 | Cloudy | Moderate | 05:32 | 4.7 | Surface | 1.0 | 0.2 | 218 | 26.3 | 26.3 | 7.8 | 7.8 | 21.5 | 21.5 | 72.0 | 72.0 | 5.2 | 5.2 | 6.0 | 2 | 83 | 86 | 821466 | 814169 | <0.2 | <0.2 | 2.8 | 2.5 | | | | |
| | | | | | | 1.0 | 0.2 | 227 | 26.3 | 26.3 | 7.8 | 7.8 | 21.5 | 21.5 | 71.9 | 72.0 | 5.1 | 5.1 | 6.1 | 2 | 83 | 86 | 821466 | 814169 | <0.2 | <0.2 | 3.1 | 2.5 | | | | |
| | | | | | Middle | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.2 | - | 11.6 | - | 7 | - | 86 | 821466 | 814169 | <0.2 | <0.2 | - | 2.5 |
| | | | | | | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.2 | - | 11.6 | - | 7 | - | 86 | 821466 | 814169 | <0.2 | <0.2 | - | 2.5 |
| | | | | | Bottom | 3.7 | 0.3 | 134 | 26.0 | 26.0 | 7.9 | 7.9 | 26.3 | 26.3 | 68.5 | 68.5 | 4.8 | 4.8 | 17.1 | 4.8 | 12 | 90 | 86 | 821466 | 814169 | <0.2 | <0.2 | 2.0 | 2.5 | | | |
| | | | | | | 3.7 | 0.3 | 146 | 26.0 | 26.0 | 7.9 | 7.9 | 26.3 | 26.3 | 68.5 | 68.5 | 4.8 | 4.8 | 17.2 | 4.8 | 12 | 89 | 86 | 821466 | 814169 | <0.2 | <0.2 | 1.9 | 2.5 | | | |
| SR3 | Cloudy | Moderate | 06:32 | 9.3 | Surface | 1.0 | 0.4 | 206 | 26.5 | 26.5 | 7.8 | 7.8 | 21.9 | 21.9 | 64.0 | 64.0 | 4.6 | 4.5 | 6.4 | 4 | - | - | 822128 | 807562 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.4 | 214 | 26.5 | 26.5 | 7.8 | 7.8 | 21.9 | 21.9 | 64.0 | 64.0 | 4.6 | 4.5 | 6.5 | 4 | - | - | 822128 | 807562 | - | - | - | - | | | | |
| | | | | | Middle | 4.7 | 0.4 | 216 | 26.3 | 26.3 | 7.8 | 7.8 | 24.2 | 24.2 | 63.0 | 63.0 | 4.4 | 4.6 | 11.5 | 9.9 | 6 | - | - | - | - | 822128 | 807562 | - | - | - | - | |
| | | | | | | 4.7 | 0.5 | 227 | 26.3 | 26.3 | 7.8 | 7.8 | 24.2 | 24.2 | 63.0 | 63.0 | 4.4 | 4.6 | 11.6 | 9.9 | 6 | - | - | - | - | 822128 | 807562 | - | - | - | - | |
| | | | | | Bottom | 8.3 | 0.7 | 218 | 26.3 | 26.3 | 7.8 | 7.8 | 24.3 | 24.3 | 64.8 | 64.9 | 4.6 | 4.6 | 11.8 | 4.6 | 11 | - | - | - | - | 822128 | 807562 | - | - | - | - | |
| | | | | | | 8.3 | 0.8 | 224 | 26.3 | 26.3 | 7.8 | 7.8 | 24.3 | 24.3 | 64.9 | 64.9 | 4.6 | 4.6 | 11.8 | 4.6 | 10 | - | - | - | - | 822128 | 807562 | - | - | - | - | |
| SR4A | Cloudy | Calm | 06:00 | 9.1 | Surface | 1.0 | 0.4 | 247 | 27.9 | 27.9 | 7.8 | 7.8 | 26.8 | 26.8 | 73.8 | 73.7 | 5.0 | 5.0 | 6.7 | 9 | - | - | 817207 | 807792 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.4 | 265 | 27.9 | 27.9 | 7.8 | 7.8 | 26.8 | 26.8 | 73.6 | 73.7 | 5.0 | 5.0 | 6.7 | 8 | - | - | - | - | 817207 | 807792 | - | - | - | - | | |
| | | | | | Middle | 4.6 | 0.4 | 248 | 27.9 | 27.9 | 7.8 | 7.8 | 27.1 | 27.1 | 72.5 | 72.5 | 4.9 | 4.9 | 7.2 | 7.8 | 10 | - | - | - | - | 817207 | 807792 | - | - | - | - | |
| | | | | | | 4.6 | 0.4 | 248 | 27.9 | 27.9 | 7.8 | 7.8 | 27.1 | 27.1 | 72.5 | 72.5 | 4.9 | 4.9 | 7.9 | 7.8 | 10 | - | - | - | - | 817207 | 807792 | - | - | - | - | |
| | | | | | Bottom | 8.1 | 0.3 | 252 | 27.8 | 27.8 | 7.8 | 7.8 | 27.3 | 27.3 | 74.4 | 75.1 | 5.0 | 5.1 | 8.9 | 5.1 | 15 | - | - | - | - | 817207 | 807792 | - | - | - | - | |
| | | | | | | 8.1 | 0.3 | 255 | 27.8 | 27.8 | 7.8 | 7.8 | 27.3 | 27.3 | 75.7 | 75.1 | 5.1 | 5.1 | 8.5 | 5.1 | 15 | - | - | - | - | 817207 | 807792 | - | - | - | - | |
| SR5A | Cloudy | Calm | 05:40 | 4.9 | Surface | 1.0 | 0.2 | 285 | 28.1 | 28.1 | 7.8 | 7.8 | 27.0 | 27.0 | 77.3 | 77.3 | 5.2 | 5.2 | 6.2 | 7 | - | - | 816611 | 810699 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.2 | 285 | 28.0 | 28.0 | 7.8 | 7.8 | 27.0 | 27.0 | 77.3 | 77.3 | 5.2 | 5.2 | 6.4 | 8 | - | - | - | - | 816611 | 810699 | - | - | - | - | | |
| | | | | | Middle | 2.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.2 | - | 8.0 | - | 9 | - | 816611 | 810699 | - | - | - | - | |
| | | | | | | 2.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.2 | - | 8.0 | - | 9 | - | 816611 | 810699 | - | - | - | - | |
| | | | | | Bottom | 3.9 | 0.2 | 285 | 28.1 | 28.1 | 7.8 | 7.8 | 27.5 | 27.5 | 79.0 | 79.8 | 5.3 | 5.4 | 10.1 | 5.4 | 10 | - | - | - | - | 816611 | 810699 | - | - | - | - | |
| | | | | | | 3.9 | 0.2 | 299 | 28.1 | 28.1 | 7.8 | 7.8 | 27.4 | 27.4 | 80.6 | 80.6 | 5.4 | 5.4 | 9.4 | 5.4 | 9 | - | - | - | - | 816611 | 810699 | - | - | - | - | |
| SR6 | Cloudy | Calm | 05:12 | 4.2 | Surface | 1.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 01 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|------|-----------------|----|-------------------------|--------|------------------------|------|-------------------------------|------------------------------|-----------------|----|---------------|----|-------|----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Fine | Calm | 12:53 | 8.0 | Surface | 1.0 | 0.5 | 229 | 27.7 | 27.7 | 8.0 | 8.0 | 27.7 | 27.7 | 85.7 | 85.3 | 5.8 | 2.7 | 4 | 88 | 93 | 815627 | 804227 | <0.2 | <0.2 | 0.9 | 1.0 | | | | | | | |
| | | | | | | 1.0 | 0.5 | 239 | 27.7 | 8.0 | 8.0 | 27.7 | 27.7 | 84.8 | 85.3 | 5.7 | 2.6 | 4 | 90 | | | | | | | | | | | | | | | |
| | | | | | Middle | 4.0 | 0.7 | 221 | 27.6 | 27.6 | 7.9 | 7.9 | 28.4 | 28.4 | 78.3 | 78.2 | 5.3 | 7.5 | 5 | 92 | 5 | 94 | 93 | <0.2 | <0.2 | 1.0 | 1.0 | | | | | | | |
| | | | | | | 4.0 | 0.7 | 225 | 27.6 | 27.6 | 7.9 | 7.9 | 28.4 | 28.4 | 78.0 | 78.2 | 5.3 | 7.7 | 5 | 94 | 5 | 96 | 93 | <0.2 | <0.2 | 1.0 | 1.0 | | | | | | | |
| | | | | | Bottom | 7.0 | 0.6 | 214 | 27.4 | 27.4 | 7.9 | 7.9 | 29.3 | 29.3 | 71.6 | 71.7 | 4.8 | 38.2 | 6 | 96 | 6 | 96 | 93 | <0.2 | <0.2 | 1.0 | 1.0 | | | | | | | |
| | | | | | | 7.0 | 0.7 | 222 | 27.4 | 27.4 | 7.9 | 7.9 | 29.3 | 29.3 | 71.8 | 71.7 | 4.8 | 39.1 | 6 | 96 | 6 | 96 | 93 | <0.2 | <0.2 | 1.0 | 1.0 | | | | | | | |
| C2 | Cloudy | Moderate | 11:24 | 13.3 | Surface | 1.0 | 0.4 | 132 | 26.2 | 26.2 | 7.8 | 7.8 | 22.5 | 22.5 | 70.5 | 70.5 | 5.0 | 7.0 | 7 | 85 | 89 | 825671 | 806962 | <0.2 | <0.2 | 1.4 | 1.3 | | | | | | | |
| | | | | | | 1.0 | 0.4 | 133 | 26.2 | 26.2 | 7.8 | 7.8 | 22.5 | 22.5 | 70.4 | 70.5 | 5.0 | 7.1 | 7 | 85 | 89 | <0.2 | <0.2 | 1.1 | 1.3 | | | | | | | | | |
| | | | | | Middle | 6.7 | 0.6 | 172 | 26.1 | 26.1 | 7.8 | 7.8 | 22.7 | 22.7 | 67.6 | 67.6 | 4.8 | 8.8 | 6 | 90 | 7 | 90 | 89 | <0.2 | <0.2 | 1.3 | 1.3 | | | | | | | |
| | | | | | | 6.7 | 0.6 | 175 | 26.1 | 26.1 | 7.8 | 7.8 | 22.7 | 22.7 | 67.6 | 67.6 | 4.8 | 8.8 | 6 | 90 | 7 | 90 | 89 | <0.2 | <0.2 | 1.4 | 1.3 | | | | | | | |
| | | | | | Bottom | 12.3 | 0.4 | 156 | 26.0 | 26.0 | 7.8 | 7.8 | 24.6 | 24.6 | 70.3 | 70.3 | 5.0 | 9.4 | 8 | 93 | 8 | 93 | 89 | <0.2 | <0.2 | 1.1 | 1.2 | | | | | | | |
| | | | | | | 12.3 | 0.5 | 161 | 26.0 | 26.0 | 7.8 | 7.8 | 24.6 | 24.6 | 70.3 | 70.3 | 5.0 | 9.4 | 8 | 92 | 8 | 92 | 89 | <0.2 | <0.2 | 1.1 | 1.2 | | | | | | | |
| C3 | Cloudy | Moderate | 13:13 | 12.3 | Surface | 1.0 | 0.7 | 111 | 26.3 | 26.3 | 7.9 | 7.9 | 25.3 | 25.3 | 72.1 | 72.1 | 5.0 | 9.3 | 10 | 83 | 88 | 822112 | 817800 | <0.2 | <0.2 | 0.9 | 0.9 | | | | | | | |
| | | | | | | 1.0 | 0.7 | 115 | 26.3 | 26.3 | 7.9 | 7.9 | 25.3 | 25.3 | 72.1 | 72.1 | 5.1 | 9.3 | 9 | 82 | 12 | 90 | 88 | <0.2 | <0.2 | 0.8 | 0.9 | | | | | | | |
| | | | | | Middle | 6.2 | 0.4 | 103 | 26.1 | 26.1 | 7.9 | 7.9 | 26.2 | 26.2 | 71.0 | 71.0 | 5.0 | 9.6 | 13 | 90 | 12 | 90 | 88 | <0.2 | <0.2 | 0.9 | 0.9 | | | | | | | |
| | | | | | | 6.2 | 0.4 | 103 | 26.1 | 26.1 | 7.9 | 7.9 | 26.2 | 26.2 | 71.0 | 71.0 | 5.0 | 9.5 | 13 | 90 | 12 | 90 | 88 | <0.2 | <0.2 | 0.9 | 0.9 | | | | | | | |
| | | | | | Bottom | 11.3 | 0.4 | 103 | 26.1 | 26.1 | 7.9 | 7.9 | 26.3 | 26.3 | 71.5 | 71.5 | 5.0 | 9.1 | 14 | 93 | 12 | 93 | 88 | <0.2 | <0.2 | 0.8 | 1.0 | | | | | | | |
| | | | | | | 11.3 | 0.5 | 103 | 26.1 | 26.1 | 7.9 | 7.9 | 26.3 | 26.3 | 71.5 | 71.5 | 5.0 | 9.0 | 13 | 92 | 12 | 92 | 88 | <0.2 | <0.2 | 0.8 | 1.0 | | | | | | | |
| IM1 | Cloudy | Moderate | 12:30 | 7.3 | Surface | 1.0 | 0.4 | 176 | 27.7 | 27.7 | 7.9 | 7.9 | 27.8 | 27.8 | 82.5 | 82.5 | 5.6 | 2.9 | 8 | 87 | 90 | 818363 | 806445 | <0.2 | <0.2 | 0.9 | 1.0 | | | | | | | |
| | | | | | | 1.0 | 0.4 | 181 | 27.7 | 27.7 | 7.9 | 7.9 | 27.8 | 27.8 | 82.4 | 82.5 | 5.5 | 2.9 | 8 | 87 | 90 | 818363 | 806445 | <0.2 | <0.2 | 1.0 | 1.0 | | | | | | | |
| | | | | | Middle | 3.7 | 0.4 | 176 | 27.7 | 27.7 | 7.9 | 7.9 | 27.8 | 27.8 | 81.8 | 81.8 | 5.5 | 3.5 | 8 | 90 | 8 | 92 | 90 | <0.2 | <0.2 | 0.8 | 1.1 | | | | | | | |
| | | | | | | 3.7 | 0.4 | 185 | 27.7 | 27.7 | 7.9 | 7.9 | 27.8 | 27.8 | 81.8 | 81.8 | 5.5 | 3.8 | 7 | 92 | 8 | 92 | 90 | <0.2 | <0.2 | 1.1 | 1.1 | | | | | | | |
| | | | | | Bottom | 6.3 | 0.4 | 194 | 27.7 | 27.7 | 7.9 | 7.9 | 27.8 | 27.8 | 81.6 | 81.8 | 5.5 | 3.9 | 7 | 94 | 8 | 94 | 90 | <0.2 | <0.2 | 1.0 | 1.1 | | | | | | | |
| | | | | | | 6.3 | 0.4 | 204 | 27.7 | 27.7 | 7.9 | 7.9 | 27.8 | 27.8 | 81.9 | 81.8 | 5.5 | 4.2 | 8 | 92 | 8 | 92 | 90 | <0.2 | <0.2 | 1.1 | 1.1 | | | | | | | |
| IM2 | Rainy | Moderate | 12:22 | 8.1 | Surface | 1.0 | 0.4 | 159 | 27.7 | 27.7 | 7.9 | 7.9 | 27.2 | 27.3 | 81.3 | 81.2 | 5.5 | 3.9 | 5 | 79 | 86 | 818857 | 806183 | <0.2 | <0.2 | 0.6 | 0.8 | | | | | | | |
| | | | | | | 1.0 | 0.5 | 162 | 27.7 | 27.7 | 7.9 | 7.9 | 27.3 | 27.3 | 81.0 | 81.2 | 5.5 | 4.1 | 6 | 83 | 6 | 86 | 86 | <0.2 | <0.2 | 0.7 | 0.8 | | | | | | | |
| | | | | | Middle | 4.1 | 0.5 | 204 | 27.6 | 27.6 | 7.9 | 7.9 | 27.7 | 27.7 | 77.2 | 76.9 | 5.2 | 4.9 | 6 | 86 | 6 | 85 | 86 | <0.2 | <0.2 | 0.8 | 0.8 | | | | | | | |
| | | | | | | 4.1 | 0.5 | 219 | 27.6 | 27.6 | 7.9 | 7.9 | 27.6 | 27.6 | 76.6 | 76.9 | 5.2 | 5.4 | 6 | 85 | 6 | 90 | 86 | <0.2 | <0.2 | 0.8 | 0.8 | | | | | | | |
| | | | | | Bottom | 7.1 | 0.5 | 192 | 27.5 | 27.5 | 7.9 | 7.9 | 28.7 | 28.7 | 74.6 | 75.2 | 5.0 | 8.8 | 6 | 90 | 6 | 92 | 86 | <0.2 | <0.2 | 0.9 | 0.9 | | | | | | | |
| | | | | | | 7.1 | 0.6 | 210 | 27.5 | 27.5 | 7.9 | 7.9 | 28.6 | 28.7 | 75.7 | 75.2 | 5.1 | 7.8 | 7 | 92 | 6 | 92 | 86 | <0.2 | <0.2 | 0.9 | 0.9 | | | | | | | |
| IM3 | Rainy | Moderate | 12:10 | 7.2 | Surface | 1.0 | 0.5 | 182 | 27.7 | 27.7 | 7.9 | 7.9 | 27.6 | 27.7 | 74.3 | 73.7 | 5.0 | 5.4 | 8 | 84 | 89 | 819425 | 805999 | <0.2 | <0.2 | 1.2 | 1.0 | | | | | | | |
| | | | | | | 1.0 | 0.5 | 187 | 27.6 | 27.6 | 7.9 | 7.9 | 27.8 | 27.7 | 73.0 | 73.7 | 4.9 | 5.3 | 6 | 86 | 8 | 90 | 89 | <0.2 | <0.2 | 1.2 | 1.0 | | | | | | | |
| | | | | | Middle | 3.6 | 0.5 | 196 | 27.6 | 27.6 | 7.9 | 7.9 | 27.6 | 27.6 | 72.1 | 72.0 | 4.9 | 5.8 | 8 | 86 | 8 | 90 | 89 | <0.2 | <0.2 | 1.0 | 0.9 | | | | | | | |
| | | | | | | 3.6 | 0.5 | 200 | 27.6 | 27.6 | 7.9 | 7.9 | 27.6 | 27.6 | 71.9 | 72.0 | 4.9 | 5.7 | 9 | 90 | 8 | 90 | 89 | <0.2 | <0.2 | 0.9 | 0.9 | | | | | | | |
| | | | | | Bottom | 6.2 | 0.4 | 199 | 27.5 | 27.5 | 7.9 | 7.9 | 28.7 | 28.7 | 71.2 | 71.4 | 4.8 | 6.3 | 10 | 93 | 8 | 93 | 89 | <0.2 | <0.2 | 0.8 | 0.8 | | | | | | | |
| | | | | | | 6.2 | 0.5 | 200 | 27.5 | 27.5 | 7.9 | 7.9 | 28.7 | 28.7 | 71.5 | 71.4 | 4.8 | 6.0 | 9 | 92 | 8 | 92 | 89 | <0.2 | <0.2 | 1.0 | 1.0 | | | | | | | |
| IM4 | Fine | Moderate | 12:01 | 7.8 | Surface | 1.0 | 0.6 | 171 | 27.7 | 27.7 | 7.9 | 7.9 | 28.1 | 28.1 | 76.0 | 75.9 | 5.1 | 5.7 | 9 | 83 | 86 | 819580 | 805036 | <0.2 | <0.2 | 1.1 | 1.1 | | | | | | | |
| | | | | | | 1.0 | 0.6 | 183 | 27.7 | 27.7 | 7.9 | 7.9 | 28.1 | 28.1 | 75.8 | 75.9 | 5.1 | 5.9 | 9 | 83 | 10 | 86 | 86 | <0.2 | <0.2 | 1.0 | 1.3 | | | | | | | |
| | | | | | Middle | 3.9 | 0.6 | 188 | 27.6 | 27.6 | 7.9 | 7.9 | 28.2 | 28.2 | 74.0 | 74.0 | 5.0 | 7.5 | 10 | 86 | 10 | 84 | 86 | <0.2 | <0.2 | 1.3 | 1.3 | | | | | | | |
| | | | | | | 3.9 | 0.6 | 195 | 27.6 | 27.6 | 7.9 | 7.9 | 28.2 | 28.2 | 74.0 | 74.0 | 5.0 | 7.6 | 10 | 84 | 10 | 90 | 86 | <0.2 | <0.2 | 0.9 | 1.1 | | | | | | | |
| | | | | | Bottom | 6.8 | 0.5 | 199 | 27.5 | 27.5 | 7.9 | 7.9 | 28.4 | 28.4 | 71.2 | 71.2 | 4.8 | 9.3 | 11 | 90 | 10 | 91 | 86 | <0.2 | <0.2 | 0.9 | 1.1 | | | | | | | |
| | | | | | | 6.8 | 0.6 | 203 | 27.5 | 27.5 | 7.9 | 7.9 | 28.4 | 28.4 | 71.2 | 71.2 | 4.8 | 9.4 | 10 | 91 | 10 | 91 | 86 | <0.2 | <0.2 | 1.1 | 1.1 | | | | | | | |
| IM5 | Fine | Moderate | 11:48 | 7.1 | Surface | 1.0 | 0.5 | 165 | 27.7 | 27.7 | 7.9 | 7.9 | 28.0 | 28.0 | 75.4 | 75.4 | 5.1 | 6.0 | 9 | 80 | 86 | 820575 | 804909 | <0.2 | <0.2 | 1.1 | 1.1 | | | | | | | |
| | | | | | | 1.0 | 0.5 | 177 | 27.7 | 27.7 | 7.9 | 7.9 | 28.0 | 28.0 | 75.3 | 75.4 | 5.1 | 6.1 | 9 | 81 | 12 | 86 | 86 | <0.2 | <0.2 | 1.0 | 1.2 | | | | | | | |
| | | | | | Middle | 3.6 | 0.5 | 170 | 27.5 | 27.6 | 7.9 | 7.9 | 28.1 | 28.1 | 72.9 | 73.0 | 4.9 | 7.9 | 10 | 86 | 12 | 89 | 86 | <0.2 | <0.2 | 1.0 | 1.2 | | | | | | | |
| | | | | | | 3.6 | 0.5 | 186 | 27.6 | 27.6 | 7.9 | 7.9 | 28.1 | 28.1 | 73.0 | 73.0 | 4.9 | 8.1 | 11 | 89 | 12 | 90 | 86 | <0.2 | <0.2 | 1.2 | 1.2 | | | | | | | |
| | | | | | Bottom | 6.1 | 0.5 | 183 | 27.5 | 27.5 | 7.9 | 7.9 | 28.3 | 28.3 | 69.3 | 69.5 | 4.7 | 16.1 | 16 | 90 | 12 | 92 | 86 | <0.2 | <0.2 | 1.2 | 1.2 | | | | | | | |
| | | | | | | 6.1 | 0.5 | 198 | 27.5 | 27.5 | 7.9 | 7.9 | 28.3 | 28.3 | 69.6 | 69.5 | 4.7 | 15.9 | 16 | 92 | 12 | 92 | 86 | <0.2 | <0.2 | 1.2 | 1.2 | | | | | | | |
| IM6 | Fine | Calm | 11:37 | 7.3 | Surface | 1.0 | 0.5 | 150 | 27.8 | 27.8 | 7.9 | 7.9 | 27.5 | 27.5 | 75.5 | 75.5 | 5.1 | 6.2 | 12 | 80 | 85 | 821043 | 805845 | <0.2 | <0.2 | 1.2 | 1.7 | | | | | | | |
| | | | | | | 1.0 | 0.6 | 160 | 27.8 | 27.8 | 7.9 | 7.9 | 27.5 | 27.5 | 75.5 | 75.5 | 5.1 | 6.2 | 11 | 81 | 11 | 84 | 85 | <0.2 | <0.2 | 1.6 | 1.8 | | | | | | | |
| | | | | | Middle | 3.7 | 0.5 | 158 | 27.7 | 27.7 | 7.9 | 7.9 | 27.7 | 27.7 | 74.7 | 74.7 | 5.0 | 6.2 | 11 | 84 | 11 | 86 | 85 | <0.2 | <0.2 | 1.7 | 1.7 | | | | | | | |
| | | | | | | 3.7 | 0.6 | 171 | 27.7 | 27.7 | 7.9 | 7.9 | 27.7 | 27.7 | 74.6 | 74.7 | 5.0 | 6.3 | 11 | 86 | 11 | 86 | 85 | & | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 01 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-------|-----------------|------|-------------------------|-----|------------------------|----|-------------------------------|------------------------------|-----------------|--------|---------------|--------|-------|------|-----|-----|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Moderate | 12:06 | 7.9 | Surface | 1.0 | 0.5 | 109 | 26.6 | 26.6 | 7.9 | 7.9 | 23.9 | 23.9 | 72.8 | 72.8 | 5.1 | 5.1 | 6.5 | 6.5 | 6 | 6 | 82 | 82 | 88 | 88 | 822086 | 808792 | <0.2 | <0.2 | 1.7 | 1.7 | | | |
| | | | | | | 1.0 | 0.6 | 118 | 26.6 | 26.6 | 7.9 | 7.9 | 23.9 | 23.9 | 72.7 | 72.8 | 5.1 | 5.1 | 6.6 | 6.6 | 6 | 6 | 84 | 84 | 88 | 88 | 822086 | 808792 | <0.2 | <0.2 | 1.7 | 1.7 | | | |
| | | | | | Middle | 4.0 | 0.4 | 137 | 26.2 | 26.2 | 7.9 | 7.9 | 25.2 | 25.2 | 71.2 | 71.2 | 5.0 | 5.0 | 10.3 | 10.2 | 8 | 8 | 89 | 89 | 88 | 88 | 822086 | 808792 | <0.2 | <0.2 | 1.8 | 1.8 | | | |
| | | | | | | 4.0 | 0.4 | 139 | 26.2 | 26.2 | 7.9 | 7.9 | 25.2 | 25.2 | 71.2 | 71.2 | 5.0 | 5.0 | 10.4 | 10.2 | 9 | 9 | 90 | 90 | 88 | 88 | 822086 | 808792 | <0.2 | <0.2 | 2.1 | 2.1 | | | |
| | | | | | Bottom | 6.9 | 0.4 | 141 | 26.0 | 26.0 | 8.0 | 8.0 | 26.1 | 26.1 | 74.2 | 74.2 | 5.2 | 5.2 | 13.7 | 5.2 | 5.2 | 5.2 | 8 | 8 | 92 | 92 | 88 | 88 | 822086 | 808792 | <0.2 | <0.2 | 2.0 | 2.0 | |
| | | | | | | 6.9 | 0.4 | 146 | 26.0 | 26.0 | 7.9 | 8.0 | 26.1 | 26.1 | 74.2 | 74.2 | 5.2 | 5.2 | 13.7 | 5.2 | 5.2 | 5.2 | 10 | 10 | 93 | 93 | 88 | 88 | 822086 | 808792 | <0.2 | <0.2 | 2.1 | 2.1 | |
| IM10 | Cloudy | Moderate | 12:13 | 8.0 | Surface | 1.0 | 0.7 | 101 | 26.6 | 26.6 | 7.9 | 7.9 | 23.9 | 23.9 | 73.5 | 73.4 | 5.2 | 5.2 | 5.8 | 5.8 | 5 | 5 | 85 | 85 | 89 | 89 | 822242 | 809819 | <0.2 | <0.2 | 3.1 | 3.1 | | | |
| | | | | | | 1.0 | 0.8 | 109 | 26.6 | 26.6 | 7.9 | 7.9 | 23.9 | 23.9 | 73.2 | 73.4 | 5.1 | 5.1 | 5.9 | 5.0 | 5.0 | 5.0 | 4 | 4 | 87 | 87 | 89 | 89 | 822242 | 809819 | <0.2 | <0.2 | 2.4 | 2.4 | |
| | | | | | Middle | 4.0 | 0.6 | 107 | 26.2 | 26.2 | 7.9 | 7.9 | 24.9 | 25.0 | 68.7 | 68.8 | 4.8 | 4.8 | 10.0 | 10.1 | 4 | 4 | 88 | 88 | 89 | 89 | 822242 | 809819 | <0.2 | <0.2 | 2.2 | 2.2 | | | |
| | | | | | | 4.0 | 0.6 | 108 | 26.2 | 26.2 | 7.9 | 7.9 | 25.0 | 25.0 | 68.8 | 68.8 | 4.8 | 4.8 | 10.1 | 10.1 | 4 | 4 | 89 | 89 | 89 | 89 | 822242 | 809819 | <0.2 | <0.2 | 1.8 | 1.8 | | | |
| | | | | | Bottom | 7.0 | 0.5 | 104 | 26.1 | 26.1 | 7.9 | 7.9 | 25.3 | 25.3 | 73.2 | 73.3 | 5.1 | 5.1 | 14.2 | 5.2 | 5.2 | 5.2 | 5 | 5 | 91 | 91 | 89 | 89 | 822242 | 809819 | <0.2 | <0.2 | 1.4 | 1.4 | |
| | | | | | | 7.0 | 0.6 | 105 | 26.1 | 26.1 | 7.9 | 7.9 | 25.3 | 25.3 | 73.3 | 73.3 | 5.2 | 5.2 | 14.3 | 5.2 | 5.2 | 5.2 | 6 | 6 | 92 | 92 | 89 | 89 | 822242 | 809819 | <0.2 | <0.2 | 1.3 | 1.3 | |
| IM11 | Rainy | Moderate | 12:19 | 9.2 | Surface | 1.0 | 0.9 | 84 | 26.3 | 26.3 | 8.0 | 8.0 | 25.4 | 25.4 | 79.2 | 79.2 | 5.5 | 5.5 | 9.1 | 9.1 | 8 | 8 | 85 | 85 | 89 | 89 | 821486 | 810530 | <0.2 | <0.2 | 1.7 | 1.7 | | | |
| | | | | | | 1.0 | 1.0 | 84 | 26.3 | 26.3 | 8.0 | 8.0 | 25.4 | 25.4 | 79.2 | 79.2 | 5.5 | 5.5 | 9.1 | 9.1 | 8 | 8 | 86 | 86 | 89 | 89 | 821486 | 810530 | <0.2 | <0.2 | 1.8 | 1.8 | | | |
| | | | | | Middle | 4.6 | 0.8 | 97 | 26.3 | 26.3 | 8.0 | 8.0 | 25.4 | 25.4 | 79.3 | 79.3 | 5.6 | 5.6 | 10.9 | 12.4 | 8 | 8 | 90 | 90 | 89 | 89 | 821486 | 810530 | <0.2 | <0.2 | 2.0 | 2.0 | | | |
| | | | | | | 4.6 | 0.8 | 101 | 26.3 | 26.3 | 8.0 | 8.0 | 25.4 | 25.4 | 79.3 | 79.3 | 5.6 | 5.6 | 11.0 | 12.4 | 8 | 8 | 89 | 89 | 89 | 89 | 821486 | 810530 | <0.2 | <0.2 | 2.0 | 2.0 | | | |
| | | | | | Bottom | 8.2 | 0.6 | 99 | 26.2 | 26.2 | 8.0 | 8.0 | 25.7 | 25.7 | 79.8 | 79.9 | 5.6 | 5.6 | 17.1 | 5.6 | 5.6 | 5.6 | 8 | 8 | 92 | 92 | 89 | 89 | 821486 | 810530 | <0.2 | <0.2 | 1.6 | 1.6 | |
| | | | | | | 8.2 | 0.6 | 99 | 26.2 | 26.2 | 8.0 | 8.0 | 25.7 | 25.7 | 79.9 | 79.9 | 5.6 | 5.6 | 17.3 | 5.6 | 5.6 | 5.6 | 9 | 9 | 92 | 92 | 89 | 89 | 821486 | 810530 | <0.2 | <0.2 | 1.5 | 1.5 | |
| IM12 | Rainy | Moderate | 12:28 | 9.5 | Surface | 1.0 | 0.9 | 94 | 26.3 | 26.3 | 8.0 | 8.0 | 25.4 | 25.4 | 79.0 | 79.0 | 5.5 | 5.5 | 8.0 | 8.0 | 8 | 8 | 84 | 84 | 89 | 89 | 821175 | 811518 | <0.2 | <0.2 | 1.0 | 1.0 | | | |
| | | | | | | 1.0 | 0.9 | 96 | 26.3 | 26.3 | 8.0 | 8.0 | 25.4 | 25.4 | 79.0 | 79.0 | 5.5 | 5.5 | 8.0 | 8.0 | 8 | 8 | 85 | 85 | 89 | 89 | 821175 | 811518 | <0.2 | <0.2 | 1.1 | 1.1 | | | |
| | | | | | Middle | 4.8 | 0.8 | 92 | 26.3 | 26.3 | 8.0 | 8.0 | 25.4 | 25.4 | 78.9 | 78.9 | 5.5 | 5.5 | 8.4 | 8.6 | 7 | 7 | 90 | 90 | 89 | 89 | 821175 | 811518 | <0.2 | <0.2 | 1.1 | 1.1 | | | |
| | | | | | | 4.8 | 0.9 | 99 | 26.3 | 26.3 | 8.0 | 8.0 | 25.4 | 25.4 | 78.9 | 78.9 | 5.5 | 5.5 | 8.4 | 8.6 | 8 | 8 | 89 | 89 | 89 | 89 | 821175 | 811518 | <0.2 | <0.2 | 1.4 | 1.4 | | | |
| | | | | | Bottom | 8.5 | 0.6 | 94 | 26.3 | 26.3 | 8.0 | 8.0 | 25.4 | 25.4 | 78.9 | 79.0 | 5.5 | 5.5 | 9.4 | 5.5 | 5.5 | 5.5 | 7 | 7 | 93 | 93 | 89 | 89 | 821175 | 811518 | <0.2 | <0.2 | 1.5 | 1.5 | |
| | | | | | | 8.5 | 0.7 | 95 | 26.3 | 26.3 | 8.0 | 8.0 | 25.4 | 25.4 | 79.0 | 79.0 | 5.5 | 5.5 | 9.5 | 5.5 | 5.5 | 5.5 | 7 | 7 | 92 | 92 | 89 | 89 | 821175 | 811518 | <0.2 | <0.2 | 1.3 | 1.3 | |
| SR2 | Cloudy | Moderate | 12:53 | 4.8 | Surface | 1.0 | 0.6 | 81 | 26.5 | 26.5 | 7.9 | 7.9 | 24.4 | 24.4 | 78.1 | 78.1 | 5.5 | 5.5 | 14.9 | 14.9 | 5 | 5 | 83 | 83 | 86 | 86 | 821479 | 814170 | <0.2 | <0.2 | 1.5 | 1.5 | | | |
| | | | | | | 1.0 | 0.6 | 83 | 26.5 | 26.5 | 7.9 | 7.9 | 24.4 | 24.4 | 78.1 | 78.1 | 5.5 | 5.5 | 14.9 | 14.9 | 5 | 5 | 83 | 83 | 86 | 86 | 821479 | 814170 | <0.2 | <0.2 | 1.6 | 1.6 | | | |
| | | | | | Middle | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | Bottom | 3.8 | 0.4 | 77 | 26.3 | 26.3 | 7.9 | 7.9 | 25.0 | 25.0 | 76.3 | 76.3 | 5.4 | 5.4 | 24.8 | 5.4 | 5.4 | 5.4 | 14 | 14 | 90 | 90 | 86 | 86 | 821479 | 814170 | <0.2 | <0.2 | 1.1 | 1.1 | |
| | | | | | | 3.8 | 0.4 | 81 | 26.3 | 26.3 | 7.9 | 7.9 | 25.0 | 25.0 | 76.3 | 76.3 | 5.4 | 5.4 | 24.8 | 5.4 | 5.4 | 5.4 | 15 | 15 | 89 | 89 | 86 | 86 | 821479 | 814170 | <0.2 | <0.2 | 1.0 | 1.0 | |
| SR3 | Cloudy | Moderate | 11:53 | 9.9 | Surface | 1.0 | 0.4 | 177 | 26.5 | 26.5 | 7.9 | 7.9 | 23.4 | 23.4 | 71.2 | 71.2 | 5.0 | 5.0 | 9.3 | 9.3 | 6 | 6 | - | - | - | - | 822130 | 807554 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.5 | 193 | 26.5 | 26.5 | 7.9 | 7.9 | 23.4 | 23.4 | 71.1 | 71.2 | 5.0 | 5.0 | 9.5 | 9.3 | 5 | 5 | - | - | - | - | 822130 | 807554 | - | - | - | - | | | |
| | | | | | Middle | 5.0 | 0.4 | 189 | 26.1 | 26.1 | 7.9 | 7.9 | 25.3 | 25.3 | 70.2 | 70.2 | 4.9 | 4.9 | 16.2 | 5.0 | 5.0 | 5.0 | 12 | 12 | - | - | - | - | 822130 | 807554 | - | - | - | - | |
| | | | | | | 5.0 | 0.4 | 189 | 26.1 | 26.1 | 7.9 | 7.9 | 25.3 | 25.3 | 70.2 | 70.2 | 4.9 | 4.9 | 16.3 | 5.0 | 5.0 | 5.0 | 13 | 13 | - | - | - | - | 822130 | 807554 | - | - | - | - | |
| | | | | | Bottom | 8.9 | 0.4 | 169 | 26.0 | 26.0 | 7.9 | 7.9 | 26.0 | 26.0 | 72.0 | 72.1 | 5.0 | 5.0 | 17.3 | 5.1 | 5.1 | 5.1 | 18 | 18 | - | - | - | - | 822130 | 807554 | - | - | - | - | |
| | | | | | | 8.9 | 0.4 | 177 | 26.0 | 26.0 | 7.9 | 7.9 | 26.0 | 26.0 | 72.1 | 72.1 | 5.1 | 5.1 | 17.4 | 5.1 | 5.1 | 5.1 | 18 | 18 | - | - | - | - | 822130 | 807554 | - | - | - | - | |
| SR4A | Fine | Calm | 13:16 | 8.3 | Surface | 1.0 | 0.3 | 101 | 27.7 | 27.7 | 7.9 | 7.9 | 27.3 | 27.3 | 77.4 | 77.4 | 5.2 | 5.2 | 6.8 | 6.8 | 13 | 13 | - | - | - | - | 817188 | 807809 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.3 | 109 | 27.7 | 27.7 | 7.9 | 7.9 | 27.3 | 27.3 | 77.3 | 77.4 | 5.2 | 5.2 | 6.9 | 5.2 | 5.2 | 5.2 | 13 | 13 | - | - | - | - | 817188 | 807809 | - | - | - | - | |
| | | | | | Middle | 4.2 | 0.2 | 105 | 27.6 | 27.6 | 7.9 | 7.9 | 27.5 | 27.5 | 75.5 | 75.6 | 5.1 | 5.1 | 11.0 | 5.1 | 5.1 | 5.1 | 13 | 13 | - | - | - | - | 817188 | 807809 | - | - | - | - | |
| | | | | | | 4.2 | 0.2 | 107 | 27.6 | 27.6 | 7.9 | 7.9 | 27.5 | 27.5 | 75.6 | 75.6 | 5.1 | 5.1 | 10.9 | 5.1 | 5.1 | 5.1 | 13 | 13 | - | - | - | - | 817188 | 807809 | - | - | - | - | |
| | | | | | Bottom | 7.3 | 0.1 | 150 | 27.6 | 27.6 | 7.9 | 7.9 | 27.6 | 27.6 | 75.9 | 76.1 | 5.1 | 5.1 | 14.1 | 5.1 | 5.1 | 5.1 | 18 | 18 | - | - | - | - | 817188 | 807809 | - | - | - | - | |
| | | | | | | 7.3 | 0.1 | 157 | 27.6 | 27.6 | 7.9 | 7.9 | 27.6 | 27.6 | 76.2 | 76.1 | 5.1 | 5.1 | 14.0 | 5.1 | 5.1 | 5.1 | 20 | 20 | - | - | - | - | 817188 | 807809 | - | - | - | - | |
| SR5A | Fine | Calm | 13:33 | 4.4 | Surface | 1.0 | 0.2 | 125 | 28.0 | 28.0 | 7.9 | 7.9 | 26.5 | 26.5 | 80.9 | 80.9 | 5.5 | 5.5</ | | | | | | | | | | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 03 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|-------------------------|------|----------------|------|-------------------------|------|------------------------|------|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | |
| | | | | | | | | | C1 | Cloudy | Calm | 07:36 | 8.6 | Surface | 1.0 | 0.6 | 52 | 28.0 | 28.0 | 7.8 | 7.8 | 25.7 | 25.7 | 74.6 | | | 74.6 | 5.1 | 5.0 | 8.9 | 44.8 | 8 | 58 |
| | | | | | Surface | 1.0 | 0.6 | 56 | 28.0 | 28.0 | 7.8 | 7.8 | 25.7 | 25.7 | 74.6 | 74.6 | 5.1 | 5.0 | 8.9 | | 9 | | 92 | | | | | | | | | | |
| | | | | | Middle | 4.3 | 0.6 | 44 | 27.9 | 27.9 | 7.9 | 7.9 | 27.6 | 27.6 | 72.6 | 72.6 | 4.9 | 4.9 | 44.0 | | 39 | | 96 | | | | | | | | | | |
| | | | | | Middle | 4.3 | 0.7 | 45 | 27.9 | 27.9 | 7.9 | 7.9 | 27.6 | 27.6 | 72.6 | 72.6 | 4.9 | 4.9 | 43.7 | | 41 | | 96 | | | | | | | | | | |
| | | | | | Bottom | 7.6 | 0.7 | 46 | 27.9 | 27.9 | 7.9 | 7.9 | 28.0 | 28.0 | 73.1 | 73.3 | 4.9 | 4.9 | 81.6 | | 124 | | 108 | | | | | | | | | | |
| | | | | | Bottom | 7.6 | 0.7 | 49 | 27.9 | 27.9 | 7.9 | 7.9 | 28.0 | 28.0 | 73.4 | 73.3 | 4.9 | 4.9 | 81.7 | | 126 | | 107 | | | | | | | | | | |
| C2 | Cloudy | Moderate | 08:21 | 13.2 | Surface | 1.0 | 0.6 | 260 | 26.9 | 26.9 | 7.7 | 7.7 | 19.3 | 19.3 | 70.4 | 70.4 | 5.0 | 4.9 | 4.5 | 8.0 | 5 | 5 | 84 | 89 | 825665 | 806933 | <0.2 | <0.2 | 2.6 | 2.5 | | | |
| | | | | | Surface | 1.0 | 0.7 | 261 | 26.9 | 26.9 | 7.7 | 7.7 | 19.3 | 19.3 | 70.3 | 70.3 | 5.0 | 4.9 | 4.5 | | 5 | | 5 | | 85 | | | | | | | | |
| | | | | | Middle | 6.6 | 0.6 | 258 | 26.8 | 26.8 | 7.7 | 7.7 | 21.5 | 21.5 | 67.2 | 67.2 | 4.8 | 4.8 | 5.8 | | 5 | | 5 | | 88 | | | | | | | | |
| | | | | | Middle | 6.6 | 0.6 | 271 | 26.8 | 26.8 | 7.7 | 7.7 | 21.5 | 21.5 | 67.2 | 67.2 | 4.8 | 4.8 | 5.8 | | 4 | | 4 | | 90 | | | | | | | | |
| | | | | | Bottom | 12.2 | 0.5 | 255 | 26.6 | 26.6 | 7.8 | 7.8 | 23.4 | 23.4 | 67.2 | 67.2 | 4.7 | 4.7 | 13.6 | | 6 | | 6 | | 92 | | | | | | | | |
| | | | | | Bottom | 12.2 | 0.6 | 268 | 26.6 | 26.6 | 7.8 | 7.8 | 23.4 | 23.4 | 67.2 | 67.2 | 4.7 | 4.7 | 13.9 | | 5 | | 5 | | 92 | | | | | | | | |
| C3 | Cloudy | Calm | 06:36 | 11.5 | Surface | 1.0 | 0.4 | 160 | 26.4 | 26.4 | 7.8 | 7.8 | 23.2 | 23.2 | 75.1 | 75.1 | 5.3 | 5.2 | 6.3 | 6.8 | 5 | 6 | 83 | 89 | 822128 | 817813 | <0.2 | <0.2 | 1.7 | 1.7 | | | |
| | | | | | Surface | 1.0 | 0.4 | 164 | 26.4 | 26.4 | 7.8 | 7.8 | 23.2 | 23.2 | 75.0 | 75.1 | 5.3 | 5.2 | 6.3 | | 4 | | 4 | | 84 | | | | | | | | |
| | | | | | Middle | 5.8 | 0.6 | 302 | 26.4 | 26.4 | 7.8 | 7.8 | 23.8 | 23.8 | 72.0 | 72.0 | 5.1 | 5.1 | 7.2 | | 6 | | 6 | | 90 | | | | | | | | |
| | | | | | Middle | 5.8 | 0.6 | 329 | 26.4 | 26.4 | 7.8 | 7.8 | 23.8 | 23.8 | 72.0 | 72.0 | 5.1 | 5.1 | 7.2 | | 7 | | 7 | | 90 | | | | | | | | |
| | | | | | Bottom | 10.5 | 0.5 | 310 | 26.2 | 26.2 | 7.8 | 7.8 | 25.7 | 25.7 | 74.0 | 74.1 | 5.2 | 5.2 | 7.0 | | 8 | | 8 | | 92 | | | | | | | | |
| | | | | | Bottom | 10.5 | 0.6 | 335 | 26.2 | 26.2 | 7.8 | 7.8 | 25.7 | 25.7 | 74.2 | 74.1 | 5.2 | 5.2 | 7.0 | | 7 | | 7 | | 92 | | | | | | | | |
| IM1 | Cloudy | Calm | 07:56 | 7.8 | Surface | 1.0 | 0.8 | 106 | 28.2 | 28.2 | 7.8 | 7.8 | 23.9 | 23.9 | 75.8 | 75.8 | 5.2 | 5.1 | 5.7 | 28.5 | 6 | 37 | 96 | 98 | 818356 | 806460 | <0.2 | <0.2 | 1.6 | 1.4 | | | |
| | | | | | Surface | 1.0 | 0.8 | 112 | 28.2 | 28.2 | 7.8 | 7.8 | 23.9 | 23.9 | 75.8 | 75.8 | 5.2 | 5.1 | 5.7 | | 6 | | 6 | | 93 | | | | | | | | |
| | | | | | Middle | 3.9 | 0.7 | 139 | 28.0 | 28.0 | 7.8 | 7.8 | 25.9 | 25.9 | 74.6 | 74.6 | 5.0 | 5.1 | 29.3 | | 26 | | 26 | | 94 | | | | | | | | |
| | | | | | Middle | 3.9 | 0.7 | 143 | 28.0 | 28.0 | 7.8 | 7.8 | 25.8 | 25.9 | 74.6 | 74.6 | 5.1 | 5.1 | 28.9 | | 26 | | 26 | | 95 | | | | | | | | |
| | | | | | Bottom | 6.8 | 0.6 | 89 | 28.0 | 28.0 | 7.8 | 7.8 | 25.9 | 25.9 | 75.5 | 75.7 | 5.1 | 5.1 | 50.9 | | 81 | | 81 | | 106 | | | | | | | | |
| | | | | | Bottom | 6.8 | 0.6 | 89 | 28.0 | 28.0 | 7.8 | 7.8 | 25.9 | 25.9 | 75.8 | 75.7 | 5.1 | 5.1 | 50.7 | | 79 | | 79 | | 105 | | | | | | | | |
| IM2 | Cloudy | Moderate | 08:03 | 8.6 | Surface | 1.0 | 0.7 | 99 | 28.2 | 28.2 | 7.8 | 7.8 | 23.9 | 23.9 | 74.9 | 74.9 | 5.1 | 5.1 | 4.4 | 27.6 | 7 | 12 | 94 | 96 | 818851 | 806193 | <0.2 | <0.2 | 2.0 | 1.6 | | | |
| | | | | | Surface | 1.0 | 0.7 | 100 | 28.2 | 28.2 | 7.8 | 7.8 | 23.9 | 23.9 | 74.9 | 74.9 | 5.1 | 5.1 | 4.6 | | 7 | | 7 | | 94 | | | | | | | | |
| | | | | | Middle | 4.3 | 0.7 | 68 | 28.0 | 28.0 | 7.9 | 7.9 | 26.1 | 26.1 | 74.7 | 74.7 | 5.1 | 5.1 | 21.3 | | 13 | | 13 | | 94 | | | | | | | | |
| | | | | | Middle | 4.3 | 0.7 | 72 | 28.0 | 28.0 | 7.9 | 7.9 | 26.1 | 26.1 | 74.7 | 74.7 | 5.1 | 5.1 | 21.4 | | 13 | | 13 | | 94 | | | | | | | | |
| | | | | | Bottom | 7.6 | 0.5 | 89 | 28.0 | 28.0 | 7.9 | 7.9 | 26.4 | 26.4 | 74.7 | 74.7 | 5.0 | 5.0 | 56.8 | | 15 | | 15 | | 98 | | | | | | | | |
| | | | | | Bottom | 7.6 | 0.5 | 93 | 28.0 | 28.0 | 7.9 | 7.9 | 26.4 | 26.4 | 74.7 | 74.7 | 5.0 | 5.0 | 57.1 | | 16 | | 16 | | 99 | | | | | | | | |
| IM3 | Cloudy | Moderate | 08:10 | 9.0 | Surface | 1.0 | 0.7 | 116 | 28.2 | 28.2 | 7.8 | 7.8 | 23.7 | 23.7 | 75.3 | 75.3 | 5.1 | 5.0 | 3.8 | 21.7 | 5 | 21 | 103 | 100 | 819396 | 806023 | <0.2 | <0.2 | 1.9 | 1.7 | | | |
| | | | | | Surface | 1.0 | 0.7 | 124 | 28.2 | 28.2 | 7.8 | 7.8 | 23.7 | 23.7 | 75.2 | 75.3 | 5.1 | 5.0 | 4.2 | | 6 | | 6 | | 99 | | | | | | | | |
| | | | | | Middle | 4.5 | 0.6 | 68 | 28.0 | 28.0 | 7.9 | 7.9 | 26.5 | 26.5 | 72.7 | 72.7 | 4.9 | 4.9 | 18.6 | | 7 | | 7 | | 91 | | | | | | | | |
| | | | | | Middle | 4.5 | 0.7 | 72 | 28.0 | 28.0 | 7.9 | 7.9 | 26.5 | 26.5 | 72.7 | 72.7 | 4.9 | 4.9 | 19.9 | | 7 | | 7 | | 93 | | | | | | | | |
| | | | | | Bottom | 8.0 | 0.5 | 94 | 28.0 | 28.0 | 7.9 | 7.9 | 26.7 | 26.7 | 72.9 | 73.0 | 4.9 | 4.9 | 41.7 | | 51 | | 51 | | 106 | | | | | | | | |
| | | | | | Bottom | 8.0 | 0.5 | 102 | 28.0 | 28.0 | 7.9 | 7.9 | 26.7 | 26.7 | 73.0 | 73.0 | 4.9 | 4.9 | 42.2 | | 48 | | 48 | | 109 | | | | | | | | |
| IM4 | Cloudy | Moderate | 08:18 | 8.4 | Surface | 1.0 | 0.7 | 177 | 28.2 | 28.2 | 7.8 | 7.8 | 23.3 | 23.3 | 74.6 | 74.6 | 5.1 | 5.1 | 3.6 | 19.7 | 6 | 21 | 88 | 95 | 819587 | 805046 | <0.2 | <0.2 | 2.0 | 1.8 | | | |
| | | | | | Surface | 1.0 | 0.7 | 189 | 28.2 | 28.2 | 7.8 | 7.8 | 23.3 | 23.3 | 74.6 | 74.6 | 5.1 | 5.1 | 3.4 | | 6 | | 6 | | 90 | | | | | | | | |
| | | | | | Middle | 4.2 | 0.8 | 88 | 28.1 | 28.1 | 7.8 | 7.8 | 24.4 | 24.4 | 74.0 | 74.0 | 5.0 | 5.0 | 6.1 | | 9 | | 9 | | 88 | | | | | | | | |
| | | | | | Middle | 4.2 | 0.8 | 92 | 28.1 | 28.1 | 7.8 | 7.8 | 24.4 | 24.4 | 74.0 | 74.0 | 5.0 | 5.0 | 6.4 | | 7 | | 7 | | 90 | | | | | | | | |
| | | | | | Bottom | 7.4 | 0.6 | 83 | 28.0 | 28.0 | 7.9 | 7.9 | 26.7 | 26.7 | 74.5 | 74.5 | 5.0 | 5.0 | 49.1 | | 49 | | 49 | | 108 | | | | | | | | |
| | | | | | Bottom | 7.4 | 0.6 | 90 | 28.0 | 28.0 | 7.9 | 7.9 | 26.7 | 26.7 | 74.6 | 74.6 | 5.0 | 5.0 | 49.5 | | 51 | | 51 | | 106 | | | | | | | | |
| IM5 | Cloudy | Moderate | 08:27 | 7.3 | Surface | 1.0 | 0.7 | 217 | 28.3 | 28.3 | 7.8 | 7.8 | 23.0 | 23.0 | 73.8 | 73.8 | 5.1 | 5.1 | 3.0 | 30.9 | 3 | 35 | 89 | 92 | 820558 | 804921 | <0.2 | <0.2 | 2.5 | 2.0 | | | |
| | | | | | Surface | 1.0 | 0.8 | 233 | 28.3 | 28.3 | 7.8 | 7.8 | 23.0 | 23.0 | 73.8 | 73.8 | 5.1 | 5.1 | 3.1 | | 4 | | 4 | | 87 | | | | | | | | |
| | | | | | Middle | 3.7 | 0.8 | 106 | 28.2 | 28.2 | 7.8 | 7.8 | 24.2 | 24.3 | 73.4 | 73.5 | 5.0 | 5.0 | 5.2 | | 11 | | 11 | | 93 | | | | | | | | |
| | | | | | Middle | 3.7 | 0.8 | 106 | 28.2 | 28.2 | 7.8 | 7.8 | 24.3 | 24.3 | 73.5 | 73.5 | 5.0 | 5.0 | 5.5 | | 12 | | 12 | | 91 | | | | | | | | |
| | | | | | Bottom | 6.3 | 0.7 | 93 | 28.0 | 28.0 | 7.9 | 7.9 | 26.5 | 26.5 | 73.9 | 74.0 | 5.0 | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 03 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|------|-----------------|------|-------------------------|------|------------------------|------|-------------------------------|------------------------------|-----------------|--------|---------------|--------|--------|------|-------|-----|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Moderate | 07:38 | 7.6 | Surface | 1.0 | 0.3 | 218 | 26.7 | 26.7 | 7.8 | 7.8 | 21.1 | 21.1 | 75.0 | 75.0 | 5.3 | 5.3 | 5.6 | 5.6 | 3 | 3 | 83 | 83 | 88 | 822101 | 808824 | <0.2 | <0.2 | 2.7 | 2.7 | | | | |
| | | | | | | 1.0 | 0.4 | 224 | 26.7 | 7.8 | 7.8 | 21.0 | 21.0 | 75.0 | 75.0 | 5.3 | 5.3 | 5.6 | 5.6 | 4 | 4 | 84 | 84 | 4 | 4 | 84 | 84 | <0.2 | <0.2 | 2.7 | 2.7 | | | | |
| | | | | | Middle | 3.8 | 0.3 | 238 | 26.7 | 7.8 | 7.8 | 20.8 | 20.8 | 73.5 | 73.5 | 5.2 | 5.2 | 7.2 | 7.2 | 5.3 | 5.3 | 3 | 3 | 89 | 89 | 88 | 822101 | 808824 | <0.2 | <0.2 | 2.7 | 2.7 | | | |
| | | | | | | 3.8 | 0.4 | 258 | 26.7 | 7.8 | 7.8 | 20.7 | 20.7 | 73.5 | 73.5 | 5.2 | 5.2 | 7.4 | 7.4 | 5.3 | 5.3 | 4 | 4 | 90 | 90 | 88 | 822101 | 808824 | <0.2 | <0.2 | 2.3 | 2.3 | | | |
| | | | | | Bottom | 6.6 | 0.3 | 224 | 26.8 | 7.8 | 7.8 | 22.9 | 22.9 | 74.2 | 74.2 | 5.2 | 5.2 | 9.7 | 9.7 | 5.2 | 5.2 | 9.7 | 9.7 | 6 | 6 | 92 | 92 | 88 | 822101 | 808824 | <0.2 | <0.2 | 2.2 | 2.2 | |
| | | | | | | 6.6 | 0.3 | 233 | 26.8 | 7.8 | 7.8 | 22.9 | 22.9 | 74.2 | 74.2 | 5.2 | 5.2 | 9.7 | 9.7 | 5.2 | 5.2 | 9.7 | 9.7 | 5 | 5 | 92 | 92 | 88 | 822101 | 808824 | <0.2 | <0.2 | 2.2 | 2.2 | |
| IM10 | Cloudy | Moderate | 07:30 | 7.2 | Surface | 1.0 | 0.4 | 200 | 26.8 | 26.8 | 7.8 | 7.8 | 22.3 | 22.3 | 71.6 | 71.7 | 5.1 | 5.1 | 7.4 | 7.4 | 4 | 4 | 83 | 83 | 88 | 822252 | 809853 | <0.2 | <0.2 | 2.2 | 2.2 | | | | |
| | | | | | | 1.0 | 0.4 | 217 | 26.8 | 7.8 | 7.8 | 22.3 | 22.3 | 71.7 | 71.7 | 5.1 | 5.1 | 7.5 | 7.5 | 5.1 | 5.1 | 4 | 4 | 83 | 83 | 88 | 822252 | 809853 | <0.2 | <0.2 | 2.3 | 2.3 | | | |
| | | | | | Middle | 3.6 | 0.4 | 200 | 26.7 | 7.8 | 7.8 | 23.0 | 23.0 | 71.8 | 71.8 | 5.1 | 5.1 | 17.3 | 17.3 | 5.1 | 5.1 | 12 | 12 | 91 | 91 | 88 | 822252 | 809853 | <0.2 | <0.2 | 2.3 | 2.3 | | | |
| | | | | | | 3.6 | 0.4 | 213 | 26.7 | 7.8 | 7.8 | 23.0 | 23.0 | 71.8 | 71.8 | 5.1 | 5.1 | 17.0 | 17.0 | 5.1 | 5.1 | 14 | 14 | 89 | 89 | 88 | 822252 | 809853 | <0.2 | <0.2 | 2.2 | 2.2 | | | |
| | | | | | Bottom | 6.2 | 0.4 | 204 | 26.7 | 7.8 | 7.8 | 23.0 | 23.0 | 74.7 | 74.8 | 5.3 | 5.3 | 24.7 | 24.7 | 5.3 | 5.3 | 24.6 | 24.6 | 16 | 16 | 92 | 92 | 88 | 822252 | 809853 | <0.2 | <0.2 | 2.1 | 2.1 | |
| | | | | | | 6.2 | 0.4 | 220 | 26.7 | 7.8 | 7.8 | 23.0 | 23.0 | 74.8 | 74.8 | 5.3 | 5.3 | 24.6 | 24.6 | 5.3 | 5.3 | 24.6 | 24.6 | 18 | 18 | 92 | 92 | 88 | 822252 | 809853 | <0.2 | <0.2 | 2.3 | 2.3 | |
| IM11 | Cloudy | Moderate | 07:22 | 7.9 | Surface | 1.0 | 0.3 | 183 | 26.7 | 26.7 | 7.8 | 7.8 | 22.2 | 22.2 | 75.0 | 75.0 | 5.3 | 5.3 | 8.9 | 8.9 | 7 | 7 | 83 | 83 | 89 | 821512 | 810526 | <0.2 | <0.2 | 2.5 | 2.5 | | | | |
| | | | | | | 1.0 | 0.3 | 183 | 26.7 | 7.8 | 7.8 | 22.2 | 22.2 | 75.0 | 75.0 | 5.3 | 5.3 | 8.9 | 8.9 | 5.3 | 5.3 | 8 | 8 | 86 | 86 | 89 | 821512 | 810526 | <0.2 | <0.2 | 2.4 | 2.4 | | | |
| | | | | | Middle | 4.0 | 0.3 | 181 | 26.7 | 7.8 | 7.8 | 22.3 | 22.3 | 74.4 | 74.4 | 5.3 | 5.3 | 13.0 | 13.0 | 5.3 | 5.3 | 8 | 8 | 90 | 90 | 89 | 821512 | 810526 | <0.2 | <0.2 | 2.5 | 2.5 | | | |
| | | | | | | 4.0 | 0.3 | 183 | 26.7 | 7.8 | 7.8 | 22.3 | 22.3 | 74.3 | 74.4 | 5.3 | 5.3 | 13.3 | 13.3 | 5.3 | 5.3 | 8 | 8 | 89 | 89 | 89 | 821512 | 810526 | <0.2 | <0.2 | 2.5 | 2.5 | | | |
| | | | | | Bottom | 6.9 | 0.3 | 203 | 26.6 | 7.8 | 7.8 | 23.3 | 23.3 | 74.5 | 74.5 | 5.3 | 5.3 | 31.5 | 31.5 | 5.3 | 5.3 | 31.5 | 31.5 | 7 | 7 | 92 | 92 | 89 | 821512 | 810526 | <0.2 | <0.2 | 2.0 | 2.0 | |
| | | | | | | 6.9 | 0.3 | 205 | 26.6 | 7.8 | 7.8 | 23.3 | 23.3 | 74.5 | 74.5 | 5.3 | 5.3 | 31.5 | 31.5 | 5.3 | 5.3 | 31.5 | 31.5 | 7 | 7 | 92 | 92 | 89 | 821512 | 810526 | <0.2 | <0.2 | 2.0 | 2.0 | |
| IM12 | Cloudy | Moderate | 07:15 | 8.4 | Surface | 1.0 | 0.7 | 268 | 26.7 | 26.7 | 7.8 | 7.8 | 22.4 | 22.4 | 74.9 | 74.9 | 5.3 | 5.3 | 7.3 | 7.3 | 5 | 5 | 83 | 83 | 88 | 821150 | 811532 | <0.2 | <0.2 | 2.1 | 2.1 | | | | |
| | | | | | | 1.0 | 0.7 | 290 | 26.7 | 7.8 | 7.8 | 22.4 | 22.4 | 74.8 | 74.9 | 5.3 | 5.3 | 7.4 | 7.4 | 5.3 | 5.3 | 5 | 5 | 82 | 82 | 88 | 821150 | 811532 | <0.2 | <0.2 | 2.1 | 2.1 | | | |
| | | | | | Middle | 4.2 | 0.7 | 269 | 26.7 | 7.8 | 7.8 | 22.5 | 22.5 | 74.3 | 74.3 | 5.3 | 5.3 | 10.2 | 10.2 | 5.3 | 5.3 | 10 | 10 | 89 | 89 | 88 | 821150 | 811532 | <0.2 | <0.2 | 2.0 | 2.0 | | | |
| | | | | | | 4.2 | 0.7 | 284 | 26.7 | 7.8 | 7.8 | 22.5 | 22.5 | 74.3 | 74.3 | 5.3 | 5.3 | 10.4 | 10.4 | 5.3 | 5.3 | 10 | 10 | 90 | 90 | 88 | 821150 | 811532 | <0.2 | <0.2 | 1.8 | 1.8 | | | |
| | | | | | Bottom | 7.4 | 0.5 | 266 | 26.5 | 7.8 | 7.8 | 24.3 | 24.3 | 74.0 | 74.1 | 5.2 | 5.2 | 35.9 | 35.9 | 5.2 | 5.2 | 35.5 | 35.5 | 10 | 10 | 91 | 91 | 88 | 821150 | 811532 | <0.2 | <0.2 | 1.8 | 1.8 | |
| | | | | | | 7.4 | 0.6 | 276 | 26.5 | 7.8 | 7.8 | 24.3 | 24.3 | 74.1 | 74.1 | 5.2 | 5.2 | 35.5 | 35.5 | 5.2 | 5.2 | 35.5 | 35.5 | 11 | 11 | 92 | 92 | 88 | 821150 | 811532 | <0.2 | <0.2 | 1.9 | 1.9 | |
| SR2 | Cloudy | Moderate | 06:54 | 4.6 | Surface | 1.0 | 0.2 | 84 | 26.5 | 26.5 | 7.8 | 7.8 | 24.0 | 24.0 | 74.4 | 74.5 | 5.2 | 5.2 | 19.9 | 19.9 | 21 | 21 | 82 | 82 | 88 | 821470 | 814166 | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| | | | | | | 1.0 | 0.2 | 87 | 26.5 | 26.5 | 7.8 | 7.8 | 24.0 | 24.0 | 74.5 | 74.5 | 5.2 | 5.2 | 20.1 | 20.1 | 5.2 | 5.2 | 20 | 20 | 84 | 84 | 88 | 821470 | 814166 | <0.2 | <0.2 | 1.7 | 1.7 | | |
| | | | | | Middle | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 88 | 821470 | 814166 | <0.2 | <0.2 | - | - | |
| | | | | | | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 88 | 821470 | 814166 | <0.2 | <0.2 | - | - | |
| | | | | | Bottom | 3.6 | 0.2 | 112 | 26.5 | 26.5 | 7.8 | 7.8 | 24.0 | 24.0 | 80.3 | 80.4 | 5.6 | 5.6 | 23.0 | 23.0 | 5.7 | 5.7 | 22.9 | 22.9 | 24 | 24 | 93 | 93 | 88 | 821470 | 814166 | <0.2 | <0.2 | 1.8 | 1.8 |
| | | | | | | 3.6 | 0.3 | 113 | 26.5 | 26.5 | 7.8 | 7.8 | 24.0 | 24.0 | 80.5 | 80.4 | 5.7 | 5.7 | 22.9 | 22.9 | 5.7 | 5.7 | 22.9 | 22.9 | 23 | 23 | 91 | 91 | 88 | 821470 | 814166 | <0.2 | <0.2 | 1.6 | 1.6 |
| SR3 | Cloudy | Moderate | 07:51 | 9.5 | Surface | 1.0 | 0.3 | 199 | 26.8 | 26.8 | 7.7 | 7.7 | 19.4 | 19.4 | 71.3 | 71.3 | 5.1 | 5.1 | 4.5 | 4.5 | 3 | 3 | - | - | - | 822165 | 807574 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.3 | 202 | 26.8 | 26.8 | 7.7 | 7.7 | 19.4 | 19.4 | 71.2 | 71.2 | 5.1 | 5.1 | 4.5 | 4.5 | 5.1 | 5.1 | 3 | 3 | - | - | - | 822165 | 807574 | - | - | - | - | | |
| | | | | | Middle | 4.8 | 0.4 | 250 | 26.8 | 26.8 | 7.7 | 7.7 | 22.1 | 22.1 | 69.6 | 69.6 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4 | 4 | - | - | - | 822165 | 807574 | - | - | - | - | | |
| | | | | | | 4.8 | 0.4 | 274 | 26.8 | 26.8 | 7.7 | 7.7 | 22.1 | 22.1 | 69.6 | 69.6 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 3 | 3 | - | - | - | 822165 | 807574 | - | - | - | - | | |
| | | | | | Bottom | 8.5 | 0.4 | 223 | 26.7 | 26.7 | 7.8 | 7.8 | 22.8 | 22.8 | 74.2 | 74.2 | 5.2 | 5.2 | 8.6 | 8.6 | 5.2 | 5.2 | 8.6 | 8.6 | 5 | 5 | - | 822165 | 807574 | - | - | - | - | | |
| | | | | | | 8.5 | 0.4 | 238 | 26.7 | 26.7 | 7.8 | 7.8 | 22.8 | 22.8 | 74.2 | 74.2 | 5.2 | 5.2 | 8.6 | 8.6 | 5.2 | 5.2 | 8.6 | 8.6 | 4 | 4 | - | 822165 | 807574 | - | - | - | - | | |
| SR4A | Cloudy | Calm | 07:12 | 8.7 | Surface | 1.0 | 0.6 | 235 | 28.0 | 28.0 | 7.8 | 7.8 | 24.7 | 24.7 | 74.7 | 74.8 | 5.1 | 5.1 | 11.8 | 11.8 | 13 | 13 | - | - | - | 817208 | 807798 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.6 | 237 | 28.0 | 28.0 | 7.8 | 7.8 | 24.7 | 24.7 | 74.8 | 74.8 | 5.1 | 5.1 | 11.8 | 11.8 | 5.1 | 5.1 | 14 | 14 | - | - | - | 817208 | 807798 | - | - | - | - | | |
| | | | | | Middle | 4.4 | 0.6 | 253 | 28.1 | 28.1 | 7.8 | 7.8 | 24.7 | 24.7 | 74.8 | 74.8 | 5.1 | 5.1 | 12.6 | 12.6 | 5.1 | 5.1 | 22 | 22 | - | - | - | 817208 | 807798 | - | - | - | - | | |
| | | | | | | 4.4 | 0.6 | 275 | 28.1 | 28.1 | 7.8 | 7.8 | 24.7 | 24.7 | 74.8 | 74.8 | 5.1 | 5.1 | 12.7 | 12.7 | 5.1 | 5.1 | 23 | 23 | - | - | - | 817208 | 807798 | - | - | - | - | | |
| | | | | | Bottom | 7.7 | 0.4 | 242 | 28.0 | 28.0 | 7.8 | 7.8 | 24.8 | 24.8 | 75.3 | 75.3 | 5.1 | 5.1 | 17.7 | 17.7 | 5.1 | 5.1 | 17.8 | 17.8 | 24 | 24 | - | 817208 | 807798 | - | - | - | - | | |
| | | | | | | 7.7 | 0.5 | 265 | 28.0 | 28.0 | 7.8 | 7.8 | 24.8 | 24.8 | 75.3 | 75.3 | 5.1 | 5.1 | 17.8 | 17.8 | 5.1 | 5.1 | 17.8 | 17.8 | 24 | 24 | - | 817208 | 807798 | - | - | - | - | | |
| SR5A | Cloudy | Calm | 06:56 | 4.2 | Surface | 1.0 | 0.3 | 282 | 28.1 | 28.1 | 7.8 | 7.8 | 24.9 | 24 | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 03 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|-----|------------------------|-----|-------------------------------|------------------------------|-----------------|------|---------------|------|-------|------|-------|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Cloudy | Moderate | 13:37 | 8.8 | Surface | 1.0 | 0.7 | 233 | 28.9 | 28.9 | 7.9 | 7.9 | 25.5 | 25.5 | 84.2 | 84.2 | 5.6 | 5.6 | 3.3 | 3.4 | 6 | 6 | 94 | 96 | 815609 | 804260 | <0.2 | <0.2 | 1.4 | 1.3 | | | | |
| | | | | | | 1.0 | 0.7 | 245 | 28.9 | 7.9 | 7.9 | 25.5 | 25.5 | 84.1 | 84.2 | 5.6 | 5.6 | 3.4 | 3.4 | 6 | 6 | 96 | 96 | | | | | | | | | | | |
| | | | | | Middle | 4.4 | 0.7 | 209 | 27.9 | 27.9 | 7.9 | 7.9 | 28.4 | 28.4 | 74.1 | 74.0 | 5.0 | 4.9 | 8.7 | 9.6 | 7 | 7 | 105 | 104 | | | | | 1.0 | 1.2 | | | | |
| | | | | | | 4.4 | 0.8 | 222 | 27.9 | 27.9 | 7.9 | 7.9 | 28.4 | 28.4 | 73.9 | 74.0 | 4.9 | 4.9 | 9.6 | 9.6 | 7 | 7 | 105 | 104 | | | | | <0.2 | <0.2 | 1.2 | 1.1 | | |
| | | | | | Bottom | 7.8 | 0.6 | 204 | 27.7 | 27.7 | 7.9 | 7.9 | 29.5 | 29.5 | 71.1 | 71.1 | 4.7 | 4.7 | 40.9 | 40.9 | 4.7 | 4.7 | 70 | 68 | | | | | 112 | 117 | <0.2 | <0.2 | 1.1 | 0.9 |
| | | | | | | 7.8 | 0.7 | 219 | 27.7 | 27.7 | 7.9 | 7.9 | 29.5 | 29.5 | 71.1 | 71.1 | 4.7 | 4.7 | 40.9 | 40.9 | 4.7 | 4.7 | 70 | 68 | | | | | 112 | 117 | <0.2 | <0.2 | 1.1 | 0.9 |
| C2 | Cloudy | Moderate | 12:32 | 12.9 | Surface | 1.0 | 0.2 | 133 | 26.5 | 26.5 | 7.8 | 7.8 | 27.7 | 27.7 | 69.7 | 69.7 | 4.8 | 4.8 | 10.6 | 10.6 | 10 | 11 | 81 | 83 | 825686 | 806963 | <0.2 | <0.2 | 2.0 | 2.1 | | | | |
| | | | | | | 1.0 | 0.2 | 135 | 26.5 | 26.5 | 7.8 | 7.8 | 27.7 | 27.7 | 69.7 | 69.7 | 4.8 | 4.8 | 10.6 | 10.6 | 10 | 11 | 83 | 83 | | | | | | | | | | |
| | | | | | Middle | 6.5 | 0.4 | 84 | 26.4 | 26.4 | 7.8 | 7.8 | 28.1 | 28.1 | 70.5 | 70.5 | 4.8 | 4.9 | 10.1 | 10.0 | 13 | 12 | 89 | 90 | | | | | 1.9 | 1.8 | | | | |
| | | | | | | 6.5 | 0.4 | 92 | 26.4 | 26.4 | 7.8 | 7.8 | 28.1 | 28.1 | 70.5 | 70.5 | 4.9 | 4.9 | 10.0 | 10.0 | 12 | 12 | 90 | 90 | | | | | <0.2 | <0.2 | 1.8 | 1.9 | | |
| | | | | | Bottom | 11.9 | 0.4 | 53 | 26.3 | 26.3 | 7.8 | 7.8 | 29.7 | 29.7 | 72.7 | 72.7 | 5.0 | 5.0 | 9.4 | 9.4 | 14 | 14 | 92 | 92 | | | | | 92 | 92 | <0.2 | <0.2 | 1.9 | 1.8 |
| | | | | | | 11.9 | 0.4 | 58 | 26.3 | 26.3 | 7.8 | 7.8 | 29.7 | 29.7 | 72.7 | 72.7 | 5.0 | 5.0 | 9.4 | 9.4 | 13 | 13 | 92 | 92 | | | | | 92 | 92 | <0.2 | <0.2 | 1.9 | 1.8 |
| C3 | Cloudy | Moderate | 14:23 | 10.9 | Surface | 1.0 | 0.4 | 176 | 26.8 | 26.8 | 7.9 | 7.9 | 26.8 | 26.8 | 73.5 | 73.5 | 5.1 | 5.1 | 6.5 | 6.5 | 8 | 8 | 85 | 87 | 822124 | 817803 | <0.2 | <0.2 | 1.8 | 1.6 | | | | |
| | | | | | | 1.0 | 0.5 | 181 | 26.8 | 26.8 | 7.9 | 7.9 | 26.8 | 26.8 | 73.5 | 73.5 | 5.1 | 5.1 | 6.5 | 6.5 | 8 | 8 | 87 | 87 | | | | | | | | | | |
| | | | | | Middle | 5.5 | 0.3 | 177 | 26.5 | 26.5 | 7.9 | 7.9 | 27.4 | 27.4 | 69.5 | 69.5 | 4.8 | 4.8 | 9.9 | 10.0 | 10 | 10 | 90 | 90 | | | | | 1.6 | 1.6 | | | | |
| | | | | | | 5.5 | 0.4 | 183 | 26.5 | 26.5 | 7.9 | 7.9 | 27.4 | 27.4 | 69.5 | 69.5 | 4.8 | 4.8 | 10.0 | 10.0 | 10 | 10 | 90 | 90 | | | | | <0.2 | <0.2 | 1.6 | 1.6 | | |
| | | | | | Bottom | 9.9 | 0.3 | 163 | 26.2 | 26.2 | 7.9 | 7.9 | 28.0 | 28.0 | 69.4 | 69.4 | 4.8 | 4.8 | 14.4 | 14.4 | 12 | 12 | 93 | 93 | | | | | 1.6 | 1.6 | | | | |
| | | | | | | 9.9 | 0.3 | 163 | 26.2 | 26.2 | 7.9 | 7.9 | 28.0 | 28.0 | 69.4 | 69.4 | 4.8 | 4.8 | 14.4 | 14.4 | 13 | 13 | 93 | 93 | | | | | <0.2 | <0.2 | 1.6 | 1.6 | | |
| IM1 | Cloudy | Moderate | 13:17 | 7.8 | Surface | 1.0 | 0.6 | 174 | 28.4 | 28.4 | 7.9 | 7.9 | 26.0 | 26.0 | 78.6 | 78.6 | 5.3 | 5.3 | 3.6 | 3.5 | 6 | 7 | 101 | 100 | 818354 | 806460 | <0.2 | <0.2 | 1.4 | 1.4 | | | | |
| | | | | | | 1.0 | 0.6 | 183 | 28.4 | 28.4 | 7.9 | 7.9 | 26.0 | 26.0 | 78.5 | 78.6 | 5.3 | 5.3 | 3.5 | 3.5 | 7 | 7 | 100 | 100 | | | | | | | | | | |
| | | | | | Middle | 3.9 | 0.5 | 182 | 27.8 | 27.8 | 7.9 | 7.9 | 28.4 | 28.4 | 72.0 | 72.0 | 4.8 | 4.8 | 7.3 | 7.4 | 8 | 8 | 100 | 100 | | | | | 1.2 | 1.2 | | | | |
| | | | | | | 3.9 | 0.5 | 183 | 27.8 | 27.8 | 7.9 | 7.9 | 28.4 | 28.4 | 72.0 | 72.0 | 4.8 | 4.8 | 7.4 | 7.4 | 8 | 8 | 100 | 100 | | | | | <0.2 | <0.2 | 1.2 | 1.2 | | |
| | | | | | Bottom | 6.8 | 0.5 | 183 | 27.8 | 27.8 | 7.9 | 7.9 | 28.8 | 28.8 | 72.7 | 72.8 | 4.9 | 4.9 | 10.1 | 10.2 | 14 | 15 | 99 | 98 | | | | | 1.2 | 1.2 | | | | |
| | | | | | | 6.8 | 0.5 | 198 | 27.8 | 27.8 | 7.9 | 7.9 | 28.8 | 28.8 | 72.8 | 72.8 | 4.9 | 4.9 | 10.2 | 10.2 | 15 | 15 | 98 | 98 | | | | | <0.2 | <0.2 | 1.2 | 1.2 | | |
| IM2 | Cloudy | Moderate | 13:11 | 8.9 | Surface | 1.0 | 0.5 | 216 | 28.5 | 28.5 | 7.9 | 7.9 | 25.4 | 25.4 | 81.0 | 81.0 | 5.4 | 5.4 | 3.6 | 3.4 | 6 | 6 | 97 | 96 | 818844 | 806187 | <0.2 | <0.2 | 1.5 | 1.8 | | | | |
| | | | | | | 1.0 | 0.5 | 237 | 28.5 | 28.5 | 7.9 | 7.9 | 25.4 | 25.4 | 81.0 | 81.0 | 5.4 | 5.4 | 3.4 | 3.4 | 6 | 6 | 96 | 96 | | | | | | | | | | |
| | | | | | Middle | 4.5 | 0.5 | 196 | 28.0 | 28.0 | 7.9 | 7.9 | 27.4 | 27.4 | 73.1 | 73.1 | 4.9 | 4.9 | 7.5 | 7.6 | 10 | 10 | 98 | 98 | | | | | 1.5 | 1.3 | | | | |
| | | | | | | 4.5 | 0.5 | 201 | 28.0 | 28.0 | 7.9 | 7.9 | 27.4 | 27.4 | 73.1 | 73.1 | 4.9 | 4.9 | 7.6 | 7.6 | 10 | 10 | 98 | 98 | | | | | <0.2 | <0.2 | 1.3 | 1.1 | | |
| | | | | | Bottom | 7.9 | 0.6 | 189 | 27.8 | 27.8 | 7.9 | 7.9 | 29.1 | 29.1 | 72.1 | 72.3 | 4.8 | 4.8 | 11.4 | 11.0 | 18 | 18 | 97 | 98 | | | | | 1.1 | 1.1 | | | | |
| | | | | | | 7.9 | 0.6 | 207 | 27.8 | 27.8 | 7.9 | 7.9 | 29.1 | 29.1 | 72.5 | 72.3 | 4.8 | 4.8 | 11.0 | 11.0 | 18 | 18 | 98 | 98 | | | | | <0.2 | <0.2 | 1.1 | 1.1 | | |
| IM3 | Cloudy | Moderate | 13:03 | 8.9 | Surface | 1.0 | 0.4 | 190 | 29.2 | 29.2 | 7.8 | 7.8 | 23.3 | 23.3 | 81.5 | 81.4 | 5.5 | 5.5 | 2.8 | 2.7 | 6 | 6 | 91 | 87 | 819396 | 806025 | <0.2 | <0.2 | 1.3 | 1.8 | | | | |
| | | | | | | 1.0 | 0.4 | 197 | 29.2 | 29.2 | 7.8 | 7.8 | 23.3 | 23.3 | 81.3 | 81.3 | 5.5 | 5.5 | 2.7 | 2.7 | 6 | 6 | 87 | 87 | | | | | | | | | | |
| | | | | | Middle | 4.5 | 0.5 | 183 | 28.6 | 28.6 | 7.9 | 7.9 | 26.2 | 26.2 | 77.3 | 77.3 | 5.2 | 5.2 | 5.6 | 5.5 | 9 | 9 | 96 | 95 | | | | | 1.4 | 1.5 | | | | |
| | | | | | | 4.5 | 0.5 | 183 | 28.6 | 28.6 | 7.9 | 7.9 | 26.2 | 26.2 | 77.3 | 77.3 | 5.2 | 5.2 | 5.5 | 5.5 | 9 | 9 | 95 | 95 | | | | | <0.2 | <0.2 | 1.5 | 1.1 | | |
| | | | | | Bottom | 7.9 | 0.4 | 162 | 27.8 | 27.8 | 7.9 | 7.9 | 29.2 | 29.2 | 72.3 | 72.4 | 4.8 | 4.8 | 15.2 | 15.3 | 21 | 20 | 98 | 98 | | | | | 1.1 | 1.2 | | | | |
| | | | | | | 7.9 | 0.4 | 175 | 27.8 | 27.8 | 7.9 | 7.9 | 29.2 | 29.2 | 72.4 | 72.4 | 4.8 | 4.8 | 15.3 | 15.3 | 20 | 20 | 98 | 98 | | | | | <0.2 | <0.2 | 1.1 | 1.2 | | |
| IM4 | Cloudy | Moderate | 12:54 | 8.8 | Surface | 1.0 | 0.5 | 174 | 28.2 | 28.2 | 7.9 | 7.9 | 27.5 | 27.5 | 73.0 | 73.0 | 4.9 | 4.9 | 11.3 | 11.4 | 15 | 14 | 101 | 99 | 819584 | 805047 | <0.2 | <0.2 | 1.8 | 1.4 | | | | |
| | | | | | | 1.0 | 0.5 | 177 | 28.2 | 28.2 | 7.9 | 7.9 | 27.5 | 27.5 | 73.0 | 73.0 | 4.9 | 4.9 | 11.4 | 11.4 | 14 | 14 | 99 | 99 | | | | | | | | | | |
| | | | | | Middle | 4.4 | 0.5 | 162 | 27.8 | 27.8 | 7.9 | 7.9 | 28.8 | 28.8 | 70.4 | 70.4 | 4.7 | 4.7 | 14.8 | 14.5 | 24 | 24 | 103 | 102 | | | | | 1.2 | 1.0 | | | | |
| | | | | | | 4.4 | 0.5 | 173 | 27.8 | 27.8 | 7.9 | 7.9 | 28.8 | 28.8 | 70.3 | 70.3 | 4.7 | 4.7 | 14.5 | 14.5 | 24 | 24 | 102 | 106 | | | | | <0.2 | <0.2 | 1.0 | 1.0 | | |
| | | | | | Bottom | 7.8 | 0.4 | 169 | 27.7 | 27.7 | 7.9 | 7.9 | 29.9 | 29.9 | 70.2 | 70.3 | 4.7 | 4.7 | 13.4 | 13.7 | 24 | 24 | 106 | 104 | | | | | 1.0 | 0.9 | | | | |
| | | | | | | 7.8 | 0.4 | 178 | 27.7 | 27.7 | 7.9 | 7.9 | 29.9 | 29.9 | 70.4 | 70.3 | 4.7 | 4.7 | 13.7 | 13.7 | 24 | 24 | 104 | 104 | | | | | <0.2 | <0.2 | 0.9 | 0.9 | | |
| IM5 | Cloudy | Moderate | 12:46 | 7.2 | Surface | 1.0 | 0.5 | 176 | 28.1 | 28.2 | 7.9 | 7.9 | 27.2 | 27.2 | 73.0 | 73.0 | 4.9 | 4.9 | 11.8 | 12.2 | 17 | 18 | 103 | 102 | 820547 | 804916 | <0.2 | <0.2 | 1.3 | 1.2 | | | | |
| | | | | | | 1.0 | 0.5 | 188 | 28.2 | 28.2 | 7.9 | 7.9 | 27.1 | 27.1 | 72.9 | 72.9 | 4.9 | 4.9 | 12.2 | 12.2 | 18 | 18 | 102 | 102 | | | | | | | | | | |
| | | | | | Middle | 3.6 | 0.4 | 162 | 27.8 | 27.8 | 7.9 | 7.9 | 28.4 | 28.4 | 72.0 | 72.1 | 4.8 | 4.8 | 17.3 | 17.6 | 30 | 29 | 101 | 103 | | | | | 1.1 | 1.3 | | | | |
| | | | | | | 3.6 | 0.5 | 162 | 27.8 | 27.8 | 7.9 | 7.9 | 28.4 | 28.4 | 72.1 | 72.1 | 4.8 | 4.8 | 17.6 | 17.6 | 29 | 29 | 103 | 100 | | | | | <0.2 | <0.2 | 1.3 | 1.0 | | |
| | | | | | Bottom | 6.2 | 0.4 | 159 | 27.8 | 27.8 | 7.9 | 7.9 | 28.7 | 28.8 | 73.7 | 74.2 | 4.9 | 5.0 | 19.7 | 19.2 | 38 | 38 | 100 | 100 | | | | | 1.0 | 1.1 | | | | |
| | | | | | | 6.2 | 0.4 | 166 | 27.8 | 27.8 | 7.9 | 7.9 | 28.8 | 28.8 | 74.6 | 74.6 | 5.0 | 5.0 | 19.2 | 19.2 | 38 | 38 | 100 | 100 | | | | | <0.2 | <0.2 | 1.0 | 1.1 | | |
| IM6 | Fine | Moderate | 12:38 | 7.3 | Surface | 1.0 | 0.6 | 176 | 28.2 | 28.2 | 7.8 | 7.8 | 25.8 | 25.8 | 74.0 | 74.0 | 5.0 | 5.0 | 8.6 | 8.6 | 14 | 14 | 93 | 91 | 821043 | 805818 | <0.2 | <0.2 | 1.6 | 1.3 | | | | |
| | | | | | | 1.0 | 0.6 | 182 | 28.2 | 28.2 | 7.8 | 7.8 | 25.8 | 25.8 | 74.0 | 74.0 | 5.0 | 5.0 | 8.6 | 8.6 | 14 | 14 | 91 | 91 | | | | | | | | | | |
| | | | | | Middle | 3.7 | 0.5 | 174 | 28.0 | 28. | | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 03 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|----|------------------------|----|-------------------------------|------------------------------|-----------------|--------|---------------|-----|-------|----|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Moderate | 13:20 | 7.8 | Surface | 1.0 | 0.6 | 148 | 28.1 | 28.1 | 7.8 | 7.8 | 24.0 | 24.0 | 77.9 | 77.9 | 5.3 | 5.3 | 8.7 | 8.7 | 3 | 3 | 83 | 83 | 822108 | 808818 | <0.2 | <0.2 | 2.3 | 2.2 | | | |
| | | | | | | 1.0 | 0.6 | 150 | 28.1 | 28.1 | 7.8 | 7.8 | 24.0 | 24.0 | 77.8 | 77.8 | 5.3 | 5.3 | 8.9 | 8.9 | 3 | 3 | 84 | 84 | 822108 | 808818 | <0.2 | <0.2 | 2.7 | 2.2 | | | |
| | | | | | Middle | 3.9 | 0.5 | 138 | 26.5 | 26.5 | 7.9 | 7.9 | 27.5 | 27.5 | 75.3 | 75.4 | 5.2 | 5.2 | 19.1 | 19.1 | 18 | 18 | 90 | 90 | 822108 | 808818 | <0.2 | <0.2 | 2.2 | 2.2 | | | |
| | | | | | | 3.9 | 0.5 | 145 | 26.5 | 26.5 | 7.9 | 7.9 | 27.5 | 27.5 | 75.4 | 75.4 | 5.2 | 5.2 | 19.2 | 19.2 | 19 | 19 | 89 | 89 | 822108 | 808818 | <0.2 | <0.2 | 2.3 | 2.2 | | | |
| | | | | | Bottom | 6.8 | 0.4 | 120 | 26.6 | 26.6 | 7.9 | 7.9 | 27.7 | 27.7 | 76.7 | 76.8 | 5.3 | 5.3 | 19.7 | 19.7 | 19 | 19 | 93 | 93 | 822108 | 808818 | <0.2 | <0.2 | 1.7 | 2.0 | | | |
| | | | | | | 6.8 | 0.4 | 127 | 26.6 | 26.6 | 7.9 | 7.9 | 27.7 | 27.7 | 76.8 | 76.8 | 5.3 | 5.3 | 19.7 | 19.7 | 20 | 20 | 92 | 92 | 822108 | 808818 | <0.2 | <0.2 | 2.0 | 2.0 | | | |
| IM10 | Cloudy | Moderate | 13:28 | 8.4 | Surface | 1.0 | 0.7 | 134 | 27.1 | 27.1 | 7.8 | 7.8 | 24.3 | 24.3 | 74.9 | 75.0 | 5.2 | 5.2 | 8.6 | 8.6 | 6 | 6 | 84 | 84 | 822233 | 809842 | <0.2 | <0.2 | 2.0 | 2.0 | | | |
| | | | | | | 1.0 | 0.8 | 137 | 27.1 | 27.1 | 7.8 | 7.8 | 24.3 | 24.3 | 75.0 | 75.0 | 5.2 | 5.2 | 8.7 | 8.7 | 6 | 6 | 84 | 84 | 822233 | 809842 | <0.2 | <0.2 | 1.7 | 2.0 | | | |
| | | | | | Middle | 4.2 | 0.5 | 120 | 26.6 | 26.6 | 7.9 | 7.9 | 26.1 | 26.1 | 74.9 | 74.9 | 5.2 | 5.2 | 19.8 | 19.8 | 8 | 8 | 91 | 91 | 822233 | 809842 | <0.2 | <0.2 | 1.8 | 2.0 | | | |
| | | | | | | 4.2 | 0.6 | 126 | 26.6 | 26.6 | 7.9 | 7.9 | 26.1 | 26.1 | 74.9 | 74.9 | 5.2 | 5.2 | 19.9 | 19.9 | 8 | 8 | 90 | 90 | 822233 | 809842 | <0.2 | <0.2 | 2.0 | 2.0 | | | |
| | | | | | Bottom | 7.4 | 0.4 | 108 | 26.5 | 26.5 | 7.9 | 7.9 | 27.8 | 27.8 | 77.2 | 77.2 | 5.3 | 5.3 | 45.4 | 45.4 | 8 | 8 | 93 | 93 | 822233 | 809842 | <0.2 | <0.2 | 2.3 | 2.1 | | | |
| | | | | | | 7.4 | 0.4 | 109 | 26.5 | 26.5 | 7.9 | 7.9 | 27.8 | 27.8 | 77.2 | 77.2 | 5.3 | 5.3 | 45.4 | 45.4 | 8 | 8 | 93 | 93 | 822233 | 809842 | <0.2 | <0.2 | 2.1 | 2.1 | | | |
| IM11 | Cloudy | Moderate | 13:34 | 6.8 | Surface | 1.0 | 0.8 | 128 | 27.4 | 27.4 | 7.8 | 7.8 | 24.4 | 24.4 | 77.0 | 77.0 | 5.3 | 5.3 | 7.4 | 7.4 | 7 | 7 | 83 | 83 | 821496 | 810546 | <0.2 | <0.2 | 2.1 | 1.9 | | | |
| | | | | | | 1.0 | 0.9 | 136 | 27.4 | 27.4 | 7.8 | 7.8 | 24.4 | 24.4 | 77.0 | 77.0 | 5.3 | 5.3 | 7.5 | 7.5 | 6 | 6 | 84 | 84 | 821496 | 810546 | <0.2 | <0.2 | 2.2 | 1.9 | | | |
| | | | | | Middle | 3.4 | 0.8 | 117 | 26.8 | 26.8 | 7.9 | 7.9 | 26.3 | 26.3 | 76.6 | 76.6 | 5.3 | 5.3 | 14.9 | 14.9 | 7 | 7 | 89 | 89 | 821496 | 810546 | <0.2 | <0.2 | 1.8 | 1.9 | | | |
| | | | | | | 3.4 | 0.8 | 122 | 26.8 | 26.8 | 7.9 | 7.9 | 26.3 | 26.3 | 76.6 | 76.6 | 5.3 | 5.3 | 15.2 | 15.2 | 8 | 8 | 89 | 89 | 821496 | 810546 | <0.2 | <0.2 | 1.8 | 1.9 | | | |
| | | | | | Bottom | 5.8 | 0.6 | 103 | 26.7 | 26.7 | 7.9 | 7.9 | 27.6 | 27.6 | 78.7 | 78.8 | 5.4 | 5.4 | 23.6 | 23.6 | 10 | 10 | 91 | 91 | 821496 | 810546 | <0.2 | <0.2 | 1.6 | 1.8 | | | |
| | | | | | | 5.8 | 0.7 | 108 | 26.7 | 26.7 | 7.9 | 7.9 | 27.6 | 27.6 | 78.8 | 78.8 | 5.4 | 5.4 | 23.3 | 23.3 | 10 | 10 | 91 | 91 | 821496 | 810546 | <0.2 | <0.2 | 1.8 | 1.8 | | | |
| IM12 | Cloudy | Moderate | 13:41 | 9.3 | Surface | 1.0 | 0.9 | 111 | 27.4 | 27.4 | 7.9 | 7.9 | 24.3 | 24.3 | 82.8 | 82.8 | 5.7 | 5.7 | 6.2 | 6.2 | 4 | 4 | 83 | 83 | 821173 | 811509 | <0.2 | <0.2 | 2.5 | 2.1 | | | |
| | | | | | | 1.0 | 0.9 | 114 | 27.4 | 27.4 | 7.9 | 7.9 | 24.3 | 24.3 | 82.7 | 82.7 | 5.7 | 5.7 | 6.2 | 6.2 | 4 | 4 | 84 | 84 | 821173 | 811509 | <0.2 | <0.2 | 2.4 | 2.1 | | | |
| | | | | | Middle | 4.7 | 0.7 | 98 | 26.7 | 26.7 | 7.9 | 7.9 | 26.7 | 26.7 | 76.6 | 76.6 | 5.3 | 5.3 | 22.5 | 22.5 | 5 | 5 | 89 | 89 | 821173 | 811509 | <0.2 | <0.2 | 1.9 | 2.1 | | | |
| | | | | | | 4.7 | 0.7 | 106 | 26.7 | 26.7 | 7.9 | 7.9 | 26.7 | 26.7 | 76.6 | 76.6 | 5.3 | 5.3 | 22.4 | 22.4 | 4 | 4 | 90 | 90 | 821173 | 811509 | <0.2 | <0.2 | 1.9 | 2.1 | | | |
| | | | | | Bottom | 8.3 | 0.6 | 93 | 26.6 | 26.6 | 7.9 | 7.9 | 27.4 | 27.4 | 77.8 | 77.8 | 5.4 | 5.4 | 30.2 | 30.2 | 4 | 4 | 93 | 93 | 821173 | 811509 | <0.2 | <0.2 | 1.9 | 2.1 | | | |
| | | | | | | 8.3 | 0.6 | 102 | 26.6 | 26.6 | 7.9 | 7.9 | 27.4 | 27.4 | 77.8 | 77.8 | 5.4 | 5.4 | 30.2 | 30.2 | 5 | 5 | 92 | 92 | 821173 | 811509 | <0.2 | <0.2 | 1.8 | 2.1 | | | |
| SR2 | Cloudy | Moderate | 14:03 | 5.3 | Surface | 1.0 | 0.3 | 199 | 27.1 | 27.1 | 7.8 | 7.8 | 24.8 | 24.8 | 79.9 | 79.9 | 5.5 | 5.5 | 11.6 | 11.6 | 9 | 9 | 84 | 84 | 821469 | 814167 | <0.2 | <0.2 | 1.9 | 1.7 | | | |
| | | | | | | 1.0 | 0.3 | 217 | 27.1 | 27.1 | 7.8 | 7.8 | 24.8 | 24.8 | 79.9 | 79.9 | 5.5 | 5.5 | 11.6 | 11.6 | 8 | 8 | 85 | 85 | 821469 | 814167 | <0.2 | <0.2 | 1.8 | 1.7 | | | |
| | | | | | Middle | 2.7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | 2.7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | Bottom | 4.3 | 0.3 | 225 | 26.7 | 26.7 | 7.9 | 7.9 | 26.1 | 26.1 | 76.4 | 76.4 | 5.3 | 5.3 | 26.8 | 26.8 | 28 | 28 | 90 | 90 | 821469 | 814167 | <0.2 | <0.2 | 1.5 | 1.7 | | | |
| | | | | | | 4.3 | 0.3 | 241 | 26.7 | 26.7 | 7.9 | 7.9 | 26.1 | 26.1 | 76.4 | 76.4 | 5.3 | 5.3 | 26.8 | 26.8 | 27 | 27 | 89 | 89 | 821469 | 814167 | <0.2 | <0.2 | 1.6 | 1.7 | | | |
| SR3 | Cloudy | Moderate | 13:06 | 9.7 | Surface | 1.0 | 0.4 | 187 | 27.7 | 27.7 | 7.8 | 7.8 | 24.0 | 24.0 | 75.5 | 75.5 | 5.2 | 5.2 | 8.6 | 8.6 | 5 | 5 | - | - | 822151 | 807554 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.4 | 191 | 27.7 | 27.7 | 7.8 | 7.8 | 24.0 | 24.0 | 75.5 | 75.5 | 5.2 | 5.2 | 8.6 | 8.6 | 4 | 4 | - | - | 822151 | 807554 | - | - | - | - | | | |
| | | | | | Middle | 4.9 | 0.3 | 171 | 26.6 | 26.6 | 7.8 | 7.8 | 26.4 | 26.4 | 74.3 | 74.4 | 5.1 | 5.1 | 14.5 | 14.5 | 5 | 5 | - | - | - | - | 822151 | 807554 | - | - | - | - | |
| | | | | | | 4.9 | 0.3 | 187 | 26.6 | 26.6 | 7.8 | 7.8 | 26.4 | 26.4 | 74.4 | 74.4 | 5.2 | 5.2 | 14.6 | 14.6 | 5 | 5 | - | - | - | - | 822151 | 807554 | - | - | - | - | |
| | | | | | Bottom | 8.7 | 0.4 | 97 | 26.6 | 26.6 | 7.9 | 7.9 | 27.7 | 27.7 | 76.3 | 76.3 | 5.2 | 5.2 | 17.7 | 17.7 | 16 | 16 | - | - | - | - | 822151 | 807554 | - | - | - | - | |
| | | | | | | 8.7 | 0.4 | 98 | 26.6 | 26.6 | 7.9 | 7.9 | 27.7 | 27.7 | 76.3 | 76.3 | 5.2 | 5.2 | 17.7 | 17.7 | 16 | 16 | - | - | - | - | 822151 | 807554 | - | - | - | - | |
| SR4A | Cloudy | Calm | 14:01 | 8.3 | Surface | 1.0 | 0.4 | 113 | 28.4 | 28.4 | 7.9 | 7.9 | 26.7 | 26.7 | 76.2 | 76.2 | 5.1 | 5.1 | 13.4 | 13.4 | 21 | 21 | - | - | 817187 | 807820 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.4 | 118 | 28.4 | 28.4 | 7.9 | 7.9 | 26.7 | 26.7 | 76.2 | 76.2 | 5.1 | 5.1 | 13.1 | 13.1 | 22 | 22 | - | - | 817187 | 807820 | - | - | - | - | | | |
| | | | | | Middle | 4.2 | 0.4 | 97 | 28.3 | 28.3 | 7.9 | 7.9 | 26.8 | 26.8 | 75.0 | 75.0 | 5.0 | 5.0 | 14.6 | 14.6 | 24 | 24 | - | - | - | - | 817187 | 807820 | - | - | - | - | |
| | | | | | | 4.2 | 0.4 | 105 | 28.3 | 28.3 | 7.9 | 7.9 | 26.8 | 26.8 | 74.9 | 75.0 | 5.0 | 5.0 | 14.5 | 14.5 | 25 | 25 | - | - | - | - | 817187 | 807820 | - | - | - | - | |
| | | | | | Bottom | 7.3 | 0.3 | 108 | 27.9 | 27.9 | 7.9 | 7.9 | 27.7 | 27.7 | 72.7 | 72.7 | 4.9 | 4.9 | 22.7 | 22.7 | 42 | 42 | - | - | - | - | 817187 | 807820 | - | - | - | - | |
| | | | | | | 7.3 | 0.3 | 117 | 27.9 | 27.9 | 7.9 | 7.9 | 27.7 | 27.7 | 72.7 | 72.7 | 4.9 | 4.9 | 22.7 | 22.7 | 42 | 42 | - | - | - | - | 817187 | 807820 | - | - | - | - | |
| SR5A | Cloudy | Calm | 14:21 | 4.7 | Surface | 1.0 | 0.1 | 120 | 28.8 | 28.8 | 7.8 | 7.8 | 24.4 | 24.5 | 78.5 | 78.5 | 5.3 | 5.3 | 5.8 | 5.8 | 11 | 11 | - | - | 816579 | 810713 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.1 | 130 | 28.8 | 28.8 | 7.8 | 7.8 | 24.5 | 24.5 | 78.4 | 78.4 | 5.3 | 5.3 | 6.0 | 6.0 | 11 | 11 | - | - | 816579 | 810713 | - | - | - | - | | | |
| | | | | | Middle | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | Bottom | 3.7 | 0.1 | 120 | 28.3 | 28.3 | 7.8 | 7.8 | 24.9 | 24.9 | 75.0 | | | | | | | | | | | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 06 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|-------------------------|-----|----------------|----|-------------------------|-----|------------------------|--------|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Cloudy | Moderate | 09:51 | 8.7 | Surface | 1.0 | 0.6 | 46 | 28.0 | 28.0 | 7.8 | 7.8 | 26.0 | 26.0 | 71.9 | 71.9 | 4.9 | 4.8 | 4.4 | 6 | 97 | 102 | 815604 | 804248 | <0.2 | <0.2 | 1.8 | 1.5 | | | | |
| | | | | | | 1.0 | 0.6 | 46 | 28.0 | 28.0 | 7.8 | 7.8 | 26.0 | 26.0 | 71.9 | 71.9 | 4.9 | 4.8 | 4.6 | 7 | 99 | 102 | 815604 | 804248 | <0.2 | <0.2 | 1.8 | 1.5 | | | | |
| | | | | | | 4.4 | 0.6 | 49 | 27.8 | 27.8 | 7.9 | 7.9 | 28.9 | 29.0 | 68.6 | 68.6 | 4.6 | 4.8 | 18.5 | 22 | 104 | 102 | 815604 | 804248 | <0.2 | <0.2 | 1.8 | 1.5 | | | | |
| | | | | | Middle | 4.4 | 0.7 | 52 | 27.8 | 27.8 | 7.9 | 7.9 | 29.0 | 29.0 | 68.6 | 68.6 | 4.6 | 4.6 | 18.7 | 23 | 106 | 25 | 102 | 815604 | 804248 | <0.2 | <0.2 | 1.2 | 1.5 | | | |
| | | | | | | 7.7 | 0.6 | 50 | 27.8 | 27.8 | 7.9 | 7.9 | 29.5 | 29.5 | 69.0 | 69.1 | 4.6 | 4.6 | 41.7 | 47 | 102 | 25 | 102 | 815604 | 804248 | <0.2 | <0.2 | 1.3 | 1.5 | | | |
| | | | | | | 7.7 | 0.6 | 52 | 27.8 | 27.8 | 7.9 | 7.9 | 29.5 | 29.5 | 69.1 | 69.1 | 4.6 | 4.6 | 41.6 | 47 | 103 | 25 | 103 | 815604 | 804248 | <0.2 | <0.2 | 1.1 | 1.5 | | | |
| C2 | Cloudy | Moderate | 10:26 | 12.6 | Surface | 1.0 | 0.3 | 147 | 26.3 | 26.3 | 7.9 | 7.9 | 24.3 | 24.3 | 67.9 | 67.9 | 4.8 | 4.8 | 10.1 | 5 | 85 | 89 | 825687 | 806945 | <0.2 | <0.2 | 3.3 | 2.5 | | | | |
| | | | | | | 1.0 | 0.4 | 147 | 26.3 | 26.3 | 7.9 | 7.9 | 24.3 | 24.3 | 67.9 | 67.9 | 4.8 | 4.8 | 10.1 | 7 | 86 | 89 | 825687 | 806945 | <0.2 | <0.2 | 3.3 | 2.5 | | | | |
| | | | | | | 6.3 | 0.5 | 176 | 26.2 | 26.2 | 7.9 | 7.9 | 26.0 | 26.0 | 69.2 | 69.3 | 4.8 | 4.8 | 17.0 | 5 | 89 | 89 | 825687 | 806945 | <0.2 | <0.2 | 2.2 | 2.5 | | | | |
| | | | | | Middle | 6.3 | 0.5 | 189 | 26.2 | 26.2 | 7.9 | 7.9 | 26.0 | 26.0 | 69.3 | 69.3 | 4.8 | 4.8 | 17.5 | 5 | 90 | 6 | 90 | 89 | 825687 | 806945 | <0.2 | <0.2 | 2.2 | 2.5 | | |
| | | | | | | 11.6 | 0.4 | 219 | 26.2 | 26.2 | 7.9 | 7.9 | 26.6 | 26.6 | 72.6 | 72.6 | 5.1 | 5.1 | 29.6 | 7 | 92 | 6 | 92 | 89 | 825687 | 806945 | <0.2 | <0.2 | 2.0 | 2.5 | | |
| | | | | | | 11.6 | 0.4 | 219 | 26.2 | 26.2 | 7.9 | 7.9 | 26.6 | 26.6 | 72.6 | 72.6 | 5.1 | 5.1 | 29.6 | 8 | 93 | 6 | 93 | 89 | 825687 | 806945 | <0.2 | <0.2 | 1.8 | 2.5 | | |
| C3 | Cloudy | Moderate | 08:44 | 12.2 | Surface | 1.0 | 0.5 | 266 | 26.0 | 26.0 | 7.9 | 7.9 | 26.7 | 26.7 | 69.6 | 69.6 | 4.9 | 4.7 | 5.1 | 6 | 82 | 88 | 822089 | 817822 | <0.2 | <0.2 | 1.8 | 1.7 | | | | |
| | | | | | | 1.0 | 0.5 | 267 | 26.0 | 26.0 | 7.9 | 7.9 | 26.7 | 26.7 | 69.6 | 69.6 | 4.9 | 4.7 | 5.0 | 6 | 83 | 88 | 822089 | 817822 | <0.2 | <0.2 | 1.5 | 1.7 | | | | |
| | | | | | | 6.1 | 0.6 | 263 | 25.8 | 25.8 | 7.9 | 7.9 | 28.3 | 28.3 | 64.1 | 64.1 | 4.5 | 4.7 | 6.8 | 6 | 90 | 6 | 90 | 88 | 822089 | 817822 | <0.2 | <0.2 | 1.6 | 1.7 | | |
| | | | | | Middle | 6.1 | 0.7 | 286 | 25.8 | 25.8 | 7.9 | 7.9 | 28.3 | 28.3 | 64.1 | 64.1 | 4.5 | 4.5 | 6.9 | 8 | 89 | 6 | 89 | 88 | 822089 | 817822 | <0.2 | <0.2 | 2.0 | 1.7 | | |
| | | | | | | 11.2 | 0.4 | 267 | 25.6 | 25.6 | 7.9 | 7.9 | 29.7 | 29.7 | 65.2 | 65.3 | 4.5 | 4.5 | 11.2 | 7 | 92 | 6 | 92 | 88 | 822089 | 817822 | <0.2 | <0.2 | 1.6 | 1.7 | | |
| | | | | | | 11.2 | 0.4 | 292 | 25.6 | 25.6 | 7.9 | 7.9 | 29.7 | 29.7 | 65.3 | 65.3 | 4.5 | 4.5 | 10.4 | 5 | 91 | 6 | 91 | 88 | 822089 | 817822 | <0.2 | <0.2 | 1.6 | 1.7 | | |
| IM1 | Rainy | Moderate | 10:14 | 7.6 | Surface | 1.0 | 0.6 | 122 | 28.0 | 28.0 | 7.8 | 7.8 | 25.9 | 25.9 | 72.2 | 72.2 | 4.9 | 4.8 | 3.7 | 5 | 89 | 93 | 818369 | 806452 | <0.2 | <0.2 | 1.8 | 1.4 | | | | |
| | | | | | | 1.0 | 0.7 | 124 | 28.0 | 28.0 | 7.8 | 7.8 | 25.9 | 25.9 | 72.2 | 72.2 | 4.9 | 4.8 | 3.9 | 4 | 90 | 93 | 818369 | 806452 | <0.2 | <0.2 | 1.8 | 1.4 | | | | |
| | | | | | | 3.8 | 0.5 | 141 | 27.9 | 27.9 | 7.9 | 7.9 | 27.9 | 27.9 | 69.5 | 69.5 | 4.7 | 4.8 | 19.3 | 18 | 92 | 24 | 92 | 93 | 818369 | 806452 | <0.2 | <0.2 | 1.3 | 1.4 | | |
| | | | | | Middle | 3.8 | 0.5 | 151 | 27.9 | 27.9 | 7.9 | 7.9 | 27.9 | 27.9 | 69.5 | 69.5 | 4.7 | 4.7 | 19.4 | 17 | 94 | 24 | 94 | 93 | 818369 | 806452 | <0.2 | <0.2 | 1.2 | 1.4 | | |
| | | | | | | 6.6 | 0.5 | 172 | 27.9 | 27.9 | 7.9 | 7.9 | 28.1 | 28.1 | 70.6 | 70.8 | 4.7 | 4.8 | 37.4 | 50 | 95 | 24 | 95 | 93 | 818369 | 806452 | <0.2 | <0.2 | 1.2 | 1.4 | | |
| | | | | | | 6.6 | 0.5 | 181 | 27.9 | 27.9 | 7.9 | 7.9 | 28.1 | 28.1 | 70.9 | 70.8 | 4.8 | 4.8 | 39.5 | 50 | 96 | 24 | 96 | 93 | 818369 | 806452 | <0.2 | <0.2 | 1.2 | 1.4 | | |
| IM2 | Rainy | Moderate | 10:20 | 8.5 | Surface | 1.0 | 0.6 | 120 | 28.1 | 28.1 | 7.8 | 7.8 | 25.8 | 25.8 | 71.3 | 71.3 | 4.8 | 4.7 | 2.7 | 4 | 92 | 96 | 818860 | 806212 | <0.2 | <0.2 | 1.6 | 1.3 | | | | |
| | | | | | | 1.0 | 0.6 | 127 | 28.1 | 28.1 | 7.8 | 7.8 | 25.8 | 25.8 | 71.2 | 71.3 | 4.8 | 4.7 | 2.6 | 6 | 96 | 14 | 96 | 96 | 818860 | 806212 | <0.2 | <0.2 | 1.4 | 1.3 | | |
| | | | | | | 4.3 | 0.6 | 86 | 28.0 | 28.0 | 7.8 | 7.8 | 26.6 | 26.6 | 68.7 | 68.7 | 4.6 | 4.7 | 5.8 | 5 | 96 | 14 | 96 | 96 | 818860 | 806212 | <0.2 | <0.2 | 1.3 | 1.3 | | |
| | | | | | Middle | 4.3 | 0.6 | 87 | 28.0 | 28.0 | 7.8 | 7.8 | 26.6 | 26.6 | 68.7 | 68.7 | 4.6 | 4.6 | 5.9 | 6 | 96 | 14 | 96 | 96 | 818860 | 806212 | <0.2 | <0.2 | 1.2 | 1.3 | | |
| | | | | | | 7.5 | 0.4 | 173 | 27.9 | 27.9 | 7.9 | 7.9 | 28.3 | 28.3 | 67.9 | 68.0 | 4.5 | 4.6 | 26.1 | 31 | 96 | 14 | 96 | 96 | 818860 | 806212 | <0.2 | <0.2 | 1.2 | 1.3 | | |
| | | | | | | 7.5 | 0.4 | 185 | 27.9 | 27.9 | 7.9 | 7.9 | 28.3 | 28.3 | 68.1 | 68.1 | 4.6 | 4.6 | 26.2 | 30 | 99 | 14 | 99 | 96 | 818860 | 806212 | <0.2 | <0.2 | 1.1 | 1.3 | | |
| IM3 | Rainy | Moderate | 10:28 | 8.8 | Surface | 1.0 | 0.4 | 219 | 28.0 | 28.0 | 7.8 | 7.8 | 25.3 | 25.3 | 72.6 | 72.7 | 4.9 | 4.8 | 2.5 | 7 | 94 | 94 | 819410 | 806014 | <0.2 | <0.2 | 1.6 | 1.3 | | | | |
| | | | | | | 1.0 | 0.5 | 233 | 28.0 | 28.0 | 7.8 | 7.8 | 25.3 | 25.3 | 72.7 | 72.7 | 4.9 | 4.8 | 2.5 | 5 | 95 | 15 | 95 | 94 | 819410 | 806014 | <0.2 | <0.2 | 1.3 | 1.3 | | |
| | | | | | | 4.4 | 0.6 | 125 | 28.0 | 28.0 | 7.8 | 7.8 | 26.2 | 26.2 | 68.9 | 68.9 | 4.7 | 4.8 | 5.1 | 6 | 90 | 15 | 90 | 94 | 819410 | 806014 | <0.2 | <0.2 | 1.3 | 1.3 | | |
| | | | | | Middle | 4.4 | 0.6 | 136 | 28.0 | 28.0 | 7.8 | 7.8 | 26.2 | 26.2 | 68.9 | 68.9 | 4.7 | 4.7 | 5.3 | 6 | 93 | 15 | 93 | 94 | 819410 | 806014 | <0.2 | <0.2 | 1.4 | 1.3 | | |
| | | | | | | 7.8 | 0.4 | 133 | 27.9 | 27.9 | 7.9 | 7.9 | 28.6 | 28.6 | 68.4 | 68.4 | 4.6 | 4.6 | 29.2 | 32 | 92 | 15 | 92 | 94 | 819410 | 806014 | <0.2 | <0.2 | 0.9 | 1.3 | | |
| | | | | | | 7.8 | 0.5 | 139 | 27.9 | 27.9 | 7.9 | 7.9 | 28.6 | 28.6 | 68.4 | 68.4 | 4.6 | 4.6 | 29.4 | 32 | 97 | 15 | 97 | 94 | 819410 | 806014 | <0.2 | <0.2 | 1.1 | 1.3 | | |
| IM4 | Rainy | Moderate | 10:36 | 8.2 | Surface | 1.0 | 0.5 | 174 | 28.1 | 28.1 | 7.8 | 7.8 | 24.6 | 24.6 | 71.2 | 71.2 | 4.8 | 4.8 | 2.8 | 6 | 87 | 88 | 819580 | 805053 | <0.2 | <0.2 | 1.7 | 1.4 | | | | |
| | | | | | | 1.0 | 0.5 | 187 | 28.1 | 28.1 | 7.8 | 7.8 | 24.6 | 24.6 | 71.2 | 71.2 | 4.8 | 4.8 | 2.9 | 5 | 85 | 19 | 85 | 88 | 819580 | 805053 | <0.2 | <0.2 | 1.8 | 1.4 | | |
| | | | | | | 4.1 | 0.5 | 117 | 27.9 | 27.9 | 7.9 | 7.9 | 26.7 | 26.5 | 71.0 | 71.0 | 4.8 | 4.8 | 7.3 | 10 | 85 | 19 | 85 | 88 | 819580 | 805053 | <0.2 | <0.2 | 1.3 | 1.4 | | |
| | | | | | Middle | 4.1 | 0.5 | 123 | 27.9 | 27.9 | 7.9 | 7.9 | 26.2 | 26.5 | 71.0 | 71.0 | 4.8 | 4.8 | 7.5 | 8 | 85 | 19 | 85 | 88 | 819580 | 805053 | <0.2 | <0.2 | 1.5 | 1.4 | | |
| | | | | | | 7.2 | 0.5 | 140 | 27.9 | 27.9 | 7.9 | 7.9 | 28.6 | 28.6 | 68.7 | 68.8 | 4.6 | 4.6 | 47.5 | 40 | 93 | 19 | 93 | 88 | 819580 | 805053 | <0.2 | <0.2 | 1.3 | 1.4 | | |
| | | | | | | 7.2 | 0.5 | 151 | 27.9 | 27.9 | 7.9 | 7.9 | 28.6 | 28.6 | 68.8 | 68.8 | 4.6 | 4.6 | 47.7 | 43 | 94 | 19 | 94 | 88 | 819580 | 805053 | <0.2 | <0.2 | 1.0 | 1.4 | | |
| IM5 | Rainy | Moderate | 10:45 | 7.2 | Surface | 1.0 | 0.5 | 207 | 28.2 | 28.2 | 7.8 | 7.8 | 24.1 | 24.1 | 71.1 | 71.1 | 4.9 | 4.8 | 3.9 | 3 | 90 | 91 | 820577 | 804922 | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | | 1.0 | 0.6 | 213 | 28.2 | 28.2 | 7.8 | 7.8 | 24.1 | 24.1 | 71.1 | 71.1 | 4.9 | 4.8 | 3.7 | 5 | 87 | 15 | 87 | 91 | 820577 | 804922 | <0.2 | <0.2 | 1.8 | 1.7 | | |
| | | | | | | 3.6 | 0.6 | 88 | 28.1 | 28.1 | 7.8 | 7.8 | 24.9 | 24.9 | 69.4 | 69.4 | 4.7 | 4.7 | 7.3 | 7 | 93 | 15 | 93 | 91 | 820577 | 804922 | <0.2 | <0.2 | 1.7 | 1.7 | | |
| | | | | | Middle | 3.6 | 0.6 | 96 | 28.1 | 28.1 | 7.8 | 7.8 | 24.9 | 24.9 | 69.4 | 69.4 | 4.7 | 4.7 | 7.5 | 6 | 91 | 15 | 91 | 91 | 820577 | 804922 | <0.2 | <0.2 | 1.6 | 1.7 | | |
| | | | | | | 6.2 | 0.5 | 109 | 27.9 | 27.9 | 7.9 | 7.9 | 28.3 | 28.3 | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 06 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|----------------|-----|-------------------------|-----|------------------------|------|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Rainy | Moderate | 15:15 | 8.8 | Surface | 1.0 | 0.3 | 201 | 28.1 | 28.1 | 7.9 | 7.9 | 26.1 | 26.1 | 80.5 | 80.5 | 5.4 | 5.1 | 2.1 | 4.9 | 3 | 5 | 100 | 98 | 815613 | 804261 | <0.2 | <0.2 | 1.2 | 1.2 | | |
| | | | | | | 1.0 | 0.3 | 213 | 28.1 | 28.1 | 7.9 | 7.9 | 26.1 | 26.1 | 80.5 | 80.5 | 5.4 | 5.1 | 2.0 | 4.9 | 4 | 5 | 97 | 98 | 815613 | 804261 | <0.2 | <0.2 | 1.4 | 1.2 | | |
| | | | | | Middle | 4.4 | 0.4 | 191 | 27.8 | 27.8 | 7.9 | 7.9 | 29.5 | 29.5 | 72.7 | 72.7 | 4.8 | 4.8 | 4.5 | 4.9 | 4 | 5 | 99 | 98 | 815613 | 804261 | <0.2 | <0.2 | 0.8 | 1.2 | | |
| | | | | | | 4.4 | 0.4 | 208 | 27.8 | 27.8 | 7.9 | 7.9 | 29.5 | 29.5 | 72.6 | 72.7 | 4.8 | 4.8 | 4.5 | 4.9 | 4 | 5 | 99 | 98 | 815613 | 804261 | <0.2 | <0.2 | 1.0 | 1.2 | | |
| | | | | | Bottom | 7.8 | 0.4 | 220 | 27.8 | 27.8 | 7.9 | 7.9 | 30.2 | 30.2 | 71.7 | 71.7 | 4.8 | 4.8 | 8.2 | 4.8 | 8.2 | 4.8 | 8 | 7 | 96 | 96 | 815613 | 804261 | <0.2 | <0.2 | 1.5 | 1.5 |
| | | | | | | 7.8 | 0.4 | 229 | 27.8 | 27.8 | 7.9 | 7.9 | 30.2 | 30.2 | 71.7 | 71.7 | 4.8 | 4.8 | 8.1 | 4.8 | 8.1 | 4.8 | 7 | 7 | 96 | 96 | 815613 | 804261 | <0.2 | <0.2 | 1.5 | 1.5 |
| C2 | Cloudy | Moderate | 14:08 | 12.8 | Surface | 1.0 | 0.3 | 181 | 26.8 | 26.8 | 7.7 | 7.7 | 20.8 | 20.8 | 72.3 | 72.3 | 5.2 | 5.0 | 3.8 | 8.3 | 3 | 9 | 82 | 88 | 825673 | 806936 | <0.2 | <0.2 | 2.4 | 1.9 | | |
| | | | | | | 1.0 | 0.3 | 195 | 26.8 | 26.8 | 7.7 | 7.7 | 20.8 | 20.8 | 72.3 | 72.3 | 5.2 | 5.0 | 3.8 | 8.3 | 2 | 9 | 84 | 90 | 825673 | 806936 | <0.2 | <0.2 | 2.4 | 1.9 | | |
| | | | | | Middle | 6.4 | 0.3 | 159 | 26.4 | 26.4 | 7.7 | 7.7 | 24.3 | 24.3 | 67.5 | 67.6 | 4.7 | 4.9 | 11.5 | 8.3 | 9 | 9 | 90 | 90 | 825673 | 806936 | <0.2 | <0.2 | 2.0 | 1.9 | | |
| | | | | | | 6.4 | 0.3 | 163 | 26.4 | 26.4 | 7.7 | 7.7 | 24.3 | 24.3 | 67.6 | 67.6 | 4.8 | 4.9 | 11.4 | 8.3 | 8 | 9 | 90 | 90 | 825673 | 806936 | <0.2 | <0.2 | 1.8 | 1.9 | | |
| | | | | | Bottom | 11.8 | 0.2 | 190 | 26.2 | 26.2 | 7.8 | 7.8 | 26.0 | 26.0 | 70.0 | 70.0 | 4.9 | 4.9 | 9.6 | 4.9 | 9.6 | 4.9 | 14 | 15 | 92 | 92 | 825673 | 806936 | <0.2 | <0.2 | 1.6 | 1.9 |
| | | | | | | 11.8 | 0.2 | 190 | 26.2 | 26.2 | 7.8 | 7.8 | 26.0 | 26.0 | 70.0 | 70.0 | 4.9 | 4.9 | 9.6 | 4.9 | 9.6 | 4.9 | 15 | 15 | 92 | 92 | 825673 | 806936 | <0.2 | <0.2 | 1.3 | 1.9 |
| C3 | Cloudy | Moderate | 15:53 | 15.6 | Surface | 1.0 | 0.3 | 86 | 26.1 | 26.1 | 7.8 | 7.8 | 27.7 | 27.7 | 66.4 | 66.5 | 4.6 | 4.6 | 4.7 | 4.1 | 5 | 5 | 86 | 89 | 822120 | 817813 | <0.2 | <0.2 | 1.4 | 1.2 | | |
| | | | | | | 1.0 | 0.3 | 90 | 26.1 | 26.1 | 7.8 | 7.8 | 27.7 | 27.7 | 66.5 | 66.5 | 4.6 | 4.6 | 4.7 | 4.1 | 5 | 5 | 85 | 89 | 822120 | 817813 | <0.2 | <0.2 | 1.6 | 1.2 | | |
| | | | | | Middle | 7.8 | 0.3 | 109 | 25.9 | 25.9 | 7.8 | 7.8 | 28.8 | 28.8 | 66.9 | 66.9 | 4.6 | 4.6 | 3.5 | 4.1 | 6 | 5 | 91 | 89 | 822120 | 817813 | <0.2 | <0.2 | 1.1 | 1.2 | | |
| | | | | | | 7.8 | 0.3 | 113 | 25.9 | 25.9 | 7.8 | 7.8 | 28.8 | 28.8 | 66.9 | 66.9 | 4.6 | 4.6 | 3.5 | 4.1 | 4 | 5 | 89 | 89 | 822120 | 817813 | <0.2 | <0.2 | 1.1 | 1.2 | | |
| | | | | | Bottom | 14.6 | 0.2 | 117 | 25.9 | 25.9 | 7.8 | 7.8 | 28.8 | 28.8 | 69.4 | 69.4 | 4.8 | 4.8 | 4.0 | 4.8 | 4.0 | 4.8 | 6 | 5 | 93 | 92 | 822120 | 817813 | <0.2 | <0.2 | 1.0 | 1.2 |
| | | | | | | 14.6 | 0.2 | 121 | 25.9 | 25.9 | 7.8 | 7.8 | 28.8 | 28.8 | 69.4 | 69.4 | 4.8 | 4.8 | 4.0 | 4.8 | 4.0 | 4.8 | 5 | 5 | 92 | 92 | 822120 | 817813 | <0.2 | <0.2 | 1.0 | 1.2 |
| IM1 | Rainy | Moderate | 14:53 | 7.5 | Surface | 1.0 | 0.3 | 186 | 28.1 | 28.1 | 7.9 | 7.9 | 26.7 | 26.7 | 77.7 | 77.7 | 5.2 | 5.0 | 3.0 | 5.4 | 6 | 13 | 94 | 94 | 818355 | 806453 | <0.2 | <0.2 | 1.2 | 1.1 | | |
| | | | | | | 1.0 | 0.4 | 189 | 28.1 | 28.1 | 7.9 | 7.9 | 26.7 | 26.7 | 77.7 | 77.7 | 5.2 | 5.0 | 3.1 | 5.4 | 5 | 13 | 94 | 94 | 818355 | 806453 | <0.2 | <0.2 | 1.2 | 1.1 | | |
| | | | | | Middle | 3.8 | 0.3 | 164 | 27.9 | 27.9 | 7.9 | 7.9 | 28.6 | 28.7 | 72.3 | 72.2 | 4.8 | 4.7 | 3.9 | 5.4 | 14 | 13 | 93 | 92 | 818355 | 806453 | <0.2 | <0.2 | 1.3 | 1.1 | | |
| | | | | | | 3.8 | 0.3 | 174 | 27.9 | 27.9 | 7.9 | 7.9 | 28.7 | 28.7 | 72.1 | 72.2 | 4.8 | 4.7 | 4.4 | 5.4 | 16 | 13 | 92 | 92 | 818355 | 806453 | <0.2 | <0.2 | 1.0 | 1.1 | | |
| | | | | | Bottom | 6.5 | 0.3 | 180 | 27.8 | 27.8 | 7.9 | 7.9 | 29.5 | 29.5 | 70.9 | 71.1 | 4.7 | 4.7 | 9.1 | 4.7 | 9.1 | 4.7 | 20 | 18 | 97 | 96 | 818355 | 806453 | <0.2 | <0.2 | 0.8 | 1.1 |
| | | | | | | 6.5 | 0.3 | 188 | 27.8 | 27.8 | 7.9 | 7.9 | 29.5 | 29.5 | 71.2 | 71.1 | 4.7 | 4.7 | 8.9 | 4.7 | 8.9 | 4.7 | 18 | 18 | 96 | 96 | 818355 | 806453 | <0.2 | <0.2 | 1.0 | 1.1 |
| IM2 | Rainy | Moderate | 14:47 | 8.4 | Surface | 1.0 | 0.4 | 178 | 28.1 | 28.1 | 7.9 | 7.9 | 26.6 | 26.6 | 76.8 | 76.8 | 5.2 | 5.1 | 3.0 | 6.3 | 9 | 13 | 99 | 97 | 818833 | 806175 | <0.2 | <0.2 | 1.4 | 1.1 | | |
| | | | | | | 1.0 | 0.4 | 189 | 28.1 | 28.1 | 7.9 | 7.9 | 26.6 | 26.6 | 76.8 | 76.8 | 5.2 | 5.1 | 3.1 | 6.3 | 10 | 13 | 97 | 95 | 818833 | 806175 | <0.2 | <0.2 | 1.2 | 1.1 | | |
| | | | | | Middle | 4.2 | 0.3 | 155 | 28.0 | 28.0 | 7.9 | 7.9 | 28.3 | 28.3 | 73.8 | 73.8 | 4.9 | 4.9 | 4.0 | 6.3 | 15 | 13 | 92 | 95 | 818833 | 806175 | <0.2 | <0.2 | 1.3 | 1.1 | | |
| | | | | | | 4.2 | 0.4 | 170 | 28.0 | 28.0 | 7.9 | 7.9 | 28.3 | 28.3 | 73.8 | 73.8 | 4.9 | 4.9 | 4.0 | 6.3 | 13 | 13 | 95 | 99 | 818833 | 806175 | <0.2 | <0.2 | 1.2 | 1.1 | | |
| | | | | | Bottom | 7.4 | 0.3 | 178 | 27.8 | 27.8 | 7.9 | 7.9 | 29.4 | 29.4 | 69.7 | 69.8 | 4.6 | 4.7 | 12.0 | 4.7 | 12.0 | 4.7 | 14 | 16 | 99 | 98 | 818833 | 806175 | <0.2 | <0.2 | 0.8 | 1.1 |
| | | | | | | 7.4 | 0.3 | 187 | 27.8 | 27.8 | 7.9 | 7.9 | 29.4 | 29.4 | 69.9 | 69.8 | 4.7 | 4.7 | 11.6 | 4.7 | 11.6 | 4.7 | 16 | 16 | 98 | 98 | 818833 | 806175 | <0.2 | <0.2 | 0.8 | 1.1 |
| IM3 | Rainy | Moderate | 14:39 | 8.7 | Surface | 1.0 | 0.3 | 173 | 28.3 | 28.3 | 7.9 | 7.9 | 25.9 | 25.9 | 76.9 | 76.9 | 5.2 | 5.0 | 2.4 | 8.4 | 4 | 8 | 88 | 92 | 819414 | 806034 | <0.2 | <0.2 | 1.4 | 1.1 | | |
| | | | | | | 1.0 | 0.3 | 184 | 28.3 | 28.3 | 7.9 | 7.9 | 25.9 | 25.9 | 76.8 | 76.9 | 5.2 | 5.0 | 2.1 | 8.4 | 4 | 8 | 87 | 94 | 819414 | 806034 | <0.2 | <0.2 | 1.5 | 1.1 | | |
| | | | | | Middle | 4.4 | 0.3 | 164 | 27.9 | 27.9 | 7.9 | 7.9 | 28.8 | 28.8 | 70.1 | 70.1 | 4.7 | 4.7 | 6.7 | 8.4 | 8 | 8 | 96 | 94 | 819414 | 806034 | <0.2 | <0.2 | 1.0 | 1.1 | | |
| | | | | | | 4.4 | 0.3 | 165 | 27.9 | 27.9 | 7.9 | 7.9 | 28.8 | 28.8 | 70.1 | 70.1 | 4.7 | 4.7 | 6.8 | 8.4 | 6 | 8 | 94 | 91 | 819414 | 806034 | <0.2 | <0.2 | 1.0 | 1.1 | | |
| | | | | | Bottom | 7.7 | 0.3 | 169 | 27.8 | 27.8 | 7.9 | 7.9 | 29.3 | 29.3 | 69.2 | 69.3 | 4.6 | 4.6 | 16.1 | 4.6 | 16.1 | 4.6 | 12 | 11 | 91 | 93 | 819414 | 806034 | <0.2 | <0.2 | 0.9 | 1.1 |
| | | | | | | 7.7 | 0.3 | 177 | 27.8 | 27.8 | 7.9 | 7.9 | 29.3 | 29.3 | 69.3 | 69.3 | 4.6 | 4.6 | 16.0 | 4.6 | 16.0 | 4.6 | 11 | 11 | 93 | 93 | 819414 | 806034 | <0.2 | <0.2 | 1.0 | 1.1 |
| IM4 | Cloudy | Moderate | 14:31 | 8.2 | Surface | 1.0 | 0.3 | 174 | 28.3 | 28.3 | 7.8 | 7.8 | 24.3 | 24.3 | 80.7 | 80.3 | 5.5 | 5.1 | 1.4 | 6.7 | 6 | 12 | 86 | 94 | 819583 | 805044 | <0.2 | <0.2 | 1.6 | 1.2 | | |
| | | | | | | 1.0 | 0.4 | 178 | 28.3 | 28.3 | 7.8 | 7.8 | 24.2 | 24.3 | 79.9 | 80.3 | 5.4 | 5.1 | 1.5 | 6.7 | 4 | 12 | 84 | 100 | 819583 | 805044 | <0.2 | <0.2 | 1.7 | 1.2 | | |
| | | | | | Middle | 4.1 | 0.3 | 168 | 27.9 | 27.9 | 7.9 | 7.9 | 29.0 | 29.0 | 69.9 | 69.9 | 4.7 | 4.7 | 7.5 | 6.7 | 11 | 12 | 97 | 99 | 819583 | 805044 | <0.2 | <0.2 | 0.9 | 1.2 | | |
| | | | | | | 4.1 | 0.3 | 172 | 27.9 | 27.9 | 7.9 | 7.9 | 29.0 | 29.0 | 69.9 | 69.9 | 4.7 | 4.7 | 7.4 | 6.7 | 11 | 12 | 97 | 99 | 819583 | 805044 | <0.2 | <0.2 | 0.9 | 1.2 | | |
| | | | | | Bottom | 7.2 | 0.3 | 177 | 27.8 | 27.8 | 7.9 | 7.9 | 29.5 | 29.5 | 70.7 | 70.9 | 4.7 | 4.7 | 11.3 | 4.7 | 11.3 | 4.7 | 19 | 20 | 99 | 100 | 819583 | 805044 | <0.2 | <0.2 | 1.2 | 1.2 |
| | | | | | | 7.2 | 0.3 | 192 | 27.8 | 27.8 | 7.9 | 7.9 | 29.5 | 29.5 | 71.0 | 70.9 | 4.7 | 4.7 | 11.2 | 4.7 | 11.2 | 4.7 | 20 | 20 | 100 | 100 | 819583 | 805044 | <0.2 | <0.2 | 1.1 | 1.2 |
| IM5 | Cloudy | Moderate | 14:23 | 7.2 | Surface | 1.0 | 0.4 | 150 | 28.2 | 28.2 | 7.8 | 7.8 | 24.7 | 24.7 | 76.5 | 76.5 | 5.2 | 5.0 | 3.5 | 8.0 | 8 | 13 | 96 | 95 | 820562 | 804904 | <0.2 | <0.2 | 1.5 | 1.2 | | |
| | | | | | | 1.0 | 0.5 | 150 | 28.2 | 28.2 | 7.8 | 7.8 | 24.7 | 24.7 | 76.5 | 76.5 | 5.2 | 5.0 | 3.7 | 8.0 | 6 | 13 | 92 | 96</ | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 06 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|----|------------------------|------|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|-----|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Moderate | 14:52 | 7.6 | Surface | 1.0 | 0.5 | 137 | 26.7 | 26.7 | 7.7 | 7.7 | 23.3 | 23.3 | 71.1 | 71.1 | 5.0 | 5.0 | 7.6 | 17.8 | 7 | 10 | 81 | 89 | 822092 | 808797 | <0.2 | <0.2 | 2.0 | 1.7 | | | |
| | | | | | | 1.0 | 0.5 | 137 | 26.7 | 7.7 | 7.7 | 23.2 | 23.3 | 71.1 | 71.1 | 5.0 | 5.0 | 7.7 | 17.8 | 8 | 10 | 85 | 89 | <0.2 | <0.2 | 2.1 | 1.7 | | | | | | |
| | | | | | Middle | 3.8 | 0.5 | 122 | 26.4 | 26.4 | 7.8 | 7.8 | 26.0 | 26.1 | 70.3 | 70.4 | 4.9 | 4.9 | 19.6 | 17.8 | 10 | 10 | 90 | 89 | 822092 | 808797 | <0.2 | <0.2 | 1.4 | 1.7 | | | |
| | | | | | | 3.8 | 0.5 | 129 | 26.4 | 26.4 | 7.8 | 7.8 | 26.1 | 26.1 | 70.4 | 70.4 | 4.9 | 4.9 | 20.0 | 17.8 | 11 | 10 | 91 | 89 | 822092 | 808797 | <0.2 | <0.2 | 1.7 | 1.7 | | | |
| | | | | | Bottom | 6.6 | 0.4 | 92 | 26.3 | 26.3 | 7.9 | 7.9 | 28.5 | 28.5 | 71.8 | 71.8 | 4.9 | 4.9 | 26.0 | 17.8 | 12 | 10 | 92 | 89 | 822092 | 808797 | <0.2 | <0.2 | 1.4 | 1.7 | | | |
| | | | | | | 6.6 | 0.5 | 94 | 26.3 | 26.3 | 7.9 | 7.9 | 28.5 | 28.5 | 71.8 | 71.8 | 4.9 | 4.9 | 26.0 | 17.8 | 12 | 10 | 92 | 89 | 822092 | 808797 | <0.2 | <0.2 | 1.4 | 1.7 | | | |
| IM10 | Cloudy | Moderate | 14:59 | 8.2 | Surface | 1.0 | 0.6 | 106 | 26.7 | 26.7 | 7.8 | 7.8 | 23.2 | 23.2 | 73.6 | 73.6 | 5.2 | 5.1 | 4.5 | 11.7 | 4 | 6 | 84 | 89 | 822251 | 809835 | <0.2 | <0.2 | 2.0 | 1.8 | | | |
| | | | | | | 1.0 | 0.6 | 114 | 26.7 | 26.7 | 7.8 | 7.8 | 23.2 | 23.2 | 73.5 | 73.6 | 5.2 | 5.1 | 4.6 | 11.7 | 4 | 6 | 83 | 89 | 822251 | 809835 | <0.2 | <0.2 | 2.1 | 1.8 | | | |
| | | | | | Middle | 4.1 | 0.6 | 102 | 26.6 | 26.6 | 7.8 | 7.8 | 24.0 | 24.0 | 71.7 | 71.8 | 5.0 | 5.0 | 9.0 | 11.7 | 6 | 6 | 91 | 89 | 822251 | 809835 | <0.2 | <0.2 | 1.8 | 1.8 | | | |
| | | | | | | 4.1 | 0.7 | 102 | 26.6 | 26.6 | 7.8 | 7.8 | 24.0 | 24.0 | 71.8 | 71.8 | 5.0 | 5.0 | 9.2 | 11.7 | 7 | 6 | 90 | 89 | 822251 | 809835 | <0.2 | <0.2 | 2.0 | 1.8 | | | |
| | | | | | Bottom | 7.2 | 0.5 | 97 | 26.3 | 26.3 | 7.9 | 7.9 | 28.1 | 28.1 | 72.3 | 72.4 | 5.0 | 5.0 | 21.3 | 11.7 | 8 | 6 | 93 | 89 | 822251 | 809835 | <0.2 | <0.2 | 1.4 | 1.8 | | | |
| | | | | | | 7.2 | 0.5 | 97 | 26.3 | 26.3 | 7.9 | 7.9 | 28.1 | 28.1 | 72.4 | 72.4 | 5.0 | 5.0 | 21.4 | 11.7 | 9 | 6 | 92 | 89 | 822251 | 809835 | <0.2 | <0.2 | 1.3 | 1.8 | | | |
| IM11 | Cloudy | Moderate | 15:06 | 7.1 | Surface | 1.0 | 0.6 | 140 | 26.7 | 26.7 | 7.8 | 7.8 | 23.5 | 23.5 | 73.8 | 73.8 | 5.2 | 5.1 | 7.8 | 16.4 | 5 | 15 | 83 | 89 | 821520 | 810549 | <0.2 | <0.2 | 2.0 | 1.7 | | | |
| | | | | | | 1.0 | 0.6 | 150 | 26.7 | 26.7 | 7.8 | 7.8 | 23.5 | 23.5 | 73.8 | 73.8 | 5.2 | 5.1 | 7.8 | 16.4 | 4 | 15 | 85 | 89 | 821520 | 810549 | <0.2 | <0.2 | 2.0 | 1.7 | | | |
| | | | | | Middle | 3.6 | 0.6 | 159 | 26.4 | 26.4 | 7.9 | 7.9 | 27.4 | 27.4 | 71.9 | 72.0 | 5.0 | 5.0 | 14.9 | 16.4 | 4 | 15 | 90 | 89 | 821520 | 810549 | <0.2 | <0.2 | 2.0 | 1.7 | | | |
| | | | | | | 3.6 | 0.6 | 162 | 26.4 | 26.4 | 7.9 | 7.9 | 27.3 | 27.4 | 72.0 | 72.0 | 5.0 | 5.0 | 14.9 | 16.4 | 5 | 15 | 90 | 89 | 821520 | 810549 | <0.2 | <0.2 | 2.1 | 1.7 | | | |
| | | | | | Bottom | 6.1 | 0.6 | 139 | 26.3 | 26.3 | 7.9 | 7.9 | 27.8 | 27.8 | 72.2 | 72.2 | 5.0 | 5.0 | 26.6 | 16.4 | 36 | 15 | 92 | 89 | 821520 | 810549 | <0.2 | <0.2 | 1.0 | 1.7 | | | |
| | | | | | | 6.1 | 0.6 | 144 | 26.3 | 26.3 | 7.9 | 7.9 | 27.8 | 27.8 | 72.2 | 72.2 | 5.0 | 5.0 | 26.6 | 16.4 | 37 | 15 | 91 | 89 | 821520 | 810549 | <0.2 | <0.2 | 1.3 | 1.7 | | | |
| IM12 | Cloudy | Moderate | 15:12 | 9.4 | Surface | 1.0 | 0.7 | 110 | 26.7 | 26.7 | 7.8 | 7.8 | 23.3 | 23.3 | 76.7 | 76.7 | 5.4 | 5.3 | 3.0 | 6.9 | 4 | 5 | 85 | 89 | 821148 | 811505 | <0.2 | <0.2 | 1.9 | 1.9 | | | |
| | | | | | | 1.0 | 0.8 | 115 | 26.7 | 26.7 | 7.8 | 7.8 | 23.3 | 23.3 | 76.6 | 76.7 | 5.4 | 5.3 | 3.0 | 6.9 | 4 | 5 | 85 | 89 | 821148 | 811505 | <0.2 | <0.2 | 2.1 | 1.9 | | | |
| | | | | | Middle | 4.7 | 0.7 | 107 | 26.5 | 26.5 | 7.8 | 7.8 | 24.9 | 24.9 | 73.7 | 73.7 | 5.2 | 4.9 | 4.2 | 6.9 | 4 | 5 | 90 | 89 | 821148 | 811505 | <0.2 | <0.2 | 1.8 | 1.9 | | | |
| | | | | | | 4.7 | 0.8 | 116 | 26.5 | 26.5 | 7.8 | 7.8 | 24.9 | 24.9 | 73.7 | 73.7 | 5.2 | 4.9 | 4.2 | 6.9 | 4 | 5 | 90 | 89 | 821148 | 811505 | <0.2 | <0.2 | 1.7 | 1.9 | | | |
| | | | | | Bottom | 8.4 | 0.5 | 98 | 26.3 | 26.3 | 7.8 | 7.8 | 26.7 | 26.7 | 71.2 | 71.2 | 4.9 | 4.9 | 13.3 | 6.9 | 8 | 5 | 92 | 89 | 821148 | 811505 | <0.2 | <0.2 | 1.7 | 1.9 | | | |
| | | | | | | 8.4 | 0.5 | 106 | 26.3 | 26.3 | 7.8 | 7.8 | 26.7 | 26.7 | 71.2 | 71.2 | 4.9 | 4.9 | 13.5 | 6.9 | 8 | 5 | 92 | 89 | 821148 | 811505 | <0.2 | <0.2 | 1.9 | 1.9 | | | |
| SR2 | Cloudy | Moderate | 15:34 | 4.3 | Surface | 1.0 | 0.5 | 89 | 26.5 | 26.5 | 7.8 | 7.8 | 25.2 | 25.3 | 70.7 | 70.7 | 4.9 | 4.9 | 8.4 | 9.5 | 6 | 8 | 85 | 87 | 821454 | 814161 | <0.2 | <0.2 | 1.9 | 1.9 | | | |
| | | | | | | 1.0 | 0.6 | 91 | 26.5 | 26.5 | 7.8 | 7.8 | 25.3 | 25.3 | 70.6 | 70.6 | 4.9 | 4.9 | 8.5 | 9.5 | 6 | 8 | 83 | 87 | 821454 | 814161 | <0.2 | <0.2 | 2.0 | 1.9 | | | |
| | | | | | Middle | 2.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.9 | 9.5 | - | 8 | - | 8 | 87 | 821454 | 814161 | <0.2 | <0.2 | - | 1.9 | |
| | | | | | | 2.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.9 | 9.5 | - | 8 | - | 8 | 87 | 821454 | 814161 | <0.2 | <0.2 | - | 1.9 | |
| | | | | | Bottom | 3.3 | 0.3 | 111 | 26.3 | 26.3 | 7.8 | 7.8 | 26.7 | 26.7 | 71.5 | 71.6 | 5.0 | 5.0 | 10.6 | 9.5 | 9 | 8 | 91 | 87 | 821454 | 814161 | <0.2 | <0.2 | 1.7 | 1.9 | | | |
| | | | | | | 3.3 | 0.4 | 111 | 26.3 | 26.3 | 7.8 | 7.8 | 26.7 | 26.7 | 71.6 | 71.6 | 5.0 | 5.0 | 10.5 | 9.5 | 11 | 8 | 90 | 87 | 821454 | 814161 | <0.2 | <0.2 | 1.9 | 1.9 | | | |
| SR3 | Cloudy | Moderate | 14:38 | 9.5 | Surface | 1.0 | 0.4 | 156 | 26.6 | 26.6 | 7.7 | 7.7 | 23.6 | 23.6 | 67.9 | 67.9 | 4.8 | 4.8 | 9.5 | 13.4 | 4 | 8 | - | - | 822159 | 807563 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.4 | 163 | 26.6 | 26.6 | 7.7 | 7.7 | 23.6 | 23.6 | 67.9 | 67.9 | 4.8 | 4.8 | 9.6 | 13.4 | 4 | 8 | - | 8 | - | - | 822159 | 807563 | - | - | - | - | |
| | | | | | Middle | 4.8 | 0.4 | 167 | 26.4 | 26.4 | 7.8 | 7.8 | 25.9 | 25.9 | 69.4 | 69.4 | 4.8 | 4.8 | 14.0 | 13.4 | 6 | 8 | - | 8 | - | - | 822159 | 807563 | - | - | - | - | |
| | | | | | | 4.8 | 0.4 | 173 | 26.4 | 26.4 | 7.8 | 7.8 | 25.9 | 25.9 | 69.4 | 69.4 | 4.8 | 4.8 | 14.0 | 13.4 | 6 | 8 | - | 8 | - | - | 822159 | 807563 | - | - | - | - | |
| | | | | | Bottom | 8.5 | 0.3 | 130 | 26.4 | 26.4 | 7.8 | 7.8 | 26.3 | 26.3 | 74.4 | 74.6 | 5.2 | 5.2 | 16.5 | 13.4 | 15 | 8 | - | 8 | - | - | 822159 | 807563 | - | - | - | - | |
| | | | | | | 8.5 | 0.3 | 132 | 26.4 | 26.4 | 7.8 | 7.8 | 26.3 | 26.3 | 74.7 | 74.6 | 5.2 | 5.2 | 16.5 | 13.4 | 15 | 8 | - | 8 | - | - | 822159 | 807563 | - | - | - | - | |
| SR4A | Cloudy | Moderate | 15:37 | 7.6 | Surface | 1.0 | 0.4 | 101 | 28.0 | 28.0 | 7.9 | 7.9 | 28.0 | 28.0 | 72.3 | 72.3 | 4.8 | 4.8 | 6.0 | 7.3 | 10 | 13 | - | - | 817199 | 807813 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.4 | 101 | 28.0 | 28.0 | 7.9 | 7.9 | 28.0 | 28.0 | 72.3 | 72.3 | 4.8 | 4.8 | 5.9 | 7.3 | 10 | 13 | - | 13 | - | - | 817199 | 807813 | - | - | - | - | |
| | | | | | Middle | 3.8 | 0.4 | 98 | 27.9 | 27.9 | 7.9 | 7.9 | 28.4 | 28.4 | 70.7 | 70.7 | 4.7 | 4.7 | 7.3 | 7.3 | 12 | 13 | - | 13 | - | - | 817199 | 807813 | - | - | - | - | |
| | | | | | | 3.8 | 0.4 | 101 | 27.9 | 27.9 | 7.9 | 7.9 | 28.4 | 28.4 | 70.7 | 70.7 | 4.7 | 4.7 | 7.5 | 7.3 | 10 | 13 | - | 13 | - | - | 817199 | 807813 | - | - | - | - | |
| | | | | | Bottom | 6.6 | 0.4 | 107 | 27.9 | 27.9 | 7.9 | 7.9 | 28.8 | 28.8 | 71.0 | 71.2 | 4.7 | 4.8 | 8.5 | 7.3 | 19 | 13 | - | 13 | - | - | 817199 | 807813 | - | - | - | - | |
| | | | | | | 6.6 | 0.4 | 111 | 27.9 | 27.9 | 7.9 | 7.9 | 28.8 | 28.8 | 71.4 | 71.2 | 4.8 | 4.8 | 8.5 | 7.3 | 19 | 13 | - | 13 | - | - | 817199 | 807813 | - | - | - | - | |
| SR5A | Cloudy | Calm | 15:57 | 4.9 | Surface | 1.0 | 0.1 | 128 | 28.1 | 28.1 | 7.8 | 7.8 | 25.3 | 25.3 | 74.4 | 74.3 | 5.0 | 5.0 | 6.2 | 7.9 | 12 | 15 | - | - | 816576 | 810711 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.1 | 128 | 28.1 | 28.1 | 7.8 | 7.8 | 25.3 | 25.3 | 74.2 | 74.3 | 5.0 | 5.0 | 6.5 | 7.9 | 12 | 15 | - | 15 | - | - | 816576 | 810711 | - | - | - | - | |
| | | | | | Middle | 2.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.0 | 7.9 | - | 15 | - | 15 | - | - | 816576 | 810711 | - | - | - | - |
| | | | | | | 2.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.0 | 7.9 | - | 15 | - | 15 | - | - | 816576 | 810711 | - | - | - | - |
| | | | | | Bottom | 3.9 | 0.1 | 148 | 28.0 | | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 08 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|------|-------------------------|-----|----------------|------|-------------------------|-----|------------------------|-----|-------------------------------|------------------------------|-----------------|--------|---------------|--------|-------|------|-----|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Cloudy | Calm | 11:16 | 8.4 | Surface | 1.0 | 0.3 | 53 | 28.2 | 28.2 | 7.8 | 7.8 | 17.0 | 17.0 | 83.5 | 83.5 | 5.9 | 5.3 | 1.2 | 9.1 | 4 | 11 | 84 | 91 | 815622 | 804255 | <0.2 | <0.2 | 2.4 | 2.0 | | | | |
| | | | | | | 1.0 | 0.3 | 54 | 28.2 | 28.2 | 7.8 | 7.8 | 17.0 | 17.0 | 83.4 | 83.5 | 5.9 | 5.3 | 1.2 | 9.1 | 5 | 11 | 86 | 91 | 815622 | 804255 | <0.2 | <0.2 | 2.6 | 2.0 | | | | |
| | | | | | Middle | 4.2 | 0.4 | 43 | 27.9 | 27.9 | 7.9 | 7.9 | 29.1 | 29.0 | 70.4 | 70.7 | 4.7 | 4.8 | 6.7 | 9.1 | 6 | 11 | 87 | 91 | 815622 | 804255 | <0.2 | <0.2 | 2.3 | 2.0 | | | | |
| | | | | | | 4.2 | 0.4 | 46 | 27.9 | 27.9 | 7.9 | 7.9 | 28.8 | 29.0 | 70.9 | 70.7 | 4.7 | 4.8 | 7.1 | 9.1 | 5 | 11 | 92 | 91 | 815622 | 804255 | <0.2 | <0.2 | 2.6 | 2.0 | | | | |
| | | | | | Bottom | 7.4 | 0.5 | 48 | 27.8 | 27.8 | 7.9 | 7.9 | 30.3 | 30.3 | 71.0 | 71.4 | 4.7 | 4.8 | 20.3 | 4.8 | 4.8 | 4.8 | 23 | 4 | 97 | 88 | 815622 | 804255 | <0.2 | <0.2 | 1.0 | 2.0 | | |
| | | | | | | 7.4 | 0.5 | 48 | 27.8 | 27.8 | 7.9 | 7.9 | 30.2 | 30.3 | 71.8 | 71.4 | 4.7 | 4.8 | 18.3 | 4.8 | 4.8 | 4.8 | 25 | 4 | 98 | 88 | 815622 | 804255 | <0.2 | <0.2 | 1.1 | 2.0 | | |
| C2 | Cloudy | Moderate | 12:42 | 12.3 | Surface | 1.0 | 0.4 | 192 | 27.3 | 27.3 | 7.7 | 7.7 | 13.8 | 13.8 | 72.4 | 72.4 | 5.3 | 5.0 | 3.5 | 3.3 | 5 | 5 | 83 | 88 | 825697 | 806933 | <0.2 | <0.2 | 3.7 | 3.1 | | | | |
| | | | | | | 1.0 | 0.5 | 192 | 27.3 | 27.3 | 7.7 | 7.7 | 13.8 | 13.8 | 72.3 | 72.4 | 5.3 | 5.0 | 3.6 | 3.3 | 5 | 5 | 83 | 88 | 825697 | 806933 | <0.2 | <0.2 | 3.8 | 3.1 | | | | |
| | | | | | Middle | 6.2 | 0.5 | 210 | 26.5 | 26.5 | 7.8 | 7.8 | 21.5 | 21.5 | 64.1 | 64.1 | 4.6 | 4.5 | 3.3 | 3.3 | 4 | 5 | 89 | 5 | 91 | 88 | 825697 | 806933 | <0.2 | <0.2 | 3.5 | 3.1 | | |
| | | | | | | 6.2 | 0.5 | 222 | 26.5 | 26.5 | 7.8 | 7.8 | 21.5 | 21.5 | 64.1 | 64.1 | 4.6 | 4.5 | 3.3 | 3.3 | 4 | 5 | 91 | 5 | 91 | 88 | 825697 | 806933 | <0.2 | <0.2 | 3.1 | 3.1 | | |
| | | | | | Bottom | 11.3 | 0.4 | 224 | 26.3 | 26.3 | 7.8 | 7.8 | 23.8 | 23.8 | 63.2 | 63.2 | 4.5 | 4.5 | 3.1 | 4.5 | 4.5 | 4.5 | 4 | 5 | 92 | 88 | 825697 | 806933 | <0.2 | <0.2 | 2.1 | 3.1 | | |
| | | | | | | 11.3 | 0.5 | 241 | 26.3 | 26.3 | 7.8 | 7.8 | 23.8 | 23.8 | 63.2 | 63.2 | 4.5 | 4.5 | 3.1 | 4.5 | 4.5 | 4.5 | 6 | 5 | 92 | 88 | 825697 | 806933 | <0.2 | <0.2 | 2.2 | 3.1 | | |
| C3 | Cloudy | Moderate | 10:56 | 11.4 | Surface | 1.0 | 0.3 | 132 | 26.3 | 26.3 | 7.8 | 7.8 | 21.8 | 21.8 | 73.0 | 73.0 | 5.2 | 5.0 | 2.5 | 2.9 | 3 | 4 | 85 | 89 | 822126 | 817805 | <0.2 | <0.2 | 2.7 | 2.2 | | | | |
| | | | | | | 1.0 | 0.3 | 135 | 26.3 | 26.3 | 7.8 | 7.8 | 21.8 | 21.8 | 72.9 | 73.0 | 5.2 | 5.0 | 2.5 | 2.9 | 3 | 4 | 84 | 89 | 822126 | 817805 | <0.2 | <0.2 | 2.7 | 2.2 | | | | |
| | | | | | Middle | 5.7 | 0.3 | 199 | 26.1 | 26.1 | 7.8 | 7.8 | 24.7 | 24.7 | 66.8 | 66.8 | 4.7 | 4.6 | 2.8 | 4.6 | 4 | 4 | 90 | 4 | 89 | 89 | 822126 | 817805 | <0.2 | <0.2 | 2.0 | 2.2 | | |
| | | | | | | 5.7 | 0.3 | 216 | 26.1 | 26.1 | 7.8 | 7.8 | 24.7 | 24.7 | 66.7 | 66.8 | 4.7 | 4.6 | 2.8 | 4.6 | 3 | 4 | 89 | 4 | 89 | 89 | 822126 | 817805 | <0.2 | <0.2 | 2.0 | 2.2 | | |
| | | | | | Bottom | 10.4 | 0.3 | 215 | 25.8 | 25.8 | 7.8 | 7.8 | 27.5 | 27.5 | 66.5 | 66.6 | 4.6 | 4.6 | 3.4 | 4.6 | 4 | 4.6 | 4 | 4 | 92 | 89 | 822126 | 817805 | <0.2 | <0.2 | 1.8 | 2.2 | | |
| | | | | | | 10.4 | 0.3 | 219 | 25.8 | 25.8 | 7.8 | 7.8 | 27.5 | 27.5 | 66.6 | 66.6 | 4.6 | 4.6 | 3.4 | 4.6 | 5 | 4.6 | 5 | 4.6 | 92 | 89 | 822126 | 817805 | <0.2 | <0.2 | 1.8 | 2.2 | | |
| IM1 | Cloudy | Calm | 11:37 | 7.1 | Surface | 1.0 | 0.7 | 278 | 28.1 | 28.1 | 7.8 | 7.8 | 21.9 | 21.8 | 75.4 | 75.4 | 5.2 | 5.0 | 8.2 | 11.4 | 9 | 15 | 80 | 87 | 818362 | 806472 | <0.2 | <0.2 | 2.2 | 2.3 | | | | |
| | | | | | | 1.0 | 0.7 | 298 | 28.1 | 28.1 | 7.8 | 7.8 | 21.7 | 21.8 | 75.3 | 75.4 | 5.2 | 5.0 | 7.9 | 11.4 | 7 | 15 | 81 | 87 | 818362 | 806472 | <0.2 | <0.2 | 2.2 | 2.3 | | | | |
| | | | | | Middle | 3.6 | 0.6 | 44 | 28.1 | 28.1 | 7.8 | 7.8 | 23.4 | 23.4 | 70.8 | 70.8 | 4.8 | 4.7 | 4.8 | 4.7 | 6 | 15 | 86 | 8 | 88 | 87 | 818362 | 806472 | <0.2 | <0.2 | 2.4 | 2.3 | | |
| | | | | | | 3.6 | 0.7 | 44 | 28.1 | 28.1 | 7.8 | 7.8 | 23.4 | 23.4 | 70.7 | 70.8 | 4.8 | 4.7 | 4.9 | 4.7 | 8 | 15 | 88 | 8 | 88 | 87 | 818362 | 806472 | <0.2 | <0.2 | 2.8 | 2.3 | | |
| | | | | | Bottom | 6.1 | 0.5 | 98 | 28.0 | 28.0 | 7.8 | 7.8 | 26.2 | 26.1 | 69.0 | 69.3 | 4.7 | 4.7 | 22.4 | 4.7 | 4.7 | 4.7 | 29 | 15 | 93 | 8 | 93 | 87 | 818362 | 806472 | <0.2 | <0.2 | 2.1 | 2.3 |
| | | | | | | 6.1 | 0.5 | 106 | 28.0 | 28.0 | 7.8 | 7.8 | 26.0 | 26.1 | 69.5 | 69.3 | 4.7 | 4.7 | 20.1 | 4.7 | 4.7 | 4.7 | 31 | 15 | 95 | 8 | 95 | 87 | 818362 | 806472 | <0.2 | <0.2 | 2.3 | 2.3 |
| IM2 | Cloudy | Calm | 11:43 | 7.3 | Surface | 1.0 | 0.7 | 124 | 28.1 | 28.1 | 7.9 | 7.9 | 21.8 | 21.8 | 79.3 | 79.2 | 5.5 | 5.2 | 2.1 | 4.4 | 5 | 8 | 77 | 83 | 818836 | 806200 | <0.2 | <0.2 | 3.0 | 1.8 | | | | |
| | | | | | | 1.0 | 0.7 | 132 | 28.1 | 28.1 | 7.9 | 7.9 | 21.8 | 21.8 | 79.0 | 79.2 | 5.5 | 5.2 | 2.2 | 4.4 | 5 | 8 | 78 | 8 | 83 | 83 | 818836 | 806200 | <0.2 | <0.2 | 3.1 | 1.8 | | |
| | | | | | Middle | 3.7 | 0.7 | 96 | 28.1 | 28.1 | 7.8 | 7.8 | 23.9 | 23.8 | 71.8 | 72.0 | 4.9 | 4.9 | 3.1 | 4.4 | 6 | 8 | 83 | 8 | 85 | 83 | 818836 | 806200 | <0.2 | <0.2 | 1.5 | 1.8 | | |
| | | | | | | 3.7 | 0.7 | 99 | 28.1 | 28.1 | 7.8 | 7.8 | 23.6 | 23.8 | 72.1 | 72.0 | 4.9 | 4.9 | 3.1 | 4.4 | 6 | 8 | 85 | 8 | 85 | 83 | 818836 | 806200 | <0.2 | <0.2 | 1.4 | 1.8 | | |
| | | | | | Bottom | 6.3 | 0.6 | 49 | 27.9 | 27.9 | 7.9 | 7.9 | 28.4 | 28.4 | 68.2 | 68.5 | 4.6 | 4.6 | 8.2 | 4.6 | 4.6 | 4.6 | 11 | 8 | 85 | 8 | 85 | 83 | 818836 | 806200 | <0.2 | <0.2 | 1.0 | 1.8 |
| | | | | | | 6.3 | 0.6 | 50 | 27.9 | 27.9 | 7.9 | 7.9 | 28.3 | 28.4 | 68.7 | 68.5 | 4.6 | 4.6 | 7.9 | 4.6 | 4.6 | 4.6 | 12 | 8 | 87 | 8 | 87 | 83 | 818836 | 806200 | <0.2 | <0.2 | 0.9 | 1.8 |
| IM3 | Cloudy | Calm | 11:51 | 7.4 | Surface | 1.0 | 0.6 | 212 | 28.2 | 28.2 | 7.9 | 7.9 | 24.2 | 24.3 | 76.9 | 76.8 | 5.2 | 5.1 | 4.6 | 7.1 | 6 | 16 | 80 | 83 | 819428 | 806001 | <0.2 | <0.2 | 1.7 | 1.0 | | | | |
| | | | | | | 1.0 | 0.6 | 215 | 28.2 | 28.2 | 7.9 | 7.9 | 24.4 | 24.3 | 76.6 | 76.8 | 5.2 | 5.1 | 4.3 | 7.1 | 6 | 16 | 76 | 16 | 81 | 83 | 819428 | 806001 | <0.2 | <0.2 | 1.8 | 1.0 | | |
| | | | | | Middle | 3.7 | 0.4 | 79 | 28.0 | 28.1 | 7.9 | 7.9 | 28.6 | 28.6 | 74.1 | 74.1 | 4.9 | 4.9 | 6.1 | 4.9 | 5.1 | 7.1 | 19 | 16 | 81 | 83 | 819428 | 806001 | <0.2 | <0.2 | 0.6 | 1.0 | | |
| | | | | | | 3.7 | 0.4 | 81 | 28.1 | 28.1 | 7.9 | 7.9 | 28.5 | 28.6 | 74.0 | 74.1 | 4.9 | 4.9 | 5.9 | 4.9 | 5.1 | 7.1 | 18 | 16 | 84 | 83 | 819428 | 806001 | <0.2 | <0.2 | 0.5 | 1.0 | | |
| | | | | | Bottom | 6.4 | 0.3 | 123 | 27.9 | 27.9 | 7.9 | 7.9 | 29.0 | 29.0 | 70.8 | 70.9 | 4.7 | 4.7 | 11.0 | 4.7 | 4.7 | 4.7 | 23 | 16 | 87 | 83 | 819428 | 806001 | <0.2 | <0.2 | 0.6 | 1.0 | | |
| | | | | | | 6.4 | 0.3 | 123 | 27.9 | 27.9 | 7.9 | 7.9 | 29.0 | 29.0 | 70.9 | 70.9 | 4.7 | 4.7 | 10.9 | 4.7 | 4.7 | 4.7 | 24 | 16 | 90 | 83 | 819428 | 806001 | <0.2 | <0.2 | 0.7 | 1.0 | | |
| IM4 | Cloudy | Calm | 12:00 | 7.6 | Surface | 1.0 | 0.1 | 150 | 28.3 | 28.3 | 7.8 | 7.8 | 19.6 | 19.6 | 83.1 | 83.0 | 5.8 | 5.5 | 2.5 | 5.5 | 4 | 9 | 77 | 84 | 819564 | 805026 | <0.2 | <0.2 | 2.2 | 1.4 | | | | |
| | | | | | | 1.0 | 0.1 | 161 | 28.3 | 28.3 | 7.8 | 7.8 | 19.6 | 19.6 | 82.8 | 83.0 | 5.8 | 5.5 | 2.2 | 5.5 | 4 | 9 | 79 | 9 | 84 | 84 | 819564 | 805026 | <0.2 | <0.2 | 2.1 | 1.4 | | |
| | | | | | Middle | 3.8 | 0.2 | 59 | 28.1 | 28.1 | 7.9 | 7.9 | 22.1 | 22.2 | 76.0 | 75.7 | 5.3 | 5.5 | 3.8 | 5.5 | 6 | 9 | 84 | 9 | 84 | 84 | 819564 | 805026 | <0.2 | <0.2 | 1.5 | 1.4 | | |
| | | | | | | 3.8 | 0.2 | 61 | 28.1 | 28.1 | 7.8 | 7.8 | 22.2 | 22.2 | 75.4 | 75.7 | 5.2 | 5.5 | 3.7 | 5.5 | 7 | 9 | 86 | 9 | 86 | 84 | 819564 | 805026 | <0.2 | <0.2 | 1.4 | 1.4 | | |
| | | | | | Bottom | 6.6 | 0.3 | 50 | 27.8 | 27.8 | 7.9 | 7.9 | 30.3 | 30.3 | 68.2 | 68.5 | 4.5 | 4.6 | 10.3 | 4.6 | 4.6 | 4.6 | 15 | 9 | 89 | 8 | 89 | 84 | 819564 | 805026 | <0.2 | <0.2 | 0.6 | 1.4 |
| | | | | | | 6.6 | 0.3 | 50 | 27.8 | 27.8 | 7.9 | 7.9 | 30.3 | 30.3 | 68.7 | 68.5 | 4.6 | 4.6 | 10.4 | 4.6 | 4.6 | 4.6 | 17 | 9 | 90 | 8 | 90 | 84 | 819564 | 805026 | <0.2 | <0.2 | 0.6 | 1.4 |
| IM5 | Cloudy | Calm | 12:08 | 6.6 | Surface | 1.0 | 0.3 | 297 | 28.3 | 28.3 | 7.8 | 7.8 | 18.3 | 18.3 | 82.3 | 82.3 | 5.8 | 5.7 | 2.1 | 3.2 | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 08 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|------|------------------------|------|-------------------------------|------------------------------|-----------------|--------|---------------|--------|-------|------|---|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Moderate | 12:00 | 8.9 | Surface | 1.0 | 0.3 | 151 | 26.7 | 26.7 | 7.8 | 7.8 | 15.2 | 15.2 | 78.5 | 78.5 | 5.8 | 5.5 | 4.5 | 5.5 | 4.5 | 10.5 | <2 | 9 | 82 | 89 | 822097 | 808830 | <0.2 | <0.2 | 3.9 | 2.8 | | |
| | | | | | | 1.0 | 0.3 | 161 | 26.7 | 26.7 | 7.8 | 7.8 | 15.2 | 15.2 | 78.4 | 78.5 | 5.8 | 5.5 | 4.6 | 5.5 | 4.6 | 10.5 | 2 | 9 | 83 | 89 | 822097 | 808830 | <0.2 | <0.2 | 3.7 | 2.8 | | |
| | | | | | Middle | 4.5 | 0.4 | 225 | 26.5 | 26.5 | 7.8 | 7.8 | 19.8 | 19.8 | 72.0 | 72.0 | 5.2 | 4.9 | 10.3 | 10.5 | 5 | 9 | 89 | 89 | 89 | 89 | 822097 | 808830 | <0.2 | <0.2 | 2.5 | 2.8 | | |
| | | | | | | 4.5 | 0.4 | 225 | 26.5 | 26.5 | 7.8 | 7.8 | 19.8 | 19.8 | 72.0 | 72.0 | 5.2 | 4.9 | 10.2 | 10.5 | 4 | 9 | 90 | 89 | 90 | 89 | 822097 | 808830 | <0.2 | <0.2 | 2.6 | 2.8 | | |
| | | | | | Bottom | 7.9 | 0.3 | 232 | 26.3 | 26.3 | 7.8 | 7.8 | 24.1 | 24.1 | 69.5 | 69.5 | 4.9 | 4.9 | 16.6 | 4.9 | 16.6 | 4.9 | 18 | 9 | 91 | 91 | 822097 | 808830 | <0.2 | <0.2 | 2.1 | 2.8 | | |
| | | | | | | 7.9 | 0.3 | 240 | 26.3 | 26.3 | 7.8 | 7.8 | 24.1 | 24.1 | 69.5 | 69.5 | 4.9 | 4.9 | 16.6 | 4.9 | 16.6 | 4.9 | 20 | 9 | 100 | 100 | 822097 | 808830 | <0.2 | <0.2 | 2.0 | 2.8 | | |
| IM10 | Cloudy | Moderate | 11:52 | 7.0 | Surface | 1.0 | 0.5 | 269 | 26.7 | 26.7 | 7.9 | 7.9 | 15.9 | 15.9 | 79.3 | 79.3 | 5.8 | 5.5 | 3.9 | 5.5 | 3.9 | 12.4 | 2 | 8 | 85 | 89 | 822256 | 809823 | <0.2 | <0.2 | 3.0 | 2.5 | | |
| | | | | | | 1.0 | 0.5 | 285 | 26.7 | 26.7 | 7.9 | 7.9 | 15.8 | 15.9 | 79.2 | 79.3 | 5.8 | 5.5 | 3.9 | 5.5 | 3.9 | 12.4 | 2 | 8 | 84 | 89 | 822256 | 809823 | <0.2 | <0.2 | 3.1 | 2.5 | | |
| | | | | | Middle | 3.5 | 0.4 | 292 | 26.3 | 26.3 | 7.9 | 7.9 | 21.3 | 21.2 | 72.1 | 71.9 | 5.2 | 4.8 | 7.2 | 4.8 | 7.2 | 4.8 | 4 | 8 | 89 | 89 | 822256 | 809823 | <0.2 | <0.2 | 2.3 | 2.5 | | |
| | | | | | | 3.5 | 0.4 | 316 | 26.3 | 26.3 | 7.9 | 7.9 | 21.1 | 21.2 | 71.6 | 71.9 | 5.1 | 4.8 | 8.2 | 4.8 | 8.2 | 4.8 | 3 | 8 | 89 | 89 | 822256 | 809823 | <0.2 | <0.2 | 2.5 | 2.5 | | |
| | | | | | Bottom | 6.0 | 0.3 | 211 | 26.1 | 26.1 | 7.8 | 7.8 | 24.8 | 24.8 | 67.6 | 67.6 | 4.8 | 4.8 | 25.5 | 4.8 | 25.5 | 4.8 | 18 | 8 | 92 | 92 | 822256 | 809823 | <0.2 | <0.2 | 1.9 | 2.5 | | |
| | | | | | | 6.0 | 0.3 | 221 | 26.1 | 26.1 | 7.8 | 7.8 | 24.8 | 24.8 | 67.6 | 67.6 | 4.8 | 4.8 | 25.5 | 4.8 | 25.5 | 4.8 | 17 | 8 | 92 | 92 | 822256 | 809823 | <0.2 | <0.2 | 2.0 | 2.5 | | |
| IM11 | Cloudy | Moderate | 11:44 | 8.6 | Surface | 1.0 | 0.4 | 235 | 26.3 | 26.3 | 7.9 | 7.9 | 20.4 | 20.4 | 75.3 | 75.3 | 5.4 | 5.1 | 4.0 | 5.1 | 4.0 | 9.9 | 3 | 6 | 83 | 88 | 821482 | 810546 | <0.2 | <0.2 | 2.4 | 2.2 | | |
| | | | | | | 1.0 | 0.4 | 244 | 26.3 | 26.3 | 7.9 | 7.9 | 20.4 | 20.4 | 75.3 | 75.3 | 5.4 | 5.1 | 4.1 | 5.1 | 4.1 | 9.9 | 3 | 6 | 83 | 88 | 821482 | 810546 | <0.2 | <0.2 | 2.5 | 2.2 | | |
| | | | | | Middle | 4.3 | 0.3 | 230 | 26.0 | 26.0 | 7.9 | 7.9 | 24.3 | 24.3 | 66.9 | 66.9 | 4.7 | 4.7 | 11.2 | 4.7 | 11.2 | 4.7 | 3 | 6 | 89 | 89 | 821482 | 810546 | <0.2 | <0.2 | 2.6 | 2.2 | | |
| | | | | | | 4.3 | 0.4 | 242 | 26.0 | 26.0 | 7.9 | 7.9 | 24.3 | 24.3 | 66.8 | 66.9 | 4.7 | 4.7 | 11.2 | 4.7 | 11.2 | 4.7 | 3 | 6 | 89 | 89 | 821482 | 810546 | <0.2 | <0.2 | 2.3 | 2.2 | | |
| | | | | | Bottom | 7.6 | 0.3 | 223 | 26.0 | 26.0 | 7.9 | 7.9 | 25.6 | 25.6 | 66.6 | 66.6 | 4.7 | 4.7 | 14.4 | 4.7 | 14.4 | 4.7 | 11 | 6 | 93 | 93 | 821482 | 810546 | <0.2 | <0.2 | 1.8 | 2.2 | | |
| | | | | | | 7.6 | 0.3 | 242 | 26.0 | 26.0 | 7.9 | 7.9 | 25.6 | 25.6 | 66.6 | 66.6 | 4.7 | 4.7 | 14.4 | 4.7 | 14.4 | 4.7 | 11 | 6 | 92 | 92 | 821482 | 810546 | <0.2 | <0.2 | 1.7 | 2.2 | | |
| IM12 | Cloudy | Moderate | 11:36 | 7.2 | Surface | 1.0 | 0.5 | 285 | 26.4 | 26.4 | 7.9 | 7.9 | 18.8 | 18.8 | 78.7 | 78.7 | 5.7 | 5.3 | 3.2 | 5.3 | 3.2 | 11.2 | 2 | 6 | 83 | 88 | 821180 | 811527 | <0.2 | <0.2 | 2.8 | 2.2 | | |
| | | | | | | 1.0 | 0.6 | 290 | 26.4 | 26.4 | 7.9 | 7.9 | 18.8 | 18.8 | 78.7 | 78.7 | 5.7 | 5.3 | 3.2 | 5.3 | 3.2 | 11.2 | 2 | 6 | 84 | 89 | 821180 | 811527 | <0.2 | <0.2 | 2.5 | 2.2 | | |
| | | | | | Middle | 3.6 | 0.6 | 278 | 26.1 | 26.1 | 7.9 | 7.9 | 22.6 | 22.6 | 67.6 | 67.6 | 4.8 | 4.6 | 9.6 | 4.6 | 9.6 | 4.6 | 4 | 6 | 89 | 89 | 821180 | 811527 | <0.2 | <0.2 | 2.0 | 2.2 | | |
| | | | | | | 3.6 | 0.6 | 283 | 26.1 | 26.1 | 7.9 | 7.9 | 22.6 | 22.6 | 67.6 | 67.6 | 4.8 | 4.6 | 9.6 | 4.6 | 9.6 | 4.6 | 4 | 6 | 90 | 90 | 821180 | 811527 | <0.2 | <0.2 | 2.4 | 2.2 | | |
| | | | | | Bottom | 6.2 | 0.4 | 257 | 25.8 | 25.8 | 7.9 | 7.9 | 27.1 | 27.1 | 66.0 | 66.0 | 4.6 | 4.6 | 20.9 | 4.6 | 20.9 | 4.6 | 13 | 6 | 91 | 91 | 821180 | 811527 | <0.2 | <0.2 | 1.6 | 2.2 | | |
| | | | | | | 6.2 | 0.4 | 282 | 25.8 | 25.8 | 7.9 | 7.9 | 27.1 | 27.1 | 66.0 | 66.0 | 4.6 | 4.6 | 20.9 | 4.6 | 20.9 | 4.6 | 13 | 6 | 93 | 93 | 821180 | 811527 | <0.2 | <0.2 | 1.9 | 2.2 | | |
| SR2 | Cloudy | Moderate | 11:16 | 4.2 | Surface | 1.0 | 0.2 | 141 | 26.3 | 26.3 | 7.9 | 7.9 | 19.9 | 19.9 | 76.9 | 76.9 | 5.6 | 5.6 | 5.5 | 5.6 | 5.5 | 8.1 | 3 | 7 | 84 | 87 | 821449 | 814164 | <0.2 | <0.2 | 2.8 | 2.6 | | |
| | | | | | | 1.0 | 0.3 | 146 | 26.3 | 26.3 | 7.9 | 7.9 | 19.9 | 19.9 | 76.9 | 76.9 | 5.5 | 5.6 | 5.5 | 5.6 | 5.5 | 8.1 | 3 | 7 | 83 | 87 | 821449 | 814164 | <0.2 | <0.2 | 3.0 | 2.6 | | |
| | | | | | Middle | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8.1 | - | 7 | - | - | 821449 | 814164 | <0.2 | <0.2 | - | 2.6 |
| | | | | | | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8.1 | - | 7 | - | - | 821449 | 814164 | <0.2 | <0.2 | - | 2.6 |
| | | | | | Bottom | 3.2 | 0.2 | 136 | 25.9 | 25.9 | 7.8 | 7.8 | 25.1 | 25.1 | 73.9 | 73.9 | 5.2 | 5.2 | 10.6 | 5.2 | 10.6 | 5.2 | 10 | 7 | 90 | 90 | 821449 | 814164 | <0.2 | <0.2 | 2.3 | 2.6 | | |
| | | | | | | 3.2 | 0.2 | 143 | 25.9 | 25.9 | 7.8 | 7.8 | 25.1 | 25.1 | 73.9 | 73.9 | 5.2 | 5.2 | 10.6 | 5.2 | 10.6 | 5.2 | 10 | 7 | 90 | 90 | 821449 | 814164 | <0.2 | <0.2 | 2.3 | 2.6 | | |
| SR3 | Cloudy | Moderate | 12:13 | 9.3 | Surface | 1.0 | 0.3 | 203 | 26.8 | 26.8 | 7.8 | 7.8 | 18.0 | 18.0 | 74.0 | 74.0 | 5.4 | 5.1 | 4.2 | 5.1 | 4.2 | 7.8 | 2 | 3 | - | - | 822154 | 807566 | - | - | - | - | | |
| | | | | | | 1.0 | 0.3 | 208 | 26.8 | 26.8 | 7.8 | 7.8 | 18.0 | 18.0 | 74.0 | 74.0 | 5.4 | 5.1 | 4.2 | 5.1 | 4.2 | 7.8 | 2 | 3 | - | - | 822154 | 807566 | - | - | - | - | | |
| | | | | | Middle | 4.7 | 0.4 | 84 | 26.5 | 26.5 | 7.8 | 7.8 | 22.0 | 22.0 | 67.2 | 67.2 | 4.8 | 4.8 | 6.8 | 4.8 | 6.8 | 4.8 | 3 | 3 | 3 | - | - | 822154 | 807566 | - | - | - | - | |
| | | | | | | 4.7 | 0.4 | 90 | 26.5 | 26.5 | 7.8 | 7.8 | 22.0 | 22.0 | 67.2 | 67.2 | 4.8 | 4.8 | 6.9 | 4.8 | 6.9 | 4.8 | 3 | 3 | 3 | - | - | 822154 | 807566 | - | - | - | - | |
| | | | | | Bottom | 8.3 | 0.4 | 103 | 26.3 | 26.3 | 7.9 | 7.9 | 24.6 | 24.6 | 68.8 | 68.8 | 4.8 | 4.8 | 12.3 | 4.8 | 12.3 | 4.8 | 4 | 3 | 4 | - | - | 822154 | 807566 | - | - | - | - | |
| | | | | | | 8.3 | 0.4 | 110 | 26.3 | 26.3 | 7.9 | 7.9 | 24.6 | 24.6 | 68.8 | 68.8 | 4.8 | 4.8 | 12.3 | 4.8 | 12.3 | 4.8 | 3 | 3 | 3 | - | - | 822154 | 807566 | - | - | - | - | |
| SR4A | Cloudy | Calm | 10:53 | 7.6 | Surface | 1.0 | 0.4 | 253 | 27.9 | 27.9 | 7.8 | 7.8 | 23.0 | 23.0 | 73.8 | 73.8 | 5.1 | 5.1 | 14.7 | 5.1 | 14.7 | 15.5 | 23 | 25 | - | - | 817169 | 807827 | - | - | - | - | | |
| | | | | | | 1.0 | 0.4 | 273 | 27.9 | 27.9 | 7.8 | 7.8 | 23.0 | 23.0 | 73.7 | 73.8 | 5.1 | 5.1 | 15.0 | 5.1 | 15.0 | 5.1 | 15.5 | 25 | 25 | - | - | 817169 | 807827 | - | - | - | - | |
| | | | | | Middle | 3.8 | 0.4 | 254 | 27.9 | 27.9 | 7.8 | 7.8 | 23.2 | 23.2 | 72.5 | 72.4 | 5.0 | 5.0 | 14.5 | 5.0 | 14.4 | 5.0 | 15.5 | 25 | 25 | - | - | 817169 | 807827 | - | - | - | - | |
| | | | | | | 3.8 | 0.4 | 269 | 27.9 | 27.9 | 7.8 | 7.8 | 23.2 | 23.2 | 72.2 | 72.4 | 5.0 | 5.0 | 14.4 | 5.0 | 14.4 | 5.0 | 15.5 | 26 | 25 | - | - | 817169 | 807827 | - | - | - | - | |
| | | | | | Bottom | 6.6 | 0.3 | 251 | 27.9 | 27.9 | 7.8 | 7.8 | 26.3 | 26.3 | 68.9 | 69.0 | 4.7 | 4.7 | 17.1 | 4.7 | 17.0 | 4.7 | 17.0 | 15.5 | 27 | 25 | - | - | 817169 | 807827 | - | - | - | - |
| | | | | | | 6.6 | 0.4 | 270 | 27.9 | 27.9 | 7.8 | 7.8 | 26.3 | 26.3 | 69.0 | 69.0 | 4.7 | 4.7 | 17.0 | 4.7 | 17.0 | 4.7 | 17.0 | 15.5 | 28 | 25 | - | - | 817169 | 807827 | - | - | - | - |
| SR5A | Cloudy | Calm | 10:36 | 4.0 | Surface | 1.0 | 0.4 | 290 | 27.9 | 27.9 | 7.8 | 7.8 | 23.3 | 23.3 | 73.6 | 73.6 | 5.1 | 5.1 | 5.0 | 5.1 | 5 | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 08 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|-----|-------------------------|-----|------------------------|--------|-------------------------------|------------------------------|-----------------|--------|---------------|--------|-------|------|-----|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Cloudy | Calm | 16:36 | 8.3 | Surface | 1.0 | 0.4 | 227 | 28.8 | 28.8 | 7.9 | 7.9 | 16.7 | 16.7 | 94.5 | 93.7 | 6.6 | 6.0 | 2.8 | 4.5 | 2 | 6 | 86 | 93 | 815625 | 804259 | <0.2 | <0.2 | 2.6 | 1.4 | | | | |
| | | | | | | 1.0 | 0.4 | 229 | 28.8 | 7.9 | 7.9 | 16.7 | 16.7 | 92.8 | 93.7 | 6.5 | 6.0 | 2.6 | 4.5 | 2 | 6 | 90 | 93 | 815625 | 804259 | <0.2 | <0.2 | 2.2 | 1.4 | | | | | |
| | | | | | Middle | 4.2 | 0.3 | 184 | 27.8 | 27.8 | 8.0 | 8.0 | 27.6 | 27.5 | 79.7 | 79.7 | 5.4 | 6.0 | 4.0 | 4.5 | 7 | 6 | 92 | 93 | 815625 | 804259 | <0.2 | <0.2 | 1.3 | 1.4 | | | | |
| | | | | | | 4.2 | 0.3 | 200 | 27.8 | 27.8 | 8.0 | 8.0 | 27.4 | 27.5 | 79.6 | 79.7 | 5.4 | 6.0 | 4.2 | 4.5 | 5 | 6 | 95 | 93 | 815625 | 804259 | <0.2 | <0.2 | 1.3 | 1.4 | | | | |
| | | | | | Bottom | 7.3 | 0.3 | 192 | 27.7 | 27.7 | 8.0 | 8.0 | 31.8 | 31.8 | 74.2 | 74.4 | 4.9 | 4.9 | 6.6 | 4.9 | 6.6 | 4.9 | 10 | 6 | 97 | 93 | 815625 | 804259 | <0.2 | <0.2 | 0.6 | 1.4 | | |
| | | | | | | 7.3 | 0.3 | 201 | 27.7 | 27.7 | 8.0 | 8.0 | 31.8 | 31.8 | 74.5 | 74.4 | 4.9 | 4.9 | 6.7 | 4.9 | 6.7 | 4.9 | 10 | 6 | 99 | 93 | 815625 | 804259 | <0.2 | <0.2 | 0.6 | 1.4 | | |
| C2 | Cloudy | Moderate | 15:23 | 13.1 | Surface | 1.0 | 0.3 | 138 | 27.0 | 27.0 | 7.8 | 7.8 | 15.4 | 15.4 | 76.3 | 76.3 | 5.6 | 5.2 | 3.0 | 3.5 | 4 | 4 | 81 | 88 | 825695 | 806931 | <0.2 | <0.2 | 2.9 | 2.7 | | | | |
| | | | | | | 1.0 | 0.3 | 148 | 27.0 | 27.0 | 7.8 | 7.8 | 15.4 | 15.4 | 76.3 | 76.3 | 5.6 | 5.2 | 3.0 | 3.5 | 3 | 4 | 84 | 88 | 825695 | 806931 | <0.2 | <0.2 | 3.0 | 2.7 | | | | |
| | | | | | Middle | 6.6 | 0.3 | 107 | 26.4 | 26.4 | 7.7 | 7.7 | 22.1 | 22.1 | 66.3 | 66.3 | 4.7 | 5.2 | 3.7 | 5.2 | 4 | 5.2 | 4 | 4 | 89 | 88 | 825695 | 806931 | <0.2 | <0.2 | 2.8 | 2.7 | | |
| | | | | | | 6.6 | 0.3 | 113 | 26.4 | 26.4 | 7.7 | 7.7 | 22.1 | 22.1 | 66.3 | 66.3 | 4.7 | 5.2 | 3.7 | 5.2 | 2 | 5.2 | 2 | 4 | 90 | 88 | 825695 | 806931 | <0.2 | <0.2 | 2.5 | 2.7 | | |
| | | | | | Bottom | 12.1 | 0.3 | 148 | 26.3 | 26.3 | 7.7 | 7.7 | 23.4 | 23.4 | 68.5 | 68.5 | 4.9 | 4.9 | 3.9 | 4.9 | 3.9 | 4.9 | 4 | 4.9 | 4 | 4 | 92 | 88 | 825695 | 806931 | <0.2 | <0.2 | 2.4 | 2.7 |
| | | | | | | 12.1 | 0.3 | 151 | 26.3 | 26.3 | 7.7 | 7.7 | 23.4 | 23.4 | 68.5 | 68.5 | 4.9 | 4.9 | 3.9 | 4.9 | 3.9 | 4.9 | 5 | 4.9 | 4 | 4 | 93 | 88 | 825695 | 806931 | <0.2 | <0.2 | 2.4 | 2.7 |
| C3 | Cloudy | Moderate | 17:10 | 12.1 | Surface | 1.0 | 0.4 | 101 | 26.7 | 26.7 | 7.9 | 7.9 | 20.9 | 20.9 | 83.8 | 83.8 | 6.0 | 5.6 | 2.1 | 2.1 | 3 | 3 | 84 | 89 | 822109 | 817801 | <0.2 | <0.2 | 2.7 | 2.3 | | | | |
| | | | | | | 1.0 | 0.4 | 105 | 26.7 | 26.7 | 7.9 | 7.9 | 20.9 | 20.9 | 83.7 | 83.8 | 6.0 | 5.6 | 2.1 | 2.1 | 4 | 2.1 | 4 | 3 | 85 | 89 | 822109 | 817801 | <0.2 | <0.2 | 2.4 | 2.3 | | |
| | | | | | Middle | 6.1 | 0.2 | 222 | 26.3 | 26.3 | 7.9 | 7.9 | 21.9 | 21.9 | 73.5 | 73.5 | 5.3 | 5.1 | 2.1 | 5.1 | 2 | 2.1 | 2 | 3 | 90 | 89 | 822109 | 817801 | <0.2 | <0.2 | 2.2 | 2.3 | | |
| | | | | | | 6.1 | 0.3 | 226 | 26.3 | 26.3 | 7.9 | 7.9 | 21.8 | 21.9 | 73.4 | 73.5 | 5.2 | 5.1 | 2.1 | 5.1 | 3 | 5.1 | 3 | 3 | 90 | 89 | 822109 | 817801 | <0.2 | <0.2 | 2.4 | 2.3 | | |
| | | | | | Bottom | 11.1 | 0.3 | 149 | 25.8 | 25.8 | 7.9 | 7.9 | 27.0 | 27.0 | 73.0 | 73.0 | 5.1 | 5.1 | 2.0 | 5.1 | 2.0 | 5.1 | 4 | 5.1 | 4 | 3 | 93 | 89 | 822109 | 817801 | <0.2 | <0.2 | 1.9 | 2.3 |
| | | | | | | 11.1 | 0.3 | 152 | 25.8 | 25.8 | 7.9 | 7.9 | 27.0 | 27.0 | 73.0 | 73.0 | 5.1 | 5.1 | 2.0 | 5.1 | 2.0 | 5.1 | 4 | 5.1 | 4 | 3 | 92 | 89 | 822109 | 817801 | <0.2 | <0.2 | 2.0 | 2.3 |
| IM1 | Cloudy | Calm | 16:13 | 7.3 | Surface | 1.0 | 0.3 | 182 | 28.3 | 28.3 | 7.8 | 7.8 | 22.0 | 21.8 | 80.0 | 80.0 | 5.5 | 5.3 | 2.8 | 5.0 | 3 | 7 | 82 | 86 | 818357 | 806442 | <0.2 | <0.2 | 2.4 | 1.7 | | | | |
| | | | | | | 1.0 | 0.3 | 184 | 28.3 | 28.3 | 7.8 | 7.8 | 21.5 | 21.8 | 80.0 | 80.0 | 5.5 | 5.3 | 2.6 | 5.0 | 5 | 5.0 | 5 | 7 | 80 | 86 | 818357 | 806442 | <0.2 | <0.2 | 2.5 | 1.7 | | |
| | | | | | Middle | 3.7 | 0.3 | 134 | 28.0 | 28.0 | 7.9 | 7.9 | 24.5 | 24.5 | 74.5 | 74.5 | 5.1 | 4.7 | 3.2 | 4.7 | 6 | 4.7 | 6 | 7 | 84 | 86 | 818357 | 806442 | <0.2 | <0.2 | 1.5 | 1.7 | | |
| | | | | | | 3.7 | 0.3 | 136 | 28.0 | 28.0 | 7.9 | 7.9 | 24.5 | 24.5 | 74.5 | 74.5 | 5.1 | 4.7 | 3.2 | 4.7 | 7 | 4.7 | 7 | 7 | 86 | 86 | 818357 | 806442 | <0.2 | <0.2 | 1.4 | 1.7 | | |
| | | | | | Bottom | 6.3 | 0.3 | 144 | 27.8 | 27.8 | 7.9 | 7.9 | 29.7 | 29.7 | 70.3 | 70.6 | 4.7 | 4.7 | 9.0 | 4.7 | 9.0 | 4.7 | 12 | 4.7 | 12 | 7 | 90 | 86 | 818357 | 806442 | <0.2 | <0.2 | 1.1 | 1.7 |
| | | | | | | 6.3 | 0.3 | 147 | 27.8 | 27.8 | 7.9 | 7.9 | 29.7 | 29.7 | 70.8 | 70.6 | 4.7 | 4.7 | 9.0 | 4.7 | 9.0 | 4.7 | 11 | 4.7 | 11 | 7 | 92 | 86 | 818357 | 806442 | <0.2 | <0.2 | 1.0 | 1.7 |
| IM2 | Cloudy | Calm | 16:06 | 7.1 | Surface | 1.0 | 0.3 | 191 | 28.8 | 28.8 | 7.9 | 7.9 | 15.9 | 15.9 | 83.5 | 83.2 | 5.9 | 5.4 | 2.2 | 5.3 | 4 | 8 | 80 | 86 | 818856 | 806178 | <0.2 | <0.2 | 2.7 | 2.1 | | | | |
| | | | | | | 1.0 | 0.3 | 199 | 28.8 | 28.8 | 7.9 | 7.9 | 15.9 | 15.9 | 82.8 | 83.2 | 5.9 | 5.4 | 2.3 | 5.3 | 2 | 5.3 | 2 | 8 | 82 | 86 | 818856 | 806178 | <0.2 | <0.2 | 3.0 | 2.1 | | |
| | | | | | Middle | 3.6 | 0.3 | 170 | 28.1 | 28.1 | 7.8 | 7.8 | 27.1 | 26.6 | 73.1 | 73.2 | 4.9 | 4.7 | 3.9 | 4.7 | 3.9 | 4.7 | 6 | 4.7 | 6 | 8 | 86 | 86 | 818856 | 806178 | <0.2 | <0.2 | 2.2 | 2.1 |
| | | | | | | 3.6 | 0.3 | 186 | 28.1 | 28.1 | 7.8 | 7.8 | 26.0 | 26.6 | 73.3 | 73.2 | 4.9 | 4.7 | 4.0 | 4.7 | 4.0 | 4.7 | 5 | 4.7 | 5 | 8 | 83 | 86 | 818856 | 806178 | <0.2 | <0.2 | 2.1 | 2.1 |
| | | | | | Bottom | 6.1 | 0.3 | 191 | 27.9 | 27.9 | 7.9 | 7.9 | 29.4 | 29.6 | 69.8 | 70.3 | 4.6 | 4.7 | 9.2 | 4.6 | 9.2 | 4.6 | 14 | 4.6 | 14 | 8 | 92 | 86 | 818856 | 806178 | <0.2 | <0.2 | 1.2 | 2.1 |
| | | | | | | 6.1 | 0.3 | 197 | 27.8 | 27.9 | 7.9 | 7.9 | 29.7 | 29.6 | 70.7 | 70.3 | 4.7 | 4.7 | 10.0 | 4.7 | 10.0 | 4.7 | 15 | 4.7 | 15 | 8 | 92 | 86 | 818856 | 806178 | <0.2 | <0.2 | 1.1 | 2.1 |
| IM3 | Cloudy | Calm | 15:58 | 7.0 | Surface | 1.0 | 0.3 | 192 | 28.6 | 28.6 | 7.8 | 7.8 | 17.5 | 17.5 | 83.7 | 83.0 | 5.9 | 5.5 | 1.8 | 4.0 | 6 | 7 | 83 | 86 | 819413 | 805999 | <0.2 | <0.2 | 2.8 | 2.3 | | | | |
| | | | | | | 1.0 | 0.3 | 204 | 28.6 | 28.6 | 7.8 | 7.8 | 17.4 | 17.5 | 82.2 | 83.0 | 5.8 | 5.5 | 1.9 | 4.0 | 5 | 4.0 | 5 | 7 | 80 | 86 | 819413 | 805999 | <0.2 | <0.2 | 2.9 | 2.3 | | |
| | | | | | Middle | 3.5 | 0.3 | 179 | 28.1 | 28.1 | 7.8 | 7.8 | 21.3 | 21.4 | 74.0 | 74.1 | 5.1 | 4.5 | 3.2 | 4.5 | 3.2 | 4.5 | 5 | 4.5 | 5 | 7 | 84 | 86 | 819413 | 805999 | <0.2 | <0.2 | 2.4 | 2.3 |
| | | | | | | 3.5 | 0.3 | 192 | 28.1 | 28.1 | 7.8 | 7.8 | 21.5 | 21.4 | 74.1 | 74.1 | 5.1 | 4.5 | 3.4 | 4.5 | 3.4 | 4.5 | 7 | 4.5 | 7 | 7 | 85 | 86 | 819413 | 805999 | <0.2 | <0.2 | 2.4 | 2.3 |
| | | | | | Bottom | 6.0 | 0.3 | 163 | 27.9 | 27.9 | 7.9 | 7.9 | 29.2 | 29.2 | 68.2 | 68.2 | 4.5 | 4.5 | 6.8 | 4.5 | 6.8 | 4.5 | 10 | 4.5 | 10 | 7 | 91 | 86 | 819413 | 805999 | <0.2 | <0.2 | 1.5 | 2.3 |
| | | | | | | 6.0 | 0.3 | 178 | 27.9 | 27.9 | 7.9 | 7.9 | 29.2 | 29.2 | 68.2 | 68.2 | 4.5 | 4.5 | 6.7 | 4.5 | 6.7 | 4.5 | 10 | 4.5 | 10 | 7 | 92 | 86 | 819413 | 805999 | <0.2 | <0.2 | 1.7 | 2.3 |
| IM4 | Cloudy | Calm | 15:49 | 7.3 | Surface | 1.0 | 0.3 | 187 | 28.7 | 28.7 | 7.8 | 7.8 | 16.0 | 16.0 | 87.4 | 87.3 | 6.2 | 5.6 | 2.3 | 6.3 | <2 | 8 | 80 | 85 | 819561 | 805037 | <0.2 | <0.2 | 3.5 | 2.5 | | | | |
| | | | | | | 1.0 | 0.3 | 187 | 28.7 | 28.7 | 7.8 | 7.8 | 15.9 | 16.0 | 87.2 | 87.3 | 6.2 | 5.6 | 2.5 | 6.3 | <2 | 8 | 81 | 85 | 819561 | 805037 | <0.2 | <0.2 | 3.5 | 2.5 | | | | |
| | | | | | Middle | 3.7 | 0.4 | 139 | 28.3 | 28.3 | 7.8 | 7.8 | 26.8 | 26.6 | 75.2 | 75.2 | 5.0 | 4.6 | 4.0 | 4.6 | 4.0 | 4.6 | 4 | 4.6 | 4 | 8 | 84 | 85 | 819561 | 805037 | <0.2 | <0.2 | 3.3 | 2.5 |
| | | | | | | 3.7 | 0.4 | 151 | 28.3 | 28.3 | 7.8 | 7.8 | 26.3 | 26.6 | 75.1 | 75.2 | 5.1 | 4.6 | 3.5 | 4.6 | 3.5 | 4.6 | 4 | 4.6 | 4 | 8 | 86 | 85 | 819561 | 805037 | <0.2 | <0.2 | 2.2 | 2.5 |
| | | | | | Bottom | 6.3 | 0.3 | 164 | 27.8 | 27.8 | 7.9 | 7.9 | 29.8 | 29.8 | 68.3 | 68.5 | 4.5 | 4.6 | 12.9 | 4.5 | 12.9 | 4.6 | 18 | 4.6 | 18 | 8 | 87 | 85 | 819561 | 805037 | <0.2 | <0.2 | 1.2 | 2.5 |
| | | | | | | 6.3 | 0.3 | 169 | 27.8 | 27.8 | 7.9 | 7.9 | 29.8 | 29.8 | 68.7 | 68.5 | 4.6 | 4.6 | 12.8 | 4.6 | 12.8 | 4.6 | 18 | 4.6 | 18 | 8 | 90 | 85 | 8195 | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 08 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|-----|------------------------|--------|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|-----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Moderate | 16:06 | 7.5 | Surface | 1.0 | 0.3 | 139 | 27.0 | 27.0 | 7.9 | 7.9 | 17.0 | 17.1 | 84.1 | 84.1 | 6.1 | 5.6 | 3.3 | 6.9 | 3 | 5 | 83 | 88 | 822080 | 808828 | <0.2 | <0.2 | 2.8 | 2.4 | | | | |
| | | | | | | 1.0 | 0.4 | 143 | 27.0 | 7.9 | 7.9 | 17.1 | 17.1 | 84.1 | 84.1 | 6.1 | 5.6 | 3.3 | 6.9 | 4 | 5 | 83 | 88 | 822080 | 808828 | <0.2 | <0.2 | 2.9 | 2.4 | | | | | |
| | | | | | Middle | 3.8 | 0.3 | 184 | 26.4 | 26.4 | 7.9 | 7.9 | 22.4 | 22.4 | 70.8 | 70.8 | 5.0 | 5.1 | 6.8 | 6.9 | 5 | 5 | 89 | 91 | 822080 | 808828 | <0.2 | <0.2 | 2.3 | 2.4 | | | | |
| | | | | | | 3.8 | 0.4 | 201 | 26.4 | 26.4 | 7.9 | 7.9 | 22.3 | 22.4 | 70.8 | 70.8 | 5.0 | 5.1 | 6.9 | 6.9 | 5 | 5 | 91 | 91 | 822080 | 808828 | <0.2 | <0.2 | 2.5 | 2.4 | | | | |
| | | | | | Bottom | 6.5 | 0.3 | 140 | 26.2 | 26.2 | 7.9 | 7.9 | 23.7 | 23.7 | 71.7 | 71.7 | 5.1 | 5.1 | 10.5 | 10.5 | 6 | 4 | 90 | 91 | 822080 | 808828 | <0.2 | <0.2 | 1.9 | 2.4 | | | | |
| | | | | | | 6.5 | 0.4 | 140 | 26.2 | 26.2 | 7.9 | 7.9 | 23.7 | 23.7 | 71.7 | 71.7 | 5.1 | 5.1 | 10.5 | 10.5 | 4 | 4 | 91 | 91 | 822080 | 808828 | <0.2 | <0.2 | 1.9 | 2.4 | | | | |
| IM10 | Cloudy | Moderate | 16:13 | 6.7 | Surface | 1.0 | 0.4 | 136 | 26.9 | 26.9 | 7.8 | 7.8 | 18.4 | 18.4 | 81.2 | 81.3 | 5.9 | 5.8 | 2.8 | 3.1 | 3 | 3 | 83 | 88 | 822236 | 809827 | <0.2 | <0.2 | 3.8 | 2.9 | | | | |
| | | | | | | 1.0 | 0.4 | 139 | 26.9 | 26.9 | 7.8 | 7.8 | 18.4 | 18.4 | 81.3 | 81.3 | 5.9 | 5.8 | 2.8 | 3.1 | 3 | 3 | 83 | 88 | 822236 | 809827 | <0.2 | <0.2 | 3.6 | 2.9 | | | | |
| | | | | | Middle | 3.4 | 0.3 | 152 | 26.4 | 26.4 | 7.9 | 7.9 | 20.5 | 20.5 | 77.6 | 77.6 | 5.6 | 5.5 | 3.0 | 3.1 | 4 | 2 | 90 | 88 | 822236 | 809827 | <0.2 | <0.2 | 2.9 | 2.9 | | | | |
| | | | | | | 3.4 | 0.3 | 164 | 26.4 | 26.4 | 7.9 | 7.9 | 20.5 | 20.5 | 77.5 | 77.5 | 5.6 | 5.5 | 3.0 | 3.1 | 2 | 2 | 88 | 88 | 822236 | 809827 | <0.2 | <0.2 | 2.7 | 2.9 | | | | |
| | | | | | Bottom | 5.7 | 0.3 | 137 | 26.3 | 26.3 | 7.9 | 7.9 | 22.5 | 22.5 | 77.5 | 77.5 | 5.5 | 5.5 | 3.3 | 3.4 | 3 | 3 | 92 | 92 | 822236 | 809827 | <0.2 | <0.2 | 2.2 | 2.4 | | | | |
| | | | | | | 5.7 | 0.3 | 149 | 26.3 | 26.3 | 7.9 | 7.9 | 22.5 | 22.5 | 77.5 | 77.5 | 5.5 | 5.5 | 3.4 | 3.4 | 3 | 3 | 92 | 92 | 822236 | 809827 | <0.2 | <0.2 | 2.2 | 2.4 | | | | |
| IM11 | Cloudy | Moderate | 16:19 | 8.0 | Surface | 1.0 | 0.3 | 144 | 27.1 | 27.1 | 7.9 | 7.9 | 16.5 | 16.5 | 85.0 | 85.0 | 6.2 | 5.9 | 2.9 | 4.1 | 2 | 2 | 85 | 89 | 821488 | 810552 | <0.2 | <0.2 | 3.6 | 3.1 | | | | |
| | | | | | | 1.0 | 0.4 | 154 | 27.1 | 27.1 | 7.9 | 7.9 | 16.5 | 16.5 | 84.9 | 85.0 | 6.2 | 5.9 | 2.9 | 4.1 | 3 | 2 | 84 | 89 | 821488 | 810552 | <0.2 | <0.2 | 3.7 | 3.1 | | | | |
| | | | | | Middle | 4.0 | 0.4 | 153 | 26.5 | 26.5 | 7.9 | 7.9 | 20.6 | 20.6 | 78.8 | 78.7 | 5.6 | 5.1 | 3.0 | 4.1 | 2 | 2 | 89 | 91 | 821488 | 810552 | <0.2 | <0.2 | 3.3 | 3.1 | | | | |
| | | | | | | 4.0 | 0.4 | 161 | 26.5 | 26.5 | 7.9 | 7.9 | 20.6 | 20.6 | 78.6 | 78.7 | 5.6 | 5.1 | 3.1 | 4.1 | <2 | 2 | 90 | 91 | 821488 | 810552 | <0.2 | <0.2 | 3.2 | 3.1 | | | | |
| | | | | | Bottom | 7.0 | 0.3 | 130 | 26.1 | 26.1 | 7.8 | 7.8 | 23.8 | 23.8 | 71.3 | 71.3 | 5.1 | 5.1 | 6.4 | 6.4 | 2 | 2 | 91 | 93 | 821488 | 810552 | <0.2 | <0.2 | 2.4 | 2.3 | | | | |
| | | | | | | 7.0 | 0.3 | 139 | 26.1 | 26.1 | 7.8 | 7.8 | 23.8 | 23.8 | 71.3 | 71.3 | 5.1 | 5.1 | 6.4 | 6.4 | 2 | 2 | 91 | 93 | 821488 | 810552 | <0.2 | <0.2 | 2.3 | 2.3 | | | | |
| IM12 | Cloudy | Moderate | 16:26 | 8.6 | Surface | 1.0 | 0.4 | 116 | 27.1 | 27.1 | 8.0 | 8.0 | 16.2 | 16.2 | 85.5 | 85.5 | 6.2 | 5.5 | 2.9 | 5.6 | 2 | 2 | 86 | 90 | 821143 | 811525 | <0.2 | <0.2 | 3.4 | 2.9 | | | | |
| | | | | | | 1.0 | 0.5 | 121 | 27.1 | 27.1 | 8.0 | 8.0 | 16.2 | 16.2 | 85.5 | 85.5 | 6.2 | 5.5 | 2.9 | 5.6 | <2 | 2 | 85 | 91 | 821143 | 811525 | <0.2 | <0.2 | 3.4 | 2.9 | | | | |
| | | | | | Middle | 4.3 | 0.3 | 131 | 26.1 | 26.1 | 7.9 | 7.9 | 24.0 | 24.0 | 67.7 | 67.7 | 4.8 | 4.4 | 4.2 | 5.6 | <2 | 2 | 91 | 90 | 821143 | 811525 | <0.2 | <0.2 | 2.8 | 2.9 | | | | |
| | | | | | | 4.3 | 0.3 | 135 | 26.1 | 26.1 | 7.9 | 7.9 | 24.0 | 24.0 | 67.7 | 67.7 | 4.8 | 4.4 | 4.1 | 5.6 | 2 | 2 | 90 | 93 | 821143 | 811525 | <0.2 | <0.2 | 2.9 | 2.9 | | | | |
| | | | | | Bottom | 7.6 | 0.3 | 152 | 25.9 | 25.9 | 7.9 | 7.9 | 25.8 | 25.8 | 62.0 | 62.1 | 4.4 | 4.4 | 9.7 | 9.7 | 2 | 2 | 93 | 92 | 821143 | 811525 | <0.2 | <0.2 | 2.1 | 2.5 | | | | |
| | | | | | | 7.6 | 0.3 | 157 | 25.9 | 25.9 | 7.9 | 7.9 | 25.8 | 25.8 | 62.1 | 62.1 | 4.4 | 4.4 | 9.7 | 9.7 | 2 | 2 | 92 | 92 | 821143 | 811525 | <0.2 | <0.2 | 2.5 | 2.5 | | | | |
| SR2 | Cloudy | Moderate | 16:51 | 4.4 | Surface | 1.0 | 0.3 | 126 | 27.2 | 27.2 | 7.9 | 7.9 | 16.2 | 16.2 | 89.0 | 89.0 | 6.5 | 6.5 | 2.5 | 2.5 | 2 | 2 | 84 | 87 | 821468 | 814181 | <0.2 | <0.2 | 3.5 | 3.1 | | | | |
| | | | | | | 1.0 | 0.3 | 126 | 27.2 | 27.2 | 7.9 | 7.9 | 16.1 | 16.2 | 88.9 | 89.0 | 6.5 | 6.5 | 2.5 | 2.5 | <2 | 2 | 83 | 87 | 821468 | 814181 | <0.2 | <0.2 | 3.5 | 3.1 | | | | |
| | | | | | Middle | 2.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | 2.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | Bottom | 3.4 | 0.2 | 120 | 26.7 | 26.7 | 7.9 | 7.9 | 20.1 | 20.1 | 88.3 | 88.4 | 6.3 | 6.3 | 2.4 | 6.3 | 2.4 | 2.4 | 2 | 2 | 90 | 87 | 821468 | 814181 | <0.2 | <0.2 | 2.7 | 3.1 | | |
| | | | | | | 3.4 | 0.3 | 127 | 26.7 | 26.7 | 7.9 | 7.9 | 20.1 | 20.1 | 88.4 | 88.4 | 6.3 | 6.3 | 2.4 | 6.3 | 2.4 | 2.4 | 3 | 3 | 91 | 87 | 821468 | 814181 | <0.2 | <0.2 | 2.7 | 3.1 | | |
| SR3 | Cloudy | Moderate | 15:52 | 9.1 | Surface | 1.0 | 0.3 | 177 | 27.0 | 27.0 | 8.0 | 8.0 | 16.0 | 16.0 | 90.1 | 90.0 | 6.6 | 6.0 | 3.4 | 5.1 | 2 | 3 | - | - | 822129 | 807563 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.4 | 187 | 27.0 | 27.0 | 8.0 | 8.0 | 16.0 | 16.0 | 89.9 | 90.0 | 6.6 | 6.0 | 3.4 | 5.1 | 3 | 3 | - | - | - | - | 822129 | 807563 | - | - | - | - | | |
| | | | | | Middle | 4.6 | 0.3 | 107 | 26.4 | 26.4 | 7.9 | 7.9 | 21.0 | 21.0 | 73.8 | 73.8 | 5.3 | 4.9 | 4.9 | 5.1 | 3 | 3 | - | - | - | - | 822129 | 807563 | - | - | - | - | | |
| | | | | | | 4.6 | 0.4 | 114 | 26.4 | 26.4 | 7.9 | 7.9 | 21.0 | 21.0 | 73.8 | 73.8 | 5.3 | 4.9 | 4.9 | 5.1 | 3 | 3 | - | - | - | - | 822129 | 807563 | - | - | - | - | | |
| | | | | | Bottom | 8.1 | 0.3 | 123 | 26.1 | 26.1 | 8.0 | 8.0 | 26.5 | 26.5 | 70.6 | 70.6 | 4.9 | 4.9 | 6.9 | 4.9 | 6.9 | 4.9 | 3 | 3 | - | - | 822129 | 807563 | - | - | - | - | | |
| | | | | | | 8.1 | 0.4 | 125 | 26.1 | 26.1 | 8.0 | 8.0 | 26.5 | 26.5 | 70.6 | 70.6 | 4.9 | 4.9 | 6.9 | 4.9 | 6.9 | 4.9 | 3 | 3 | - | - | 822129 | 807563 | - | - | - | - | | |
| SR4A | Cloudy | Moderate | 16:59 | 7.8 | Surface | 1.0 | 0.3 | 172 | 28.4 | 28.4 | 7.8 | 7.8 | 20.5 | 20.6 | 84.0 | 83.9 | 5.8 | 5.3 | 9.1 | 19.4 | 11 | 22 | - | - | 817195 | 807804 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.3 | 178 | 28.4 | 28.4 | 7.8 | 7.8 | 20.7 | 20.6 | 83.7 | 83.9 | 5.8 | 5.3 | 9.2 | 19.4 | 10 | 22 | - | - | 817195 | 807804 | - | - | - | - | | | | |
| | | | | | Middle | 3.9 | 0.4 | 80 | 28.0 | 28.0 | 7.9 | 7.9 | 26.1 | 26.1 | 70.3 | 70.3 | 4.8 | 4.8 | 24.0 | 19.4 | 28 | 22 | - | - | - | - | 817195 | 807804 | - | - | - | - | | |
| | | | | | | 3.9 | 0.5 | 85 | 28.0 | 28.0 | 7.9 | 7.9 | 26.1 | 26.1 | 70.2 | 70.3 | 4.8 | 4.8 | 24.3 | 19.4 | 28 | 22 | - | - | - | - | 817195 | 807804 | - | - | - | - | | |
| | | | | | Bottom | 6.8 | 0.3 | 105 | 27.9 | 27.9 | 7.9 | 7.9 | 28.5 | 28.5 | 69.8 | 70.2 | 4.7 | 4.7 | 25.1 | 19.4 | 26 | 22 | - | - | - | - | 817195 | 807804 | - | - | - | - | | |
| | | | | | | 6.8 | 0.3 | 109 | 27.9 | 27.9 | 7.9 | 7.9 | 28.5 | 28.5 | 70.6 | 70.2 | 4.7 | 4.7 | 24.5 | 19.4 | 28 | 22 | - | - | - | - | 817195 | 807804 | - | - | - | - | | |
| SR5A | Cloudy | Moderate | 17:17 | 4.4 | Surface | 1.0 | 0.1 | 176 | 29.0 | 29.0 | 7.8 | 7.8 | 20.9 | 20.9 | 90.9 | 90.9 | 6.2 | 6.2 | 4.1 | 5.1 | 6 | 7 | - | - | 816603 | 810699 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.1 | 181 | 29.0 | 29.0 | 7.8 | 7.8 | 20.9 | 20.9 | 90.9 | 90.9 | 6.2 | 6.2 | 4.1 | 5.1 | 5 | 7 | - | - | - | - | 816603 | 810699 | - | - | - | - | | |
| | | | | | Middle | 2.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | | 2.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | | | | | Bottom | 3.4 | 0.2 | 166 | 28.4 | 28.4 | 7.8 | 7.8 | 22.8 | 22.8 | 84.0 | 84.0 | 5.8 | | | | | | | | | | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 10 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|----------|---------|----------------|---------|-------------------|---------|-------------------------|------|----------------|-----|-------------------------|------|------------------------|------|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | C1 | Rainy | Moderate | 15:02 | 8.2 | Surface | 1.0 | 0.3 | 140 | 28.1 | 28.1 | 7.8 | 7.8 | 12.1 | 12.1 | 89.5 | | | 89.5 | 6.5 | 5.9 | 1.1 | 4.5 | 4 | 8 | 76 |
| | | | | | Surface | 1.0 | 0.3 | 141 | 28.1 | 28.1 | 7.8 | 7.8 | 12.1 | 12.1 | 89.4 | 89.4 | 6.5 | 5.9 | 1.2 | 4.5 | 3 | 8 | 75 | 85 | 815631 | 804259 | <0.2 | <0.2 | 3.3 | 2.3 | | | | |
| | | | | | Middle | 4.1 | 0.3 | 134 | 28.3 | 28.3 | 7.7 | 7.7 | 20.3 | 20.3 | 74.4 | 74.5 | 5.2 | 5.9 | 1.3 | 4.5 | 3 | 8 | 80 | 85 | 815631 | 804259 | <0.2 | <0.2 | 2.5 | 2.3 | | | | |
| | | | | | Middle | 4.1 | 0.3 | 142 | 28.3 | 28.3 | 7.7 | 7.7 | 20.3 | 20.3 | 74.6 | 74.6 | 5.2 | 5.9 | 1.3 | 4.5 | 2 | 8 | 77 | 85 | 815631 | 804259 | <0.2 | <0.2 | 3.0 | 2.3 | | | | |
| | | | | | Bottom | 7.2 | 0.3 | 147 | 27.7 | 27.7 | 8.0 | 8.0 | 31.6 | 31.6 | 70.9 | 71.0 | 4.7 | 4.7 | 11.2 | 4.7 | 18 | 3 | 99 | 85 | 815631 | 804259 | <0.2 | <0.2 | 0.7 | 2.3 | | | | |
| | | | | | Bottom | 7.2 | 0.3 | 147 | 27.7 | 27.7 | 8.0 | 8.0 | 31.6 | 31.6 | 71.0 | 71.0 | 4.7 | 4.7 | 11.0 | 4.7 | 18 | 3 | 101 | 85 | 815631 | 804259 | <0.2 | <0.2 | 0.7 | 2.3 | | | | |
| C2 | Rainy | Moderate | 13:26 | 11.7 | Surface | 1.0 | 0.7 | 176 | 26.8 | 26.8 | 7.7 | 7.7 | 14.0 | 14.0 | 76.4 | 76.4 | 5.7 | 5.2 | 4.8 | 4.0 | 5 | 5 | 80 | 88 | 825681 | 806954 | <0.2 | <0.2 | 3.6 | 3.6 | | | | |
| | | | | | Surface | 1.0 | 0.8 | 179 | 26.8 | 26.8 | 7.7 | 7.7 | 14.0 | 14.0 | 76.4 | 76.4 | 5.7 | 5.2 | 4.8 | 4.0 | 4 | 5 | 81 | 88 | 825681 | 806954 | <0.2 | <0.2 | 4.0 | 3.6 | | | | |
| | | | | | Middle | 5.9 | 0.4 | 174 | 26.4 | 26.4 | 7.8 | 7.8 | 19.5 | 19.5 | 63.7 | 63.7 | 4.6 | 4.0 | 4.0 | 4.0 | 4 | 5 | 90 | 88 | 825681 | 806954 | <0.2 | <0.2 | 3.0 | 3.6 | | | | |
| | | | | | Middle | 5.9 | 0.4 | 180 | 26.4 | 26.4 | 7.8 | 7.8 | 19.5 | 19.5 | 63.7 | 63.7 | 4.6 | 4.0 | 4.0 | 4.0 | 6 | 5 | 91 | 88 | 825681 | 806954 | <0.2 | <0.2 | 3.2 | 3.6 | | | | |
| | | | | | Bottom | 10.7 | 0.3 | 186 | 26.0 | 26.0 | 7.8 | 7.8 | 25.6 | 25.6 | 57.2 | 57.2 | 4.0 | 4.0 | 3.1 | 4.0 | 4 | 5 | 91 | 88 | 825681 | 806954 | <0.2 | <0.2 | 4.0 | 3.6 | | | | |
| | | | | | Bottom | 10.7 | 0.3 | 202 | 26.0 | 26.0 | 7.8 | 7.8 | 25.6 | 25.6 | 57.2 | 57.2 | 4.0 | 4.0 | 3.1 | 4.0 | 5 | 5 | 92 | 88 | 825681 | 806954 | <0.2 | <0.2 | 4.0 | 3.6 | | | | |
| C3 | Cloudy | Calm | 15:35 | 12.6 | Surface | 1.0 | 0.3 | 245 | 26.0 | 26.0 | 8.0 | 8.0 | 18.3 | 18.3 | 75.1 | 75.1 | 5.5 | 5.2 | 2.2 | 2.6 | 2 | 3 | 84 | 89 | 822122 | 817803 | <0.2 | <0.2 | 3.1 | 2.9 | | | | |
| | | | | | Surface | 1.0 | 0.4 | 255 | 26.0 | 26.0 | 8.0 | 8.0 | 18.3 | 18.3 | 75.1 | 75.1 | 5.5 | 5.2 | 2.2 | 2.6 | 3 | 3 | 84 | 89 | 822122 | 817803 | <0.2 | <0.2 | 3.0 | 2.9 | | | | |
| | | | | | Middle | 6.3 | 0.2 | 216 | 25.9 | 25.9 | 7.9 | 7.9 | 22.4 | 22.4 | 67.2 | 67.2 | 4.8 | 4.8 | 2.6 | 2.6 | 3 | 3 | 89 | 89 | 822122 | 817803 | <0.2 | <0.2 | 3.0 | 2.9 | | | | |
| | | | | | Middle | 6.3 | 0.2 | 235 | 25.9 | 25.9 | 7.9 | 7.9 | 22.4 | 22.4 | 67.2 | 67.2 | 4.8 | 4.8 | 2.6 | 2.6 | 4 | 3 | 90 | 89 | 822122 | 817803 | <0.2 | <0.2 | 2.9 | 2.9 | | | | |
| | | | | | Bottom | 11.6 | 0.3 | 95 | 25.5 | 25.5 | 8.0 | 8.0 | 29.2 | 29.2 | 69.0 | 69.0 | 4.8 | 4.8 | 3.1 | 4.8 | 3 | 3 | 93 | 89 | 822122 | 817803 | <0.2 | <0.2 | 2.7 | 2.9 | | | | |
| | | | | | Bottom | 11.6 | 0.3 | 96 | 25.5 | 25.5 | 8.0 | 8.0 | 29.2 | 29.2 | 69.0 | 69.0 | 4.8 | 4.8 | 3.1 | 4.8 | 3 | 3 | 92 | 89 | 822122 | 817803 | <0.2 | <0.2 | 2.7 | 2.9 | | | | |
| IM1 | Rainy | Moderate | 14:38 | 7.1 | Surface | 1.0 | 0.6 | 240 | 28.0 | 28.0 | 7.8 | 7.8 | 12.5 | 12.5 | 91.1 | 91.1 | 6.6 | 6.5 | 2.8 | 6.8 | 4 | 10 | 74 | 80 | 818335 | 806456 | <0.2 | <0.2 | 3.9 | 2.9 | | | | |
| | | | | | Surface | 1.0 | 0.7 | 260 | 28.0 | 28.0 | 7.8 | 7.8 | 12.5 | 12.5 | 91.0 | 91.0 | 6.6 | 6.5 | 2.8 | 6.8 | 3 | 10 | 74 | 80 | 818335 | 806456 | <0.2 | <0.2 | 3.7 | 2.9 | | | | |
| | | | | | Middle | 3.6 | 0.5 | 274 | 28.0 | 28.0 | 7.8 | 7.8 | 13.9 | 13.9 | 88.4 | 88.4 | 6.4 | 6.5 | 3.3 | 6.8 | 6 | 10 | 70 | 80 | 818335 | 806456 | <0.2 | <0.2 | 3.8 | 2.9 | | | | |
| | | | | | Middle | 3.6 | 0.5 | 297 | 28.0 | 28.0 | 7.8 | 7.8 | 13.9 | 13.9 | 88.4 | 88.4 | 6.4 | 6.5 | 3.4 | 6.8 | 6 | 10 | 73 | 80 | 818335 | 806456 | <0.2 | <0.2 | 3.4 | 2.9 | | | | |
| | | | | | Bottom | 6.1 | 0.4 | 187 | 27.8 | 27.8 | 8.0 | 8.0 | 28.2 | 28.7 | 69.2 | 69.3 | 4.6 | 4.6 | 14.3 | 4.6 | 20 | 10 | 92 | 80 | 818335 | 806456 | <0.2 | <0.2 | 1.2 | 2.9 | | | | |
| | | | | | Bottom | 6.1 | 0.4 | 197 | 27.7 | 27.7 | 8.0 | 8.0 | 29.1 | 28.7 | 69.3 | 69.3 | 4.6 | 4.6 | 14.3 | 4.6 | 19 | 10 | 96 | 80 | 818335 | 806456 | <0.2 | <0.2 | 1.3 | 2.9 | | | | |
| IM2 | Rainy | Moderate | 14:25 | 7.9 | Surface | 1.0 | 0.5 | 266 | 28.0 | 28.0 | 7.8 | 7.8 | 13.3 | 13.3 | 89.7 | 89.7 | 6.5 | 6.3 | 2.3 | 4.5 | 4 | 7 | 73 | 79 | 818867 | 806190 | <0.2 | <0.2 | 3.3 | 2.4 | | | | |
| | | | | | Surface | 1.0 | 0.6 | 276 | 28.0 | 28.0 | 7.8 | 7.8 | 13.3 | 13.3 | 89.7 | 89.7 | 6.5 | 6.3 | 2.5 | 4.5 | 3 | 7 | 74 | 79 | 818867 | 806190 | <0.2 | <0.2 | 3.5 | 2.4 | | | | |
| | | | | | Middle | 4.0 | 0.5 | 257 | 28.0 | 28.0 | 7.9 | 7.9 | 14.3 | 14.3 | 85.4 | 85.0 | 6.2 | 6.3 | 3.0 | 4.5 | 4 | 7 | 73 | 79 | 818867 | 806190 | <0.2 | <0.2 | 3.2 | 2.4 | | | | |
| | | | | | Middle | 4.0 | 0.5 | 262 | 28.0 | 28.0 | 7.9 | 7.9 | 14.3 | 14.3 | 84.6 | 85.0 | 6.1 | 6.3 | 3.2 | 4.5 | 4 | 7 | 74 | 79 | 818867 | 806190 | <0.2 | <0.2 | 2.9 | 2.4 | | | | |
| | | | | | Bottom | 6.9 | 0.4 | 156 | 27.7 | 27.7 | 8.0 | 8.0 | 30.9 | 31.0 | 69.1 | 69.5 | 4.6 | 4.6 | 8.2 | 4.6 | 13 | 7 | 90 | 79 | 818867 | 806190 | <0.2 | <0.2 | 0.7 | 2.4 | | | | |
| | | | | | Bottom | 6.9 | 0.4 | 170 | 27.7 | 27.7 | 8.0 | 8.0 | 31.1 | 31.0 | 69.9 | 69.5 | 4.6 | 4.6 | 8.0 | 4.6 | 15 | 7 | 90 | 79 | 818867 | 806190 | <0.2 | <0.2 | 0.7 | 2.4 | | | | |
| IM3 | Rainy | Moderate | 14:12 | 8.2 | Surface | 1.0 | 0.3 | 279 | 28.1 | 28.1 | 7.8 | 7.8 | 11.7 | 11.7 | 89.8 | 89.8 | 6.6 | 6.0 | 1.5 | 6.4 | 3 | 5 | 69 | 79 | 819417 | 806015 | <0.2 | <0.2 | 3.9 | 2.7 | | | | |
| | | | | | Surface | 1.0 | 0.3 | 292 | 28.1 | 28.1 | 7.8 | 7.8 | 11.7 | 11.7 | 89.7 | 89.7 | 6.6 | 6.0 | 1.4 | 6.4 | 4 | 5 | 65 | 79 | 819417 | 806015 | <0.2 | <0.2 | 3.8 | 2.7 | | | | |
| | | | | | Middle | 4.1 | 0.2 | 273 | 28.4 | 28.4 | 7.7 | 7.7 | 17.0 | 17.0 | 75.1 | 75.1 | 5.3 | 6.0 | 2.6 | 6.4 | 4 | 5 | 74 | 79 | 819417 | 806015 | <0.2 | <0.2 | 3.3 | 2.7 | | | | |
| | | | | | Middle | 4.1 | 0.2 | 276 | 28.4 | 28.4 | 7.7 | 7.7 | 17.0 | 17.0 | 75.1 | 75.1 | 5.3 | 6.0 | 2.8 | 6.4 | 3 | 5 | 75 | 79 | 819417 | 806015 | <0.2 | <0.2 | 3.2 | 2.7 | | | | |
| | | | | | Bottom | 7.2 | 0.1 | 163 | 27.7 | 27.7 | 7.9 | 7.9 | 31.3 | 31.3 | 66.6 | 66.7 | 4.4 | 4.4 | 15.1 | 4.4 | 8 | 5 | 97 | 79 | 819417 | 806015 | <0.2 | <0.2 | 1.0 | 2.7 | | | | |
| | | | | | Bottom | 7.2 | 0.2 | 168 | 27.7 | 27.7 | 7.9 | 7.9 | 31.3 | 31.3 | 66.7 | 66.7 | 4.4 | 4.4 | 15.1 | 4.4 | 8 | 5 | 96 | 79 | 819417 | 806015 | <0.2 | <0.2 | 1.0 | 2.7 | | | | |
| IM4 | Rainy | Moderate | 13:57 | 7.8 | Surface | 1.0 | 0.3 | 256 | 28.4 | 28.4 | 7.8 | 7.8 | 9.3 | 9.5 | 86.4 | 86.2 | 6.4 | 5.7 | 1.9 | 5.7 | 3 | 8 | 64 | 79 | 819564 | 805020 | <0.2 | <0.2 | 4.2 | 2.9 | | | | |
| | | | | | Surface | 1.0 | 0.4 | 262 | 28.4 | 28.4 | 7.8 | 7.8 | 9.7 | 9.5 | 86.0 | 86.2 | 6.3 | 5.7 | 1.8 | 5.7 | 3 | 8 | 63 | 79 | 819564 | 805020 | <0.2 | <0.2 | 4.2 | 2.9 | | | | |
| | | | | | Middle | 3.9 | 0.4 | 281 | 28.6 | 28.6 | 7.7 | 7.7 | 16.3 | 16.3 | 71.6 | 71.6 | 5.1 | 5.7 | 2.6 | 5.7 | 3 | 8 | 74 | 79 | 819564 | 805020 | <0.2 | <0.2 | 3.6 | 2.9 | | | | |
| | | | | | Middle | 3.9 | 0.4 | 299 | 28.6 | 28.6 | 7.7 | 7.7 | 16.3 | 16.3 | 71.6 | 71.6 | 5.1 | 5.7 | 2.6 | 5.7 | 2 | 8 | 74 | 79 | 819564 | 805020 | <0.2 | <0.2 | 3.7 | 2.9 | | | | |
| | | | | | Bottom | 6.8 | 0.3 | 174 | 27.7 | 27.7 | 8.0 | 8.0 | 31.7 | 31.7 | 67.7 | 68.0 | 4.5 | 4.5 | 12.5 | 4.5 | 17 | 8 | 101 | 79 | 819564 | 805020 | <0.2 | <0.2 | 0.8 | 2.9 | | | | |
| | | | | | Bottom | 6.8 | 0.3 | 179 | 27.7 | 27.7 | 8.0 | 8.0 | 31.7 | 31.7 | 68.2 | 68.0 | 4.5 | 4.5 | 12.5 | 4.5 | 18 | 8 | 98 | 79 | 819564 | 805020 | <0.2 | <0.2 | 0.8 | 2.9 | | | | |
| IM5 | Rainy | Moderate | 13:43 | 6.3 | Surface | 1.0 | 0.3 | 184 | 28.4 | 28.4 | 7.7 | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 10 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|-----|-------------------------|-----|------------------------|-----|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|-----|---|---|---|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Rainy | Moderate | 14:27 | 6.9 | Surface | 1.0 | 0.5 | 170 | 26.4 | 26.4 | 7.9 | 7.9 | 10.4 | 10.4 | 75.9 | 75.9 | 5.8 | 5.3 | 4.4 | 4.7 | 3 | 4 | 82 | 88 | 822076 | 808829 | <0.2 | <0.2 | 3.9 | 3.5 | | | | | | |
| | | | | | | 1.0 | 0.5 | 173 | 26.4 | 26.4 | 7.9 | 7.9 | 10.4 | 10.4 | 75.9 | 75.9 | 5.8 | 5.3 | 4.4 | 4.7 | 4 | 4 | 83 | 88 | | | | | 3.8 | 3.5 | | | | | | |
| | | | | | Middle | 3.5 | 0.3 | 178 | 26.5 | 26.5 | 7.8 | 7.8 | 19.6 | 19.6 | 66.9 | 66.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3 | 4 | 89 | 89 | | | | | 3.9 | 3.5 | | | | | | |
| | | | | | | 3.5 | 0.3 | 187 | 26.5 | 26.5 | 7.8 | 7.8 | 19.6 | 19.6 | 66.7 | 66.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4 | 4 | 89 | 89 | | | | | 4.0 | 3.5 | | | | | | |
| | | | | | Bottom | 5.9 | 0.3 | 177 | 26.1 | 26.1 | 7.9 | 7.9 | 26.3 | 26.3 | 68.2 | 68.2 | 4.8 | 4.8 | 4.9 | 4.8 | 4 | 4 | 91 | 92 | | | | | 2.6 | 2.7 | | | | | | |
| | | | | | | 5.9 | 0.4 | 178 | 26.1 | 26.1 | 7.9 | 7.9 | 26.3 | 26.3 | 68.2 | 68.2 | 4.8 | 4.8 | 4.9 | 4.8 | 3 | 4 | 92 | 92 | | | | | 2.7 | 2.7 | | | | | | |
| IM10 | Rainy | Moderate | 14:35 | 7.0 | Surface | 1.0 | 0.4 | 142 | 26.5 | 26.5 | 7.8 | 7.8 | 13.0 | 13.0 | 77.6 | 77.5 | 5.8 | 5.3 | 4.2 | 5.3 | 4 | 4 | 83 | 89 | 822258 | 809830 | <0.2 | <0.2 | 4.2 | 3.8 | | | | | | |
| | | | | | | 1.0 | 0.5 | 144 | 26.5 | 26.5 | 7.8 | 7.8 | 13.0 | 13.0 | 77.3 | 77.5 | 5.8 | 5.3 | 4.3 | 5.3 | 3 | 4 | 85 | 89 | | | | | 4.2 | 3.8 | | | | | | |
| | | | | | Middle | 3.5 | 0.3 | 139 | 26.5 | 26.5 | 7.8 | 7.8 | 17.3 | 17.3 | 66.2 | 66.2 | 4.8 | 4.8 | 5.0 | 5.3 | 3 | 4 | 88 | 89 | | | | | 4.1 | 3.8 | | | | | | |
| | | | | | | 3.5 | 0.4 | 151 | 26.5 | 26.5 | 7.8 | 7.8 | 17.3 | 17.3 | 66.2 | 66.2 | 4.8 | 4.8 | 5.0 | 5.3 | 3 | 4 | 90 | 89 | | | | | 4.1 | 3.8 | | | | | | |
| | | | | | Bottom | 6.0 | 0.3 | 171 | 26.0 | 26.0 | 7.9 | 7.9 | 25.5 | 25.5 | 64.3 | 64.3 | 4.5 | 4.5 | 6.7 | 4.5 | 4 | 4 | 92 | 93 | | | | | 3.2 | 3.2 | | | | | | |
| | | | | | | 6.0 | 0.3 | 176 | 26.0 | 26.0 | 7.9 | 7.9 | 25.5 | 25.5 | 64.3 | 64.3 | 4.5 | 4.5 | 6.7 | 4.5 | 6 | 4 | 93 | 93 | | | | | 3.2 | 3.2 | | | | | | |
| IM11 | Rainy | Moderate | 14:43 | 8.5 | Surface | 1.0 | 0.5 | 144 | 26.3 | 26.3 | 7.9 | 7.9 | 10.7 | 10.7 | 80.3 | 80.3 | 6.1 | 5.4 | 4.2 | 5.1 | 3 | 4 | 83 | 89 | 821519 | 810559 | <0.2 | <0.2 | 4.0 | 3.7 | | | | | | |
| | | | | | | 1.0 | 0.5 | 144 | 26.3 | 26.3 | 7.9 | 7.9 | 10.7 | 10.7 | 80.3 | 80.3 | 6.1 | 5.4 | 4.2 | 5.1 | 4 | 4 | 83 | 89 | | | | | 4.3 | 3.7 | | | | | | |
| | | | | | Middle | 4.3 | 0.4 | 129 | 26.3 | 26.3 | 7.9 | 7.9 | 19.1 | 19.1 | 65.4 | 65.3 | 4.7 | 4.7 | 5.0 | 5.1 | 4 | 4 | 90 | 90 | | | | | 3.8 | 3.7 | | | | | | |
| | | | | | | 4.3 | 0.4 | 132 | 26.2 | 26.3 | 7.9 | 7.9 | 19.1 | 19.1 | 65.2 | 65.3 | 4.7 | 4.7 | 5.1 | 5.1 | 4 | 4 | 90 | 90 | | | | | 3.5 | 3.7 | | | | | | |
| | | | | | Bottom | 7.5 | 0.3 | 134 | 26.0 | 26.0 | 7.9 | 7.9 | 24.9 | 24.9 | 65.9 | 66.0 | 4.7 | 4.7 | 5.9 | 4.7 | 3 | 4 | 92 | 93 | | | | | 3.3 | 3.5 | | | | | | |
| | | | | | | 7.5 | 0.3 | 135 | 26.0 | 26.0 | 7.9 | 7.9 | 24.8 | 24.9 | 66.0 | 66.0 | 4.7 | 4.7 | 5.9 | 4.7 | 4 | 4 | 93 | 93 | | | | | 3.5 | 3.5 | | | | | | |
| IM12 | Rainy | Moderate | 14:51 | 8.6 | Surface | 1.0 | 0.4 | 121 | 26.4 | 26.4 | 7.9 | 7.9 | 11.7 | 11.8 | 84.1 | 84.1 | 6.4 | 5.7 | 3.6 | 3.9 | 3 | 3 | 81 | 88 | 821177 | 811500 | <0.2 | <0.2 | 4.2 | 3.4 | | | | | | |
| | | | | | | 1.0 | 0.4 | 126 | 26.4 | 26.4 | 7.9 | 7.9 | 11.8 | 11.8 | 84.0 | 84.1 | 6.3 | 5.7 | 3.6 | 3.9 | 2 | 3 | 83 | 88 | | | | | 4.0 | 3.4 | | | | | | |
| | | | | | Middle | 4.3 | 0.4 | 122 | 26.4 | 26.4 | 7.9 | 7.9 | 17.5 | 17.5 | 70.2 | 70.2 | 5.1 | 5.1 | 3.6 | 3.9 | 3 | 3 | 90 | 89 | | | | | 3.2 | 3.4 | | | | | | |
| | | | | | | 4.3 | 0.4 | 130 | 26.4 | 26.4 | 7.9 | 7.9 | 17.5 | 17.5 | 70.2 | 70.2 | 5.1 | 5.1 | 3.6 | 3.9 | 3 | 3 | 89 | 89 | | | | | 3.1 | 3.4 | | | | | | |
| | | | | | Bottom | 7.6 | 0.3 | 115 | 26.0 | 26.0 | 7.9 | 7.9 | 23.2 | 23.2 | 66.6 | 66.6 | 4.7 | 4.7 | 4.4 | 4.7 | 4 | 4 | 94 | 92 | | | | | 2.9 | 2.9 | | | | | | |
| | | | | | | 7.6 | 0.4 | 117 | 26.0 | 26.0 | 7.9 | 7.9 | 23.2 | 23.2 | 66.6 | 66.6 | 4.7 | 4.7 | 4.4 | 4.7 | 3 | 4 | 92 | 92 | | | | | 2.9 | 2.9 | | | | | | |
| SR2 | Cloudy | Moderate | 15:13 | 4.7 | Surface | 1.0 | 0.3 | 150 | 26.2 | 26.2 | 7.9 | 7.9 | 12.6 | 12.7 | 88.9 | 88.8 | 6.7 | 6.7 | 3.7 | 4.7 | 2 | 3 | 83 | 86 | 821449 | 814182 | <0.2 | <0.2 | 3.6 | 3.6 | | | | | | |
| | | | | | | 1.0 | 0.3 | 161 | 26.2 | 26.2 | 7.9 | 7.9 | 12.7 | 12.7 | 88.7 | 88.8 | 6.7 | 6.7 | 3.7 | 4.7 | 3 | 3 | 83 | 86 | | | | | 3.7 | 3.6 | | | | | | |
| | | | | | Middle | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | - | - | - | - |
| | | | | | | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | - | - | - | - |
| | | | | | Bottom | 3.7 | 0.2 | 132 | 26.2 | 26.2 | 7.9 | 7.9 | 19.3 | 19.3 | 82.8 | 82.8 | 6.0 | 6.0 | 5.6 | 6.0 | 3 | 6.0 | 3 | 6.0 | | | | | 90 | 88 | 3.5 | 3.5 | | | | |
| | | | | | | 3.7 | 0.2 | 132 | 26.2 | 26.2 | 7.9 | 7.9 | 19.3 | 19.3 | 82.8 | 82.8 | 6.0 | 6.0 | 5.6 | 6.0 | 2 | 6.0 | 2 | 6.0 | | | | | 88 | 88 | 3.5 | 3.5 | | | | |
| SR3 | Rainy | Moderate | 14:12 | 8.7 | Surface | 1.0 | 0.8 | 181 | 26.4 | 26.4 | 7.8 | 7.8 | 11.8 | 11.8 | 77.6 | 77.6 | 5.9 | 5.4 | 3.9 | 4.6 | <2 | 2 | - | - | 822137 | 807570 | - | - | - | - | | | | | | |
| | | | | | | 1.0 | 0.8 | 195 | 26.4 | 26.4 | 7.8 | 7.8 | 11.8 | 11.8 | 77.6 | 77.6 | 5.9 | 5.4 | 3.9 | 4.6 | 2 | 2 | - | - | | | | | - | - | | | | | | |
| | | | | | Middle | 4.4 | 0.3 | 206 | 26.4 | 26.4 | 7.8 | 7.8 | 18.7 | 18.7 | 65.5 | 65.5 | 4.8 | 4.8 | 4.5 | 4.6 | 3 | 2 | - | - | | | | | - | - | | | | | | |
| | | | | | | 4.4 | 0.3 | 216 | 26.4 | 26.4 | 7.8 | 7.8 | 18.7 | 18.7 | 65.5 | 65.5 | 4.8 | 4.8 | 4.5 | 4.6 | 2 | 2 | - | - | | | | | - | - | | | | | | |
| | | | | | Bottom | 7.7 | 0.3 | 206 | 26.0 | 26.0 | 7.8 | 7.8 | 26.8 | 26.8 | 70.6 | 70.6 | 4.9 | 4.9 | 5.5 | 4.9 | 4 | 4 | - | - | | | | | - | - | | | | | | |
| | | | | | | 7.7 | 0.3 | 219 | 26.0 | 26.0 | 7.8 | 7.8 | 26.8 | 26.8 | 70.6 | 70.6 | 4.9 | 4.9 | 5.5 | 4.9 | 3 | 4 | - | - | | | | | - | - | | | | | | |
| SR4A | Rainy | Calm | 15:33 | 8.7 | Surface | 1.0 | 0.3 | 168 | 27.9 | 27.9 | 7.8 | 7.8 | 13.8 | 13.8 | 89.8 | 89.7 | 6.5 | 6.3 | 5.6 | 7.2 | 8 | 10 | - | - | 817183 | 807804 | - | - | - | - | | | | | | |
| | | | | | | 1.0 | 0.3 | 169 | 27.9 | 27.9 | 7.8 | 7.8 | 13.8 | 13.8 | 89.6 | 89.7 | 6.5 | 6.3 | 5.5 | 7.2 | 8 | 10 | - | - | | | | | | | | | | | | |
| | | | | | Middle | 4.4 | 0.2 | 191 | 27.9 | 27.9 | 7.8 | 7.8 | 16.4 | 16.4 | 85.6 | 85.6 | 6.1 | 6.1 | 6.2 | 6.2 | 9 | 9 | - | - | | | | | - | - | | | | | | |
| | | | | | | 4.4 | 0.2 | 198 | 27.9 | 27.9 | 7.8 | 7.8 | 16.4 | 16.4 | 85.5 | 85.5 | 6.1 | 6.1 | 6.2 | 6.2 | 9 | 9 | - | - | | | | | - | - | | | | | | |
| | | | | | Bottom | 7.7 | 0.4 | 251 | 27.8 | 27.8 | 7.9 | 7.9 | 28.9 | 29.0 | 67.2 | 67.9 | 4.5 | 4.6 | 10.0 | 9.4 | 11 | 10 | - | - | | | | | - | - | | | | | | |
| | | | | | | 7.7 | 0.5 | 262 | 27.8 | 27.8 | 7.9 | 7.9 | 29.0 | 29.0 | 68.6 | 67.9 | 4.6 | 4.6 | 9.4 | 9.4 | 10 | 10 | - | - | | | | | - | - | | | | | | |
| SR5A | Rainy | Calm | 15:58 | 4.2 | Surface | 1.0 | 0.2 | 308 | 27.7 | 27.7 | 7.8 | 7.8 | 16.3 | 16.3 | 87.0 | 87.0 | 6.3 | 6.3 | 5.3 | 6.7 | 8 | 8 | - | - | 816595 | 810677 | - | - | - | - | | | | | | |
| | | | | | | 1.0 | 0.2 | 330 | 27.7 | 27.7 | 7.8 | 7.8 | 16.3 | 16.3 | 86.9 | 87.0 | 6.3 | 6.3 | 5.1 | 6.7 | 7 | 8 | - | - | | | | | | | | | | | | |
| | | | | | Middle | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | - | - | - | |
| | | | | | | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | - | - | - | |
| | | | | | Bottom | 3.2 | 0.2 | 287 | 28.1 | 28.1 | 7.8 | 7.8 | 21.3 | 21.3 | 77.9 | 78.0 | 5.4 | 5.4 | 8.2 | 8.1 | 8 | 8 | - | - | | | | | - | - | | | | | | |
| | | | | | | 3.2 | 0.2 | 291 | 28.1 | 28.1 | 7.8 | 7.8 | 21.3 | 21.3 | 78.1 | 78.1 | 5.4 | 5.4 | 8.1 | 8.1 | 10 | 8 | - | - | | | | | - | - | | | | | | |
| SR6 | Rainy | Calm | 16:29 | 4.0 | Surface | 1.0 | 0.1 | 159 | 27.9 | 27.9 | 7.8 | 7.8 | 17.3 | 17.3 | 86.8 | 86.8 | 6.2 | 6.2 | 4.7 | 4.7 | 8 | 9 | - | - | 817892 | 814645 | - | - | - | - | | | | | | |
| | | | | | | 1.0 | 0.1 | 164 | 27.9 | 27.9 | 7.8 | 7.8 | 17.3 | 17.3 | 86.8 | 86.8 | 6.2 | 6.2 | 4.7 | 4.7 | 9 | 9 | - | - | | | | | | | | | | | | |
| | | | | | Middle | 2.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | - | - | | |
| | | | | | | 2.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | - | - | | |
| | | | | | Bottom | 3.0 | 0.2 | 138 | 28.0 | 28.0 | 7.8 | 7.8 | 18.3 | 18.3 | 87.3 | 87.4 | 6.2 | 6.2 | 4.7 | 4.8 | 8 | 9 | - | - | | | | | - | - | | | | | | |
| | | | | | | 3.0 | 0.2 | 145 | 28.0 | 28.0 | 7.8 | 7.8 | 18.3 | 18.3 | 87.4 | 87.4 | 6.2 | 6.2 | 4.8 | 4.8 | 9 | 9 | - | - | | | | | - | - | | | | | | |
| SR7 | Cloudy | Calm | 16:07 | 18.9 | Surface | 1.0 | 0.3 | 95 | 26.0 | 26.0 | | | | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 10 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|-----|-------------------------|-----|------------------------|-----|-------------------------------|------------------------------|-----------------|------|---------------|--------|-------|------|-------|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | |
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| C1 | Rainy | Moderate | 06:39 | 8.0 | Surface | 1.0 | 0.4 | 189 | 28.0 | 28.0 | 7.8 | 7.8 | 10.8 | 10.8 | 87.2 | 87.2 | 6.4 | 5.9 | 1.0 | 1.4 | 6 | 27 | 68 | 79 | 815625 | 804247 | <0.2 | <0.2 | 3.4 | 2.4 | | | | |
| | | | | | | 1.0 | 0.4 | 206 | 28.0 | 28.0 | 7.8 | 7.8 | 10.8 | 10.8 | 87.1 | 87.2 | 6.4 | 5.9 | 1.0 | 1.4 | 5 | 27 | 65 | 79 | | | <0.2 | <0.2 | 3.3 | 2.4 | | | | |
| | | | | | Middle | 4.0 | 0.5 | 198 | 28.4 | 28.4 | 7.7 | 7.7 | 16.8 | 16.8 | 75.2 | 75.0 | 5.3 | 4.9 | 1.0 | 1.4 | 4 | 27 | 80 | 77 | | | 79 | <0.2 | <0.2 | 2.9 | 2.4 | | | |
| | | | | | | 4.0 | 0.5 | 199 | 28.4 | 28.4 | 7.7 | 7.7 | 16.7 | 16.8 | 74.7 | 75.0 | 5.3 | 4.9 | 1.0 | 1.4 | 6 | 27 | 77 | 77 | | | 79 | <0.2 | <0.2 | 3.0 | 2.4 | | | |
| | | | | | Bottom | 7.0 | 0.5 | 223 | 28.0 | 28.0 | 7.9 | 7.9 | 27.4 | 27.4 | 71.4 | 71.9 | 4.8 | 4.9 | 2.2 | 4.9 | 2.2 | 4.9 | 68 | 72 | | | 92 | 94 | 815625 | 804247 | <0.2 | <0.2 | 0.9 | 2.4 |
| | | | | | | 7.0 | 0.5 | 242 | 28.0 | 28.0 | 7.9 | 7.9 | 27.4 | 27.4 | 72.4 | 71.9 | 4.9 | 4.9 | 2.4 | 4.9 | 2.4 | 4.9 | 72 | 94 | | | 94 | 94 | 815625 | 804247 | <0.2 | <0.2 | 1.1 | 2.4 |
| C2 | Rainy | Moderate | 08:13 | 10.4 | Surface | 1.0 | 0.3 | 161 | 26.7 | 26.7 | 7.7 | 7.7 | 11.9 | 11.9 | 73.9 | 73.8 | 5.5 | 5.1 | 4.3 | 3.9 | 3 | 4 | 85 | 89 | 825690 | 806949 | <0.2 | <0.2 | 3.0 | 2.3 | | | | |
| | | | | | | 1.0 | 0.3 | 171 | 26.7 | 26.7 | 7.7 | 7.7 | 11.9 | 11.9 | 73.7 | 73.8 | 5.5 | 5.1 | 4.3 | 3.9 | 5 | 4 | 83 | 90 | | | 89 | <0.2 | <0.2 | 2.7 | 2.3 | | | |
| | | | | | Middle | 5.2 | 0.2 | 220 | 26.3 | 26.3 | 7.8 | 7.8 | 20.4 | 20.4 | 63.8 | 63.8 | 4.6 | 4.7 | 3.7 | 3.9 | 4 | 4 | 4 | 4 | | | 90 | 90 | 89 | <0.2 | <0.2 | 2.4 | 2.3 | |
| | | | | | | 5.2 | 0.2 | 224 | 26.3 | 26.3 | 7.8 | 7.8 | 20.4 | 20.4 | 63.8 | 63.8 | 4.6 | 4.7 | 3.7 | 3.9 | 4 | 4 | 4 | 4 | | | 90 | 90 | 89 | <0.2 | <0.2 | 2.3 | 2.3 | |
| | | | | | Bottom | 9.4 | 0.3 | 211 | 26.1 | 26.1 | 7.8 | 7.8 | 25.0 | 25.0 | 66.6 | 66.6 | 4.7 | 4.7 | 3.6 | 4.7 | 3.6 | 4.7 | 4 | 4 | | | 93 | 92 | 89 | <0.2 | <0.2 | 1.8 | 2.3 | |
| | | | | | | 9.4 | 0.3 | 230 | 26.1 | 26.1 | 7.8 | 7.8 | 25.0 | 25.0 | 66.6 | 66.6 | 4.7 | 4.7 | 3.6 | 4.7 | 3.6 | 4.7 | 4 | 4 | | | 92 | 92 | 89 | <0.2 | <0.2 | 1.6 | 2.3 | |
| C3 | Cloudy | Calm | 06:07 | 13.5 | Surface | 1.0 | 0.2 | 223 | 26.2 | 26.2 | 7.9 | 7.9 | 17.2 | 17.2 | 70.9 | 70.9 | 5.2 | 5.0 | 2.8 | 3.7 | <2 | 3 | 81 | 88 | 822103 | 817785 | <0.2 | 0 | 3.0 | 2.5 | | | | |
| | | | | | | 1.0 | 0.2 | 228 | 26.2 | 26.2 | 7.9 | 7.9 | 17.2 | 17.2 | 70.9 | 70.9 | 5.2 | 5.0 | 2.8 | 3.7 | 2 | 3 | 83 | 89 | | | 88 | <0.2 | 0 | 3.1 | 2.5 | | | |
| | | | | | Middle | 6.8 | 0.3 | 222 | 25.9 | 25.9 | 7.9 | 7.9 | 24.4 | 24.4 | 68.1 | 68.1 | 4.8 | 4.8 | 3.5 | 3.7 | 3 | 3 | 3 | 3 | | | 89 | 89 | 88 | <0.2 | 0 | 2.3 | 2.5 | |
| | | | | | | 6.8 | 0.3 | 228 | 25.9 | 25.9 | 7.9 | 7.9 | 24.4 | 24.4 | 68.0 | 68.1 | 4.8 | 4.8 | 3.5 | 3.7 | 5 | 3 | 89 | 89 | | | 88 | <0.2 | 0 | 2.3 | 2.5 | | | |
| | | | | | Bottom | 12.5 | 0.4 | 284 | 25.9 | 25.9 | 7.9 | 7.9 | 25.4 | 25.4 | 70.4 | 70.4 | 5.0 | 5.0 | 4.9 | 5.0 | 4.9 | 5.0 | 5 | 3 | | | 92 | 91 | 88 | <0.2 | 0 | 2.0 | 2.5 | |
| | | | | | | 12.5 | 0.4 | 292 | 25.9 | 25.9 | 7.9 | 7.9 | 25.4 | 25.4 | 70.4 | 70.4 | 5.0 | 5.0 | 4.9 | 5.0 | 4.9 | 5.0 | 3 | 3 | | | 91 | 91 | 88 | <0.2 | 0 | 2.1 | 2.5 | |
| IM1 | Rainy | Moderate | 07:04 | 6.7 | Surface | 1.0 | 0.3 | 229 | 28.1 | 28.1 | 7.8 | 7.8 | 15.4 | 15.4 | 81.7 | 81.6 | 5.9 | 5.7 | 1.3 | 2.0 | 2 | 7 | 79 | 92 | 818351 | 806440 | <0.2 | <0.2 | 3.1 | 1.8 | | | | |
| | | | | | | 1.0 | 0.3 | 251 | 28.1 | 28.1 | 7.8 | 7.8 | 15.4 | 15.4 | 81.5 | 81.6 | 5.8 | 5.7 | 1.2 | 2.0 | 4 | 7 | 79 | 92 | | | 88 | <0.2 | <0.2 | 2.8 | 1.8 | | | |
| | | | | | Middle | 3.4 | 0.2 | 197 | 28.1 | 28.1 | 7.8 | 7.8 | 21.2 | 20.7 | 78.2 | 78.2 | 5.4 | 4.8 | 1.2 | 2.0 | 6 | 7 | 94 | 93 | | | 92 | <0.2 | <0.2 | 1.6 | 1.8 | | | |
| | | | | | | 3.4 | 0.2 | 215 | 28.1 | 28.1 | 7.8 | 7.8 | 20.1 | 20.7 | 78.2 | 78.2 | 5.5 | 4.8 | 1.2 | 2.0 | 8 | 7 | 93 | 93 | | | 92 | <0.2 | <0.2 | 1.6 | 1.8 | | | |
| | | | | | Bottom | 5.7 | 0.2 | 183 | 27.7 | 27.7 | 8.0 | 8.0 | 31.5 | 31.5 | 72.6 | 73.0 | 4.8 | 4.8 | 3.5 | 4.8 | 3.5 | 4.8 | 12 | 10 | | | 105 | 104 | 92 | <0.2 | <0.2 | 0.8 | 1.8 | |
| | | | | | | 5.7 | 0.2 | 190 | 27.7 | 27.7 | 8.0 | 8.0 | 31.5 | 31.5 | 73.3 | 73.0 | 4.8 | 4.8 | 3.8 | 4.8 | 3.8 | 4.8 | 10 | 10 | | | 104 | 104 | 92 | <0.2 | <0.2 | 0.8 | 1.8 | |
| IM2 | Rainy | Moderate | 07:10 | 7.5 | Surface | 1.0 | 0.8 | 229 | 28.2 | 28.2 | 7.8 | 7.8 | 12.9 | 12.9 | 85.2 | 85.1 | 6.2 | 5.3 | 1.1 | 2.3 | 3 | 4 | 76 | 83 | 818868 | 806212 | <0.2 | <0.2 | 3.2 | 2.7 | | | | |
| | | | | | | 1.0 | 0.9 | 248 | 28.1 | 28.1 | 7.8 | 7.8 | 12.8 | 12.9 | 85.0 | 85.1 | 6.2 | 5.3 | 1.2 | 2.3 | 3 | 4 | 75 | 78 | | | 83 | <0.2 | <0.2 | 3.3 | 2.7 | | | |
| | | | | | Middle | 3.8 | 0.5 | 213 | 28.0 | 28.0 | 7.8 | 7.8 | 25.8 | 26.0 | 64.4 | 64.5 | 4.4 | 4.8 | 1.8 | 2.3 | 3 | 4 | 78 | 76 | | | 83 | <0.2 | <0.2 | 3.4 | 2.7 | | | |
| | | | | | | 3.8 | 0.5 | 222 | 28.0 | 28.0 | 7.8 | 7.8 | 26.2 | 26.0 | 64.5 | 64.5 | 4.4 | 4.8 | 1.9 | 2.3 | 3 | 4 | 76 | 99 | | | 83 | <0.2 | <0.2 | 3.3 | 2.7 | | | |
| | | | | | Bottom | 6.5 | 0.3 | 219 | 27.7 | 27.7 | 8.0 | 8.0 | 31.2 | 31.2 | 72.3 | 72.4 | 4.8 | 4.8 | 4.0 | 4.8 | 4.0 | 4.8 | 5 | 4 | | | 99 | 96 | 83 | <0.2 | <0.2 | 1.7 | 2.7 | |
| | | | | | | 6.5 | 0.3 | 230 | 27.7 | 27.7 | 8.0 | 8.0 | 31.2 | 31.2 | 72.5 | 72.4 | 4.8 | 4.8 | 4.0 | 4.8 | 4.0 | 4.8 | 4 | 4 | | | 96 | 96 | 83 | <0.2 | <0.2 | 1.2 | 2.7 | |
| IM3 | Rainy | Moderate | 07:19 | 7.8 | Surface | 1.0 | 0.8 | 238 | 28.3 | 28.3 | 7.8 | 7.8 | 11.8 | 11.8 | 83.9 | 83.8 | 6.1 | 5.6 | 1.0 | 2.4 | <2 | 6 | 74 | 85 | 819395 | 806034 | <0.2 | <0.2 | 3.7 | 2.5 | | | | |
| | | | | | | 1.0 | 0.9 | 240 | 28.3 | 28.3 | 7.8 | 7.8 | 11.7 | 11.8 | 83.7 | 83.8 | 6.1 | 5.6 | 1.1 | 2.4 | 2 | 6 | 74 | 85 | | | 85 | <0.2 | <0.2 | 3.4 | 2.5 | | | |
| | | | | | Middle | 3.9 | 0.6 | 231 | 28.3 | 28.3 | 7.8 | 7.8 | 19.6 | 19.6 | 71.8 | 71.8 | 5.0 | 4.5 | 1.1 | 2.4 | 4 | 6 | 83 | 82 | | | 85 | <0.2 | <0.2 | 3.3 | 2.5 | | | |
| | | | | | | 3.9 | 0.6 | 243 | 28.3 | 28.3 | 7.8 | 7.8 | 19.6 | 19.6 | 71.7 | 71.8 | 5.0 | 4.5 | 1.1 | 2.4 | 3 | 6 | 82 | 98 | | | 85 | <0.2 | <0.2 | 3.0 | 2.5 | | | |
| | | | | | Bottom | 6.8 | 0.3 | 211 | 27.8 | 27.8 | 7.9 | 7.9 | 30.5 | 30.5 | 67.9 | 68.0 | 4.5 | 4.5 | 5.2 | 4.5 | 5.2 | 4.5 | 12 | 10 | | | 98 | 101 | 85 | <0.2 | <0.2 | 0.7 | 2.5 | |
| | | | | | | 6.8 | 0.3 | 228 | 27.8 | 27.8 | 7.9 | 7.9 | 30.5 | 30.5 | 68.0 | 68.0 | 4.5 | 4.5 | 5.1 | 4.5 | 5.1 | 4.5 | 10 | 10 | | | 101 | 101 | 85 | <0.2 | <0.2 | 0.8 | 2.5 | |
| IM4 | Rainy | Moderate | 07:27 | 7.4 | Surface | 1.0 | 0.4 | 221 | 28.2 | 28.2 | 7.8 | 7.8 | 11.8 | 11.9 | 81.7 | 81.6 | 6.0 | 5.6 | 1.2 | 2.2 | 2 | 4 | 77 | 90 | 819562 | 805040 | <0.2 | <0.2 | 3.7 | 2.7 | | | | |
| | | | | | | 1.0 | 0.4 | 230 | 28.2 | 28.2 | 7.8 | 7.8 | 12.0 | 11.9 | 81.4 | 81.6 | 5.9 | 5.6 | 1.1 | 2.2 | 3 | 4 | 75 | 100 | | | 90 | <0.2 | <0.2 | 4.0 | 2.7 | | | |
| | | | | | Middle | 3.7 | 0.4 | 222 | 28.4 | 28.4 | 7.7 | 7.7 | 18.9 | 19.0 | 74.2 | 74.1 | 5.2 | 4.4 | 1.0 | 2.2 | 3 | 4 | 98 | 92 | | | 90 | <0.2 | <0.2 | 2.7 | 2.7 | | | |
| | | | | | | 3.7 | 0.5 | 238 | 28.4 | 28.4 | 7.7 | 7.7 | 19.0 | 19.0 | 74.0 | 74.1 | 5.2 | 4.4 | 1.1 | 2.2 | 5 | 4 | 98 | 92 | | | 90 | <0.2 | <0.2 | 2.8 | 2.7 | | | |
| | | | | | Bottom | 6.4 | 0.3 | 206 | 27.8 | 27.8 | 7.9 | 7.9 | 29.6 | 29.6 | 65.7 | 65.8 | 4.4 | 4.4 | 4.5 | 4.4 | 4.5 | 4.4 | 7 | 5 | | | 92 | 97 | 90 | <0.2 | <0.2 | 1.4 | 2.7 | |
| | | | | | | 6.4 | 0.3 | 218 | 27.8 | 27.8 | 7.9 | 7.9 | 29.6 | 29.6 | 65.9 | 65.8 | 4.4 | 4.4 | 4.5 | 4.4 | 4.5 | 4.4 | 5 | 5 | | | 92 | 97 | 90 | <0.2 | <0.2 | 1.4 | 2.7 | |
| IM5 | Rainy | Moderate | 07:36 | 6.3 | Surface | 1.0 | 0.4 | 195 | 28.3 | 28.3 | 7.8 | 7.8 | 10.7 | 10.7 | 80.9 | 80.8 | 5.9 | 5.4 | 1.3 | 3.3 | 3 | 3 | 71 | 79 | 820555 | 804928 | <0.2 | <0.2 | 3.8 | 3.4 | | | | |
| | | | | | | 1.0 | 0.4 | 198 | 28.3 | 28.3 | 7.8 | 7.8 | 10.7 | 10.7 | 80.6 | 80.8 | 5.9 | 5.4 | 1.3 | 3.3 | 3 | 3 | 68 | 83 | | | 79 | <0.2 | <0.2 | 3.8 | 3.4 | | | |
| | | | | | Middle | 3.2 | 0.4 | 235 | 28.4 | 28.4 | 7.7 | 7.7 | 19.3 | 19.3 | 68.4 | 68.4 | 4.8 | 4.8 | 2.2 | 3.3 | 3 | 3 | 83 | 82 | | | 79 | <0.2 | <0.2 | 3.5 | 3.4 | | | |
| | | | | | | 3.2 | 0.4 | 235 | 28.4 | 28.4 | 7.7 | 7.7 | 19.3 | 19.3 | 68.3 | 68.4 | 4.8 | 4.8 | 2.1 | 3.3 | 2 | 3 | 82 | 84 | | | 79 | <0.2 | <0.2 | 3.3 | 3.4 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 13 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|----------|---------|----------------|---------|-------------------|-------|-------------------------|------|----------------|------|-------------------------|------|------------------------|-------|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | C1 | Cloudy | Moderate | 17:19 | 8.8 | Surface | 1.0 | 0.6 | 192 | 29.9 | 29.9 | 8.1 | 8.1 | 19.1 | 19.1 | 107.1 | | | 106.9 | 7.3 | 6.8 | 3.0 | 6.1 | 4 |
| | | | | | Surface | 1.0 | 0.6 | 198 | 29.9 | 29.9 | 8.1 | 8.1 | 19.1 | 19.1 | 106.6 | 106.9 | 7.3 | 6.8 | 3.0 | 6.1 | 5 | 6 | 76 | 83 | 815630 | 804239 | <0.2 | <0.2 | 3.5 | 2.8 | | |
| | | | | | Middle | 4.4 | 0.5 | 214 | 28.8 | 28.8 | 8.0 | 8.0 | 22.8 | 22.8 | 91.8 | 91.3 | 6.2 | 6.1 | 2.8 | 6.1 | 6 | 7 | 82 | 83 | 815630 | 804239 | <0.2 | <0.2 | 2.9 | 2.8 | | |
| | | | | | Middle | 4.4 | 0.6 | 220 | 28.8 | 28.8 | 8.0 | 8.0 | 22.8 | 22.8 | 90.7 | 91.3 | 6.2 | 6.1 | 3.0 | 6.1 | 7 | 6 | 86 | 83 | 815630 | 804239 | <0.2 | <0.2 | 2.9 | 2.8 | | |
| | | | | | Bottom | 7.8 | 0.6 | 216 | 28.1 | 28.1 | 8.0 | 8.0 | 28.6 | 29.2 | 66.4 | 66.6 | 4.4 | 4.4 | 11.8 | 6.1 | 7 | 6 | 92 | 83 | 815630 | 804239 | <0.2 | <0.2 | 1.9 | 2.8 | | |
| | | | | | Bottom | 7.8 | 0.6 | 236 | 28.0 | 28.0 | 7.9 | 8.0 | 29.7 | 29.2 | 66.7 | 66.6 | 4.4 | 4.4 | 12.7 | 6.1 | 6 | 6 | 91 | 83 | 815630 | 804239 | <0.2 | <0.2 | 1.8 | 2.8 | | |
| C2 | Cloudy | Moderate | 16:07 | 10.2 | Surface | 1.0 | 0.4 | 73 | 27.2 | 27.2 | 7.9 | 7.9 | 19.6 | 19.6 | 77.9 | 77.9 | 5.5 | 5.1 | 4.2 | 4.4 | 6 | 7 | 82 | 88 | 825673 | 806941 | <0.2 | <0.2 | 5.5 | 4.0 | | |
| | | | | | Surface | 1.0 | 0.4 | 76 | 27.2 | 27.2 | 7.9 | 7.9 | 19.6 | 19.6 | 77.9 | 77.9 | 5.5 | 5.1 | 4.2 | 4.4 | 6 | 7 | 81 | 88 | 825673 | 806941 | <0.2 | <0.2 | 5.4 | 4.0 | | |
| | | | | | Middle | 5.1 | 0.2 | 96 | 26.7 | 26.7 | 7.9 | 7.9 | 25.5 | 25.5 | 67.6 | 67.6 | 4.7 | 4.4 | 3.3 | 4.4 | 6 | 7 | 89 | 88 | 825673 | 806941 | <0.2 | <0.2 | 4.1 | 4.0 | | |
| | | | | | Middle | 5.1 | 0.3 | 96 | 26.7 | 26.7 | 7.9 | 7.9 | 25.5 | 25.5 | 67.6 | 67.6 | 4.7 | 4.4 | 3.3 | 4.4 | 6 | 7 | 89 | 88 | 825673 | 806941 | <0.2 | <0.2 | 4.3 | 4.0 | | |
| | | | | | Bottom | 9.2 | 0.3 | 115 | 26.0 | 26.0 | 7.9 | 7.9 | 29.4 | 29.4 | 58.2 | 58.2 | 4.0 | 4.0 | 5.8 | 4.0 | 8 | 7 | 93 | 88 | 825673 | 806941 | <0.2 | <0.2 | 2.4 | 4.0 | | |
| | | | | | Bottom | 9.2 | 0.3 | 122 | 26.0 | 26.0 | 7.9 | 7.9 | 29.4 | 29.4 | 58.2 | 58.2 | 4.0 | 4.0 | 5.8 | 4.0 | 8 | 7 | 92 | 88 | 825673 | 806941 | <0.2 | <0.2 | 2.4 | 4.0 | | |
| C3 | Cloudy | Calm | 18:09 | 12.1 | Surface | 1.0 | 1.1 | 167 | 27.0 | 27.0 | 8.1 | 8.1 | 24.7 | 24.7 | 94.4 | 93.7 | 6.6 | 5.2 | 1.8 | 2.7 | 4 | 4 | 83 | 89 | 822103 | 817810 | <0.2 | <0.2 | 2.5 | 1.9 | | |
| | | | | | Surface | 1.0 | 1.2 | 168 | 26.9 | 26.9 | 8.1 | 8.1 | 24.7 | 24.7 | 92.9 | 93.7 | 6.5 | 5.2 | 1.9 | 2.7 | 5 | 4 | 84 | 89 | 822103 | 817810 | <0.2 | <0.2 | 2.1 | 1.9 | | |
| | | | | | Middle | 6.1 | 0.5 | 168 | 25.7 | 25.8 | 8.0 | 8.0 | 30.3 | 30.2 | 55.9 | 55.9 | 3.8 | 5.2 | 3.1 | 2.7 | 3 | 4 | 91 | 89 | 822103 | 817810 | <0.2 | <0.2 | 2.0 | 1.9 | | |
| | | | | | Middle | 6.1 | 0.5 | 181 | 25.8 | 25.8 | 8.0 | 8.0 | 30.1 | 30.2 | 55.8 | 55.9 | 3.8 | 5.2 | 3.0 | 2.7 | 4 | 4 | 92 | 89 | 822103 | 817810 | <0.2 | <0.2 | 2.1 | 1.9 | | |
| | | | | | Bottom | 11.1 | 0.4 | 150 | 25.4 | 25.4 | 7.9 | 7.9 | 31.5 | 31.5 | 59.3 | 60.1 | 4.1 | 4.2 | 3.2 | 4.2 | 4 | 4 | 93 | 89 | 822103 | 817810 | <0.2 | <0.2 | 1.4 | 1.9 | | |
| | | | | | Bottom | 11.1 | 0.4 | 163 | 25.4 | 25.4 | 7.9 | 7.9 | 31.5 | 31.5 | 60.9 | 60.1 | 4.2 | 4.2 | 3.1 | 4.2 | 4 | 4 | 93 | 89 | 822103 | 817810 | <0.2 | <0.2 | 1.4 | 1.9 | | |
| IM1 | Cloudy | Moderate | 16:55 | 6.8 | Surface | 1.0 | 0.6 | 180 | 29.3 | 29.3 | 8.1 | 8.1 | 21.8 | 21.8 | 104.3 | 103.9 | 7.1 | 6.7 | 3.2 | 5.8 | 8 | 7 | 70 | 79 | 818370 | 806462 | <0.2 | <0.2 | 2.6 | 2.4 | | |
| | | | | | Surface | 1.0 | 0.6 | 197 | 29.3 | 29.3 | 8.1 | 8.1 | 21.8 | 21.8 | 103.4 | 103.9 | 7.0 | 6.7 | 3.3 | 5.8 | 7 | 7 | 73 | 79 | 818370 | 806462 | <0.2 | <0.2 | 2.7 | 2.4 | | |
| | | | | | Middle | 3.4 | 0.5 | 171 | 29.1 | 29.1 | 8.0 | 8.0 | 23.8 | 23.9 | 94.2 | 93.8 | 6.3 | 6.2 | 5.4 | 5.8 | 7 | 7 | 78 | 79 | 818370 | 806462 | <0.2 | <0.2 | 2.6 | 2.4 | | |
| | | | | | Middle | 3.4 | 0.5 | 185 | 29.1 | 29.1 | 8.0 | 8.0 | 23.9 | 23.9 | 93.4 | 93.8 | 6.3 | 6.2 | 5.5 | 5.8 | 7 | 7 | 79 | 79 | 818370 | 806462 | <0.2 | <0.2 | 2.7 | 2.4 | | |
| | | | | | Bottom | 5.8 | 0.3 | 206 | 28.6 | 28.7 | 8.0 | 8.0 | 26.2 | 26.1 | 89.8 | 90.7 | 6.0 | 6.1 | 8.8 | 6.1 | 8 | 7 | 86 | 79 | 818370 | 806462 | <0.2 | <0.2 | 2.0 | 2.4 | | |
| | | | | | Bottom | 5.8 | 0.3 | 206 | 28.8 | 28.7 | 8.0 | 8.0 | 26.0 | 26.1 | 91.6 | 90.7 | 6.1 | 6.1 | 8.6 | 6.1 | 7 | 7 | 87 | 79 | 818370 | 806462 | <0.2 | <0.2 | 1.8 | 2.4 | | |
| IM2 | Cloudy | Moderate | 16:47 | 7.3 | Surface | 1.0 | 0.6 | 193 | 29.0 | 29.1 | 8.0 | 8.0 | 21.2 | 21.2 | 98.4 | 98.0 | 6.7 | 6.2 | 2.8 | 4.9 | 6 | 8 | 73 | 79 | 818839 | 806212 | <0.2 | <0.2 | 3.6 | 2.6 | | |
| | | | | | Surface | 1.0 | 0.6 | 194 | 29.1 | 29.1 | 8.0 | 8.0 | 21.1 | 21.2 | 97.6 | 98.0 | 6.7 | 6.2 | 2.8 | 4.9 | 6 | 8 | 71 | 79 | 818839 | 806212 | <0.2 | <0.2 | 3.3 | 2.6 | | |
| | | | | | Middle | 3.7 | 0.5 | 186 | 28.6 | 28.6 | 8.0 | 8.0 | 24.7 | 24.8 | 84.9 | 84.8 | 5.7 | 5.3 | 3.8 | 4.9 | 8 | 8 | 78 | 79 | 818839 | 806212 | <0.2 | <0.2 | 2.6 | 2.6 | | |
| | | | | | Middle | 3.7 | 0.5 | 187 | 28.6 | 28.6 | 8.0 | 8.0 | 24.8 | 24.8 | 84.7 | 84.8 | 5.7 | 5.3 | 3.9 | 4.9 | 8 | 8 | 80 | 79 | 818839 | 806212 | <0.2 | <0.2 | 2.4 | 2.6 | | |
| | | | | | Bottom | 6.3 | 0.3 | 197 | 28.2 | 28.2 | 7.9 | 7.9 | 27.4 | 27.5 | 68.1 | 68.2 | 4.6 | 4.6 | 7.9 | 4.6 | 8 | 8 | 85 | 79 | 818839 | 806212 | <0.2 | <0.2 | 2.0 | 2.6 | | |
| | | | | | Bottom | 6.3 | 0.3 | 211 | 28.2 | 28.2 | 7.9 | 7.9 | 27.5 | 27.5 | 68.2 | 68.2 | 4.6 | 4.6 | 8.1 | 4.6 | 9 | 8 | 85 | 79 | 818839 | 806212 | <0.2 | <0.2 | 1.9 | 2.6 | | |
| IM3 | Cloudy | Moderate | 16:38 | 7.5 | Surface | 1.0 | 0.5 | 208 | 28.9 | 28.9 | 7.9 | 7.9 | 21.0 | 21.0 | 90.1 | 90.1 | 6.2 | 5.9 | 5.9 | 10.2 | 8 | 15 | 71 | 80 | 819402 | 806021 | <0.2 | <0.2 | 3.1 | 2.6 | | |
| | | | | | Surface | 1.0 | 0.5 | 209 | 28.9 | 28.9 | 7.9 | 7.9 | 21.0 | 21.0 | 90.1 | 90.1 | 6.2 | 5.9 | 6.0 | 10.2 | 7 | 15 | 73 | 80 | 819402 | 806021 | <0.2 | <0.2 | 2.9 | 2.6 | | |
| | | | | | Middle | 3.8 | 0.5 | 186 | 28.7 | 28.7 | 7.9 | 7.9 | 22.6 | 22.6 | 81.3 | 80.9 | 5.5 | 5.9 | 9.5 | 10.2 | 15 | 15 | 83 | 80 | 819402 | 806021 | <0.2 | <0.2 | 3.0 | 2.6 | | |
| | | | | | Middle | 3.8 | 0.5 | 203 | 28.7 | 28.7 | 7.9 | 7.9 | 22.6 | 22.6 | 80.4 | 80.9 | 5.5 | 5.9 | 9.5 | 10.2 | 16 | 15 | 79 | 80 | 819402 | 806021 | <0.2 | <0.2 | 2.8 | 2.6 | | |
| | | | | | Bottom | 6.5 | 0.5 | 200 | 28.2 | 28.2 | 7.9 | 7.9 | 27.3 | 27.4 | 69.1 | 69.6 | 4.6 | 4.7 | 14.9 | 4.7 | 23 | 15 | 85 | 80 | 819402 | 806021 | <0.2 | <0.2 | 2.0 | 2.6 | | |
| | | | | | Bottom | 6.5 | 0.5 | 206 | 28.2 | 28.2 | 7.9 | 7.9 | 27.4 | 27.4 | 70.1 | 69.6 | 4.7 | 4.7 | 15.2 | 4.7 | 22 | 15 | 86 | 80 | 819402 | 806021 | <0.2 | <0.2 | 1.8 | 2.6 | | |
| IM4 | Cloudy | Moderate | 16:31 | 7.6 | Surface | 1.0 | 0.5 | 213 | 28.7 | 28.7 | 7.8 | 7.8 | 22.7 | 22.7 | 78.7 | 78.7 | 5.4 | 5.3 | 3.7 | 5.3 | 6 | 7 | 73 | 80 | 819563 | 805055 | <0.2 | <0.2 | 2.9 | 2.8 | | |
| | | | | | Surface | 1.0 | 0.6 | 213 | 28.7 | 28.7 | 7.8 | 7.8 | 22.7 | 22.7 | 78.7 | 78.7 | 5.4 | 5.3 | 3.8 | 5.3 | 5 | 7 | 74 | 80 | 819563 | 805055 | <0.2 | <0.2 | 3.0 | 2.8 | | |
| | | | | | Middle | 3.8 | 0.5 | 206 | 28.6 | 28.6 | 7.8 | 7.8 | 22.9 | 22.9 | 75.1 | 75.1 | 5.1 | 5.3 | 5.2 | 5.3 | 7 | 7 | 80 | 80 | 819563 | 805055 | <0.2 | <0.2 | 2.6 | 2.8 | | |
| | | | | | Middle | 3.8 | 0.5 | 214 | 28.6 | 28.6 | 7.8 | 7.8 | 22.9 | 22.9 | 75.0 | 75.1 | 5.1 | 5.3 | 5.2 | 5.3 | 7 | 7 | 80 | 80 | 819563 | 805055 | <0.2 | <0.2 | 2.8 | 2.8 | | |
| | | | | | Bottom | 6.6 | 0.4 | 198 | 28.4 | 28.4 | 7.8 | 7.8 | 25.3 | 25.2 | 70.0 | 70.3 | 4.7 | 4.8 | 7.0 | 4.8 | 8 | 8 | 85 | 80 | 819563 | 805055 | <0.2 | <0.2 | 2.7 | 2.8 | | |
| | | | | | Bottom | 6.6 | 0.5 | 202 | 28.4 | 28.4 | 7.8 | 7.8 | 25.1 | 25.2 | 70.5 | 70.3 | 4.8 | 4.8 | 7.0 | 4.8 | 8 | 8 | 86 | 80 | 819563 | 805055 | <0.2 | <0.2 | 2.6 | 2.8 | | |
| IM5 | Cloudy | Moderate | 16:21 | 6.6 | Surface | 1.0 | 0.6 | 204 | 29.3 | 29.3 | 8.0 | 8. | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 13 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|------|------------------------|------|-------------------------------|------------------------------|-----------------|------|---------------|------|-------|----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Moderate | 16:53 | 7.0 | Surface | 1.0 | 0.4 | 142 | 27.3 | 27.3 | 8.1 | 8.1 | 20.9 | 20.9 | 95.4 | 95.3 | 6.7 | 6.0 | 3.4 | 14.4 | 4 | 5 | 85 | 90 | 822083 | 808801 | <0.2 | <0.2 | 4.4 | 3.2 | | | | |
| | | | | | | 1.0 | 0.4 | 155 | 27.3 | 8.1 | 8.1 | 20.9 | 20.9 | 95.2 | 95.3 | 6.7 | 6.0 | 3.4 | 14.4 | 4 | 5 | 86 | 90 | <0.2 | <0.2 | 4.2 | 3.2 | | | | | | | |
| | | | | | Middle | 3.5 | 0.5 | 161 | 26.8 | 26.8 | 8.0 | 8.0 | 24.7 | 24.7 | 76.8 | 76.7 | 5.4 | 6.0 | 5.9 | 6.1 | 3 | 5 | 90 | 91 | <0.2 | <0.2 | 3.2 | 2.9 | | | | | | |
| | | | | | | 3.5 | 0.5 | 174 | 26.8 | 26.8 | 8.0 | 8.0 | 24.7 | 24.7 | 76.6 | 76.7 | 5.3 | 6.0 | 6.1 | 3 | 5 | 91 | 93 | <0.2 | <0.2 | 2.9 | 2.0 | | | | | | | |
| | | | | | Bottom | 6.0 | 0.4 | 146 | 26.4 | 26.4 | 7.9 | 7.9 | 27.9 | 27.9 | 69.1 | 69.2 | 4.8 | 4.8 | 34.3 | 4.8 | 4.8 | 33.2 | 6 | 5 | 93 | 93 | <0.2 | <0.2 | 2.0 | 2.2 | | | | |
| | | | | | | 6.0 | 0.4 | 148 | 26.4 | 26.4 | 7.9 | 7.9 | 27.9 | 27.9 | 69.3 | 69.2 | 4.8 | 4.8 | 33.2 | 4.8 | 4.8 | 33.2 | 5 | 5 | 93 | 93 | <0.2 | <0.2 | 2.2 | 2.2 | | | | |
| IM10 | Cloudy | Moderate | 17:02 | 7.2 | Surface | 1.0 | 0.5 | 122 | 27.5 | 27.5 | 8.1 | 8.1 | 22.2 | 22.2 | 107.0 | 107.0 | 7.5 | 6.6 | 2.9 | 4.4 | 4 | 5 | 85 | 89 | 822248 | 809828 | <0.2 | <0.2 | 4.1 | 3.6 | | | | |
| | | | | | | 1.0 | 0.6 | 126 | 27.5 | 27.5 | 8.1 | 8.1 | 22.1 | 22.2 | 106.9 | 107.0 | 7.5 | 6.6 | 2.9 | 4.4 | 4 | 5 | 86 | 89 | <0.2 | <0.2 | 4.0 | 3.4 | | | | | | |
| | | | | | Middle | 3.6 | 0.5 | 113 | 27.0 | 27.0 | 8.0 | 8.0 | 24.0 | 24.0 | 80.4 | 80.3 | 5.6 | 6.6 | 3.9 | 4.4 | 3 | 5 | 90 | 89 | <0.2 | <0.2 | 3.2 | 3.4 | | | | | | |
| | | | | | | 3.6 | 0.6 | 122 | 27.0 | 27.0 | 8.0 | 8.0 | 24.0 | 24.0 | 80.1 | 80.3 | 5.6 | 6.6 | 3.9 | 4.4 | 4 | 5 | 89 | 93 | <0.2 | <0.2 | 3.4 | 3.5 | | | | | | |
| | | | | | Bottom | 6.2 | 0.4 | 124 | 26.6 | 26.6 | 8.0 | 8.0 | 25.7 | 25.7 | 70.3 | 70.3 | 4.9 | 4.9 | 6.3 | 4.9 | 4.9 | 6.3 | 7 | 8 | 93 | 92 | <0.2 | <0.2 | 3.5 | 3.1 | | | | |
| | | | | | | 6.2 | 0.4 | 132 | 26.6 | 26.6 | 8.0 | 8.0 | 25.7 | 25.7 | 70.3 | 70.3 | 4.9 | 4.9 | 6.3 | 4.9 | 4.9 | 6.3 | 8 | 8 | 92 | 92 | <0.2 | <0.2 | 3.1 | 3.1 | | | | |
| IM11 | Cloudy | Moderate | 17:11 | 8.1 | Surface | 1.0 | 0.5 | 108 | 27.6 | 27.6 | 8.2 | 8.2 | 21.2 | 21.2 | 113.1 | 113.0 | 7.9 | 7.3 | 3.1 | 6.0 | 3 | 4 | 84 | 88 | 821500 | 810533 | <0.2 | <0.2 | 2.6 | 2.6 | | | | |
| | | | | | | 1.0 | 0.5 | 110 | 27.6 | 27.6 | 8.2 | 8.2 | 21.2 | 21.2 | 112.8 | 113.0 | 7.9 | 7.3 | 3.1 | 6.0 | 3 | 4 | 83 | 89 | <0.2 | <0.2 | 2.7 | 2.5 | | | | | | |
| | | | | | Middle | 4.1 | 0.5 | 88 | 27.0 | 27.0 | 8.1 | 8.1 | 24.3 | 24.5 | 95.7 | 95.7 | 6.7 | 7.3 | 4.4 | 6.0 | 3 | 4 | 89 | 89 | <0.2 | <0.2 | 2.5 | 2.7 | | | | | | |
| | | | | | | 4.1 | 0.5 | 93 | 27.0 | 27.0 | 8.1 | 8.1 | 24.6 | 24.5 | 95.7 | 95.7 | 6.7 | 7.3 | 4.5 | 6.0 | 5 | 4 | 89 | 92 | <0.2 | <0.2 | 2.7 | 2.6 | | | | | | |
| | | | | | Bottom | 7.1 | 0.6 | 106 | 26.5 | 26.5 | 8.0 | 8.0 | 27.1 | 27.1 | 76.3 | 76.4 | 5.3 | 5.3 | 10.4 | 5.3 | 5.3 | 10.2 | 4 | 4 | 92 | 91 | <0.2 | <0.2 | 2.6 | 2.5 | | | | |
| | | | | | | 7.1 | 0.6 | 107 | 26.5 | 26.5 | 8.0 | 8.0 | 27.1 | 27.1 | 76.4 | 76.4 | 5.3 | 5.3 | 10.2 | 5.3 | 5.3 | 10.2 | 4 | 4 | 91 | 91 | <0.2 | <0.2 | 2.5 | 2.5 | | | | |
| IM12 | Cloudy | Moderate | 17:20 | 8.7 | Surface | 1.0 | 0.6 | 109 | 27.1 | 27.1 | 8.1 | 8.1 | 22.6 | 22.6 | 83.3 | 83.0 | 5.8 | 5.2 | 3.7 | 7.9 | <2 | 3 | 84 | 89 | 821163 | 811528 | <0.2 | <0.2 | 2.6 | 2.1 | | | | |
| | | | | | | 1.0 | 0.6 | 114 | 27.1 | 27.1 | 8.1 | 8.1 | 22.6 | 22.6 | 82.6 | 83.0 | 5.8 | 5.2 | 3.8 | 7.9 | 2 | 3 | 84 | 90 | <0.2 | <0.2 | 2.4 | 1.8 | | | | | | |
| | | | | | Middle | 4.4 | 0.5 | 87 | 26.3 | 26.4 | 8.0 | 8.0 | 26.8 | 26.8 | 66.1 | 66.1 | 4.6 | 5.2 | 6.8 | 7.9 | 4 | 3 | 90 | 89 | <0.2 | <0.2 | 2.0 | 1.8 | | | | | | |
| | | | | | | 4.4 | 0.5 | 90 | 26.4 | 26.4 | 8.0 | 8.0 | 26.7 | 26.8 | 66.1 | 66.1 | 4.6 | 5.2 | 6.7 | 7.9 | 4 | 3 | 89 | 93 | <0.2 | <0.2 | 1.8 | 1.9 | | | | | | |
| | | | | | Bottom | 7.7 | 0.4 | 94 | 25.7 | 25.7 | 8.0 | 8.0 | 30.7 | 30.7 | 55.3 | 55.4 | 4.1 | 4.0 | 13.3 | 4.0 | 4.0 | 13.3 | 4 | 4 | 93 | 91 | <0.2 | <0.2 | 1.7 | 1.9 | | | | |
| | | | | | | 7.7 | 0.5 | 101 | 25.7 | 25.7 | 8.0 | 8.0 | 30.7 | 30.7 | 55.5 | 55.4 | 3.8 | 4.0 | 13.3 | 4.0 | 4.0 | 13.3 | 4 | 4 | 91 | 91 | <0.2 | <0.2 | 1.9 | 1.9 | | | | |
| SR2 | Cloudy | Moderate | 17:43 | 5.2 | Surface | 1.0 | 0.4 | 93 | 27.0 | 27.0 | 8.1 | 8.1 | 24.5 | 24.5 | 92.6 | 92.4 | 6.4 | 6.4 | 4.3 | 4.9 | 4 | 5 | 84 | 88 | 821464 | 814158 | <0.2 | <0.2 | 2.1 | 1.9 | | | | |
| | | | | | | 1.0 | 0.5 | 100 | 27.0 | 27.0 | 8.0 | 8.1 | 24.5 | 24.5 | 92.1 | 92.4 | 6.4 | 6.4 | 4.3 | 4.9 | 4 | 5 | 85 | 91 | <0.2 | <0.2 | 1.7 | 1.8 | | | | | | |
| | | | | | Middle | 2.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.4 | 4.9 | - | 5 | - | - | - | - | <0.2 | <0.2 | - | - | | |
| | | | | | | 2.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.4 | 4.9 | - | 5 | - | - | - | - | <0.2 | <0.2 | - | - | | |
| | | | | | Bottom | 4.2 | 0.3 | 114 | 26.8 | 26.7 | 8.0 | 8.0 | 25.4 | 25.6 | 84.4 | 84.4 | 5.9 | 5.9 | 5.4 | 5.9 | 5.4 | 5.5 | 5 | 5 | 91 | 91 | <0.2 | <0.2 | 1.9 | 1.8 | | | | |
| | | | | | | 4.2 | 0.3 | 123 | 26.6 | 26.6 | 8.0 | 8.0 | 25.8 | 25.6 | 84.4 | 84.4 | 5.9 | 5.9 | 5.5 | 5.9 | 5.5 | 5.5 | 5 | 5 | 91 | 91 | <0.2 | <0.2 | 1.8 | 1.8 | | | | |
| SR3 | Cloudy | Moderate | 16:38 | 8.4 | Surface | 1.0 | 0.6 | 182 | 27.8 | 27.8 | 8.1 | 8.1 | 17.0 | 17.0 | 108.3 | 108.2 | 7.7 | 6.2 | 5.0 | 3.9 | 6 | 5 | - | - | 822130 | 807571 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.7 | 195 | 27.8 | 27.8 | 8.1 | 8.1 | 17.0 | 17.0 | 108.0 | 108.2 | 7.7 | 6.2 | 4.9 | 3.9 | 6 | 5 | - | - | - | - | - | - | - | - | - | | | |
| | | | | | Middle | 4.2 | 0.5 | 180 | 26.5 | 26.5 | 7.9 | 7.9 | 26.2 | 26.2 | 66.7 | 66.8 | 4.6 | 6.2 | 3.1 | 3.9 | 4 | 5 | - | - | - | - | - | - | - | - | - | - | | |
| | | | | | | 4.2 | 0.5 | 189 | 26.5 | 26.5 | 7.9 | 7.9 | 26.2 | 26.2 | 66.8 | 66.8 | 4.6 | 6.2 | 3.1 | 3.9 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | | |
| | | | | | Bottom | 7.4 | 0.2 | 197 | 26.1 | 26.1 | 7.9 | 7.9 | 28.2 | 28.2 | 62.6 | 62.6 | 4.3 | 4.3 | 3.6 | 4.3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | | |
| | | | | | | 7.4 | 0.3 | 203 | 26.1 | 26.1 | 7.9 | 7.9 | 28.2 | 28.2 | 62.6 | 62.6 | 4.3 | 4.3 | 3.6 | 4.3 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | | |
| SR4A | Cloudy | Moderate | 17:39 | 7.9 | Surface | 1.0 | 0.4 | 107 | 29.0 | 29.0 | 7.9 | 7.9 | 23.7 | 23.7 | 85.6 | 85.4 | 5.8 | 5.6 | 5.5 | 8.8 | 9 | 11 | - | - | 817193 | 807812 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.4 | 114 | 29.0 | 29.0 | 7.9 | 7.9 | 23.7 | 23.7 | 85.2 | 85.4 | 5.8 | 5.6 | 5.4 | 8.8 | 10 | 11 | - | - | - | - | - | - | - | - | | | | |
| | | | | | Middle | 4.0 | 0.5 | 97 | 28.8 | 28.8 | 7.9 | 7.9 | 24.4 | 24.4 | 79.3 | 79.0 | 5.3 | 5.6 | 7.8 | 8.8 | 10 | 11 | - | - | - | - | - | - | - | - | - | | | |
| | | | | | | 4.0 | 0.5 | 101 | 28.8 | 28.8 | 7.9 | 7.9 | 24.3 | 24.4 | 78.6 | 79.0 | 5.3 | 5.6 | 8.0 | 8.8 | 10 | 11 | - | - | - | - | - | - | - | - | | | | |
| | | | | | Bottom | 6.9 | 0.4 | 91 | 28.1 | 28.1 | 7.9 | 7.9 | 28.3 | 28.3 | 65.2 | 65.3 | 4.4 | 4.4 | 13.1 | 4.4 | 4.4 | 12.9 | 12 | 12 | - | - | - | - | - | - | - | | | |
| | | | | | | 6.9 | 0.5 | 91 | 28.1 | 28.1 | 7.9 | 7.9 | 28.3 | 28.3 | 65.4 | 65.3 | 4.4 | 4.4 | 12.9 | 4.4 | 4.4 | 12.9 | 12 | 12 | - | - | - | - | - | - | | | | |
| SR5A | Cloudy | Moderate | 17:57 | 5.3 | Surface | 1.0 | 0.1 | 127 | 28.8 | 28.8 | 7.9 | 7.9 | 24.5 | 24.5 | 77.1 | 77.9 | 5.2 | 5.3 | 8.9 | 10.8 | 13 | 17 | - | - | 816576 | 810693 | - | - | - | - | | | | |
| | | | | | | 1.0 | 0.1 | 139 | 28.8 | 28.8 | 7.9 | 7.9 | 24.5 | 24.5 | 78.6 | 77.9 | 5.3 | 5.3 | 8.5 | 10.8 | 12 | 17 | - | - | - | - | - | - | | | | | | |
| | | | | | Middle | 2.7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.8 | 17 | - | - | - | - | - | - | | | | |
| | | | | | | 2.7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.8 | 17 | - | - | - | - | - | | | | | |
| | | | | | Bottom | 4.3 | 0.1 | 142 | 28.4 | 28.5 | 7.8 | 7.9 | 25.9 | 25.9 | 74.3 | 75.2 | 5.0 | 5.1 | 12.9 | 5.1 | 5.1 | 12.8 | 21 | 23 | - | - | - | - | - | | | | | |
| | | | | | | 4.3 | 0.2 | 151 | 28.5 | 28.5 | 7.9 | 7.9 | 25.9 | 25.9 | 76.1 | 75.2 | 5.0 | 5.1 | 12.8 | 5.1 | 5.1 | 12.8 | 23 | 23 | - | - | - | - | - | | | | | |
| SR6 | Cloudy | Moderate | 18:22 | 5.0 | Surface | 1.0 | 0.2 | 184 | 28.7 | 28.7 | 7.9 | 7.9 | 24.3 | 24.4 | 78.6 | 77.7 | 5.3 | 5.3 | 13.7 | 16.0 | 23 | 22 | - | - | 817890 | 814653 | - | - | - | - | | | | |
| | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 13 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|-----|-------------------------|----|------------------------|--------|-------------------------------|------------------------------|-----------------|--------|---------------|-----|-------|----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Cloudy | Moderate | 09:38 | 8.7 | Surface | 1.0 | 0.3 | 163 | 28.9 | 28.9 | 8.0 | 8.0 | 21.0 | 21.0 | 90.5 | 89.8 | 6.2 | 5.7 | 1.1 | 4.2 | 4 | 6 | 71 | 80 | 815626 | 804266 | <0.2 | <0.2 | 3.2 | 2.1 | | | | |
| | | | | | | 1.0 | 0.3 | 176 | 28.9 | 8.0 | 8.0 | 21.0 | 21.0 | 89.0 | 89.8 | 6.1 | 5.7 | 1.0 | 4.2 | 4 | 6 | 68 | 80 | 815626 | 804266 | <0.2 | <0.2 | 2.7 | 2.1 | | | | | |
| | | | | | Middle | 4.4 | 0.3 | 117 | 28.6 | 28.6 | 8.0 | 8.0 | 23.9 | 23.8 | 77.7 | 77.0 | 5.3 | 4.5 | 3.0 | 4.2 | 4 | 6 | 73 | 80 | 815626 | 804266 | <0.2 | <0.2 | 2.1 | 2.1 | | | | |
| | | | | | | 4.4 | 0.4 | 123 | 28.6 | 28.6 | 8.0 | 8.0 | 23.6 | 23.8 | 76.3 | 77.0 | 5.2 | 4.5 | 3.2 | 4.2 | 5 | 6 | 74 | 80 | 815626 | 804266 | <0.2 | <0.2 | 2.1 | 2.1 | | | | |
| | | | | | Bottom | 7.7 | 0.4 | 88 | 27.9 | 27.9 | 7.9 | 7.9 | 31.0 | 31.0 | 68.0 | 68.1 | 4.5 | 4.5 | 8.4 | 4.5 | 9 | 6 | 94 | 80 | 815626 | 804266 | <0.2 | <0.2 | 1.3 | 2.1 | | | | |
| | | | | | | 7.7 | 0.5 | 91 | 27.9 | 27.9 | 7.9 | 7.9 | 31.0 | 31.0 | 68.1 | 68.1 | 4.5 | 4.5 | 8.5 | 4.5 | 8 | 6 | 97 | 80 | 815626 | 804266 | <0.2 | <0.2 | 0.9 | 2.1 | | | | |
| C2 | Cloudy | Moderate | 11:30 | 12.3 | Surface | 1.0 | 0.4 | 255 | 26.9 | 26.9 | 8.0 | 8.0 | 20.4 | 20.4 | 76.7 | 76.5 | 5.5 | 5.0 | 2.2 | 2.5 | 3 | 4 | 82 | 88 | 825698 | 806964 | <0.2 | <0.2 | 3.8 | 2.6 | | | | |
| | | | | | | 1.0 | 0.4 | 273 | 26.9 | 26.9 | 8.0 | 8.0 | 20.4 | 20.4 | 76.2 | 76.5 | 5.4 | 5.0 | 2.2 | 2.5 | 4 | 4 | 82 | 88 | 825698 | 806964 | <0.2 | <0.2 | 3.6 | 2.6 | | | | |
| | | | | | Middle | 6.2 | 0.4 | 272 | 26.8 | 26.8 | 7.9 | 7.9 | 21.9 | 22.2 | 64.5 | 64.3 | 4.6 | 4.3 | 2.4 | 2.5 | 3 | 4 | 90 | 88 | 825698 | 806964 | <0.2 | <0.2 | 2.1 | 2.6 | | | | |
| | | | | | | 6.2 | 0.5 | 280 | 26.8 | 26.8 | 7.9 | 7.9 | 22.4 | 22.2 | 64.0 | 64.3 | 4.5 | 4.3 | 2.5 | 2.5 | 5 | 4 | 89 | 88 | 825698 | 806964 | <0.2 | <0.2 | 2.0 | 2.6 | | | | |
| | | | | | Bottom | 11.3 | 0.4 | 284 | 25.6 | 25.6 | 7.9 | 7.9 | 30.6 | 30.6 | 61.8 | 61.8 | 4.3 | 4.3 | 2.9 | 4.3 | 4 | 4 | 93 | 88 | 825698 | 806964 | <0.2 | <0.2 | 2.0 | 2.6 | | | | |
| | | | | | | 11.3 | 0.4 | 311 | 25.6 | 25.6 | 7.9 | 7.9 | 30.6 | 30.6 | 61.8 | 61.8 | 4.3 | 4.3 | 2.9 | 4.3 | 4 | 4 | 92 | 88 | 825698 | 806964 | <0.2 | <0.2 | 1.9 | 2.6 | | | | |
| C3 | Cloudy | Calm | 09:16 | 13.5 | Surface | 1.0 | 0.7 | 180 | 26.4 | 26.4 | 8.0 | 8.0 | 24.2 | 24.2 | 75.2 | 75.0 | 5.3 | 5.1 | 2.1 | 1.8 | 3 | 3 | 85 | 89 | 822113 | 817817 | <0.2 | <0.2 | 2.3 | 2.0 | | | | |
| | | | | | | 1.0 | 0.8 | 181 | 26.4 | 26.4 | 8.0 | 8.0 | 24.2 | 24.2 | 74.8 | 75.0 | 5.3 | 5.1 | 2.1 | 1.8 | 3 | 3 | 86 | 89 | 822113 | 817817 | <0.2 | <0.2 | 2.3 | 2.0 | | | | |
| | | | | | Middle | 6.8 | 0.3 | 163 | 26.0 | 26.0 | 8.0 | 8.0 | 28.4 | 28.4 | 68.8 | 68.8 | 4.8 | 4.5 | 1.6 | 4.5 | 2 | 3 | 89 | 89 | 822113 | 817817 | <0.2 | <0.2 | 2.0 | 2.0 | | | | |
| | | | | | | 6.8 | 0.3 | 172 | 26.0 | 26.0 | 8.0 | 8.0 | 28.4 | 28.4 | 68.8 | 68.8 | 4.8 | 4.5 | 1.6 | 4.5 | 3 | 3 | 90 | 89 | 822113 | 817817 | <0.2 | <0.2 | 2.0 | 2.0 | | | | |
| | | | | | Bottom | 12.5 | 0.3 | 176 | 25.3 | 25.3 | 7.9 | 7.9 | 31.6 | 31.6 | 65.0 | 65.1 | 4.5 | 4.5 | 1.7 | 4.5 | 3 | 3 | 93 | 89 | 822113 | 817817 | <0.2 | <0.2 | 1.5 | 2.0 | | | | |
| | | | | | | 12.5 | 0.4 | 183 | 25.3 | 25.3 | 7.9 | 7.9 | 31.6 | 31.6 | 65.2 | 65.1 | 4.5 | 4.5 | 1.7 | 4.5 | 3 | 3 | 93 | 89 | 822113 | 817817 | <0.2 | <0.2 | 1.7 | 2.0 | | | | |
| IM1 | Cloudy | Moderate | 10:05 | 7.2 | Surface | 1.0 | 0.2 | 260 | 28.7 | 28.7 | 8.0 | 8.0 | 23.1 | 23.2 | 86.7 | 86.6 | 5.9 | 5.5 | 1.6 | 3.6 | 3 | 5 | 73 | 80 | 818361 | 806443 | <0.2 | <0.2 | 2.6 | 1.8 | | | | |
| | | | | | | 1.0 | 0.2 | 263 | 28.7 | 28.7 | 8.0 | 8.0 | 23.2 | 23.2 | 86.5 | 86.6 | 5.9 | 5.5 | 1.7 | 3.6 | 3 | 5 | 74 | 80 | 818361 | 806443 | <0.2 | <0.2 | 2.6 | 1.8 | | | | |
| | | | | | Middle | 3.6 | 0.3 | 236 | 28.1 | 28.1 | 8.0 | 8.0 | 29.0 | 29.0 | 75.1 | 75.0 | 5.0 | 4.3 | 3.8 | 4.3 | 4 | 5 | 76 | 80 | 818361 | 806443 | <0.2 | <0.2 | 1.7 | 1.8 | | | | |
| | | | | | | 3.6 | 0.4 | 236 | 28.1 | 28.1 | 8.0 | 8.0 | 29.0 | 29.0 | 74.9 | 75.0 | 5.0 | 4.3 | 4.0 | 4.3 | 4 | 5 | 80 | 80 | 818361 | 806443 | <0.2 | <0.2 | 1.6 | 1.8 | | | | |
| | | | | | Bottom | 6.2 | 0.4 | 208 | 27.8 | 27.8 | 7.9 | 7.9 | 30.5 | 30.5 | 64.2 | 64.3 | 4.3 | 4.3 | 5.1 | 4.3 | 7 | 5 | 85 | 80 | 818361 | 806443 | <0.2 | <0.2 | 1.1 | 1.8 | | | | |
| | | | | | | 6.2 | 0.4 | 213 | 27.8 | 27.8 | 7.9 | 7.9 | 30.5 | 30.5 | 64.4 | 64.3 | 4.3 | 4.3 | 5.2 | 4.3 | 7 | 5 | 89 | 80 | 818361 | 806443 | <0.2 | <0.2 | 1.2 | 1.8 | | | | |
| IM2 | Cloudy | Moderate | 10:16 | 7.4 | Surface | 1.0 | 0.6 | 239 | 28.8 | 28.8 | 8.0 | 8.0 | 22.6 | 22.2 | 90.2 | 90.1 | 6.1 | 5.9 | 1.1 | 2.4 | 3 | 3 | 75 | 83 | 818853 | 806173 | <0.2 | <0.2 | 3.1 | 1.9 | | | | |
| | | | | | | 1.0 | 0.6 | 257 | 28.8 | 28.8 | 8.0 | 8.0 | 21.8 | 22.2 | 90.0 | 90.1 | 6.2 | 5.9 | 1.2 | 2.4 | 3 | 3 | 78 | 83 | 818853 | 806173 | <0.2 | <0.2 | 2.7 | 1.9 | | | | |
| | | | | | Middle | 3.7 | 0.4 | 283 | 28.6 | 28.6 | 8.0 | 8.1 | 25.3 | 25.3 | 83.5 | 82.4 | 5.6 | 4.6 | 1.9 | 4.6 | 3 | 3 | 83 | 83 | 818853 | 806173 | <0.2 | <0.2 | 1.6 | 1.9 | | | | |
| | | | | | | 3.7 | 0.4 | 288 | 28.6 | 28.6 | 8.1 | 8.1 | 25.3 | 25.3 | 81.2 | 82.4 | 5.5 | 4.6 | 2.0 | 4.6 | 3 | 3 | 83 | 83 | 818853 | 806173 | <0.2 | <0.2 | 1.2 | 1.9 | | | | |
| | | | | | Bottom | 6.4 | 0.4 | 171 | 28.0 | 28.0 | 7.9 | 7.9 | 29.3 | 29.3 | 69.3 | 69.4 | 4.6 | 4.6 | 3.9 | 4.6 | 4 | 3 | 87 | 83 | 818853 | 806173 | <0.2 | <0.2 | 1.3 | 1.9 | | | | |
| | | | | | | 6.4 | 0.4 | 174 | 28.0 | 28.0 | 7.9 | 7.9 | 29.3 | 29.3 | 69.4 | 69.4 | 4.6 | 4.6 | 4.1 | 4.6 | 4 | 3 | 90 | 83 | 818853 | 806173 | <0.2 | <0.2 | 1.3 | 1.9 | | | | |
| IM3 | Cloudy | Moderate | 10:25 | 7.1 | Surface | 1.0 | 0.7 | 254 | 28.6 | 28.6 | 7.9 | 8.0 | 21.4 | 21.5 | 91.3 | 91.2 | 6.3 | 6.1 | 0.9 | 1.9 | 2 | 4 | 73 | 80 | 819407 | 806000 | <0.2 | <0.2 | 2.8 | 2.1 | | | | |
| | | | | | | 1.0 | 0.7 | 274 | 28.6 | 28.6 | 8.0 | 8.0 | 21.5 | 21.5 | 91.1 | 91.2 | 6.3 | 6.1 | 0.9 | 1.9 | 3 | 4 | 70 | 80 | 819407 | 806000 | <0.2 | <0.2 | 3.0 | 2.1 | | | | |
| | | | | | Middle | 3.6 | 0.5 | 256 | 28.6 | 28.6 | 8.0 | 8.0 | 26.4 | 26.3 | 88.0 | 87.6 | 5.9 | 5.5 | 1.4 | 5.5 | 3 | 4 | 80 | 80 | 819407 | 806000 | <0.2 | <0.2 | 2.1 | 2.1 | | | | |
| | | | | | | 3.6 | 0.5 | 275 | 28.6 | 28.6 | 8.0 | 8.0 | 26.2 | 26.3 | 87.2 | 87.6 | 5.8 | 5.5 | 1.5 | 5.5 | 3 | 4 | 77 | 80 | 819407 | 806000 | <0.2 | <0.2 | 1.9 | 2.1 | | | | |
| | | | | | Bottom | 6.1 | 0.3 | 228 | 28.3 | 28.3 | 8.0 | 8.0 | 27.6 | 27.6 | 83.0 | 83.1 | 5.5 | 4.5 | 3.2 | 4.5 | 6 | 4 | 87 | 80 | 819407 | 806000 | <0.2 | <0.2 | 1.3 | 2.1 | | | | |
| | | | | | | 6.1 | 0.4 | 242 | 28.3 | 28.3 | 8.0 | 8.0 | 27.6 | 27.6 | 83.1 | 83.1 | 5.5 | 4.5 | 3.4 | 4.5 | 5 | 4 | 90 | 80 | 819407 | 806000 | <0.2 | <0.2 | 1.6 | 2.1 | | | | |
| IM4 | Cloudy | Moderate | 10:33 | 7.7 | Surface | 1.0 | 0.7 | 253 | 28.8 | 28.8 | 7.9 | 7.9 | 20.3 | 20.3 | 93.2 | 93.0 | 6.4 | 6.1 | 0.7 | 2.7 | 2 | 3 | 75 | 83 | 819582 | 805019 | <0.2 | <0.2 | 3.1 | 2.4 | | | | |
| | | | | | | 1.0 | 0.7 | 267 | 28.8 | 28.8 | 7.9 | 7.9 | 20.3 | 20.3 | 92.7 | 93.0 | 6.4 | 6.1 | 0.7 | 2.7 | 3 | 3 | 78 | 83 | 819582 | 805019 | <0.2 | <0.2 | 3.4 | 2.4 | | | | |
| | | | | | Middle | 3.9 | 0.6 | 260 | 28.7 | 28.7 | 8.0 | 8.0 | 23.1 | 23.1 | 85.5 | 84.9 | 5.8 | 4.5 | 2.3 | 4.5 | 3 | 3 | 82 | 83 | 819582 | 805019 | <0.2 | <0.2 | 2.4 | 2.4 | | | | |
| | | | | | | 3.9 | 0.6 | 262 | 28.7 | 28.7 | 8.0 | 8.0 | 23.0 | 23.1 | 84.3 | 84.9 | 5.7 | 4.5 | 2.2 | 4.5 | 4 | 3 | 83 | 83 | 819582 | 805019 | <0.2 | <0.2 | 2.8 | 2.4 | | | | |
| | | | | | Bottom | 6.7 | 0.5 | 238 | 27.9 | 27.9 | 7.9 | 7.9 | 29.7 | 29.8 | 66.7 | 67.3 | 4.4 | 4.5 | 5.3 | 4.5 | 2 | 3 | 87 | 83 | 819582 | 805019 | <0.2 | <0.2 | 1.5 | 2.4 | | | | |
| | | | | | | 6.7 | 0.6 | 255 | 27.9 | 27.9 | 7.9 | 7.9 | 29.8 | 29.8 | 67.8 | 67.3 | 4.5 | 4.5 | 5.1 | 4.5 | 3 | 3 | 90 | 83 | 819582 | 805019 | <0.2 | <0.2 | 1.4 | 2.4 | | | | |
| IM5 | Cloudy | Moderate | 10:42 | 6.4 | Surface | 1.0 | 0.2 | 257 | 28.7 | 28.8 | 7.9 | 7.9 | 21.8 | 21.7 | 84.6 | 84.4 | 5.8 | 5.5 | 0.5 | 3.7 | 3 | 6 | 68 | 75 | 820566 | 804908 | <0.2 | <0.2 | 3.0 | 2.2 | | | | |
| | | | | | | 1.0 | 0.3 | 267 | 28.8 | 28.8 | 7.9 | 7.9 | 21.5 | 21.7 | 84.2 | 84.4 | 5.8 | 5.5 | 0.5 | 3.7 | 4 | 6 | 67 | 75 | 820566 | 804908 | <0.2 | <0.2 | 3.2 | 2.2 | | | | |
| | | | | | Middle | 3.2 | 0.5 | 277 | 28.4 | 28.5 | 8.0 | 8.0 | 27.3 | 27.2 | 77.5 | 77.1 | 5.2 | 4.3 | 1.5 | 4.3 | 3 | 6 | 72 | 75 | 820566 | 804908 | <0.2 | <0.2</ | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 15 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|--------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|-------------------------|------|----------------|------|-------------------------|-----|------------------------|------|-------------------------------|------------------------------|-----------------|------|---------------|--------|--------|------|-------|------|------|-----|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Fine | Rough | 18:11 | 8.9 | Surface | 1.0 | 1.0 | 217 | 28.8 | 28.8 | 8.0 | 8.0 | 24.3 | 24.3 | 92.0 | 91.9 | 6.2 | 5.9 | 14.5 | 15.5 | 21 | 23 | 71 | 80 | 815628 | 804237 | <0.2 | <0.2 | 1.4 | 1.4 | | | | | | | |
| | | | | | | 1.0 | 1.0 | 226 | 28.8 | 28.8 | 8.0 | 8.0 | 24.3 | 24.3 | 91.8 | 91.8 | 6.2 | 5.9 | 14.5 | 15.5 | 22 | 23 | 72 | 80 | 72 | 80 | 72 | 80 | <0.2 | <0.2 | 1.6 | 1.4 | | | | | |
| | | | | | | 4.5 | 0.9 | 221 | 28.5 | 28.5 | 7.9 | 7.9 | 25.7 | 25.7 | 83.0 | 82.9 | 5.6 | 5.9 | 17.0 | 15.5 | 22 | 23 | 78 | 80 | 78 | 80 | 78 | 80 | <0.2 | <0.2 | 1.5 | 1.4 | | | | | |
| | | | | | Middle | 4.5 | 0.9 | 224 | 28.5 | 28.5 | 7.9 | 7.9 | 25.6 | 25.7 | 82.8 | 82.9 | 5.6 | 5.9 | 16.9 | 15.5 | 22 | 23 | 81 | 80 | 81 | 80 | 81 | 80 | 81 | 80 | <0.2 | <0.2 | 1.4 | 1.4 | | | |
| | | | | | | 7.9 | 0.7 | 219 | 28.3 | 28.3 | 7.9 | 7.9 | 27.7 | 27.7 | 77.2 | 77.3 | 5.2 | 5.2 | 15.1 | 15.5 | 25 | 23 | 87 | 80 | 87 | 80 | 87 | 80 | <0.2 | <0.2 | 1.2 | 1.4 | | | | | |
| | | | | | | 7.9 | 0.7 | 230 | 28.3 | 28.3 | 7.9 | 7.9 | 27.7 | 27.7 | 77.3 | 77.3 | 5.2 | 5.2 | 15.1 | 15.5 | 26 | 23 | 90 | 80 | 90 | 80 | 90 | 80 | <0.2 | <0.2 | 1.4 | 1.4 | | | | | |
| | | | | | C2 | Cloudy | Moderate | 17:00 | 11.2 | Surface | 1.0 | 1.3 | 132 | 27.1 | 27.1 | 8.0 | 8.0 | 19.4 | 19.4 | 89.5 | 89.5 | 6.4 | 6.0 | 3.4 | 6.8 | 3 | 4 | 81 | 88 | 825694 | 806946 | <0.2 | <0.2 | 2.2 | 2.3 | | |
| | | | | | | | | | | | 1.0 | 1.3 | 137 | 27.1 | 27.1 | 8.0 | 8.0 | 19.4 | 19.4 | 89.5 | 89.5 | 6.4 | 6.0 | 3.5 | 6.8 | 4 | 4 | 82 | 88 | 82 | 88 | 82 | 88 | <0.2 | <0.2 | 1.9 | 2.3 |
| | | | | | | | | | | | 5.6 | 0.7 | 132 | 26.5 | 26.5 | 8.0 | 8.0 | 22.5 | 22.5 | 78.1 | 78.1 | 5.5 | 6.0 | 7.2 | 6.8 | 3 | 4 | 89 | 88 | 89 | 88 | 89 | 88 | <0.2 | <0.2 | 2.1 | 2.3 |
| Middle | 5.6 | 0.7 | 138 | 26.5 | | | | | | 26.5 | 8.0 | 8.0 | 22.5 | 22.5 | 78.1 | 78.1 | 5.5 | 6.0 | 7.2 | 6.8 | 4 | 4 | 90 | 88 | 90 | 88 | 90 | 88 | <0.2 | <0.2 | 2.0 | 2.3 | | | | | |
| | 10.2 | 0.6 | 118 | 26.1 | | | | | | 26.1 | 7.9 | 7.9 | 24.9 | 24.9 | 77.8 | 77.8 | 5.5 | 5.5 | 9.6 | 6.8 | 6 | 4 | 93 | 88 | 93 | 88 | 93 | 88 | <0.2 | <0.2 | 2.7 | 2.3 | | | | | |
| | 10.2 | 0.7 | 124 | 26.1 | | | | | | 26.1 | 7.9 | 7.9 | 24.9 | 24.9 | 77.8 | 77.8 | 5.5 | 5.5 | 9.6 | 6.8 | 5 | 4 | 92 | 88 | 92 | 88 | 92 | 88 | <0.2 | <0.2 | 3.1 | 2.3 | | | | | |
| C3 | Cloudy | Moderate | 18:48 | 12.5 | | | | | | Surface | 1.0 | 1.3 | 177 | 26.7 | 26.7 | 8.2 | 8.2 | 24.3 | 24.3 | 89.5 | 89.3 | 6.3 | 5.6 | 8.0 | 8.6 | 8 | 10 | 82 | 89 | 822102 | 817793 | <0.2 | <0.2 | 1.5 | 1.2 | | |
| | | | | | | | | | | | 1.0 | 1.4 | 188 | 26.7 | 26.7 | 8.2 | 8.2 | 24.3 | 24.3 | 89.0 | 89.3 | 6.2 | 5.6 | 8.0 | 8.6 | 8 | 10 | 84 | 89 | 84 | 89 | 84 | 89 | <0.2 | <0.2 | 1.3 | 1.2 |
| | | | | | | | | | | | 6.3 | 1.0 | 175 | 25.8 | 25.8 | 8.0 | 8.0 | 27.2 | 27.2 | 71.8 | 71.8 | 5.0 | 5.6 | 9.0 | 8.6 | 11 | 10 | 90 | 89 | 90 | 89 | 90 | 89 | <0.2 | <0.2 | 1.1 | 1.2 |
| | | | | | Middle | 6.3 | 1.0 | 185 | 25.8 | 25.8 | 8.0 | 8.0 | 27.2 | 27.2 | 71.8 | 71.8 | 5.0 | 5.6 | 9.0 | 8.6 | 12 | 10 | 91 | 89 | 91 | 89 | 91 | 89 | <0.2 | <0.2 | 1.2 | 1.2 | | | | | |
| | | | | | | 11.5 | 0.8 | 174 | 25.6 | 25.6 | 8.0 | 8.0 | 27.7 | 27.7 | 71.4 | 71.4 | 5.0 | 5.0 | 8.9 | 5.0 | 11 | 10 | 93 | 89 | 93 | 89 | 93 | 89 | <0.2 | <0.2 | 0.8 | 1.2 | | | | | |
| | | | | | | 11.5 | 0.8 | 183 | 25.6 | 25.6 | 8.0 | 8.0 | 27.7 | 27.7 | 71.4 | 71.4 | 5.0 | 5.0 | 8.9 | 5.0 | 12 | 10 | 93 | 89 | 93 | 89 | 93 | 89 | <0.2 | <0.2 | 1.1 | 1.2 | | | | | |
| | | | | | IM1 | Fine | Rough | 17:51 | 6.9 | Surface | 1.0 | 0.9 | 195 | 28.8 | 28.8 | 8.0 | 8.0 | 24.2 | 24.2 | 90.7 | 90.6 | 6.1 | 5.8 | 12.5 | 15.2 | 17 | 20 | 73 | 80 | 818357 | 806453 | <0.2 | <0.2 | 2.6 | 2.0 | | |
| | | | | | | | | | | | 1.0 | 0.9 | 203 | 28.8 | 28.8 | 8.0 | 8.0 | 24.1 | 24.2 | 90.4 | 90.6 | 6.1 | 5.8 | 12.9 | 15.2 | 16 | 20 | 75 | 80 | 75 | 80 | <0.2 | <0.2 | 2.0 | 2.0 | | |
| | | | | | | | | | | | 3.5 | 0.5 | 181 | 28.5 | 28.5 | 8.0 | 8.0 | 26.3 | 26.3 | 81.4 | 81.4 | 5.5 | 5.8 | 13.9 | 15.2 | 18 | 20 | 80 | 80 | 80 | 80 | 0.5 | 0.3 | 1.8 | 2.0 | | |
| Middle | 3.5 | 0.5 | 196 | 28.5 | | | | | | 28.5 | 8.0 | 8.0 | 26.2 | 26.3 | 81.3 | 81.4 | 5.5 | 5.8 | 14.0 | 15.2 | 20 | 20 | 82 | 80 | 82 | 80 | 82 | 80 | <0.2 | <0.2 | 1.9 | 2.0 | | | | | |
| | 5.9 | 0.5 | 179 | 28.4 | | | | | | 28.4 | 7.9 | 7.9 | 26.8 | 26.9 | 78.0 | 78.0 | 5.2 | 5.2 | 19.1 | 15.2 | 23 | 20 | 85 | 80 | 85 | 80 | 85 | 80 | <0.2 | <0.2 | 1.7 | 2.0 | | | | | |
| | 5.9 | 0.5 | 181 | 28.4 | | | | | | 28.4 | 7.9 | 7.9 | 27.0 | 26.9 | 77.8 | 77.9 | 5.2 | 5.2 | 18.8 | 15.2 | 25 | 20 | 87 | 80 | 87 | 80 | 87 | 80 | <0.2 | <0.2 | 1.7 | 2.0 | | | | | |
| IM2 | Fine | Rough | 17:43 | 7.4 | | | | | | Surface | 1.0 | 1.1 | 221 | 28.9 | 28.9 | 7.9 | 7.9 | 21.8 | 21.8 | 96.5 | 96.5 | 6.6 | 6.6 | 10.2 | 15.2 | 28 | 34 | 73 | 78 | 818842 | 806174 | <0.2 | <0.2 | 2.7 | 3.1 | | |
| | | | | | | | | | | | 1.0 | 1.2 | 236 | 28.9 | 28.9 | 7.9 | 7.9 | 21.8 | 21.8 | 96.5 | 96.5 | 6.6 | 6.6 | 10.5 | 15.2 | 28 | 34 | 71 | 78 | 71 | 78 | <0.2 | <0.2 | 2.4 | 3.1 | | |
| | | | | | | | | | | | 3.7 | 0.9 | 215 | 28.9 | 28.9 | 7.9 | 7.9 | 21.9 | 21.9 | 96.4 | 96.4 | 6.6 | 6.6 | 13.9 | 15.2 | 37 | 34 | 78 | 78 | 78 | 78 | 0.6 | 0.3 | 3.8 | 3.1 | | |
| | | | | | Middle | 3.7 | 1.0 | 221 | 28.9 | 28.9 | 7.9 | 7.9 | 21.9 | 21.9 | 96.4 | 96.4 | 6.6 | 6.6 | 12.4 | 15.2 | 37 | 34 | 77 | 78 | 77 | 78 | 77 | 78 | <0.2 | <0.2 | 3.8 | 3.1 | | | | | |
| | | | | | | 6.4 | 0.6 | 190 | 28.9 | 28.9 | 7.9 | 7.9 | 21.9 | 21.9 | 96.4 | 96.5 | 6.6 | 6.6 | 22.3 | 15.2 | 37 | 34 | 85 | 78 | 85 | 78 | 85 | 78 | <0.2 | <0.2 | 2.8 | 3.1 | | | | | |
| | | | | | | 6.4 | 0.6 | 198 | 28.9 | 28.9 | 7.9 | 7.9 | 21.9 | 21.9 | 96.6 | 96.6 | 6.6 | 6.6 | 22.0 | 15.2 | 39 | 34 | 83 | 78 | 83 | 78 | 83 | 78 | <0.2 | <0.2 | 3.0 | 3.1 | | | | | |
| | | | | | IM3 | Fine | Rough | 17:42 | 7.6 | Surface | 1.0 | 0.9 | 219 | 28.9 | 28.9 | 7.9 | 7.9 | 21.7 | 21.7 | 96.6 | 96.6 | 6.6 | 6.6 | 10.5 | 17.4 | 22 | 25 | 68 | 77 | 819426 | 806012 | <0.2 | <0.2 | 2.1 | 2.3 | | |
| | | | | | | | | | | | 1.0 | 1.0 | 236 | 28.9 | 28.9 | 7.9 | 7.9 | 21.7 | 21.7 | 96.6 | 96.6 | 6.6 | 6.6 | 11.6 | 17.4 | 21 | 25 | 70 | 77 | 70 | 77 | <0.2 | <0.2 | 2.2 | 2.3 | | |
| | | | | | | | | | | | 3.8 | 0.8 | 231 | 28.9 | 28.9 | 7.9 | 7.9 | 21.8 | 21.8 | 96.6 | 96.7 | 6.6 | 6.6 | 16.4 | 17.4 | 23 | 25 | 76 | 77 | 76 | 77 | <0.2 | <0.2 | 2.7 | 2.3 | | |
| Middle | 3.8 | 0.8 | 253 | 28.9 | | | | | | 28.9 | 7.9 | 7.9 | 21.8 | 21.8 | 96.7 | 96.7 | 6.6 | 6.6 | 16.1 | 17.4 | 24 | 25 | 77 | 77 | 77 | 77 | <0.2 | <0.2 | 2.6 | 2.3 | | | | | | | |
| | 6.6 | 0.5 | 215 | 28.9 | | | | | | 28.9 | 7.9 | 7.9 | 21.9 | 21.9 | 97.6 | 98.2 | 6.7 | 6.7 | 26.0 | 17.4 | 30 | 25 | 85 | 77 | 85 | 77 | <0.2 | <0.2 | 2.1 | 2.3 | | | | | | | |
| | 6.6 | 0.6 | 220 | 28.9 | | | | | | 28.9 | 7.9 | 7.9 | 21.9 | 21.9 | 98.7 | 98.2 | 6.7 | 6.7 | 23.9 | 17.4 | 28 | 25 | 86 | 77 | 86 | 77 | <0.2 | <0.2 | 2.1 | 2.3 | | | | | | | |
| IM4 | Fine | Rough | 17:27 | 7.8 | | | | | | Surface | 1.0 | 1.1 | 209 | 28.7 | 28.7 | 7.9 | 7.9 | 24.2 | 24.2 | 82.6 | 82.6 | 5.6 | 5.4 | 6.7 | 14.2 | 12 | 13 | 72 | 77 | 819582 | 805048 | <0.2 | <0.2 | 1.5 | 1.7 | | |
| | | | | | | | | | | | 1.0 | 1.1 | 214 | 28.7 | 28.7 | 7.9 | 7.9 | 24.2 | 24.2 | 82.5 | 82.6 | 5.6 | 5.4 | 6.6 | 14.2 | 11 | 13 | 70 | 77 | 70 | 77 | <0.2 | <0.2 | 1.9 | 1.7 | | |
| | | | | | | | | | | | 3.9 | 0.9 | 215 | 28.4 | 28.4 | 7.9 | 7.9 | 25.2 | 25.2 | 77.3 | 77.3 | 5.2 | 5.4 | 10.4 | 14.2 | 11 | 13 | 78 | 77 | 78 | 77 | <0.2 | <0.2 | 1.4 | 1.7 | | |
| | | | | | Middle | 3.9 | 0.9 | 215 | 28.4 | 28.4 | 7.9 | 7.9 | 25.2 | 25.2 | 77.2 | 77.2 | 5.2 | 5.4 | 10.6 | 14.2 | 12 | 13 | 76 | 77 | 76 | 77 | <0.2 | <0.2 | 2.0 | 1.7 | | | | | | | |
| | | | | | | 6.8 | 0.5 | 214 | 28.1 | 28.1 | 7.9 | 7.9 | 27.1 | 27.1 | 71.9 | 72.0 | 4.8 | 4.8 | 25.9 | 14.2 | 16 | 13 | 83 | 77 | 83 | 77 | <0.2 | <0.2 | 1.7 | 1.7 | | | | | | | |
| | | | | | | 6.8 | 0.5 | 218 | 28.1 | 28.1 | 7.9 | 7.9 | 27.0 | 27.1 | 72.1 | 72.0 | 4.8 | 4.8 | 25.1 | 14.2 | 15 | 13 | 84 | 77 | 84 | 77 | <0.2 | <0.2 | 1.5 | 1.7 | | | | | | | |
| | | | | | IM5 | Fine | Rough | 17:21 | 6.9 | Surface | 1.0 | 1.0 | 198 | 28.7 | 28.7 | 7.9 | 7.9 | 23.4 | 23.6 | 81.3 | 80.9 | 5.5 | 5.2 | 11.9 | 18.2 | 20 | 20 | 75 | 79 | 820570 | 804937 | <0.2 | <0.2 | 2.2 | 1.7 | | |
| | | | | | | | | | | | 1.0 | 1.1 | 217 | 28.7 | 28.7 | 7.9 | 7.9 | 23.7 | 23.6 | 80.4 | 80.9 | 5.4 | 5.2 | 11.8 | 18.2 | 19 | 20 | 72 | 79 | 72 | 79 | <0.2 | <0.2 | 1.7 | 1.7 | | |
| | | | | | | | | | | | 3.5 | 0.8 | 213 | 28.1 | 28.1 | 7.9 | 7.9 | 27.6 | 27.6 | 72.1 | 72.9 | 4.8 | 5.2 | 16.2 | 18.2 | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 15 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|------|------------------------|------|-------------------------------|------------------------------|-----------------|------|---------------|------|-------|-----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Fine | Rough | 11:10 | 8.3 | Surface | 1.0 | 0.5 | 213 | 28.8 | 28.8 | 8.1 | 8.1 | 22.7 | 22.7 | 104.4 | 104.2 | 7.1 | 6.2 | 2.1 | 6.2 | 5 | 16 | 73 | 82 | 815634 | 804255 | <0.2 | <0.2 | 1.8 | 1.3 | | | | |
| | | | | | | 1.0 | 0.5 | 220 | 28.8 | 8.1 | 8.1 | 22.7 | 22.7 | 104.0 | 104.2 | 7.1 | 6.2 | 2.2 | 6.2 | 5 | 16 | 71 | 82 | <0.2 | | | <0.2 | 1.6 | 1.3 | | | | | |
| | | | | | Middle | 4.2 | 0.3 | 197 | 28.3 | 28.3 | 8.0 | 8.0 | 26.9 | 26.9 | 78.5 | 78.3 | 5.3 | 6.2 | 7.7 | 11.5 | 8 | 16 | 80 | 82 | | | <0.2 | <0.2 | 1.4 | 1.3 | | | | |
| | | | | | | 4.2 | 0.3 | 202 | 28.3 | 28.3 | 8.0 | 8.0 | 26.8 | 26.9 | 78.1 | 78.3 | 5.2 | 6.2 | 7.9 | 11.5 | 6 | 16 | 83 | 82 | | | <0.2 | <0.2 | 1.2 | 1.3 | | | | |
| | | | | | Bottom | 7.3 | 0.3 | 235 | 27.7 | 27.7 | 7.9 | 7.9 | 31.6 | 31.6 | 65.8 | 66.0 | 4.3 | 4.4 | 24.4 | 4.4 | 4.4 | 24.4 | 37 | 16 | | | 92 | 82 | <0.2 | <0.2 | 0.8 | 1.3 | | |
| | | | | | | 7.3 | 0.3 | 240 | 27.7 | 27.7 | 7.9 | 7.9 | 31.6 | 31.6 | 66.2 | 66.0 | 4.4 | 4.4 | 24.4 | 4.4 | 4.4 | 24.4 | 35 | 16 | | | 95 | 82 | <0.2 | <0.2 | 0.8 | 1.3 | | |
| C2 | Cloudy | Rough | 13:29 | 10.8 | Surface | 1.0 | 0.4 | 279 | 27.4 | 27.4 | 8.0 | 8.0 | 18.5 | 18.5 | 91.0 | 91.0 | 6.5 | 6.4 | 2.8 | 6.4 | 4 | 4 | 83 | 89 | 825668 | 806963 | <0.2 | <0.2 | 3.1 | 2.6 | | | | |
| | | | | | | 1.0 | 0.4 | 280 | 27.4 | 27.4 | 8.0 | 8.0 | 18.5 | 18.5 | 91.0 | 91.0 | 6.5 | 6.4 | 2.8 | 6.4 | 4 | 4 | 85 | 89 | | | <0.2 | <0.2 | 3.0 | 2.6 | | | | |
| | | | | | Middle | 5.4 | 0.5 | 269 | 26.6 | 26.6 | 8.0 | 8.0 | 23.5 | 23.5 | 89.3 | 89.4 | 6.3 | 6.2 | 2.3 | 2.4 | 4 | 4 | 91 | 89 | | | <0.2 | <0.2 | 2.5 | 2.6 | | | | |
| | | | | | | 5.4 | 0.6 | 285 | 26.6 | 26.6 | 8.0 | 8.0 | 23.5 | 23.5 | 89.4 | 89.4 | 6.3 | 6.2 | 2.3 | 2.4 | 4 | 4 | 89 | 89 | | | <0.2 | <0.2 | 2.2 | 2.6 | | | | |
| | | | | | Bottom | 9.8 | 0.3 | 229 | 26.4 | 26.4 | 8.0 | 8.0 | 23.9 | 23.9 | 87.7 | 87.7 | 6.2 | 6.2 | 2.2 | 6.2 | 2.2 | 6.2 | 5 | 4 | | | 93 | 89 | <0.2 | <0.2 | 2.2 | 2.6 | | |
| | | | | | | 9.8 | 0.3 | 238 | 26.4 | 26.4 | 8.0 | 8.0 | 23.9 | 23.9 | 87.7 | 87.7 | 6.2 | 6.2 | 2.2 | 6.2 | 2.2 | 6.2 | 4 | 4 | | | 92 | 89 | <0.2 | <0.2 | 2.2 | 2.6 | | |
| C3 | Fine | Moderate | 12:12 | 12.3 | Surface | 1.0 | 1.4 | 176 | 26.0 | 26.0 | 8.1 | 8.1 | 27.4 | 27.4 | 88.3 | 88.3 | 6.1 | 6.0 | 3.7 | 6.0 | 6 | 5 | 84 | 89 | 822108 | 817821 | <0.2 | <0.2 | 1.6 | 1.4 | | | | |
| | | | | | | 1.0 | 1.5 | 180 | 26.0 | 26.0 | 8.1 | 8.1 | 27.4 | 27.4 | 88.3 | 88.3 | 6.1 | 6.0 | 3.7 | 6.0 | 4 | 5 | 83 | 89 | | | <0.2 | <0.2 | 1.6 | 1.4 | | | | |
| | | | | | Middle | 6.2 | 1.2 | 173 | 25.8 | 25.8 | 8.0 | 8.0 | 27.8 | 27.8 | 85.3 | 85.3 | 5.9 | 5.9 | 3.1 | 3.2 | 5 | 5 | 89 | 89 | | | <0.2 | <0.2 | 1.4 | 1.4 | | | | |
| | | | | | | 6.2 | 1.3 | 188 | 25.8 | 25.8 | 8.0 | 8.0 | 27.8 | 27.8 | 85.2 | 85.3 | 5.9 | 5.9 | 3.0 | 3.2 | 5 | 5 | 90 | 89 | | | <0.2 | <0.2 | 1.3 | 1.4 | | | | |
| | | | | | Bottom | 11.3 | 0.7 | 187 | 25.5 | 25.5 | 8.0 | 8.0 | 29.1 | 29.1 | 84.6 | 84.6 | 5.9 | 5.9 | 2.9 | 5.9 | 2.9 | 5.9 | 5 | 5 | | | 93 | 89 | <0.2 | <0.2 | 1.2 | 1.4 | | |
| | | | | | | 11.3 | 0.7 | 203 | 25.5 | 25.5 | 8.0 | 8.0 | 29.1 | 29.1 | 84.6 | 84.6 | 5.9 | 5.9 | 2.9 | 5.9 | 2.9 | 5.9 | 5 | 5 | | | 92 | 89 | <0.2 | <0.2 | 1.2 | 1.4 | | |
| IM1 | Fine | Rough | 11:39 | 6.8 | Surface | 1.0 | 0.8 | 201 | 28.8 | 28.8 | 8.0 | 8.0 | 23.7 | 23.7 | 89.4 | 89.1 | 6.0 | 5.5 | 6.5 | 5.5 | 4 | 16 | 76 | 82 | 818361 | 806473 | <0.2 | <0.2 | 2.0 | 1.5 | | | | |
| | | | | | | 1.0 | 0.8 | 213 | 28.8 | 28.8 | 8.0 | 8.0 | 23.7 | 23.7 | 88.8 | 89.1 | 6.0 | 5.5 | 6.6 | 5.5 | 4 | 16 | 78 | 82 | | | <0.2 | <0.2 | 2.1 | 1.5 | | | | |
| | | | | | Middle | 3.4 | 0.4 | 219 | 28.2 | 28.2 | 7.9 | 8.0 | 28.7 | 28.7 | 75.6 | 75.7 | 5.0 | 5.0 | 10.8 | 14.1 | 11 | 16 | 81 | 82 | | | <0.2 | <0.2 | 1.6 | 1.5 | | | | |
| | | | | | | 3.4 | 0.5 | 232 | 28.2 | 28.2 | 8.0 | 8.0 | 28.7 | 28.7 | 75.8 | 75.7 | 5.0 | 5.0 | 10.8 | 14.1 | 12 | 16 | 82 | 82 | | | <0.2 | <0.2 | 1.6 | 1.5 | | | | |
| | | | | | Bottom | 5.8 | 0.3 | 241 | 27.9 | 27.9 | 7.9 | 7.9 | 30.3 | 30.3 | 66.3 | 66.4 | 4.4 | 4.4 | 25.1 | 4.4 | 4.4 | 25.1 | 32 | 16 | | | 85 | 82 | <0.2 | <0.2 | 0.8 | 1.5 | | |
| | | | | | | 5.8 | 0.4 | 246 | 27.9 | 27.9 | 7.9 | 7.9 | 30.2 | 30.3 | 66.5 | 66.4 | 4.4 | 4.4 | 25.0 | 4.4 | 4.4 | 25.0 | 32 | 16 | | | 88 | 82 | <0.2 | <0.2 | 0.8 | 1.5 | | |
| IM2 | Fine | Rough | 11:48 | 7.3 | Surface | 1.0 | 0.9 | 217 | 28.9 | 28.9 | 8.0 | 8.0 | 23.7 | 23.7 | 94.5 | 94.4 | 6.4 | 5.9 | 3.3 | 5.9 | 4 | 10 | 75 | 80 | 818865 | 806211 | <0.2 | <0.2 | 2.0 | 1.6 | | | | |
| | | | | | | 1.0 | 1.0 | 224 | 28.9 | 28.9 | 8.0 | 8.0 | 23.7 | 23.7 | 94.3 | 94.4 | 6.4 | 5.9 | 3.4 | 5.9 | 5 | 10 | 73 | 80 | | | <0.2 | <0.2 | 1.8 | 1.6 | | | | |
| | | | | | Middle | 3.7 | 0.9 | 218 | 28.7 | 28.7 | 8.0 | 8.0 | 23.9 | 23.9 | 81.9 | 80.2 | 5.5 | 4.8 | 8.7 | 10.9 | 6 | 10 | 78 | 80 | | | <0.2 | <0.2 | 2.0 | 1.6 | | | | |
| | | | | | | 3.7 | 1.0 | 239 | 28.7 | 28.7 | 8.0 | 8.0 | 23.9 | 23.9 | 78.5 | 80.2 | 5.3 | 4.8 | 9.9 | 10.9 | 5 | 10 | 81 | 80 | | | <0.2 | <0.2 | 1.9 | 1.6 | | | | |
| | | | | | Bottom | 6.3 | 0.8 | 222 | 28.0 | 28.0 | 7.9 | 7.9 | 29.4 | 29.4 | 71.9 | 72.0 | 4.8 | 4.8 | 19.9 | 4.8 | 4.8 | 19.9 | 20 | 10 | | | 88 | 80 | <0.2 | <0.2 | 1.1 | 1.6 | | |
| | | | | | | 6.3 | 0.8 | 227 | 28.0 | 28.0 | 7.9 | 7.9 | 29.4 | 29.4 | 72.1 | 72.0 | 4.8 | 4.8 | 20.0 | 4.8 | 4.8 | 20.0 | 19 | 10 | | | 87 | 80 | <0.2 | <0.2 | 1.0 | 1.6 | | |
| IM3 | Fine | Rough | 11:57 | 7.6 | Surface | 1.0 | 1.0 | 228 | 28.6 | 28.6 | 8.0 | 8.0 | 24.8 | 24.8 | 86.4 | 86.4 | 5.8 | 5.5 | 3.3 | 5.5 | 7 | 9 | 71 | 79 | 819402 | 806014 | <0.2 | <0.2 | 1.8 | 1.6 | | | | |
| | | | | | | 1.0 | 1.0 | 250 | 28.6 | 28.6 | 8.0 | 8.0 | 24.8 | 24.8 | 86.3 | 86.4 | 5.8 | 5.5 | 3.5 | 5.5 | 6 | 9 | 73 | 79 | | | <0.2 | <0.2 | 1.9 | 1.6 | | | | |
| | | | | | Middle | 3.8 | 0.9 | 227 | 28.4 | 28.4 | 7.9 | 7.9 | 25.8 | 25.8 | 77.2 | 77.2 | 5.2 | 4.7 | 5.1 | 7.9 | 8 | 9 | 78 | 79 | | | <0.2 | <0.2 | 1.8 | 1.6 | | | | |
| | | | | | | 3.8 | 1.0 | 235 | 28.4 | 28.4 | 7.9 | 7.9 | 25.8 | 25.8 | 77.1 | 77.2 | 5.2 | 4.7 | 5.1 | 7.9 | 8 | 9 | 79 | 79 | | | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| | | | | | Bottom | 6.6 | 0.8 | 231 | 27.9 | 28.0 | 7.9 | 8.0 | 29.9 | 29.8 | 69.4 | 69.1 | 4.6 | 4.7 | 15.7 | 4.7 | 4.7 | 15.7 | 13 | 9 | | | 85 | 79 | <0.2 | <0.2 | 1.0 | 1.6 | | |
| | | | | | | 6.6 | 0.8 | 232 | 28.1 | 28.0 | 8.0 | 8.0 | 29.7 | 29.8 | 68.7 | 69.1 | 4.7 | 4.7 | 14.8 | 4.7 | 4.7 | 14.8 | 12 | 9 | | | 87 | 79 | <0.2 | <0.2 | 1.2 | 1.6 | | |
| IM4 | Fine | Rough | 12:06 | 7.3 | Surface | 1.0 | 0.9 | 219 | 28.8 | 28.8 | 8.0 | 8.0 | 23.7 | 23.7 | 91.4 | 91.3 | 6.2 | 5.8 | 4.7 | 5.8 | 6 | 7 | 72 | 81 | 819587 | 805042 | <0.2 | <0.2 | 2.0 | 2.0 | | | | |
| | | | | | | 1.0 | 1.0 | 232 | 28.8 | 28.8 | 8.0 | 8.0 | 23.7 | 23.7 | 91.2 | 91.3 | 6.2 | 5.8 | 4.7 | 5.8 | 5 | 7 | 75 | 81 | | | <0.2 | <0.2 | 2.1 | 2.0 | | | | |
| | | | | | Middle | 3.7 | 1.0 | 233 | 28.6 | 28.6 | 8.0 | 8.0 | 24.7 | 24.7 | 78.8 | 78.6 | 5.3 | 5.4 | 10.4 | 15.0 | 8 | 7 | 80 | 81 | | | <0.2 | <0.2 | 1.8 | 2.0 | | | | |
| | | | | | | 3.7 | 1.0 | 237 | 28.6 | 28.6 | 8.0 | 8.0 | 24.7 | 24.7 | 78.3 | 78.6 | 5.3 | 5.4 | 10.6 | 15.0 | 8 | 7 | 83 | 81 | | | <0.2 | <0.2 | 1.8 | 2.0 | | | | |
| | | | | | Bottom | 6.3 | 0.7 | 240 | 28.0 | 28.0 | 7.9 | 7.9 | 29.4 | 29.4 | 65.6 | 66.0 | 4.4 | 4.4 | 30.0 | 4.4 | 4.4 | 30.0 | 8 | 7 | | | 88 | 81 | <0.2 | <0.2 | 2.2 | 2.0 | | |
| | | | | | | 6.3 | 0.8 | 262 | 28.0 | 28.0 | 7.9 | 7.9 | 29.4 | 29.4 | 66.4 | 66.0 | 4.4 | 4.4 | 29.8 | 4.4 | 4.4 | 29.8 | 7 | 7 | | | 89 | 81 | <0.2 | <0.2 | 2.0 | 2.0 | | |
| IM5 | Fine | Rough | 12:16 | 6.6 | Surface | 1.0 | 0.8 | 219 | 29.0 | 29.0 | 7.9 | 7.9 | 20.3 | 20.5 | 85.2 | 85.0 | 5.9 | 5.4 | 6.1 | 5.4 | 10 | 15 | 78 | 85 | 820549 | 804913 | <0.2 | <0.2 | 2.5 | 1.7 | | | | |
| | | | | | | 1.0 | 0.8 | 233 | 28.9 | 28.9 | 7.9 | 7.9 | 20.7 | 20.5 | 84.8 | 85.0 | 5.8 | 5.4 | 6.2 | 5.4 | 11 | 15 | 80 | 85 | | | <0.2 | <0.2 | 2.4 | 1.7 | | | | |
| | | | | | Middle | 3.3 | 0.6 | 245 | 28.3 | 28.3 | 7.9 | 7.9 | 27.4 | 27.5 | 74.1 | 74.2 | 5.0 | 4.4 | 9.6 | 13.1 | 15 | 15 | 84 | 85 | | | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | | 3.3 | 0.6 | 247 | 28.3 | 28.3 | 7.9 | 7.9 | 27.5 | 27.5 | 74.3 | 74.2 | 5.0 | 4.4 | 9.6 | 13.1 | 13 | 15 | 87 | 85 | | | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | Bottom | 5.6 | 0.5 | 247 | 27.9 | 27.9 | 7.9 | 7.9 | 29.7 | 29.7 | 64.6 | 65.3 | 4.3 | 4.4 | 23.4 | 4.4 | 4.4 | 23.4 | 19 | 15 | | | 89 | 85 | <0.2 | <0.2 | 1.0 | 1.7 | | |
| | | | | | | 5.6 | 0.5 | 257 | 27.9 | 27.9 | 7.9 | 7.9 | 29.7 | | | | | | | | | | | | | | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 15 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|------|-----------------|-----|-------------------------|----|------------------------|--------|-------------------------------|------------------------------|-----------------|------|---------------|----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Rough | 12:30 | 6.7 | Surface | 1.0 | 1.1 | 180 | 27.0 | 8.1 | 8.1 | 24.1 | 24.1 | 90.6 | 90.6 | 6.3 | 6.0 | 7.3 | 11.8 | 2 | 3 | 83 | 88 | 822097 | 808815 | <0.2 | <0.2 | 1.7 | 1.4 | | | |
| | | | | | | 1.0 | 1.1 | 186 | 27.0 | 8.1 | 8.1 | 24.1 | 24.1 | 90.6 | 90.6 | 6.3 | 6.0 | 7.3 | 3 | 3 | 82 | 88 | 822097 | 808815 | <0.2 | <0.2 | 1.6 | 1.4 | | | | |
| | | | | | Middle | 3.4 | 0.6 | 195 | 26.7 | 8.0 | 8.0 | 24.9 | 24.9 | 80.7 | 80.7 | 5.6 | 5.3 | 8.0 | 11.8 | 3 | 3 | 90 | 88 | 822097 | 808815 | <0.2 | <0.2 | 1.3 | 1.4 | | | |
| | | | | | | 3.4 | 0.7 | 197 | 26.7 | 8.0 | 8.0 | 24.9 | 24.9 | 80.7 | 80.7 | 5.6 | 5.3 | 8.0 | 11.8 | 2 | 3 | 89 | 88 | 822097 | 808815 | <0.2 | <0.2 | 1.3 | 1.4 | | | |
| | | | | | Bottom | 5.7 | 0.6 | 203 | 26.3 | 8.0 | 8.0 | 28.8 | 28.8 | 77.6 | 77.6 | 5.3 | 5.3 | 20.0 | 11.8 | 3 | 3 | 93 | 88 | 822097 | 808815 | <0.2 | <0.2 | 1.4 | 1.4 | | | |
| | | | | | | 5.7 | 0.6 | 207 | 26.3 | 8.0 | 8.0 | 28.8 | 28.8 | 77.6 | 77.6 | 5.3 | 5.3 | 20.0 | 11.8 | 4 | 3 | 92 | 88 | 822097 | 808815 | <0.2 | <0.2 | 1.3 | 1.4 | | | |
| IM10 | Cloudy | Rough | 12:19 | 7.8 | Surface | 1.0 | 0.7 | 162 | 26.8 | 8.1 | 8.1 | 23.5 | 23.5 | 91.8 | 91.8 | 6.4 | 5.6 | 3.4 | 10.3 | 2 | 3 | 82 | 88 | 822259 | 809837 | <0.2 | <0.2 | 1.4 | 1.3 | | | |
| | | | | | | 1.0 | 0.7 | 175 | 26.8 | 8.1 | 8.1 | 23.5 | 23.5 | 91.8 | 91.8 | 6.4 | 5.6 | 3.4 | 10.3 | 3 | 4 | 82 | 88 | 822259 | 809837 | <0.2 | <0.2 | 1.7 | 1.3 | | | |
| | | | | | Middle | 3.9 | 0.5 | 165 | 26.3 | 8.0 | 8.0 | 27.4 | 27.3 | 69.2 | 69.2 | 4.8 | 4.5 | 10.8 | 10.3 | 4 | 4 | 89 | 88 | 822259 | 809837 | <0.2 | <0.2 | 1.4 | 1.3 | | | |
| | | | | | | 3.9 | 0.5 | 168 | 26.3 | 8.0 | 8.0 | 27.1 | 27.3 | 69.1 | 69.2 | 4.8 | 4.5 | 10.8 | 10.3 | 2 | 4 | 90 | 88 | 822259 | 809837 | <0.2 | <0.2 | 1.2 | 1.3 | | | |
| | | | | | Bottom | 6.8 | 0.3 | 190 | 26.2 | 8.0 | 8.0 | 28.6 | 28.6 | 65.4 | 65.4 | 4.5 | 4.5 | 16.8 | 10.3 | 7 | 4.5 | 92 | 88 | 822259 | 809837 | <0.2 | <0.2 | 1.1 | 1.1 | | | |
| | | | | | | 6.8 | 0.3 | 208 | 26.2 | 8.0 | 8.0 | 28.6 | 28.6 | 65.4 | 65.4 | 4.5 | 4.5 | 16.8 | 10.3 | 8 | 4.5 | 93 | 88 | 822259 | 809837 | <0.2 | <0.2 | 1.1 | 1.1 | | | |
| IM11 | Cloudy | Moderate | 12:07 | 7.6 | Surface | 1.0 | 0.4 | 156 | 27.0 | 8.1 | 8.1 | 24.0 | 24.0 | 88.0 | 87.9 | 6.1 | 5.9 | 4.4 | 9.2 | 3 | 5 | 85 | 88 | 821493 | 810548 | <0.2 | <0.2 | 1.6 | 1.4 | | | |
| | | | | | | 1.0 | 0.4 | 157 | 26.9 | 8.1 | 8.1 | 24.0 | 24.0 | 87.7 | 87.9 | 6.1 | 5.9 | 4.5 | 9.2 | 3 | 5 | 83 | 88 | 821493 | 810548 | <0.2 | <0.2 | 1.5 | 1.4 | | | |
| | | | | | Middle | 3.8 | 0.4 | 145 | 26.6 | 8.0 | 8.0 | 25.7 | 25.7 | 80.0 | 80.0 | 5.6 | 5.4 | 8.3 | 9.2 | 4 | 5 | 90 | 88 | 821493 | 810548 | <0.2 | <0.2 | 1.4 | 1.4 | | | |
| | | | | | | 3.8 | 0.4 | 154 | 26.6 | 8.0 | 8.0 | 25.7 | 25.7 | 80.0 | 80.0 | 5.6 | 5.4 | 8.3 | 9.2 | 6 | 5 | 90 | 88 | 821493 | 810548 | <0.2 | <0.2 | 1.4 | 1.4 | | | |
| | | | | | Bottom | 6.6 | 0.5 | 141 | 26.5 | 8.0 | 8.0 | 27.1 | 27.1 | 78.0 | 78.0 | 5.4 | 5.4 | 14.7 | 9.2 | 6 | 5.4 | 92 | 88 | 821493 | 810548 | <0.2 | <0.2 | 1.2 | 1.3 | | | |
| | | | | | | 6.6 | 0.5 | 146 | 26.5 | 8.0 | 8.0 | 27.1 | 27.1 | 78.0 | 78.0 | 5.4 | 5.4 | 14.7 | 9.2 | 5 | 5.4 | 90 | 88 | 821493 | 810548 | <0.2 | <0.2 | 1.3 | 1.3 | | | |
| IM12 | Fine | Moderate | 13:11 | 9.5 | Surface | 1.0 | 0.4 | 96 | 27.0 | 8.1 | 8.1 | 24.4 | 24.4 | 90.8 | 90.6 | 6.3 | 6.2 | 4.5 | 12.1 | 3 | 4 | 83 | 88 | 821156 | 811511 | <0.2 | <0.2 | 1.3 | 1.5 | | | |
| | | | | | | 1.0 | 0.4 | 100 | 27.0 | 8.1 | 8.1 | 24.4 | 24.4 | 90.3 | 90.6 | 6.3 | 6.2 | 4.6 | 12.1 | 5 | 4 | 83 | 88 | 821156 | 811511 | <0.2 | <0.2 | 1.7 | 1.4 | | | |
| | | | | | Middle | 4.8 | 0.4 | 117 | 26.8 | 8.1 | 8.1 | 25.3 | 25.3 | 86.1 | 86.1 | 6.0 | 5.2 | 6.6 | 12.1 | 4 | 4 | 89 | 88 | 821156 | 811511 | <0.2 | <0.2 | 1.7 | 1.6 | | | |
| | | | | | | 4.8 | 0.4 | 124 | 26.8 | 8.1 | 8.1 | 25.3 | 25.3 | 86.0 | 86.1 | 6.0 | 5.2 | 6.6 | 12.1 | 5 | 4 | 91 | 88 | 821156 | 811511 | <0.2 | <0.2 | 1.4 | 1.5 | | | |
| | | | | | Bottom | 8.5 | 0.4 | 130 | 26.5 | 8.0 | 8.0 | 27.6 | 27.6 | 75.2 | 75.2 | 5.2 | 5.2 | 25.0 | 12.1 | 4 | 5.2 | 92 | 88 | 821156 | 811511 | <0.2 | <0.2 | 1.6 | 1.5 | | | |
| | | | | | | 8.5 | 0.4 | 141 | 26.5 | 8.0 | 8.0 | 27.6 | 27.6 | 75.2 | 75.2 | 5.2 | 5.2 | 25.0 | 12.1 | 4 | 5.2 | 92 | 88 | 821156 | 811511 | <0.2 | <0.2 | 1.5 | 1.5 | | | |
| SR2 | Fine | Moderate | 12:42 | 4.8 | Surface | 1.0 | 0.3 | 130 | 26.6 | 8.1 | 8.1 | 24.9 | 24.9 | 87.5 | 87.4 | 6.1 | 6.1 | 5.0 | 6.0 | 4 | 4 | 86 | 88 | 821449 | 814166 | <0.2 | <0.2 | 1.8 | 1.6 | | | |
| | | | | | | 1.0 | 0.3 | 135 | 26.6 | 8.1 | 8.1 | 24.9 | 24.9 | 87.2 | 87.4 | 6.1 | 6.1 | 5.0 | 6.0 | 4 | 6.1 | 86 | 88 | 821449 | 814166 | <0.2 | <0.2 | 1.6 | 1.6 | | | |
| | | | | | Middle | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | 6.1 | 6.0 | - | 4 | - | 88 | 821449 | 814166 | <0.2 | <0.2 | - | - | | |
| | | | | | | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | 6.1 | 6.0 | - | 4 | - | 88 | 821449 | 814166 | <0.2 | <0.2 | - | - | | |
| | | | | | Bottom | 3.8 | 0.3 | 101 | 25.9 | 8.0 | 8.0 | 27.4 | 27.4 | 82.7 | 82.7 | 5.8 | 5.8 | 6.9 | 6.0 | 4 | 5.8 | 91 | 88 | 821449 | 814166 | <0.2 | <0.2 | 1.4 | 1.7 | | | |
| | | | | | | 3.8 | 0.3 | 106 | 25.9 | 8.0 | 8.0 | 27.4 | 27.4 | 82.7 | 82.7 | 5.8 | 5.8 | 6.9 | 6.0 | 5 | 5.8 | 89 | 88 | 821449 | 814166 | <0.2 | <0.2 | 1.4 | 1.7 | | | |
| SR3 | Cloudy | Rough | 12:47 | 8.1 | Surface | 1.0 | 1.1 | 188 | 26.8 | 8.1 | 8.1 | 24.4 | 24.4 | 86.7 | 86.6 | 6.1 | 5.5 | 5.4 | 16.1 | 6 | 10 | - | - | 822148 | 807552 | - | - | - | - | | | |
| | | | | | | 1.0 | 1.2 | 202 | 26.8 | 8.1 | 8.1 | 24.4 | 24.4 | 86.5 | 86.6 | 6.0 | 5.5 | 5.5 | 16.1 | 5 | 10 | - | - | 822148 | 807552 | - | - | - | - | | | |
| | | | | | Middle | 4.1 | 0.7 | 207 | 26.4 | 8.0 | 8.0 | 25.8 | 25.8 | 72.0 | 72.0 | 5.0 | 4.8 | 14.3 | 16.1 | 11 | 10 | - | - | 822148 | 807552 | - | - | - | - | | | |
| | | | | | | 4.1 | 0.7 | 221 | 26.4 | 8.0 | 8.0 | 25.8 | 25.8 | 72.0 | 72.0 | 5.0 | 4.8 | 14.3 | 16.1 | 13 | 10 | - | - | 822148 | 807552 | - | - | - | - | | | |
| | | | | | Bottom | 7.1 | 0.6 | 232 | 26.3 | 8.0 | 8.0 | 26.4 | 26.4 | 69.3 | 69.3 | 4.8 | 4.8 | 28.6 | 16.1 | 13 | 4.8 | 13 | - | - | 822148 | 807552 | - | - | - | - | | |
| | | | | | | 7.1 | 0.6 | 236 | 26.3 | 8.0 | 8.0 | 26.4 | 26.4 | 69.3 | 69.3 | 4.8 | 4.8 | 28.6 | 16.1 | 13 | 4.8 | 13 | - | - | 822148 | 807552 | - | - | - | - | | |
| SR4A | Fine | Calm | 10:47 | 8.6 | Surface | 1.0 | 0.7 | 255 | 28.8 | 8.0 | 8.0 | 24.9 | 24.9 | 84.9 | 84.3 | 5.7 | 5.2 | 7.5 | 15.0 | 12 | 15 | - | - | 817178 | 807800 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.8 | 256 | 28.8 | 8.0 | 8.0 | 24.8 | 24.9 | 83.6 | 84.3 | 5.6 | 5.2 | 7.7 | 15.0 | 10 | 15 | - | - | 817178 | 807800 | - | - | - | - | | | |
| | | | | | Middle | 4.3 | 0.7 | 253 | 27.9 | 7.9 | 7.9 | 30.4 | 30.4 | 72.8 | 73.1 | 4.8 | 4.8 | 13.4 | 15.0 | 15 | 15 | - | - | 817178 | 807800 | - | - | - | - | | | |
| | | | | | | 4.3 | 0.7 | 259 | 28.0 | 7.9 | 7.9 | 30.4 | 30.4 | 73.3 | 73.3 | 4.8 | 4.8 | 13.3 | 15.0 | 15 | 15 | - | - | 817178 | 807800 | - | - | - | - | | | |
| | | | | | Bottom | 7.6 | 0.6 | 249 | 27.7 | 7.9 | 7.9 | 31.0 | 31.0 | 62.0 | 62.6 | 4.1 | 4.2 | 24.2 | 15.0 | 20 | 4.2 | 18 | - | - | 817178 | 807800 | - | - | - | - | | |
| | | | | | | 7.6 | 0.6 | 254 | 27.7 | 7.9 | 7.9 | 31.0 | 31.0 | 63.2 | 62.6 | 4.2 | 4.2 | 24.1 | 15.0 | 18 | 4.2 | 18 | - | - | 817178 | 807800 | - | - | - | - | | |
| SR5A | Fine | Calm | 10:29 | 4.1 | Surface | 1.0 | 0.4 | 302 | 29.0 | 8.0 | 8.0 | 22.8 | 22.8 | 94.4 | 94.2 | 6.4 | 6.4 | 4.3 | 6.7 | 6 | 7 | - | - | 816574 | 810681 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.4 | 307 | 29.0 | 8.0 | 8.0 | 22.8 | 22.8 | 94.0 | 94.2 | 6.4 | 6.4 | 4.5 | 6.7 | 6 | 7 | - | - | 816574 | 810681 | - | - | - | - | | | |
| | | | | | Middle | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | 6.4 | 6.7 | - | 7 | - | - | 816574 | 810681 | - | - | - | - | | |
| | | | | | | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | 6.4 | 6.7 | - | 7 | - | - | 816574 | 810681 | - | - | - | - | | |
| | | | | | Bottom | 3.1 | 0.3 | 299 | 28.8 | 7.9 | 7.9 | 23.9 | 23.9 | 82.4 | 82.4 | 5.6 | 5.6 | 9.0 | 6.7 | 7 | 5.6 | 7 | - | - | 816574 | 810681 | - | - | - | - | | |
| | | | | | | 3.1 | 0.3 | 322 | 28.8 | 7.9 | 7.9 | 23.9 | 23.9 | 82.3 | 82.4 | 5.6 | 5.6 | 9.0 | 6.7 | 7 | 5.6 | 7 | - | - | 816574 | 810681 | - | - | - | - | | |
| SR6 | Fine | Moderate | 10:36 | 4.2 | Surface | 1.0 | 0.3 | 259 | 29.2 | 8.1 | 8.1 | 21.7 | 21.7 | 120.6 | 120.7 | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 17 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|-------------------------|------|----------------|-----|-------------------------|------|------------------------|--------|-------------------------------|------------------------------|-----------------|-----|---------------|-----|-------|----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | C1 | Sunny | Rough | 06:18 | 9.0 | Surface | 1.0 | 0.7 | 82 | 28.3 | 28.3 | 7.9 | 7.9 | 25.0 | 25.0 | 71.1 | | | 71.1 | 4.8 | 4.4 | 4.4 | 7 | 86 | 86 | 97 |
| | | | | | Surface | 1.0 | 0.7 | 87 | 28.3 | 28.3 | 7.9 | 7.9 | 25.0 | 25.0 | 71.1 | 71.1 | 4.8 | 4.4 | 4.7 | 6 | 86 | 86 | | | | | | | | | | | | |
| | | | | | Middle | 4.5 | 0.6 | 102 | 27.7 | 27.7 | 7.9 | 7.9 | 30.7 | 30.7 | 59.4 | 59.4 | 3.9 | 4.4 | 10.7 | 18 | 102 | 102 | 97 | | | <0.2 | <0.2 | 0.8 | 1.0 | | | | | |
| | | | | | Middle | 4.5 | 0.6 | 108 | 27.7 | 27.7 | 7.9 | 7.9 | 30.7 | 30.7 | 59.4 | 59.4 | 3.9 | 4.4 | 10.8 | 18 | 101 | 101 | | | | | | | | | | | | |
| | | | | | Bottom | 8.0 | 0.4 | 112 | 27.6 | 27.6 | 7.9 | 7.9 | 31.6 | 31.6 | 60.2 | 60.3 | 4.0 | 4.0 | 19.2 | 34 | 104 | 104 | | | | | | | | | | | | |
| | | | | | Bottom | 8.0 | 0.5 | 121 | 27.6 | 27.6 | 7.9 | 7.9 | 31.6 | 31.6 | 60.3 | 60.3 | 4.0 | 4.0 | 19.1 | 34 | 104 | 104 | | | | | | | | | | | | |
| C2 | Fine | Moderate | 07:55 | 12.0 | Surface | 1.0 | 0.3 | 116 | 27.0 | 27.0 | 7.7 | 7.8 | 24.8 | 24.9 | 74.9 | 74.9 | 5.2 | 5.2 | 5.3 | 6 | 82 | 82 | 88 | 825662 | 806926 | <0.2 | <0.2 | 2.0 | 1.9 | | | | | |
| | | | | | Surface | 1.0 | 0.3 | 118 | 27.0 | 27.0 | 7.8 | 7.8 | 24.9 | 24.9 | 74.9 | 74.9 | 5.2 | 5.2 | 5.3 | 5 | 82 | 82 | | | | | | | | | | | | |
| | | | | | Middle | 6.0 | 0.3 | 74 | 26.9 | 26.9 | 7.8 | 7.8 | 25.3 | 25.3 | 74.9 | 74.9 | 5.2 | 5.2 | 5.9 | 7 | 88 | 88 | 88 | | | <0.2 | <0.2 | 2.0 | 1.9 | | | | | |
| | | | | | Middle | 6.0 | 0.3 | 75 | 26.9 | 26.9 | 7.8 | 7.8 | 25.3 | 25.3 | 74.8 | 74.8 | 5.2 | 5.2 | 6.2 | 8 | 90 | 90 | | | | | | | | | | | | |
| | | | | | Bottom | 11.0 | 0.3 | 97 | 26.8 | 26.8 | 7.8 | 7.8 | 26.0 | 26.0 | 72.8 | 73.1 | 5.0 | 5.1 | 13.1 | 9 | 91 | 91 | | | | | | | | | | | | |
| | | | | | Bottom | 11.0 | 0.3 | 103 | 26.8 | 26.8 | 7.8 | 7.8 | 26.0 | 26.0 | 73.4 | 73.1 | 5.1 | 5.1 | 12.7 | 10 | 93 | 93 | | | | | | | | | | | | |
| C3 | Fine | Moderate | 06:03 | 12.3 | Surface | 1.0 | 0.3 | 282 | 25.8 | 25.8 | 7.8 | 7.8 | 29.9 | 29.9 | 79.8 | 79.8 | 5.5 | 5.5 | 7.6 | 4 | 82 | 82 | 88 | 822105 | 817798 | <0.2 | <0.2 | 1.0 | 1.1 | | | | | |
| | | | | | Surface | 1.0 | 0.3 | 295 | 25.8 | 25.8 | 7.8 | 7.8 | 29.9 | 29.9 | 79.8 | 79.8 | 5.5 | 5.5 | 7.6 | 4 | 83 | 83 | | | | | | | | | | | | |
| | | | | | Middle | 6.2 | 0.3 | 275 | 25.7 | 25.7 | 7.8 | 7.8 | 29.8 | 29.8 | 63.4 | 63.4 | 4.4 | 4.4 | 7.7 | 8 | 90 | 90 | 88 | | | <0.2 | <0.2 | 1.0 | 1.1 | | | | | |
| | | | | | Middle | 6.2 | 0.3 | 295 | 25.7 | 25.7 | 7.8 | 7.8 | 29.8 | 29.8 | 63.4 | 63.4 | 4.4 | 4.4 | 7.7 | 7 | 88 | 88 | | | | | | | | | | | | |
| | | | | | Bottom | 11.3 | 0.3 | 263 | 25.6 | 25.6 | 7.8 | 7.8 | 30.2 | 30.2 | 63.6 | 63.6 | 4.4 | 4.4 | 20.9 | 11 | 94 | 94 | | | | | | | | | | | | |
| | | | | | Bottom | 11.3 | 0.3 | 272 | 25.6 | 25.6 | 7.8 | 7.8 | 30.2 | 30.2 | 63.6 | 63.6 | 4.4 | 4.4 | 20.9 | 11 | 92 | 92 | | | | | | | | | | | | |
| IM1 | Sunny | Rough | 06:41 | 7.5 | Surface | 1.0 | 0.3 | 138 | 28.5 | 28.5 | 7.9 | 7.9 | 24.6 | 24.6 | 74.9 | 74.9 | 5.1 | 4.9 | 4.5 | 6 | 94 | 94 | 92 | 818331 | 806467 | <0.2 | <0.2 | 1.6 | 1.4 | | | | | |
| | | | | | Surface | 1.0 | 0.3 | 141 | 28.5 | 28.5 | 7.9 | 7.9 | 24.6 | 24.6 | 74.8 | 74.8 | 5.1 | 4.9 | 4.6 | 6 | 94 | 94 | | | | | | | | | | | | |
| | | | | | Middle | 3.8 | 0.2 | 226 | 28.2 | 28.2 | 7.9 | 7.9 | 27.7 | 27.7 | 69.8 | 69.8 | 4.7 | 4.4 | 10.2 | 21 | 91 | 91 | 92 | | | <0.2 | <0.2 | 1.4 | 1.4 | | | | | |
| | | | | | Middle | 3.8 | 0.3 | 236 | 28.2 | 28.2 | 7.9 | 7.9 | 27.7 | 27.7 | 69.8 | 69.8 | 4.7 | 4.4 | 10.2 | 20 | 91 | 91 | | | | | | | | | | | | |
| | | | | | Bottom | 6.5 | 0.3 | 83 | 28.1 | 28.1 | 7.9 | 7.9 | 29.1 | 29.1 | 66.5 | 66.8 | 4.4 | 4.4 | 21.6 | 23 | 90 | 90 | | | | | | | | | | | | |
| | | | | | Bottom | 6.5 | 0.3 | 90 | 28.1 | 28.1 | 7.9 | 7.9 | 29.1 | 29.1 | 67.0 | 66.8 | 4.4 | 4.4 | 22.4 | 23 | 90 | 90 | | | | | | | | | | | | |
| IM2 | Sunny | Rough | 06:48 | 8.1 | Surface | 1.0 | 0.5 | 55 | 28.5 | 28.5 | 7.9 | 7.9 | 24.5 | 24.5 | 75.2 | 75.2 | 5.1 | 5.0 | 2.7 | 6 | 80 | 80 | 87 | 818833 | 806196 | <0.2 | <0.2 | 1.8 | 1.4 | | | | | |
| | | | | | Surface | 1.0 | 0.5 | 57 | 28.5 | 28.5 | 7.9 | 7.9 | 24.5 | 24.5 | 75.2 | 75.2 | 5.1 | 5.0 | 2.6 | 8 | 80 | 80 | | | | | | | | | | | | |
| | | | | | Middle | 4.1 | 0.4 | 47 | 28.2 | 28.3 | 7.9 | 7.9 | 26.9 | 26.9 | 70.7 | 70.8 | 4.8 | 4.4 | 3.8 | 14 | 91 | 91 | 87 | | | <0.2 | <0.2 | 1.4 | 1.4 | | | | | |
| | | | | | Middle | 4.1 | 0.4 | 50 | 28.3 | 28.3 | 7.9 | 7.9 | 26.8 | 26.9 | 70.8 | 70.8 | 4.8 | 4.4 | 3.8 | 12 | 91 | 91 | | | | | | | | | | | | |
| | | | | | Bottom | 7.1 | 0.3 | 58 | 27.9 | 27.9 | 7.9 | 7.9 | 29.8 | 29.8 | 65.7 | 66.1 | 4.4 | 4.4 | 16.4 | 26 | 90 | 90 | | | | | | | | | | | | |
| | | | | | Bottom | 7.1 | 0.3 | 61 | 27.9 | 27.9 | 7.9 | 7.9 | 29.8 | 29.8 | 66.5 | 66.5 | 4.4 | 4.4 | 16.6 | 24 | 90 | 90 | | | | | | | | | | | | |
| IM3 | Sunny | Rough | 06:06 | 8.4 | Surface | 1.0 | 0.6 | 80 | 28.5 | 28.5 | 7.9 | 7.9 | 25.9 | 25.9 | 73.4 | 73.4 | 4.9 | 4.9 | 3.6 | 12 | 84 | 84 | 91 | 819412 | 806006 | <0.2 | <0.2 | 1.3 | 1.1 | | | | | |
| | | | | | Surface | 1.0 | 0.6 | 86 | 28.5 | 28.5 | 7.9 | 7.9 | 25.9 | 25.9 | 73.3 | 73.4 | 4.9 | 4.9 | 3.5 | 11 | 83 | 83 | | | | | | | | | | | | |
| | | | | | Middle | 4.2 | 0.5 | 114 | 28.0 | 28.0 | 7.9 | 7.9 | 28.3 | 28.3 | 70.2 | 70.2 | 4.8 | 4.3 | 5.8 | 22 | 96 | 96 | 91 | | | <0.2 | <0.2 | 1.0 | 1.1 | | | | | |
| | | | | | Middle | 4.2 | 0.5 | 118 | 28.0 | 28.0 | 7.9 | 7.9 | 28.3 | 28.3 | 70.2 | 70.2 | 4.8 | 4.3 | 5.9 | 23 | 95 | 95 | | | | | | | | | | | | |
| | | | | | Bottom | 7.4 | 0.5 | 139 | 27.9 | 27.9 | 7.9 | 7.9 | 29.8 | 29.8 | 65.3 | 65.3 | 4.3 | 4.3 | 18.6 | 21 | 92 | 92 | | | | | | | | | | | | |
| | | | | | Bottom | 7.4 | 0.5 | 148 | 27.9 | 27.9 | 7.9 | 7.9 | 29.8 | 29.8 | 65.3 | 65.3 | 4.3 | 4.3 | 18.6 | 24 | 93 | 93 | | | | | | | | | | | | |
| IM4 | Sunny | Rough | 07:09 | 8.6 | Surface | 1.0 | 0.2 | 120 | 28.6 | 28.6 | 7.9 | 7.9 | 27.2 | 27.2 | 76.4 | 76.4 | 5.1 | 4.9 | 3.2 | 8 | 86 | 86 | 94 | 819552 | 805048 | <0.2 | <0.2 | 1.9 | 1.3 | | | | | |
| | | | | | Surface | 1.0 | 0.2 | 123 | 28.6 | 28.6 | 7.9 | 7.9 | 27.2 | 27.2 | 76.4 | 76.4 | 5.1 | 4.9 | 3.2 | 9 | 86 | 86 | | | | | | | | | | | | |
| | | | | | Middle | 4.3 | 0.3 | 106 | 28.0 | 28.0 | 7.9 | 7.9 | 29.7 | 29.7 | 68.8 | 68.6 | 4.7 | 4.4 | 13.8 | 16 | 100 | 100 | 94 | | | <0.2 | <0.2 | 0.9 | 1.3 | | | | | |
| | | | | | Middle | 4.3 | 0.3 | 107 | 28.0 | 28.0 | 7.9 | 7.9 | 29.7 | 29.7 | 68.3 | 68.6 | 4.8 | 4.4 | 13.8 | 17 | 100 | 100 | | | | | | | | | | | | |
| | | | | | Bottom | 7.6 | 0.2 | 73 | 27.9 | 27.9 | 7.9 | 7.9 | 30.2 | 30.3 | 63.5 | 63.5 | 4.2 | 4.2 | 15.0 | 18 | 96 | 96 | | | | | | | | | | | | |
| | | | | | Bottom | 7.6 | 0.2 | 77 | 27.9 | 27.9 | 7.9 | 7.9 | 30.3 | 30.3 | 63.5 | 63.5 | 4.2 | 4.2 | 15.1 | 19 | 95 | 95 | | | | | | | | | | | | |
| IM5 | Sunny | Rough | 07:18 | 6.9 | Surface | 1.0 | 0.4 | 133 | 28.6 | 28.7 | 7.9 | 7.9 | 27.3 | 27.3 | 76.2 | 76.2 | 5.1 | 4.9 | 3.7 | 14 | 84 | 84 | 87 | 820550 | 804927 | <0.2 | <0.2 | 1.1 | 1.4 | | | | | |
| | | | | | Surface | 1.0 | 0.4 | 145 | 28.7 | 28.7 | 7.9 | 7.9 | 27.3 | 27.3 | 76.2 | 76.2 | 5.1 | 4.9 | 3.6 | 15 | 84 | 84 | | | | | | | | | | | | |
| | | | | | Middle | 3.5 | 0.4 | 106 | 28.0 | 28.0 | 7.9 | 7.9 | 29.4 | 29.4 | 68.3 | 68.3 | 4.6 | 4.3 | 13.8 | 17 | 89 | 89 | 87 | | | <0.2 | <0.2 | 1.2 | 1.4 | | | | | |
| | | | | | Middle | 3.5 | 0.4 | 110 | 28.0 | 28.0 | 7.9 | 7.9 | 29.4 | 29.4 | 68.2 | 68.3 | 4.6 | 4.3 | 13.8 | 18 | 89 | 89 | | | | | | | | | | | | |
| | | | | | Bottom</ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 17 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|----|------------------------|----|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|-------|----|---|---|---|---|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Fine | Moderate | 07:12 | 8.8 | Surface | 1.0 | 0.4 | 105 | 26.9 | 26.9 | 7.8 | 7.8 | 25.3 | 25.3 | 72.4 | 72.4 | 5.0 | 5.0 | 14.4 | 14.4 | 7 | 7 | 84 | 84 | 822100 | 808798 | <0.2 | <0.2 | 2.2 | 1.9 | | | | | | | | | |
| | | | | | | 1.0 | 0.4 | 113 | 26.9 | 26.9 | 7.8 | 7.8 | 25.3 | 25.3 | 72.4 | 72.4 | 5.0 | 5.0 | 14.7 | 14.7 | 7 | 7 | 83 | 83 | | | | | | | | | | | | | | | |
| | | | | | Middle | 4.4 | 0.5 | 109 | 26.7 | 26.7 | 7.8 | 7.8 | 27.5 | 27.5 | 71.0 | 70.9 | 4.9 | 4.9 | 26.1 | 26.1 | 8 | 8 | 89 | 89 | | | | | | | | | | | | | | | |
| | | | | | | 4.4 | 0.6 | 109 | 26.7 | 26.7 | 7.8 | 7.8 | 27.5 | 27.5 | 70.7 | 70.9 | 4.9 | 4.9 | 26.2 | 26.2 | 7 | 7 | 90 | 90 | | | | | | | | | | | | | | | |
| | | | | | Bottom | 7.8 | 0.4 | 98 | 26.7 | 26.7 | 7.8 | 7.8 | 28.1 | 28.1 | 70.1 | 70.3 | 4.8 | 4.8 | 26.2 | 26.2 | 30 | 30 | 91 | 91 | | | | | | | | | | | | | | | |
| | | | | | | 7.8 | 0.5 | 107 | 26.7 | 26.7 | 7.8 | 7.8 | 28.0 | 28.1 | 70.4 | 70.3 | 4.8 | 4.8 | 26.5 | 26.5 | 29 | 29 | 93 | 93 | | | | | | | | | | | | | | | |
| IM10 | Fine | Moderate | 07:03 | 7.3 | Surface | 1.0 | 0.4 | 110 | 26.8 | 26.8 | 7.8 | 7.8 | 25.7 | 25.7 | 72.4 | 72.4 | 5.0 | 5.0 | 12.5 | 12.5 | 8 | 8 | 82 | 82 | 822235 | 809846 | <0.2 | <0.2 | 1.7 | 1.8 | | | | | | | | | |
| | | | | | | 1.0 | 0.4 | 111 | 26.8 | 26.8 | 7.8 | 7.8 | 25.7 | 25.7 | 72.4 | 72.4 | 5.0 | 5.0 | 12.8 | 12.8 | 9 | 9 | 84 | 84 | | | | | | | | | | | | | | | |
| | | | | | Middle | 3.7 | 0.4 | 144 | 26.7 | 26.7 | 7.8 | 7.8 | 26.4 | 26.4 | 71.4 | 71.4 | 4.9 | 4.9 | 22.2 | 22.2 | 16 | 16 | 90 | 90 | | | | | | | | | | | | | | | |
| | | | | | | 3.7 | 0.4 | 150 | 26.7 | 26.7 | 7.8 | 7.8 | 26.4 | 26.4 | 71.3 | 71.4 | 4.9 | 4.9 | 24.0 | 24.0 | 15 | 15 | 90 | 90 | | | | | | | | | | | | | | | |
| | | | | | Bottom | 6.3 | 0.4 | 169 | 26.6 | 26.6 | 7.8 | 7.8 | 27.0 | 27.0 | 70.9 | 71.1 | 4.9 | 4.9 | 26.9 | 26.9 | 17 | 17 | 91 | 91 | | | | | | | | | | | | | | | |
| | | | | | | 6.3 | 0.4 | 174 | 26.6 | 26.6 | 7.8 | 7.8 | 27.0 | 27.0 | 71.2 | 71.1 | 4.9 | 4.9 | 26.2 | 26.2 | 18 | 18 | 92 | 92 | | | | | | | | | | | | | | | |
| IM11 | Fine | Moderate | 06:56 | 8.5 | Surface | 1.0 | 0.3 | 133 | 26.8 | 26.8 | 7.8 | 7.8 | 26.0 | 26.1 | 73.9 | 73.8 | 5.1 | 5.1 | 9.9 | 9.9 | 11 | 11 | 82 | 82 | 821490 | 810534 | <0.2 | <0.2 | 1.6 | 1.9 | | | | | | | | | |
| | | | | | | 1.0 | 0.4 | 145 | 26.8 | 26.8 | 7.8 | 7.8 | 26.1 | 26.1 | 73.6 | 73.8 | 5.1 | 5.1 | 10.5 | 10.5 | 10 | 10 | 83 | 83 | | | | | | | | | | | | | | | |
| | | | | | Middle | 4.3 | 0.3 | 154 | 26.7 | 26.7 | 7.8 | 7.8 | 26.4 | 26.4 | 71.5 | 71.5 | 4.9 | 4.9 | 16.5 | 16.5 | 13 | 13 | 90 | 90 | | | | | | | | | | | | | | | |
| | | | | | | 4.3 | 0.3 | 164 | 26.7 | 26.7 | 7.8 | 7.8 | 26.4 | 26.4 | 71.4 | 71.5 | 4.9 | 4.9 | 16.9 | 16.9 | 14 | 14 | 90 | 90 | | | | | | | | | | | | | | | |
| | | | | | Bottom | 7.5 | 0.3 | 198 | 26.6 | 26.6 | 7.8 | 7.8 | 27.0 | 27.0 | 71.9 | 72.4 | 5.0 | 5.0 | 23.0 | 23.0 | 18 | 18 | 92 | 92 | | | | | | | | | | | | | | | |
| | | | | | | 7.5 | 0.3 | 212 | 26.6 | 26.6 | 7.8 | 7.8 | 27.0 | 27.0 | 72.9 | 72.4 | 5.0 | 5.0 | 24.2 | 24.2 | 18 | 18 | 97 | 97 | | | | | | | | | | | | | | | |
| IM12 | Fine | Moderate | 06:47 | 7.8 | Surface | 1.0 | 0.3 | 188 | 26.4 | 26.4 | 7.8 | 7.8 | 27.3 | 27.3 | 69.9 | 69.9 | 4.8 | 4.8 | 18.2 | 18.2 | 18 | 18 | 81 | 81 | 821162 | 811517 | <0.2 | <0.2 | 1.4 | 1.4 | | | | | | | | | |
| | | | | | | 1.0 | 0.3 | 193 | 26.4 | 26.4 | 7.8 | 7.8 | 27.3 | 27.3 | 69.8 | 69.9 | 4.8 | 4.8 | 19.2 | 19.2 | 17 | 17 | 84 | 84 | | | | | | | | | | | | | | | |
| | | | | | Middle | 3.9 | 0.3 | 173 | 26.4 | 26.4 | 7.8 | 7.8 | 27.4 | 27.4 | 69.8 | 69.8 | 4.8 | 4.8 | 23.2 | 23.2 | 18 | 18 | 89 | 89 | | | | | | | | | | | | | | | |
| | | | | | | 3.9 | 0.3 | 188 | 26.4 | 26.4 | 7.8 | 7.8 | 27.4 | 27.4 | 69.8 | 69.8 | 4.8 | 4.8 | 23.6 | 23.6 | 20 | 20 | 90 | 90 | | | | | | | | | | | | | | | |
| | | | | | Bottom | 6.8 | 0.3 | 201 | 26.3 | 26.3 | 7.8 | 7.8 | 27.5 | 27.5 | 73.3 | 74.3 | 5.1 | 5.1 | 26.2 | 26.2 | 19 | 19 | 92 | 92 | | | | | | | | | | | | | | | |
| | | | | | | 6.8 | 0.3 | 208 | 26.3 | 26.3 | 7.8 | 7.8 | 27.5 | 27.5 | 75.2 | 74.3 | 5.2 | 5.2 | 25.4 | 25.4 | 18 | 18 | 92 | 92 | | | | | | | | | | | | | | | |
| SR2 | Fine | Moderate | 06:26 | 5.5 | Surface | 1.0 | 0.3 | 175 | 26.6 | 26.6 | 7.8 | 7.8 | 26.4 | 26.5 | 74.1 | 74.0 | 5.1 | 5.1 | 7.2 | 7.2 | 6 | 6 | 81 | 81 | 821472 | 814174 | <0.2 | <0.2 | 1.4 | 1.5 | | | | | | | | | |
| | | | | | | 1.0 | 0.3 | 187 | 26.6 | 26.6 | 7.8 | 7.8 | 26.5 | 26.5 | 73.9 | 74.0 | 5.1 | 5.1 | 7.4 | 7.4 | 7 | 7 | 81 | 81 | | | | | | | | | | | | | | | |
| | | | | | Middle | 2.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | - | - |
| | | | | | | 2.8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | - | - |
| | | | | | Bottom | 4.5 | 0.3 | 195 | 26.5 | 26.5 | 7.8 | 7.8 | 26.9 | 26.9 | 73.9 | 74.4 | 5.1 | 5.1 | 10.1 | 10.1 | 12 | 12 | 92 | 92 | | | | | | | | | | | | | | | |
| | | | | | | 4.5 | 0.3 | 202 | 26.5 | 26.5 | 7.8 | 7.8 | 26.9 | 26.9 | 74.8 | 74.4 | 5.2 | 5.2 | 9.8 | 9.8 | 10 | 10 | 90 | 90 | | | | | | | | | | | | | | | |
| SR3 | Fine | Moderate | 07:25 | 9.3 | Surface | 1.0 | 0.4 | 195 | 26.8 | 26.8 | 7.8 | 7.8 | 28.0 | 28.0 | 83.1 | 83.3 | 5.7 | 5.7 | 11.6 | 11.6 | 9 | 9 | - | - | 822166 | 807560 | - | - | - | - | | | | | | | | | |
| | | | | | | 1.0 | 0.4 | 202 | 26.8 | 26.8 | 7.8 | 7.8 | 28.0 | 28.0 | 83.5 | 83.3 | 5.7 | 5.7 | 11.8 | 11.8 | 10 | 10 | - | - | | | | | | | | | | | | | | | |
| | | | | | Middle | 4.7 | 0.3 | 133 | 26.7 | 26.7 | 7.8 | 7.8 | 28.4 | 28.4 | 68.0 | 68.0 | 4.7 | 4.7 | 14.8 | 14.8 | 22 | 22 | - | - | | | | | | | | | | | | | | | |
| | | | | | | 4.7 | 0.3 | 133 | 26.7 | 26.7 | 7.8 | 7.8 | 28.4 | 28.4 | 68.0 | 68.0 | 4.7 | 4.7 | 14.9 | 14.9 | 23 | 23 | - | - | | | | | | | | | | | | | | | |
| | | | | | Bottom | 8.3 | 0.3 | 101 | 26.7 | 26.7 | 7.8 | 7.8 | 28.6 | 28.6 | 69.2 | 69.6 | 4.7 | 4.7 | 26.4 | 26.4 | 25 | 25 | - | - | | | | | | | | | | | | | | | |
| | | | | | | 8.3 | 0.3 | 107 | 26.7 | 26.7 | 7.8 | 7.8 | 28.6 | 28.6 | 70.0 | 69.6 | 4.8 | 4.8 | 24.6 | 24.6 | 23 | 23 | - | - | | | | | | | | | | | | | | | |
| SR4A | Sunny | Rough | 05:55 | 9.6 | Surface | 1.0 | 0.4 | 97 | 28.3 | 28.3 | 7.9 | 7.9 | 26.6 | 26.6 | 75.0 | 75.0 | 5.0 | 5.0 | 11.7 | 11.7 | 14 | 14 | - | - | 817185 | 807823 | - | - | - | - | | | | | | | | | |
| | | | | | | 1.0 | 0.5 | 105 | 28.3 | 28.3 | 7.9 | 7.9 | 26.6 | 26.6 | 75.0 | 75.0 | 5.0 | 5.0 | 11.7 | 11.7 | 12 | 12 | - | - | | | | | | | | | | | | | | | |
| | | | | | Middle | 4.8 | 0.5 | 95 | 28.2 | 28.2 | 7.9 | 7.9 | 26.6 | 26.6 | 74.6 | 74.6 | 5.0 | 5.0 | 12.4 | 12.4 | 17 | 17 | - | - | | | | | | | | | | | | | | | |
| | | | | | | 4.8 | 0.5 | 103 | 28.2 | 28.2 | 7.9 | 7.9 | 26.6 | 26.6 | 74.6 | 74.6 | 5.0 | 5.0 | 12.5 | 12.5 | 19 | 19 | - | - | | | | | | | | | | | | | | | |
| | | | | | Bottom | 8.6 | 0.4 | 86 | 28.2 | 28.2 | 7.9 | 7.9 | 27.1 | 27.1 | 73.3 | 73.3 | 4.9 | 4.9 | 35.1 | 35.1 | 24 | 24 | - | - | | | | | | | | | | | | | | | |
| | | | | | | 8.6 | 0.4 | 87 | 28.2 | 28.2 | 7.9 | 7.9 | 27.1 | 27.1 | 73.3 | 73.3 | 4.9 | 4.9 | 34.6 | 34.6 | 25 | 25 | - | - | | | | | | | | | | | | | | | |
| SR5A | Fine | Moderate | 05:34 | 5.0 | Surface | 1.0 | 0.2 | 138 | 28.5 | 28.5 | 7.9 | 7.9 | 26.5 | 26.5 | 82.9 | 82.9 | 5.5 | 5.5 | 5.4 | 5.4 | 11 | 11 | - | - | 816599 | 810676 | - | - | - | - | | | | | | | | | |
| | | | | | | 1.0 | 0.2 | 149 | 28.5 | 28.5 | 7.9 | 7.9 | 26.5 | 26.5 | 82.9 | 82.9 | 5.5 | 5.5 | 5.1 | 5.1 | 12 | 12 | - | - | | | | | | | | | | | | | | | |
| | | | | | Middle | 2.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | - | |
| | | | | | | 2.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | - | |
| | | | | | Bottom | 4.0 | 0.2 | 119 | 28.5 | 28.5 | 7.9 | 7.9 | 26.5 | 26.5 | 82.8 | 82.9 | 5.5 | 5.5 | 6.1 | 6.1 | 12 | 12 | - | - | | | | | | | | | | | | | | | |
| | | | | | | 4.0 | 0.2 | 128 | 28.5 | 28.5 | 7.9 | 7.9 | 26.5 | 26.5 | 82.9 | 82.9 | 5.6 | 5.6 | 5.9 | 5.9 | 12 | 12 | - | - | | | | | | | | | | | | | | | |
| SR6 | Fine | Calm | 05:09 | 5.0 | Surface | 1.0 | 0.2 | 192 | 28.3 | 28.3 | 7.8 | 7.8 | 25.8 | 25.8 | 76.1 | 76.1 | 5.1 | 5.1 | 4.4 | 4.4 | 10 | 10 | - | - | 817881 | 814668 | - | - | - | - | | | | | | | | | |
| | | | | | | 1.0 | 0.2 | 195 | 28.3 | 28.3 | 7.8 | 7.8 | 25.8 | 25.8 | 76.1 | 76.1 | 5.1 | 5.1 | 4.3 | 4.3 | 10 | 10 | - | - | | | | | | | | | | | | | | | |
| | | | | | Middle | 2.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | | |
| | | | | | | 2.5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | | |
| | | | | | Bottom | 4.0 | 0.1 | 166 | 28.2 | 28.2 | 7.8 | 7.8 | 26.0 | 26.0 | 76.7 | 76.8 | 5.2 | 5.2 | 5.4 | 5.4 | 9 | 9 | - | - | | | | | | | | | | | | | | | |
| | | | | | | 4.0 | 0.1 | 176 | 28.2 | 28.2 | 7.8 | 7.8 | 26.0 | 26.0 | 76.9 | 76.8 | 5.2 | 5.2 | 5.8 | 5.8 | 9 | 9 | - | - | | | | | | | | | | | | | | | |
| SR7 | Fine | Calm | 05:31 | 17.1 | Surface | 1.0 | 0.3 | 282 | 25.7 | 25.7 | 7.8 | 7.8 | 30.7 | 30.7 | 80.0 | 80.0 | 5.5 | 5.5 | 11.5 | 11.5 | 9 | 9 | - | - | 823638 | 823723 | - | - | - | - | | | | | | | | | |
| | | | | | | 1.0 | 0.3 | 290 | 25.7 | 25.7 | 7.8 | 7.8 | 30.7 | 30.7 | 80.0 | 80.0 | 5.5 | 5.5 | 11.5 | 11.5 | 8 | 8 | - | - | | | | | | | | | | | | | | | |
| | | | | | Middle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 17 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|----------------|------|-------------------------|-----|------------------------|--------|-------------------------------|------------------------------|-----------------|--------|---------------|--------|-------|------|-----|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Sunny | Rough | 12:39 | 9.0 | Surface | 1.0 | 0.6 | 236 | 29.0 | 29.0 | 7.9 | 7.9 | 25.3 | 25.3 | 77.7 | 77.7 | 5.2 | 4.8 | 2.6 | 4.8 | 7 | 10 | 86 | 94 | 815619 | 804234 | <0.2 | <0.2 | 1.5 | 1.2 | | | | |
| | | | | | | 1.0 | 0.6 | 252 | 29.0 | 7.9 | 7.9 | 25.3 | 25.3 | 77.7 | 77.7 | 5.2 | 4.8 | 2.6 | 4.8 | 7 | 10 | 86 | 94 | 815619 | 804234 | <0.2 | <0.2 | 1.4 | 1.2 | | | | | |
| | | | | | Middle | 4.5 | 0.4 | 214 | 28.0 | 28.0 | 8.0 | 8.0 | 28.9 | 28.9 | 66.5 | 66.5 | 4.4 | 4.8 | 5.6 | 10.2 | 8 | 10 | 97 | 10 | 97 | 94 | 815619 | 804234 | <0.2 | <0.2 | 1.6 | 1.2 | | |
| | | | | | | 4.5 | 0.4 | 216 | 28.0 | 28.0 | 8.0 | 8.0 | 28.9 | 28.9 | 66.5 | 66.5 | 4.4 | 4.8 | 5.8 | 10.2 | 7 | 10 | 97 | 10 | 97 | 94 | 815619 | 804234 | <0.2 | <0.2 | 1.3 | 1.2 | | |
| | | | | | Bottom | 8.0 | 0.4 | 215 | 27.7 | 27.7 | 8.0 | 8.0 | 31.2 | 31.2 | 59.3 | 59.3 | 3.9 | 3.9 | 22.1 | 3.9 | 14 | 3.9 | 14 | 10 | 100 | 10 | 99 | 94 | 815619 | 804234 | <0.2 | <0.2 | 0.6 | 1.2 |
| | | | | | | 8.0 | 0.4 | 230 | 27.7 | 27.7 | 8.0 | 8.0 | 31.2 | 31.2 | 59.3 | 59.3 | 3.9 | 3.9 | 22.2 | 3.9 | 16 | 3.9 | 16 | 10 | 99 | 10 | 99 | 94 | 815619 | 804234 | <0.2 | <0.2 | 0.8 | 1.2 |
| C2 | Fine | Moderate | 11:27 | 12.9 | Surface | 1.0 | 0.3 | 143 | 27.0 | 27.0 | 7.8 | 7.8 | 24.4 | 24.4 | 73.3 | 73.3 | 5.1 | 5.0 | 6.5 | 5.0 | 6 | 16 | 80 | 88 | 825699 | 806953 | <0.2 | <0.2 | 2.2 | 2.0 | | | | |
| | | | | | | 1.0 | 0.3 | 156 | 27.0 | 27.0 | 7.8 | 7.8 | 24.4 | 24.4 | 73.2 | 73.3 | 5.1 | 5.0 | 6.6 | 5.0 | 5 | 16 | 82 | 16 | 89 | 88 | 825699 | 806953 | <0.2 | <0.2 | 2.5 | 2.0 | | |
| | | | | | Middle | 6.5 | 0.3 | 160 | 26.4 | 26.4 | 7.8 | 7.8 | 25.3 | 25.3 | 68.1 | 68.1 | 4.8 | 4.8 | 13.8 | 6.0 | 10 | 16 | 89 | 16 | 90 | 88 | 825699 | 806953 | <0.2 | <0.2 | 2.1 | 2.0 | | |
| | | | | | | 6.5 | 0.3 | 168 | 26.4 | 26.4 | 7.8 | 7.8 | 25.3 | 25.3 | 68.1 | 68.1 | 4.8 | 4.8 | 13.9 | 6.0 | 10 | 16 | 90 | 16 | 90 | 88 | 825699 | 806953 | <0.2 | <0.2 | 1.9 | 2.0 | | |
| | | | | | Bottom | 11.9 | 0.3 | 183 | 25.8 | 25.8 | 7.9 | 7.9 | 27.9 | 27.9 | 65.5 | 65.7 | 4.6 | 4.6 | 27.9 | 4.6 | 31 | 4.6 | 31 | 16 | 92 | 16 | 92 | 88 | 825699 | 806953 | <0.2 | <0.2 | 1.5 | 2.0 |
| | | | | | | 11.9 | 0.3 | 187 | 25.7 | 25.7 | 7.9 | 7.9 | 27.9 | 27.9 | 65.8 | 65.7 | 4.6 | 4.6 | 27.2 | 4.6 | 32 | 4.6 | 32 | 16 | 94 | 16 | 94 | 88 | 825699 | 806953 | <0.2 | <0.2 | 1.5 | 2.0 |
| C3 | Fine | Moderate | 12:28 | 12.9 | Surface | 1.0 | 0.6 | 93 | 26.9 | 26.9 | 7.8 | 7.8 | 27.0 | 27.0 | 73.7 | 73.6 | 5.1 | 4.8 | 7.4 | 4.8 | 6 | 11 | 85 | 90 | 822103 | 817783 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | | 1.0 | 0.6 | 100 | 26.8 | 26.9 | 7.8 | 7.8 | 27.0 | 27.0 | 73.4 | 73.6 | 5.0 | 4.8 | 7.6 | 4.8 | 8 | 11 | 86 | 11 | 86 | 90 | 822103 | 817783 | <0.2 | <0.2 | 1.9 | 1.5 | | |
| | | | | | Middle | 6.5 | 0.3 | 116 | 25.9 | 25.9 | 7.8 | 7.8 | 29.1 | 29.1 | 66.1 | 66.1 | 4.6 | 4.6 | 11.1 | 9.9 | 12 | 11 | 90 | 11 | 91 | 90 | 822103 | 817783 | <0.2 | <0.2 | 1.7 | 1.5 | | |
| | | | | | | 6.5 | 0.3 | 116 | 25.9 | 25.9 | 7.8 | 7.8 | 29.1 | 29.1 | 66.1 | 66.1 | 4.6 | 4.6 | 11.1 | 9.9 | 11 | 11 | 91 | 11 | 91 | 90 | 822103 | 817783 | <0.2 | <0.2 | 1.4 | 1.5 | | |
| | | | | | Bottom | 11.9 | 0.3 | 121 | 25.8 | 25.8 | 7.8 | 7.8 | 29.4 | 29.4 | 65.7 | 66.0 | 4.5 | 4.6 | 11.4 | 4.6 | 12 | 4.6 | 12 | 11 | 92 | 11 | 92 | 90 | 822103 | 817783 | <0.2 | <0.2 | 1.1 | 1.5 |
| | | | | | | 11.9 | 0.3 | 126 | 25.8 | 25.8 | 7.8 | 7.8 | 29.4 | 29.4 | 66.2 | 66.0 | 4.6 | 4.6 | 11.0 | 4.6 | 14 | 4.6 | 14 | 11 | 94 | 11 | 94 | 90 | 822103 | 817783 | <0.2 | <0.2 | 1.3 | 1.5 |
| IM1 | Sunny | Rough | 12:19 | 7.8 | Surface | 1.0 | 0.2 | 179 | 28.8 | 28.8 | 7.9 | 7.9 | 26.0 | 26.0 | 75.0 | 75.0 | 5.0 | 4.8 | 2.3 | 4.8 | 5 | 10 | 92 | 92 | 818331 | 806459 | <0.2 | <0.2 | 1.4 | 1.1 | | | | |
| | | | | | | 1.0 | 0.2 | 191 | 28.8 | 28.8 | 7.9 | 7.9 | 26.0 | 26.0 | 75.0 | 75.0 | 5.0 | 4.8 | 2.4 | 4.8 | 6 | 10 | 93 | 10 | 92 | 92 | 818331 | 806459 | <0.2 | <0.2 | 1.2 | 1.1 | | |
| | | | | | Middle | 3.9 | 0.3 | 164 | 28.0 | 28.0 | 7.9 | 7.9 | 28.7 | 28.7 | 67.2 | 67.7 | 4.6 | 4.6 | 4.6 | 6.8 | 9 | 10 | 92 | 10 | 91 | 92 | 818331 | 806459 | <0.2 | <0.2 | 1.0 | 1.1 | | |
| | | | | | | 3.9 | 0.3 | 172 | 28.0 | 28.0 | 7.9 | 7.9 | 28.7 | 28.7 | 68.1 | 67.7 | 4.6 | 4.6 | 4.6 | 6.8 | 10 | 10 | 91 | 10 | 91 | 92 | 818331 | 806459 | <0.2 | <0.2 | 1.1 | 1.1 | | |
| | | | | | Bottom | 6.8 | 0.3 | 176 | 27.8 | 27.8 | 7.9 | 7.9 | 30.1 | 30.1 | 61.5 | 61.5 | 4.1 | 4.1 | 13.5 | 4.1 | 16 | 4.1 | 16 | 10 | 92 | 10 | 92 | 92 | 818331 | 806459 | <0.2 | <0.2 | 0.8 | 1.1 |
| | | | | | | 6.8 | 0.4 | 190 | 27.8 | 27.8 | 7.9 | 7.9 | 30.1 | 30.1 | 61.5 | 61.5 | 4.1 | 4.1 | 13.5 | 4.1 | 16 | 4.1 | 16 | 10 | 92 | 10 | 92 | 92 | 818331 | 806459 | <0.2 | <0.2 | 0.8 | 1.1 |
| IM2 | Sunny | Rough | 12:12 | 8.7 | Surface | 1.0 | 0.4 | 217 | 28.7 | 28.7 | 7.9 | 7.9 | 26.8 | 26.8 | 74.6 | 74.6 | 5.0 | 4.8 | 2.6 | 4.8 | 5 | 11 | 81 | 86 | 818860 | 806178 | <0.2 | <0.2 | 2.3 | 1.4 | | | | |
| | | | | | | 1.0 | 0.4 | 224 | 28.7 | 28.7 | 7.9 | 7.9 | 26.8 | 26.8 | 74.6 | 74.6 | 5.0 | 4.8 | 2.7 | 4.8 | 6 | 11 | 82 | 11 | 86 | 86 | 818860 | 806178 | <0.2 | <0.2 | 2.3 | 1.4 | | |
| | | | | | Middle | 4.4 | 0.4 | 181 | 27.9 | 27.9 | 7.9 | 7.9 | 29.8 | 29.8 | 67.7 | 68.0 | 4.5 | 4.7 | 7.2 | 6.4 | 9 | 11 | 86 | 11 | 86 | 86 | 818860 | 806178 | <0.2 | <0.2 | 1.0 | 1.4 | | |
| | | | | | | 4.4 | 0.4 | 184 | 27.9 | 27.9 | 7.9 | 7.9 | 29.8 | 29.8 | 68.2 | 68.0 | 4.7 | 4.7 | 7.2 | 6.4 | 10 | 11 | 86 | 11 | 86 | 86 | 818860 | 806178 | <0.2 | <0.2 | 0.9 | 1.4 | | |
| | | | | | Bottom | 7.7 | 0.3 | 183 | 27.8 | 27.8 | 7.9 | 7.9 | 30.1 | 30.1 | 62.0 | 62.0 | 4.1 | 4.1 | 9.3 | 4.1 | 17 | 4.1 | 17 | 11 | 89 | 11 | 89 | 86 | 818860 | 806178 | <0.2 | <0.2 | 0.8 | 1.4 |
| | | | | | | 7.7 | 0.4 | 200 | 27.8 | 27.8 | 7.9 | 7.9 | 30.1 | 30.1 | 62.0 | 62.0 | 4.1 | 4.1 | 9.3 | 4.1 | 18 | 4.1 | 18 | 11 | 89 | 11 | 89 | 86 | 818860 | 806178 | <0.2 | <0.2 | 0.9 | 1.4 |
| IM3 | Sunny | Rough | 12:04 | 9.1 | Surface | 1.0 | 0.3 | 151 | 29.0 | 29.0 | 7.9 | 7.9 | 27.7 | 27.7 | 78.4 | 78.4 | 5.2 | 5.0 | 2.6 | 5.0 | 6 | 11 | 83 | 89 | 819399 | 806013 | <0.2 | <0.2 | 1.2 | 1.1 | | | | |
| | | | | | | 1.0 | 0.4 | 153 | 29.0 | 29.0 | 7.9 | 7.9 | 27.7 | 27.7 | 78.4 | 78.4 | 5.2 | 5.0 | 2.5 | 5.0 | 6 | 11 | 83 | 11 | 83 | 89 | 819399 | 806013 | <0.2 | <0.2 | 1.2 | 1.1 | | |
| | | | | | Middle | 4.6 | 0.3 | 161 | 28.1 | 28.1 | 8.0 | 8.0 | 29.7 | 29.7 | 70.2 | 70.3 | 4.9 | 4.8 | 5.1 | 5.6 | 9 | 11 | 91 | 11 | 91 | 89 | 819399 | 806013 | <0.2 | <0.2 | 0.8 | 1.1 | | |
| | | | | | | 4.6 | 0.4 | 169 | 28.1 | 28.1 | 8.0 | 8.0 | 29.7 | 29.7 | 70.3 | 70.3 | 4.8 | 4.8 | 5.1 | 5.6 | 10 | 11 | 91 | 11 | 91 | 89 | 819399 | 806013 | <0.2 | <0.2 | 1.4 | 1.1 | | |
| | | | | | Bottom | 8.1 | 0.2 | 157 | 27.9 | 27.9 | 8.0 | 8.0 | 30.2 | 30.2 | 64.6 | 64.7 | 4.3 | 4.3 | 9.1 | 4.3 | 18 | 4.3 | 18 | 11 | 93 | 11 | 93 | 89 | 819399 | 806013 | <0.2 | <0.2 | 1.3 | 1.1 |
| | | | | | | 8.1 | 0.2 | 162 | 27.9 | 27.9 | 8.0 | 8.0 | 30.2 | 30.2 | 64.7 | 64.7 | 4.3 | 4.3 | 9.2 | 4.3 | 16 | 4.3 | 16 | 11 | 93 | 11 | 93 | 89 | 819399 | 806013 | <0.2 | <0.2 | 0.8 | 1.1 |
| IM4 | Sunny | Rough | 11:56 | 8.4 | Surface | 1.0 | 0.4 | 153 | 28.9 | 28.9 | 7.9 | 7.9 | 27.6 | 27.6 | 79.2 | 79.2 | 5.2 | 4.8 | 3.3 | 4.8 | 6 | 11 | 86 | 94 | 819585 | 805036 | <0.2 | <0.2 | 1.3 | 1.0 | | | | |
| | | | | | | 1.0 | 0.4 | 156 | 28.9 | 28.9 | 7.9 | 7.9 | 27.6 | 27.6 | 79.2 | 79.2 | 5.2 | 4.8 | 3.4 | 4.8 | 6 | 11 | 87 | 11 | 87 | 94 | 819585 | 805036 | <0.2 | <0.2 | 1.4 | 1.0 | | |
| | | | | | Middle | 4.2 | 0.4 | 165 | 28.1 | 28.1 | 8.0 | 8.0 | 29.4 | 29.4 | 65.8 | 65.8 | 4.4 | 4.4 | 4.8 | 6.2 | 8 | 11 | 97 | 11 | 97 | 94 | 819585 | 805036 | <0.2 | <0.2 | 0.8 | 1.0 | | |
| | | | | | | 4.2 | 0.5 | 167 | 28.1 | 28.1 | 8.0 | 8.0 | 29.4 | 29.4 | 65.8 | 65.8 | 4.4 | 4.4 | 4.9 | 6.2 | 8 | 11 | 96 | 11 | 96 | 94 | 819585 | 805036 | <0.2 | <0.2 | 0.8 | 1.0 | | |
| | | | | | Bottom | 7.4 | 0.4 | 162 | 27.9 | 27.9 | 8.0 | 8.0 | 30.5 | 30.5 | 64.1 | 64.2 | 4.2 | 4.3 | 10.3 | 4.3 | 17 | 4.3 | 17 | 11 | 99 | 11 | 99 | 94 | 819585 | 805036 | <0.2 | <0.2 | 0.8 | 1.0 |
| | | | | | | 7.4 | 0.4 | 163 | 27.9 | 27.9 | 8.0 | 8.0 | 30.5 | 30.5 | 64.2 | 64.2 | 4.3 | 4.3 | 10.3 | 4.3 | 16 | 4.3 | 16 | 11 | 97 | 11 | 97 | 94 | 819585 | 805036 | <0.2 | <0.2 | 0.9 | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 17 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|------|-----------------|----|-------------------------|----|------------------------|--------|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Fine | Moderate | 11:49 | 7.0 | Surface | 1.0 | 0.6 | 122 | 27.2 | 7.8 | 7.8 | 25.0 | 25.0 | 72.8 | 72.8 | 5.0 | 5.1 | 6.3 | 7.5 | 5 | 7 | 84 | 88 | 822110 | 808824 | <0.2 | <0.2 | 2.1 | 1.8 | | | |
| | | | | | | 1.0 | 0.6 | 126 | 27.1 | 7.8 | 7.8 | 25.0 | 25.0 | 72.8 | 72.8 | 5.0 | 5.1 | 6.4 | 7.5 | 6 | 7 | 83 | 89 | 82 | 90 | <0.2 | <0.2 | 1.9 | 1.8 | | | |
| | | | | | Middle | 3.5 | 0.5 | 104 | 27.0 | 7.8 | 7.8 | 25.5 | 25.5 | 73.6 | 73.8 | 5.1 | 5.1 | 7.6 | 7.5 | 7 | 7 | 89 | 89 | 88 | 88 | 822110 | 808824 | <0.2 | <0.2 | 1.8 | 1.8 | |
| | | | | | | 3.5 | 0.6 | 111 | 27.0 | 7.8 | 7.8 | 25.5 | 25.5 | 73.9 | 73.8 | 5.1 | 5.1 | 7.8 | 7.5 | 7 | 7 | 89 | 89 | 88 | 88 | 822110 | 808824 | <0.2 | <0.2 | 1.7 | 1.8 | |
| | | | | | Bottom | 6.0 | 0.5 | 97 | 26.9 | 7.8 | 7.8 | 26.1 | 26.1 | 77.0 | 77.1 | 5.3 | 5.3 | 8.4 | 7.5 | 9 | 9 | 93 | 92 | 88 | 88 | 822110 | 808824 | <0.2 | <0.2 | 1.6 | 1.6 | |
| | | | | | | 6.0 | 0.5 | 103 | 26.9 | 7.8 | 7.8 | 26.1 | 26.1 | 77.1 | 77.1 | 5.3 | 5.3 | 8.4 | 7.5 | 9 | 9 | 92 | 92 | 88 | 88 | 822110 | 808824 | <0.2 | <0.2 | 1.6 | 1.6 | |
| IM10 | Fine | Moderate | 11:56 | 6.8 | Surface | 1.0 | 0.4 | 159 | 26.9 | 7.8 | 7.8 | 26.2 | 26.2 | 73.2 | 73.2 | 5.0 | 5.0 | 10.3 | 17.6 | 12 | 19 | 85 | 90 | 822247 | 809822 | <0.2 | <0.2 | 1.5 | 1.5 | | | |
| | | | | | | 1.0 | 0.4 | 160 | 27.0 | 7.8 | 7.8 | 26.1 | 26.1 | 73.2 | 73.2 | 5.0 | 5.0 | 9.8 | 17.6 | 13 | 19 | 84 | 92 | 89 | 90 | 822247 | 809822 | <0.2 | <0.2 | 1.7 | 1.5 | |
| | | | | | Middle | 3.4 | 0.4 | 155 | 27.0 | 7.8 | 7.8 | 26.1 | 26.1 | 73.0 | 73.0 | 5.0 | 5.0 | 10.3 | 17.6 | 13 | 19 | 92 | 90 | 90 | 90 | 822247 | 809822 | <0.2 | <0.2 | 1.7 | 1.5 | |
| | | | | | | 3.4 | 0.5 | 165 | 27.0 | 7.8 | 7.8 | 26.1 | 26.1 | 72.9 | 73.0 | 5.0 | 5.0 | 10.4 | 17.6 | 12 | 19 | 90 | 94 | 90 | 94 | 822247 | 809822 | <0.2 | <0.2 | 1.6 | 1.3 | |
| | | | | | Bottom | 5.8 | 0.4 | 155 | 26.7 | 7.8 | 7.8 | 27.4 | 27.4 | 70.1 | 70.2 | 4.8 | 4.8 | 32.6 | 17.6 | 32 | 4.8 | 32 | 94 | 93 | 90 | 93 | 822247 | 809822 | <0.2 | <0.2 | 1.3 | 1.3 |
| | | | | | | 5.8 | 0.4 | 157 | 26.7 | 7.8 | 7.8 | 27.4 | 27.4 | 70.2 | 70.2 | 4.8 | 4.8 | 32.4 | 17.6 | 34 | 4.8 | 34 | 93 | 93 | 90 | 93 | 822247 | 809822 | <0.2 | <0.2 | 1.3 | 1.3 |
| IM11 | Fine | Moderate | 12:03 | 8.0 | Surface | 1.0 | 0.6 | 76 | 27.3 | 7.8 | 7.8 | 25.8 | 25.8 | 72.5 | 72.4 | 5.0 | 4.9 | 9.0 | 16.7 | 6 | 11 | 83 | 89 | 821518 | 810543 | <0.2 | <0.2 | 1.9 | 1.6 | | | |
| | | | | | | 1.0 | 0.7 | 83 | 27.3 | 7.8 | 7.8 | 25.8 | 25.8 | 72.3 | 72.4 | 5.0 | 4.9 | 9.2 | 16.7 | 6 | 11 | 82 | 90 | 89 | 89 | 821518 | 810543 | <0.2 | <0.2 | 1.9 | 1.6 | |
| | | | | | Middle | 4.0 | 0.7 | 91 | 26.7 | 7.8 | 7.8 | 27.8 | 27.8 | 69.2 | 69.2 | 4.7 | 4.7 | 14.9 | 16.7 | 7 | 11 | 90 | 91 | 89 | 89 | 821518 | 810543 | <0.2 | <0.2 | 1.4 | 1.6 | |
| | | | | | | 4.0 | 0.7 | 94 | 26.7 | 7.8 | 7.8 | 27.8 | 27.8 | 69.1 | 69.2 | 4.7 | 4.7 | 15.6 | 16.7 | 8 | 11 | 91 | 93 | 89 | 93 | 821518 | 810543 | <0.2 | <0.2 | 1.5 | 1.6 | |
| | | | | | Bottom | 7.0 | 0.6 | 95 | 26.6 | 7.8 | 7.8 | 28.2 | 28.2 | 68.6 | 68.7 | 4.7 | 4.7 | 24.8 | 16.7 | 21 | 4.7 | 21 | 93 | 93 | 89 | 93 | 821518 | 810543 | <0.2 | <0.2 | 1.3 | 1.4 |
| | | | | | | 7.0 | 0.7 | 96 | 26.6 | 7.8 | 7.8 | 28.2 | 28.2 | 68.8 | 68.7 | 4.7 | 4.7 | 26.6 | 16.7 | 20 | 4.7 | 20 | 93 | 93 | 89 | 93 | 821518 | 810543 | <0.2 | <0.2 | 1.4 | 1.4 |
| IM12 | Fine | Moderate | 12:08 | 8.5 | Surface | 1.0 | 0.6 | 129 | 27.2 | 7.8 | 7.8 | 25.9 | 25.9 | 76.3 | 76.3 | 5.2 | 5.2 | 6.1 | 7.8 | 6 | 8 | 83 | 88 | 821158 | 811518 | <0.2 | <0.2 | 1.6 | 1.6 | | | |
| | | | | | | 1.0 | 0.6 | 137 | 27.2 | 7.8 | 7.8 | 25.9 | 25.9 | 76.2 | 76.3 | 5.2 | 5.2 | 6.1 | 7.8 | 6 | 8 | 81 | 90 | 88 | 88 | 821158 | 811518 | <0.2 | <0.2 | 1.6 | 1.6 | |
| | | | | | Middle | 4.3 | 0.6 | 123 | 27.1 | 7.8 | 7.8 | 26.1 | 26.1 | 75.0 | 75.0 | 5.2 | 5.2 | 7.6 | 7.8 | 6 | 8 | 90 | 89 | 88 | 88 | 821158 | 811518 | <0.2 | <0.2 | 1.7 | 1.6 | |
| | | | | | | 4.3 | 0.6 | 130 | 27.1 | 7.8 | 7.8 | 26.1 | 26.1 | 74.9 | 75.0 | 5.2 | 5.2 | 7.7 | 7.8 | 6 | 8 | 89 | 93 | 88 | 88 | 821158 | 811518 | <0.2 | <0.2 | 1.6 | 1.6 | |
| | | | | | Bottom | 7.5 | 0.5 | 132 | 26.8 | 7.8 | 7.8 | 27.3 | 27.4 | 76.4 | 76.9 | 5.3 | 5.3 | 9.5 | 7.8 | 12 | 5.3 | 12 | 93 | 93 | 88 | 88 | 821158 | 811518 | <0.2 | <0.2 | 1.5 | 1.5 |
| | | | | | | 7.5 | 0.6 | 135 | 26.8 | 7.8 | 7.8 | 27.4 | 27.4 | 77.4 | 76.9 | 5.3 | 5.3 | 9.6 | 7.8 | 12 | 5.3 | 12 | 93 | 93 | 88 | 88 | 821158 | 811518 | <0.2 | <0.2 | 1.5 | 1.5 |
| SR2 | Fine | Moderate | 12:00 | 5.1 | Surface | 1.0 | 0.5 | 104 | 26.6 | 7.8 | 7.8 | 27.1 | 27.1 | 72.8 | 72.8 | 5.0 | 5.0 | 12.9 | 13.2 | 7 | 11 | 84 | 87 | 821449 | 814181 | <0.2 | <0.2 | 1.5 | 1.4 | | | |
| | | | | | | 1.0 | 0.5 | 107 | 26.6 | 7.8 | 7.8 | 27.0 | 27.1 | 72.8 | 72.8 | 5.0 | 5.0 | 12.9 | 13.2 | 5 | 11 | 85 | 89 | 87 | 87 | 821449 | 814181 | <0.2 | <0.2 | 1.4 | 1.4 | |
| | | | | | Middle | 2.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 821449 | 814181 | <0.2 | <0.2 | - | - |
| | | | | | | 2.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 821449 | 814181 | <0.2 | <0.2 | - | - |
| | | | | | Bottom | 4.1 | 0.4 | 124 | 26.5 | 7.8 | 7.8 | 27.2 | 27.2 | 74.8 | 75.7 | 5.2 | 5.2 | 13.6 | 13.2 | 15 | 5.2 | 15 | 89 | 90 | 87 | 87 | 821449 | 814181 | <0.2 | <0.2 | 1.4 | 1.4 |
| | | | | | | 4.1 | 0.4 | 131 | 26.5 | 7.8 | 7.8 | 27.1 | 27.2 | 76.6 | 75.7 | 5.3 | 5.3 | 13.2 | 13.2 | 15 | 5.3 | 15 | 90 | 90 | 87 | 87 | 821449 | 814181 | <0.2 | <0.2 | 1.4 | 1.4 |
| SR3 | Fine | Moderate | 11:37 | 9.4 | Surface | 1.0 | 0.3 | 175 | 27.0 | 7.8 | 7.8 | 24.9 | 24.9 | 74.5 | 74.5 | 5.2 | 5.2 | 7.7 | 10.1 | 5 | 8 | - | - | 822157 | 807586 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.4 | 186 | 27.0 | 7.8 | 7.8 | 24.9 | 24.9 | 74.5 | 74.5 | 5.2 | 5.2 | 7.7 | 10.1 | 4 | 8 | - | - | - | - | 822157 | 807586 | - | - | - | - | |
| | | | | | Middle | 4.7 | 0.4 | 103 | 26.8 | 7.9 | 7.9 | 25.6 | 25.6 | 73.5 | 73.5 | 5.1 | 5.1 | 9.0 | 10.1 | 9 | 8 | - | - | - | - | 822157 | 807586 | - | - | - | - | |
| | | | | | | 4.7 | 0.4 | 113 | 26.8 | 7.9 | 7.9 | 25.5 | 25.6 | 73.5 | 73.5 | 5.1 | 5.1 | 9.0 | 10.1 | 9 | 8 | - | - | - | - | 822157 | 807586 | - | - | - | - | |
| | | | | | Bottom | 8.4 | 0.4 | 81 | 26.4 | 7.9 | 7.9 | 27.5 | 27.5 | 71.0 | 71.0 | 4.9 | 4.9 | 13.5 | 10.1 | 10 | 4.9 | 10 | - | - | - | - | 822157 | 807586 | - | - | - | - |
| | | | | | | 8.4 | 0.4 | 84 | 26.4 | 7.9 | 7.9 | 27.5 | 27.5 | 71.0 | 71.0 | 4.9 | 4.9 | 13.6 | 10.1 | 12 | 4.9 | 12 | - | - | - | - | 822157 | 807586 | - | - | - | - |
| SR4A | Sunny | Moderate | 13:02 | 9.1 | Surface | 1.0 | 0.3 | 88 | 28.8 | 7.9 | 7.9 | 26.2 | 26.2 | 76.3 | 76.3 | 5.1 | 4.8 | 6.3 | 17.5 | 10 | 25 | - | - | 817194 | 807815 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.3 | 93 | 28.8 | 7.9 | 7.9 | 26.2 | 26.2 | 76.3 | 76.3 | 5.1 | 4.8 | 6.3 | 17.5 | 10 | 25 | - | - | - | - | 817194 | 807815 | - | - | - | - | |
| | | | | | Middle | 4.6 | 0.3 | 85 | 28.1 | 7.9 | 7.9 | 29.1 | 29.1 | 66.1 | 66.1 | 4.5 | 4.5 | 19.1 | 17.5 | 29 | 4.5 | 29 | - | - | - | - | 817194 | 807815 | - | - | - | - |
| | | | | | | 4.6 | 0.4 | 87 | 28.1 | 7.9 | 7.9 | 29.1 | 29.1 | 66.0 | 66.0 | 4.5 | 4.5 | 19.1 | 17.5 | 30 | 4.5 | 30 | - | - | - | - | 817194 | 807815 | - | - | - | - |
| | | | | | Bottom | 8.1 | 0.3 | 85 | 28.0 | 7.9 | 7.9 | 29.4 | 29.4 | 64.6 | 64.6 | 4.3 | 4.3 | 27.2 | 17.5 | 37 | 4.3 | 37 | - | - | - | - | 817194 | 807815 | - | - | - | - |
| | | | | | | 8.1 | 0.3 | 85 | 28.0 | 7.9 | 7.9 | 29.4 | 29.4 | 64.6 | 64.6 | 4.3 | 4.3 | 27.1 | 17.5 | 35 | 4.3 | 35 | - | - | - | - | 817194 | 807815 | - | - | - | - |
| SR5A | Sunny | Calm | 13:19 | 5.1 | Surface | 1.0 | 0.1 | 210 | 29.2 | 8.0 | 8.0 | 26.5 | 26.5 | 98.7 | 98.7 | 6.5 | 6.5 | 4.5 | 5.1 | 10 | 11 | - | - | 816573 | 810707 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.1 | 215 | 29.2 | 8.0 | 8.0 | 26.5 | 26.5 | 98.7 | 98.7 | 6.5 | 6.5 | 4.5 | 5.1 | 8 | 6.5 | 8 | - | - | - | - | 816573 | 810707 | - | - | - | - |
| | | | | | Middle | 2.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 816573 | 810707 | - | - | - | - |
| | | | | | | 2.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 816573 | 810707 | - | - | - | - |
| | | | | | Bottom | 4.1 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 20 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|-------------------------|-----|----------------|------|-------------------------|----|------------------------|----|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Rainy | Moderate | 08:59 | 9.1 | Surface | 1.0 | 0.7 | 48 | 28.0 | 28.0 | 8.1 | 8.1 | 31.4 | 31.4 | 85.1 | 85.1 | 5.6 | 5.6 | 9.6 | 14.0 | 10 | 14 | 79 | 86 | 815612 | 804256 | <0.2 | <0.2 | 1.1 | 1.1 | | |
| | | | | | | 1.0 | 0.8 | 50 | 28.0 | 28.0 | 8.1 | 8.1 | 31.4 | 31.4 | 85.1 | 85.1 | 5.6 | 5.6 | 9.3 | 14.0 | 8 | 14 | 77 | 84 | <0.2 | <0.2 | 1.1 | 1.1 | | | | |
| | | | | | | 4.6 | 0.8 | 51 | 28.0 | 28.0 | 8.1 | 8.1 | 31.4 | 31.4 | 85.0 | 85.1 | 5.6 | 5.6 | 13.6 | 14.0 | 9 | 14 | 84 | 85 | <0.2 | <0.2 | 1.2 | 1.2 | | | | |
| | | | | | Middle | 4.6 | 0.8 | 52 | 28.0 | 28.0 | 8.1 | 8.1 | 31.3 | 31.4 | 85.1 | 85.1 | 5.6 | 5.6 | 13.6 | 14.0 | 9 | 14 | 85 | 85 | <0.2 | <0.2 | 1.2 | 1.2 | | | | |
| | | | | | | 8.1 | 0.7 | 51 | 28.0 | 28.0 | 8.1 | 8.1 | 31.9 | 31.9 | 84.9 | 85.0 | 5.6 | 5.6 | 18.2 | 14.0 | 23 | 14 | 94 | 96 | <0.2 | <0.2 | 1.0 | 1.0 | | | | |
| | | | | | | 8.1 | 0.7 | 54 | 28.0 | 28.0 | 8.1 | 8.1 | 31.9 | 31.9 | 85.0 | 85.0 | 5.6 | 5.6 | 19.5 | 14.0 | 25 | 14 | 96 | 96 | <0.2 | <0.2 | 1.1 | 1.1 | | | | |
| C2 | Cloudy | Rough | 10:56 | 13.2 | Surface | 1.0 | 0.5 | 88 | 26.1 | 26.1 | 8.0 | 8.0 | 24.9 | 24.9 | 77.7 | 77.8 | 5.5 | 5.5 | 10.0 | 13.7 | 7 | 12 | 82 | 88 | 825666 | 806947 | <0.2 | <0.2 | 2.6 | 2.6 | | |
| | | | | | | 1.0 | 0.5 | 91 | 26.1 | 26.1 | 8.0 | 8.0 | 24.9 | 24.9 | 77.8 | 78.0 | 5.5 | 5.5 | 10.2 | 13.7 | 7 | 12 | 85 | 89 | <0.2 | <0.2 | 2.9 | 2.9 | | | | |
| | | | | | | 6.6 | 0.5 | 65 | 26.1 | 26.1 | 8.0 | 8.0 | 25.6 | 25.6 | 78.0 | 78.0 | 5.5 | 5.5 | 15.1 | 13.7 | 10 | 12 | 90 | 89 | <0.2 | <0.2 | 2.6 | 2.6 | | | | |
| | | | | | Middle | 6.6 | 0.5 | 65 | 26.1 | 26.1 | 8.0 | 8.0 | 25.6 | 25.6 | 78.0 | 78.0 | 5.5 | 5.5 | 15.2 | 13.7 | 9 | 12 | 89 | 89 | <0.2 | <0.2 | 2.5 | 2.5 | | | | |
| | | | | | | 12.2 | 0.5 | 234 | 26.1 | 26.1 | 8.0 | 8.0 | 25.8 | 25.8 | 80.4 | 80.4 | 5.6 | 5.6 | 16.1 | 13.7 | 18 | 12 | 92 | 92 | <0.2 | <0.2 | 2.9 | 2.9 | | | | |
| | | | | | | 12.2 | 0.6 | 248 | 26.1 | 26.1 | 8.0 | 8.0 | 25.8 | 25.8 | 82.5 | 81.5 | 5.8 | 5.7 | 15.4 | 13.7 | 19 | 12 | 92 | 92 | <0.2 | <0.2 | 2.6 | 2.6 | | | | |
| C3 | Cloudy | Rough | 09:13 | 11.5 | Surface | 1.0 | 0.7 | 272 | 26.2 | 26.2 | 7.9 | 7.9 | 29.3 | 29.3 | 74.4 | 74.4 | 5.1 | 5.0 | 6.9 | 13.7 | 7 | 11 | 83 | 88 | 822089 | 817785 | <0.2 | <0.2 | 1.6 | 1.6 | | |
| | | | | | | 1.0 | 0.8 | 295 | 26.2 | 26.2 | 7.9 | 7.9 | 29.3 | 29.3 | 74.4 | 74.4 | 5.1 | 5.0 | 7.0 | 13.7 | 6 | 11 | 83 | 89 | <0.2 | <0.2 | 1.8 | 1.8 | | | | |
| | | | | | | 5.8 | 0.8 | 267 | 26.1 | 26.1 | 7.9 | 7.9 | 29.8 | 29.8 | 72.3 | 72.3 | 5.0 | 5.0 | 13.3 | 13.7 | 7 | 11 | 89 | 90 | <0.2 | <0.2 | 1.6 | 1.7 | | | | |
| | | | | | Middle | 5.8 | 0.8 | 269 | 26.1 | 26.1 | 7.9 | 7.9 | 29.8 | 29.8 | 72.2 | 72.3 | 4.9 | 4.9 | 13.6 | 13.7 | 7 | 11 | 90 | 90 | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | | 10.5 | 0.5 | 274 | 26.0 | 26.1 | 7.9 | 7.9 | 30.4 | 30.4 | 73.7 | 74.2 | 5.0 | 5.1 | 21.4 | 13.7 | 21 | 11 | 92 | 92 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | | 10.5 | 0.6 | 295 | 26.1 | 26.1 | 7.9 | 7.9 | 30.4 | 30.4 | 74.6 | 74.2 | 5.1 | 5.1 | 20.1 | 13.7 | 20 | 11 | 93 | 93 | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| IM1 | Rainy | Moderate | 09:20 | 7.4 | Surface | 1.0 | 0.6 | 38 | 28.0 | 28.0 | 8.0 | 8.0 | 28.7 | 28.7 | 82.8 | 82.8 | 5.5 | 5.5 | 9.7 | 15.8 | 9 | 17 | 75 | 80 | 818344 | 806462 | <0.2 | <0.2 | 1.5 | 1.5 | | |
| | | | | | | 1.0 | 0.6 | 40 | 28.0 | 28.0 | 8.0 | 8.0 | 28.7 | 28.7 | 82.8 | 82.8 | 5.5 | 5.5 | 9.7 | 15.8 | 11 | 17 | 76 | 79 | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | | 3.7 | 0.6 | 32 | 28.1 | 28.1 | 8.0 | 8.0 | 29.5 | 29.5 | 82.2 | 82.2 | 5.4 | 5.4 | 17.0 | 15.8 | 20 | 17 | 79 | 70 | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | Middle | 3.7 | 0.6 | 33 | 28.1 | 28.1 | 8.0 | 8.0 | 29.5 | 29.5 | 82.2 | 82.2 | 5.4 | 5.4 | 16.3 | 15.8 | 20 | 17 | 70 | 87 | <0.2 | <0.2 | 1.7 | 1.5 | | | | |
| | | | | | | 6.4 | 0.5 | 44 | 28.1 | 28.1 | 8.0 | 8.0 | 29.7 | 29.7 | 82.2 | 82.2 | 5.4 | 5.4 | 21.7 | 15.8 | 22 | 17 | 87 | 87 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | | 6.4 | 0.5 | 44 | 28.1 | 28.1 | 8.0 | 8.0 | 29.7 | 29.7 | 82.2 | 82.2 | 5.4 | 5.4 | 20.3 | 15.8 | 22 | 17 | 90 | 87 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| IM2 | Rainy | Moderate | 09:26 | 8.4 | Surface | 1.0 | 0.7 | 35 | 28.0 | 28.0 | 8.0 | 8.0 | 29.4 | 29.4 | 84.1 | 84.0 | 5.6 | 5.5 | 8.9 | 15.9 | 13 | 19 | 78 | 83 | 818851 | 806203 | <0.2 | <0.2 | 1.4 | 1.4 | | |
| | | | | | | 1.0 | 0.7 | 36 | 28.0 | 28.0 | 8.0 | 8.0 | 29.4 | 29.4 | 83.9 | 84.0 | 5.6 | 5.5 | 10.0 | 15.9 | 12 | 19 | 75 | 83 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | | 4.2 | 0.6 | 38 | 28.1 | 28.1 | 8.0 | 8.0 | 29.8 | 29.8 | 82.0 | 82.0 | 5.4 | 5.4 | 15.3 | 15.9 | 20 | 19 | 83 | 84 | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | Middle | 4.2 | 0.6 | 40 | 28.1 | 28.1 | 8.0 | 8.0 | 29.8 | 29.8 | 82.0 | 82.0 | 5.4 | 5.4 | 17.3 | 15.9 | 21 | 19 | 84 | 87 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | | 7.4 | 0.5 | 47 | 28.1 | 28.1 | 8.0 | 8.0 | 29.8 | 29.8 | 83.0 | 83.1 | 5.5 | 5.5 | 21.7 | 15.9 | 23 | 19 | 87 | 89 | <0.2 | <0.2 | 1.0 | 1.0 | | | | |
| | | | | | | 7.4 | 0.5 | 47 | 28.1 | 28.1 | 8.0 | 8.0 | 29.8 | 29.8 | 83.1 | 83.1 | 5.5 | 5.5 | 22.3 | 15.9 | 25 | 19 | 89 | 89 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| IM3 | Rainy | Moderate | 09:34 | 8.6 | Surface | 1.0 | 0.6 | 63 | 28.1 | 28.1 | 8.0 | 8.0 | 29.8 | 29.8 | 82.5 | 82.5 | 5.5 | 5.5 | 9.3 | 15.6 | 11 | 22 | 76 | 81 | 819420 | 806008 | <0.2 | <0.2 | 1.3 | 1.3 | | |
| | | | | | | 1.0 | 0.7 | 65 | 28.1 | 28.1 | 8.0 | 8.0 | 29.8 | 29.8 | 82.4 | 82.5 | 5.5 | 5.5 | 8.3 | 15.6 | 11 | 22 | 76 | 80 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | | 4.3 | 0.6 | 55 | 28.1 | 28.1 | 8.0 | 8.0 | 29.9 | 29.9 | 81.9 | 81.9 | 5.4 | 5.4 | 14.3 | 15.6 | 27 | 22 | 80 | 81 | <0.2 | <0.2 | 1.4 | 1.4 | | | | |
| | | | | | Middle | 4.3 | 0.6 | 56 | 28.1 | 28.1 | 8.0 | 8.0 | 29.9 | 29.9 | 81.8 | 81.9 | 5.4 | 5.4 | 13.2 | 15.6 | 26 | 22 | 81 | 85 | <0.2 | <0.2 | 1.3 | 1.3 | | | | |
| | | | | | | 7.6 | 0.5 | 64 | 28.1 | 28.1 | 8.0 | 8.0 | 29.9 | 29.9 | 83.0 | 83.3 | 5.5 | 5.5 | 23.3 | 15.6 | 29 | 22 | 85 | 86 | <0.2 | <0.2 | 1.2 | 1.2 | | | | |
| | | | | | | 7.6 | 0.5 | 67 | 28.1 | 28.1 | 8.0 | 8.0 | 29.9 | 29.9 | 83.5 | 83.3 | 5.5 | 5.5 | 25.0 | 15.6 | 29 | 22 | 86 | 86 | <0.2 | <0.2 | 1.3 | 1.3 | | | | |
| IM4 | Rainy | Moderate | 09:44 | 7.9 | Surface | 1.0 | 0.7 | 39 | 27.9 | 27.9 | 8.0 | 8.0 | 29.7 | 29.7 | 84.7 | 84.6 | 5.6 | 5.6 | 9.9 | 14.4 | 9 | 19 | 79 | 84 | 819573 | 805022 | <0.2 | <0.2 | 1.0 | 1.0 | | |
| | | | | | | 1.0 | 0.7 | 42 | 27.9 | 27.9 | 8.0 | 8.0 | 29.7 | 29.7 | 84.5 | 84.6 | 5.6 | 5.6 | 9.6 | 14.4 | 9 | 19 | 81 | 84 | <0.2 | <0.2 | 1.1 | 1.1 | | | | |
| | | | | | | 4.0 | 0.6 | 39 | 28.1 | 28.1 | 8.0 | 8.0 | 30.2 | 30.2 | 82.8 | 82.8 | 5.5 | 5.5 | 13.3 | 14.4 | 17 | 19 | 84 | 83 | <0.2 | <0.2 | 1.2 | 1.2 | | | | |
| | | | | | Middle | 4.0 | 0.7 | 41 | 28.1 | 28.1 | 8.0 | 8.0 | 30.2 | 30.2 | 82.8 | 82.8 | 5.5 | 5.5 | 12.3 | 14.4 | 18 | 19 | 83 | 88 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | | 6.9 | 0.5 | 41 | 28.1 | 28.1 | 8.0 | 8.0 | 30.3 | 30.3 | 83.8 | 84.2 | 5.5 | 5.5 | 21.3 | 14.4 | 30 | 19 | 88 | 90 | <0.2 | <0.2 | 1.2 | 1.2 | | | | |
| | | | | | | 6.9 | 0.6 | 41 | 28.1 | 28.1 | 8.0 | 8.0 | 30.3 | 30.3 | 84.6 | 84.2 | 5.6 | 5.6 | 20.0 | 14.4 | 28 | 19 | 90 | 87 | <0.2 | <0.2 | 1.2 | 1.2 | | | | |
| IM5 | Rainy | Moderate | 09:52 | 7.2 | Surface | 1.0 | 0.7 | 59 | 27.9 | 27.9 | 8.0 | 8.0 | 29.5 | 29.6 | 83.5 | 83.3 | 5.5 | 5.5 | 9.7 | 16.1 | 10 | 12 | 78 | 81 | 820574 | 804914 | <0.2 | <0.2 | 1.1 | 1.1 | | |
| | | | | | | 1.0 | 0.7 | 59 | 27.9 | 27.9 | 8.0 | 8.0 | 29.6 | 29.6 | 83.0 | 82.2 | 5.5 | 5.5 | 10.2 | 16.1 | 10 | 12 | 75 | 80 | <0.2 | <0.2 | 1.4 | 1.4 | | | | |
| | | | | | | 3.6 | 0.6 | 63 | 28.1 | 28.1 | 8.0 | 8.0 | 30.0 | 30.0 | 82.2 | 82.2 | 5.4 | 5.4 | 15.2 | 16.1 | 10 | 12 | 80 | 81 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | Middle | 3.6 | 0.7 | 69 | 28.1 | 28.1 | 8.0 | 8.0 | 30.0 | 30.0 | 82.2 | 82.2 | 5.4 | 5.4 | 16.3 | 16.1 | 10 | 12 | 81 | 86 | <0.2 | <0.2 | 1.3 | 1.3 | | | | |
| | | | | | | 6.2 | 0.5 | 65 | 28.1 | 28.1 | 8.0 | 8.0 | 30.0 | 30.0 | 83.0 | 83.0 | 5.5 | 5.5 | 23.2 | 16.1 | 15 | 12 | 86 | 87 | <0.2 | <0.2 | 1.2 | 1.2 | | | | |
| | | | | | | 6.2 | 0.5 | 71 | 28.1 | 28.1 | 8.0 | 8.0 | 30.0 | 30.0 | 84.0 | 83.5 | 5.5 | 5.5 | 22.2 | 16.1 | 14 | 12 | 87 | 87 | <0.2 | <0.2 | 1.2 | 1.2 | | | | |
| IM6 | Rainy | Moderate | 09:59 | 7.4 | Surface | 1.0 | 0.7 | 44 | 28.0 | 28.0 | 8.0 | 8.0 | 29.8 | 29.8 | 84.1 | 84.1 | 5.6 | 5.6 | 9.3 | 14.6 | | | | | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 20 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|------|------------------------|----|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|---|---|---|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | | | |
| IM9 | Cloudy | Rough | 10:15 | 7.9 | Surface | 1.0 | 0.4 | 177 | 26.3 | 26.3 | 8.0 | 8.0 | 27.6 | 27.6 | 78.3 | 78.3 | 5.4 | 5.4 | 13.0 | 16.3 | 7 | 9 | 85 | 89 | 822093 | 808791 | <0.2 | <0.2 | 1.9 | 2.0 | | | | | | |
| | | | | | | 1.0 | 0.5 | 192 | 26.3 | | 8.0 | 8.0 | 27.6 | 27.6 | 78.3 | 78.3 | 5.4 | | 13.2 | | 7 | | 84 | | | | <0.2 | | 2.1 | | | | | | | |
| | | | | | Middle | 4.0 | 0.5 | 243 | 26.2 | 26.2 | 8.0 | 8.0 | 27.8 | 27.8 | 78.8 | 79.0 | 5.4 | 5.5 | 16.5 | 10 | 90 | <0.2 | 2.0 | | | | | | | | | | | | | |
| | | | | | | 4.0 | 0.5 | 256 | 26.2 | | 8.0 | 8.0 | 27.8 | 27.8 | 79.1 | 79.0 | 5.5 | | 17.3 | 9 | 89 | <0.2 | 2.1 | | | | | | | | | | | | | |
| | | | | | Bottom | 6.9 | 0.4 | 221 | 26.2 | 26.2 | 8.0 | 8.0 | 28.0 | 28.0 | 80.4 | 81.4 | 5.6 | 5.7 | 20.0 | 10 | 92 | <0.2 | 2.0 | | | | | | | | | | | | | |
| | | | | | | 6.9 | 0.4 | 227 | 26.2 | | 8.0 | 8.0 | 28.0 | 28.0 | 82.4 | 81.4 | 5.7 | | 17.5 | 11 | 91 | <0.2 | 2.1 | | | | | | | | | | | | | |
| IM10 | Cloudy | Rough | 10:07 | 7.8 | Surface | 1.0 | 0.5 | 279 | 26.2 | 26.2 | 8.1 | 8.1 | 28.4 | 28.4 | 79.2 | 79.2 | 5.5 | 5.5 | 11.2 | 23.8 | 9 | 18 | 85 | 89 | 822253 | 809840 | <0.2 | <0.2 | 1.8 | 1.6 | | | | | | |
| | | | | | | 1.0 | 0.6 | 301 | 26.2 | | 8.1 | 8.1 | 28.4 | 28.4 | 79.2 | 79.2 | 5.5 | | 11.2 | | 10 | | 83 | | | | <0.2 | | 1.7 | | | | | | | |
| | | | | | Middle | 3.9 | 0.5 | 271 | 26.2 | 26.2 | 8.0 | 8.0 | 28.7 | 28.7 | 78.5 | 78.5 | 5.4 | 5.4 | 25.5 | 16 | 89 | <0.2 | 1.3 | | | | | | | | | | | | | |
| | | | | | | 3.9 | 0.5 | 273 | 26.2 | | 8.0 | 8.0 | 28.7 | 28.7 | 78.5 | 78.5 | 5.4 | | 25.8 | 14 | 90 | <0.2 | 1.7 | | | | | | | | | | | | | |
| | | | | | Bottom | 6.8 | 0.4 | 253 | 26.2 | 26.2 | 8.0 | 8.0 | 28.8 | 28.8 | 80.5 | 81.0 | 5.5 | 5.6 | 33.7 | 30 | 92 | <0.2 | 1.8 | | | | | | | | | | | | | |
| | | | | | | 6.8 | 0.5 | 263 | 26.2 | | 8.0 | 8.0 | 28.8 | 28.8 | 81.4 | 81.0 | 5.6 | | 35.3 | 31 | 92 | <0.2 | 1.5 | | | | | | | | | | | | | |
| IM11 | Cloudy | Rough | 10:00 | 8.1 | Surface | 1.0 | 0.6 | 275 | 25.0 | 25.0 | 8.0 | 8.0 | 28.3 | 28.3 | 96.6 | 96.6 | 6.8 | 6.1 | 8.0 | 22.2 | 16 | 17 | 84 | 89 | 821513 | 810542 | <0.2 | <0.2 | 2.0 | 1.9 | | | | | | |
| | | | | | | 1.0 | 0.6 | 296 | 25.0 | | 8.0 | 8.0 | 28.3 | 28.3 | 96.6 | 96.6 | 6.8 | | 8.0 | | 15 | | 87 | | | | <0.2 | | 1.8 | | | | | | | |
| | | | | | Middle | 4.1 | 0.5 | 276 | 26.2 | 26.2 | 8.0 | 8.0 | 28.7 | 28.7 | 77.6 | 77.6 | 5.3 | 5.3 | 25.6 | 16 | 90 | <0.2 | 1.8 | | | | | | | | | | | | | |
| | | | | | | 4.1 | 0.5 | 298 | 26.2 | | 8.0 | 8.0 | 28.7 | 28.7 | 77.6 | 77.6 | 5.3 | | 25.6 | 17 | 89 | <0.2 | 1.9 | | | | | | | | | | | | | |
| | | | | | Bottom | 7.1 | 0.5 | 271 | 26.2 | 26.2 | 8.0 | 8.0 | 28.8 | 28.8 | 77.5 | 77.5 | 5.3 | 5.3 | 32.8 | 19 | 92 | <0.2 | 2.0 | | | | | | | | | | | | | |
| | | | | | | 7.1 | 0.5 | 275 | 26.2 | | 8.0 | 8.0 | 28.8 | 28.8 | 77.5 | 77.5 | 5.3 | | 33.1 | 20 | 91 | <0.2 | 1.8 | | | | | | | | | | | | | |
| IM12 | Cloudy | Rough | 09:52 | 9.2 | Surface | 1.0 | 0.7 | 264 | 26.2 | 26.2 | 8.1 | 8.1 | 28.8 | 28.8 | 76.8 | 76.8 | 5.3 | 5.3 | 23.1 | 24.4 | 20 | 22 | 82 | 88 | 821153 | 811505 | <0.2 | <0.2 | 1.8 | 1.8 | | | | | | |
| | | | | | | 1.0 | 0.7 | 269 | 26.2 | | 8.1 | 8.1 | 28.8 | 28.8 | 76.8 | 76.8 | 5.3 | | 23.1 | | 19 | | 83 | | | | <0.2 | | 1.9 | | | | | | | |
| | | | | | Middle | 4.6 | 0.7 | 266 | 26.2 | 26.2 | 8.0 | 8.0 | 28.8 | 28.8 | 77.2 | 77.2 | 5.3 | 5.3 | 24.2 | 24 | 89 | <0.2 | 1.6 | | | | | | | | | | | | | |
| | | | | | | 4.6 | 0.7 | 266 | 26.2 | | 8.0 | 8.0 | 28.8 | 28.8 | 77.2 | 77.2 | 5.3 | | 24.3 | 23 | 90 | <0.2 | 1.8 | | | | | | | | | | | | | |
| | | | | | Bottom | 8.2 | 0.5 | 270 | 26.2 | 26.2 | 8.0 | 8.0 | 28.8 | 28.8 | 79.1 | 79.2 | 5.4 | 5.4 | 25.8 | 24 | 91 | <0.2 | 1.7 | | | | | | | | | | | | | |
| | | | | | | 8.2 | 0.6 | 292 | 26.2 | | 8.0 | 8.0 | 28.8 | 28.8 | 79.2 | 79.2 | 5.4 | | 25.9 | 24 | 92 | <0.2 | 1.8 | | | | | | | | | | | | | |
| SR2 | Cloudy | Rough | 09:32 | 5.2 | Surface | 1.0 | 0.3 | 263 | 26.2 | 26.2 | 8.0 | 8.0 | 28.6 | 28.7 | 78.3 | 78.3 | 5.4 | 5.4 | 18.2 | 20.4 | 13 | 15 | 83 | 87 | 821478 | 814174 | <0.2 | <0.2 | 2.0 | 2.1 | | | | | | |
| | | | | | | 1.0 | 0.3 | 275 | 26.2 | | 8.0 | 8.0 | 28.7 | 28.7 | 78.3 | 78.3 | 5.4 | | 18.6 | | 13 | | 83 | | | | <0.2 | | 2.1 | | | | | | | |
| | | | | | Middle | 2.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | - | | - | | - | - | - | - | - | - |
| | | | | | | 2.6 | - | - | - | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | - | | - | | - | - | - | - | - | - |
| | | | | | Bottom | 4.2 | 0.2 | 265 | 26.2 | 26.2 | 8.0 | 8.0 | 28.7 | 28.7 | 83.6 | 83.7 | 5.8 | 5.8 | 22.3 | 18 | 90 | <0.2 | 2.2 | | | | | | | | | | | | | |
| | | | | | | 4.2 | 0.2 | 270 | 26.2 | | 8.0 | 8.0 | 28.7 | 28.7 | 83.8 | 83.7 | 5.8 | | 22.3 | 17 | 91 | <0.2 | 1.9 | | | | | | | | | | | | | |
| SR3 | Cloudy | Rough | 10:28 | 9.4 | Surface | 1.0 | 0.5 | 169 | 26.1 | 26.1 | 8.0 | 8.0 | 25.7 | 25.7 | 78.0 | 78.1 | 5.5 | 5.6 | 5.9 | 7.1 | 4 | 6 | - | - | 822160 | 807564 | - | - | - | - | | | | | | |
| | | | | | | 1.0 | 0.5 | 169 | 26.1 | | 8.0 | 8.0 | 25.7 | 25.7 | 78.1 | 78.1 | 5.5 | | 6.1 | | 5 | | - | | | | - | | | | | | | | | |
| | | | | | Middle | 4.7 | 0.7 | 68 | 26.1 | 26.1 | 8.0 | 8.0 | 26.3 | 26.3 | 80.2 | 80.3 | 5.6 | 5.6 | 7.3 | 6 | - | - | | | | | | | | | | | | | | |
| | | | | | | 4.7 | 0.7 | 69 | 26.1 | | 8.0 | 8.0 | 26.3 | 26.3 | 80.3 | 80.3 | 5.6 | | 7.4 | 7 | - | - | | | | | | | | | | | | | | |
| | | | | | Bottom | 8.4 | 0.5 | 101 | 26.1 | 26.1 | 8.0 | 8.0 | 26.9 | 27.0 | 81.9 | 82.4 | 5.7 | 5.8 | 8.0 | 7 | - | - | | | | | | | | | | | | | | |
| | | | | | | 8.4 | 0.5 | 105 | 26.1 | | 8.0 | 8.0 | 27.0 | 27.0 | 82.9 | 82.4 | 5.8 | | 8.1 | 7 | - | - | | | | | | | | | | | | | | |
| SR4A | Rainy | Calm | 08:35 | 9.4 | Surface | 1.0 | 0.1 | 174 | 28.3 | 28.3 | 7.9 | 7.9 | 28.4 | 28.4 | 79.8 | 79.8 | 5.3 | 5.3 | 8.7 | 9.6 | 17 | 18 | - | - | 817184 | 807807 | - | - | - | - | | | | | | |
| | | | | | | 1.0 | 0.1 | 190 | 28.3 | | 7.9 | 7.9 | 28.4 | 28.4 | 79.7 | 79.8 | 5.3 | | 8.7 | | 17 | | - | | | | - | | | | | | | | | |
| | | | | | Middle | 4.7 | 0.1 | 143 | 28.3 | 28.3 | 7.9 | 7.9 | 28.4 | 28.4 | 79.1 | 79.1 | 5.3 | 5.3 | 10.2 | 18 | - | - | | | | | | | | | | | | | | |
| | | | | | | 4.7 | 0.1 | 150 | 28.3 | | 7.9 | 7.9 | 28.4 | 28.4 | 79.0 | 79.0 | 5.3 | | 10.0 | 17 | - | - | | | | | | | | | | | | | | |
| | | | | | Bottom | 8.4 | 0.1 | 125 | 28.3 | 28.3 | 7.9 | 7.9 | 28.5 | 28.5 | 78.8 | 78.9 | 5.2 | 5.3 | 9.9 | 18 | - | - | | | | | | | | | | | | | | |
| | | | | | | 8.4 | 0.1 | 126 | 28.3 | | 7.9 | 7.9 | 28.5 | 28.5 | 79.0 | 78.9 | 5.3 | | 9.8 | 18 | - | - | | | | | | | | | | | | | | |
| SR5A | Rainy | Calm | 08:17 | 4.6 | Surface | 1.0 | 0.3 | 263 | 28.3 | 28.3 | 7.9 | 7.9 | 28.0 | 28.1 | 81.7 | 81.8 | 5.4 | 5.5 | 7.9 | 7.4 | 14 | 15 | - | - | 816574 | 810687 | - | - | - | - | | | | | | |
| | | | | | | 1.0 | 0.3 | 271 | 28.2 | | 7.9 | 7.9 | 28.1 | 28.1 | 81.9 | 81.9 | 5.5 | | 7.9 | | 14 | | - | | | | - | | | | | | | | | |
| | | | | | Middle | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | - | | - | | - | - | - | - | - | - |
| | | | | | | 2.3 | - | - | - | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | - | | - | | - | - | - | - | - | |
| | | | | | Bottom | 3.6 | 0.3 | 274 | 28.3 | 28.3 | 7.9 | 7.9 | 28.0 | 28.0 | 79.2 | 79.5 | 5.3 | 5.3 | 6.8 | 15 | - | - | | | | | | | | | | | | | | |
| | | | | | | 3.6 | 0.3 | 275 | 28.3 | | 7.9 | 7.9 | 28.0 | 28.0 | 79.8 | 79.5 | 5.3 | | 7.0 | 15 | - | - | | | | | | | | | | | | | | |
| SR6 | Rainy | Calm | 07:50 | 4.8 | Surface | 1.0 | 0.2 | 225 | 28.1 | 28.1 | 7.9 | 7.9 | 28.2 | 28.2 | 74.4 | 74.5 | 5.0 | 5.0 | 7.9 | 11.0 | 10 | 19 | - | - | 817904 | 814659 | - | - | - | - | | | | | | |
| | | | | | | 1.0 | 0.2 | 241 | 28.1 | | 7.9 | 7.9 | 28.2 | 28.2 | 74.5 | 74.5 | 5.0 | | 8.1 | | 11 | | - | | | | - | | | | | | | | | |
| | | | | | Middle | 2.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | - | | - | | - | - | - | - | - | |
| | | | | | | 2.4 | - | - | - | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | - | | - | | - | - | - | - | | |
| | | | | | Bottom | 3.8 | 0.2 | 217 | 28.2 | 28.2 | 7.9 | 7.9 | 28.3 | 28.3 | 71.6 | 71.8 | 4.8 | 4.8 | 13.9 | 27 | - | - | | | | | | | | | | | | | | |
| | | | | | | 3.8 | 0.2 | 232 | 28.2 | | 7.9 | 7.9 | 28.3 | 28.3 | 72.0 | 71.8 | 4.8 | | 13.9 | 29 | - | - | | | | | | | | | | | | | | |
| SR7 | Cloudy | Rough | 08:45 | 15.9 | Surface | 1.0 | 0.3 | 138 | 26.0 | 26.0 | 7.9 | 7.9 | 30.4 | 30.4 | 81.0 | 81.1 | 5.5 | 5.2 | 6.1 | 9.1 | 11 | 13 | - | - | 823642 | 823733 | - | - | - | - | | | | | | |
| | | | | | | 1.0 | 0.3 | 150 | 26.0 | | 7.9 | 7.9 | 30.4 | 30.4 | 81.2 | 81.2 | 5.6 | | 6.2 | | 9 | | - | | | | - | | | | | | | | | |
| | | | | | Middle | 8.0 | 0.4 | 77 | 26.0 | 26.0 | 7.9 | 7.9 | 30.9 | 30.9 | 70.7 | 70.7 | 4.8 | 4.8 | 9.9 | 14 | - | - | | | | | | | | | | | | | | |
| | | | | | | 8.0 | 0.4 | 78 | 26.0 | | 7.9 | 7.9 | 30.9 | 30.9 | 70.7 | 70.7 | 4.8 | | 10.1 | 15 | - | - | | | | | | | | | | | | | | |
| | | | | | Bottom | 14.9 | 0.3 | 84 | 26.0 | 26.0 | 7.9 | 7.9 | 31.0 | 31.0 | 71.8 | 72.0 | 4.9 | 4.9 | 11.0 | 16 | - | - | | | | | | | | | | | | | | |
| | | | | | | 14.9 | 0.3 | 88 | 26.0 | | 7.9 | 7.9 | 31.0 | 31.0 | 72.1 | 72.0 | 4.9 | | 11.1 | 15 | - | - | | | | | | | | | | | | | | |
| SR8 | Cloudy | Rough | 09:46 | 5.6 | Surface | 1.0 | 0.3 | 200 | 26.2 | 26.2 | 8.0 | 8.0 | 27.9 | 27.9 | 77.2 | 77.2 | 5.3 | 5.3 | 15.1 | 16.4 | 13 | 14 | - | - | 820426 | 811577 | - | - | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 20 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|------|-----------------|-----|-------------------------|----|------------------------|--------|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Fine | Moderate | 14:48 | 8.7 | Surface | 1.0 | 0.2 | 186 | 28.1 | 8.1 | 8.1 | 31.7 | 31.7 | 89.9 | 89.9 | 5.9 | 5.9 | 2.6 | 5.9 | 5 | 6 | 82 | 90 | 815637 | 804227 | <0.2 | <0.2 | 0.8 | 0.8 | | | |
| | | | | | | 1.0 | 0.2 | 188 | 28.1 | 8.1 | 8.1 | 31.7 | 31.7 | 89.9 | 89.9 | 5.9 | 5.9 | 2.8 | 5.9 | 5 | 6 | 84 | 90 | 82 | 90 | <0.2 | <0.2 | 0.9 | 0.8 | | | |
| | | | | | Middle | 4.4 | 0.2 | 195 | 28.0 | 8.1 | 8.1 | 31.9 | 31.9 | 89.2 | 89.2 | 5.8 | 5.8 | 3.7 | 5.8 | 3.8 | 6 | 6 | 91 | 89 | 82 | 88 | <0.2 | <0.2 | 0.8 | 0.7 | | |
| | | | | | | 4.4 | 0.2 | 203 | 28.0 | 8.1 | 8.1 | 31.9 | 31.9 | 89.2 | 89.2 | 5.8 | 5.8 | 4.0 | 5.8 | 3.8 | 6 | 6 | 89 | 89 | 82 | 88 | <0.2 | <0.2 | 0.7 | 0.9 | | |
| | | | | | Bottom | 7.7 | 0.2 | 244 | 28.0 | 8.1 | 8.1 | 32.1 | 32.1 | 89.4 | 89.5 | 5.8 | 5.9 | 4.8 | 5.9 | 3.8 | 7 | 6 | 98 | 98 | 82 | 88 | <0.2 | <0.2 | 0.9 | 0.8 | | |
| | | | | | | 7.7 | 0.2 | 265 | 28.0 | 8.1 | 8.1 | 32.1 | 32.1 | 89.6 | 89.5 | 5.9 | 5.9 | 4.9 | 5.9 | 3.8 | 7 | 6 | 98 | 98 | 82 | 88 | <0.2 | <0.2 | 0.8 | 0.8 | | |
| C2 | Cloudy | Calm | 13:29 | 12.8 | Surface | 1.0 | 0.3 | 117 | 26.2 | 7.9 | 7.9 | 25.3 | 25.3 | 77.0 | 77.0 | 5.4 | 5.4 | 8.7 | 18.2 | 8 | 18 | 81 | 88 | 825682 | 806937 | <0.2 | <0.2 | 2.6 | 2.3 | | | |
| | | | | | | 1.0 | 0.3 | 122 | 26.2 | 7.9 | 7.9 | 25.3 | 25.3 | 77.0 | 77.0 | 5.4 | 5.4 | 8.7 | 18.2 | 10 | 18 | 82 | 89 | 82 | 88 | <0.2 | <0.2 | 2.7 | 2.2 | | | |
| | | | | | Middle | 6.4 | 0.3 | 96 | 26.2 | 7.9 | 7.9 | 26.0 | 26.0 | 76.8 | 76.9 | 5.4 | 5.4 | 15.1 | 5.4 | 5.4 | 14 | 18 | 90 | 89 | 82 | 88 | <0.2 | <0.2 | 2.3 | 2.2 | | |
| | | | | | | 6.4 | 0.3 | 105 | 26.2 | 7.9 | 7.9 | 26.0 | 26.0 | 76.9 | 76.9 | 5.4 | 5.4 | 15.1 | 5.4 | 5.4 | 13 | 18 | 89 | 89 | 82 | 88 | <0.2 | <0.2 | 2.2 | 1.7 | | |
| | | | | | Bottom | 11.8 | 0.2 | 101 | 26.2 | 7.9 | 7.9 | 26.6 | 26.6 | 78.0 | 78.1 | 5.4 | 5.4 | 30.7 | 5.4 | 5.4 | 32 | 18 | 92 | 92 | 82 | 88 | <0.2 | <0.2 | 1.7 | 2.1 | | |
| | | | | | | 11.8 | 0.2 | 108 | 26.2 | 7.9 | 7.9 | 26.6 | 26.6 | 78.1 | 78.1 | 5.4 | 5.4 | 30.8 | 5.4 | 5.4 | 30 | 18 | 92 | 92 | 82 | 88 | <0.2 | <0.2 | 2.1 | 2.1 | | |
| C3 | Cloudy | Calm | 15:08 | 13.6 | Surface | 1.0 | 0.6 | 76 | 26.1 | 8.1 | 8.1 | 29.7 | 29.8 | 70.6 | 70.6 | 4.8 | 4.8 | 5.4 | 5.5 | 6 | 8 | 84 | 89 | 822095 | 817784 | <0.2 | <0.2 | 1.8 | 1.4 | | | |
| | | | | | | 1.0 | 0.6 | 82 | 26.1 | 8.1 | 8.1 | 29.8 | 29.8 | 70.5 | 70.6 | 4.8 | 4.8 | 5.4 | 5.5 | 8 | 8 | 84 | 90 | 82 | 89 | <0.2 | <0.2 | 1.4 | 1.4 | | | |
| | | | | | Middle | 6.8 | 0.5 | 80 | 25.9 | 8.1 | 8.1 | 30.3 | 30.3 | 70.6 | 70.6 | 4.8 | 4.8 | 5.4 | 5.5 | 7 | 8 | 90 | 90 | 84 | 89 | <0.2 | <0.2 | 1.4 | 1.4 | | | |
| | | | | | | 6.8 | 0.5 | 83 | 25.9 | 8.1 | 8.1 | 30.3 | 30.3 | 70.6 | 70.6 | 4.8 | 4.8 | 5.4 | 5.5 | 6 | 8 | 90 | 90 | 84 | 89 | <0.2 | <0.2 | 1.4 | 1.4 | | | |
| | | | | | Bottom | 12.6 | 0.4 | 102 | 25.9 | 8.1 | 8.1 | 30.5 | 30.5 | 71.3 | 71.3 | 4.9 | 4.9 | 5.8 | 4.9 | 4.9 | 9 | 8 | 93 | 92 | 84 | 89 | <0.2 | <0.2 | 1.5 | 1.1 | | |
| | | | | | | 12.6 | 0.4 | 108 | 25.9 | 8.1 | 8.1 | 30.5 | 30.5 | 71.3 | 71.3 | 4.9 | 4.9 | 5.8 | 4.9 | 4.9 | 10 | 8 | 92 | 92 | 84 | 89 | <0.2 | <0.2 | 1.1 | 1.1 | | |
| IM1 | Fine | Moderate | 14:26 | 7.2 | Surface | 1.0 | 0.1 | 142 | 28.0 | 8.1 | 8.1 | 30.1 | 30.1 | 87.1 | 87.2 | 5.8 | 5.8 | 4.1 | 6.4 | 9 | 10 | 77 | 84 | 818358 | 806466 | <0.2 | 0 | 1.0 | 1.1 | | | |
| | | | | | | 1.0 | 0.1 | 151 | 28.0 | 8.1 | 8.1 | 30.1 | 30.1 | 87.2 | 87.2 | 5.8 | 5.8 | 4.0 | 6.4 | 9 | 10 | 79 | 84 | 82 | 84 | <0.2 | 0 | 1.2 | 1.0 | | | |
| | | | | | Middle | 3.6 | 0.2 | 84 | 28.0 | 8.1 | 8.1 | 31.2 | 31.2 | 87.4 | 87.4 | 5.8 | 5.8 | 5.6 | 6.4 | 9 | 10 | 84 | 85 | 84 | 84 | <0.2 | 0 | 1.1 | 1.0 | | | |
| | | | | | | 3.6 | 0.2 | 89 | 28.0 | 8.1 | 8.1 | 31.1 | 31.2 | 87.4 | 87.4 | 5.8 | 5.8 | 5.4 | 6.4 | 9 | 10 | 85 | 85 | 84 | 84 | <0.2 | 0 | 1.0 | 1.0 | | | |
| | | | | | Bottom | 6.2 | 0.1 | 114 | 28.0 | 8.1 | 8.1 | 31.8 | 31.8 | 87.2 | 87.3 | 5.7 | 5.7 | 9.6 | 5.7 | 5.7 | 12 | 8 | 90 | 90 | 84 | 84 | <0.2 | 0 | 1.0 | 1.0 | | |
| | | | | | | 6.2 | 0.1 | 124 | 28.0 | 8.1 | 8.1 | 31.8 | 31.8 | 87.3 | 87.3 | 5.7 | 5.7 | 9.7 | 5.7 | 5.7 | 13 | 8 | 90 | 90 | 84 | 84 | <0.2 | 0 | 1.0 | 1.0 | | |
| IM2 | Fine | Moderate | 14:20 | 8.0 | Surface | 1.0 | 0.2 | 166 | 28.1 | 8.0 | 8.0 | 29.5 | 29.5 | 86.6 | 86.7 | 5.7 | 5.8 | 4.3 | 6.5 | 9 | 9 | 76 | 84 | 818846 | 806195 | <0.2 | <0.2 | 1.4 | 1.3 | | | |
| | | | | | | 1.0 | 0.2 | 170 | 28.1 | 8.0 | 8.0 | 29.5 | 29.5 | 86.7 | 86.7 | 5.8 | 5.8 | 4.4 | 6.5 | 9 | 9 | 78 | 85 | 82 | 84 | <0.2 | <0.2 | 1.4 | 1.1 | | | |
| | | | | | Middle | 4.0 | 0.2 | 102 | 28.0 | 8.1 | 8.1 | 30.6 | 30.6 | 87.3 | 87.3 | 5.8 | 5.8 | 5.6 | 6.5 | 8 | 9 | 85 | 86 | 84 | 84 | <0.2 | <0.2 | 1.0 | 1.1 | | | |
| | | | | | | 4.0 | 0.2 | 102 | 28.0 | 8.1 | 8.1 | 30.6 | 30.6 | 87.3 | 87.3 | 5.8 | 5.8 | 5.8 | 6.5 | 8 | 9 | 86 | 86 | 84 | 84 | <0.2 | <0.2 | 1.1 | 1.3 | | | |
| | | | | | Bottom | 7.0 | 0.2 | 77 | 28.0 | 8.1 | 8.1 | 31.9 | 31.9 | 87.3 | 87.3 | 5.7 | 5.7 | 9.5 | 5.7 | 5.7 | 10 | 8 | 90 | 91 | 84 | 84 | <0.2 | <0.2 | 1.3 | 1.8 | | |
| | | | | | | 7.0 | 0.2 | 77 | 28.0 | 8.1 | 8.1 | 31.9 | 31.9 | 87.3 | 87.3 | 5.7 | 5.7 | 9.6 | 5.7 | 5.7 | 12 | 8 | 91 | 91 | 84 | 84 | <0.2 | <0.2 | 1.8 | 1.8 | | |
| IM3 | Fine | Moderate | 14:12 | 8.2 | Surface | 1.0 | 0.3 | 258 | 28.2 | 8.0 | 8.0 | 29.3 | 29.3 | 86.0 | 86.1 | 5.7 | 5.7 | 5.0 | 8.1 | 8 | 9 | 78 | 84 | 819419 | 806010 | <0.2 | <0.2 | 1.6 | 1.7 | | | |
| | | | | | | 1.0 | 0.3 | 269 | 28.2 | 8.0 | 8.0 | 29.3 | 29.3 | 86.1 | 86.1 | 5.7 | 5.7 | 5.2 | 8.1 | 8 | 9 | 79 | 84 | 82 | 84 | <0.2 | <0.2 | 1.8 | 1.6 | | | |
| | | | | | Middle | 4.1 | 0.3 | 59 | 28.0 | 8.1 | 8.1 | 30.2 | 30.2 | 86.5 | 86.5 | 5.7 | 5.7 | 6.5 | 8.1 | 8 | 9 | 84 | 86 | 84 | 84 | <0.2 | <0.2 | 1.6 | 2.3 | | | |
| | | | | | | 4.1 | 0.3 | 61 | 28.0 | 8.1 | 8.1 | 30.1 | 30.2 | 86.4 | 86.5 | 5.7 | 5.7 | 7.2 | 8.1 | 8 | 9 | 86 | 88 | 84 | 84 | <0.2 | <0.2 | 2.3 | 1.3 | | | |
| | | | | | Bottom | 7.2 | 0.3 | 78 | 28.0 | 8.1 | 8.1 | 31.9 | 31.9 | 86.6 | 86.7 | 5.7 | 5.7 | 12.8 | 5.7 | 5.7 | 10 | 8 | 88 | 90 | 84 | 84 | <0.2 | <0.2 | 1.3 | 1.3 | | |
| | | | | | | 7.2 | 0.3 | 85 | 28.0 | 8.1 | 8.1 | 31.9 | 31.9 | 86.8 | 86.8 | 5.7 | 5.7 | 12.1 | 5.7 | 5.7 | 9 | 8 | 90 | 90 | 84 | 84 | <0.2 | <0.2 | 1.3 | 1.3 | | |
| IM4 | Fine | Moderate | 14:05 | 7.3 | Surface | 1.0 | 0.4 | 126 | 28.0 | 8.1 | 8.1 | 30.1 | 30.1 | 85.2 | 85.2 | 5.6 | 5.6 | 5.6 | 7.9 | 10 | 11 | 81 | 86 | 819566 | 805032 | <0.2 | <0.2 | 1.7 | 1.4 | | | |
| | | | | | | 1.0 | 0.4 | 127 | 28.0 | 8.1 | 8.1 | 30.1 | 30.1 | 85.2 | 85.2 | 5.6 | 5.6 | 5.3 | 7.9 | 10 | 11 | 83 | 85 | 82 | 86 | <0.2 | <0.2 | 1.8 | 1.3 | | | |
| | | | | | Middle | 3.7 | 0.3 | 120 | 28.0 | 8.1 | 8.1 | 31.6 | 31.6 | 85.3 | 85.3 | 5.6 | 5.6 | 6.7 | 7.9 | 10 | 11 | 85 | 86 | 84 | 86 | <0.2 | <0.2 | 1.4 | 1.3 | | | |
| | | | | | | 3.7 | 0.3 | 128 | 28.0 | 8.1 | 8.1 | 31.6 | 31.6 | 85.3 | 85.3 | 5.6 | 5.6 | 6.4 | 7.9 | 10 | 11 | 86 | 86 | 84 | 86 | <0.2 | <0.2 | 1.3 | 1.0 | | | |
| | | | | | Bottom | 6.3 | 0.3 | 178 | 28.0 | 8.1 | 8.1 | 31.9 | 31.9 | 86.0 | 86.1 | 5.6 | 5.6 | 11.7 | 5.6 | 5.6 | 11 | 8 | 90 | 92 | 84 | 86 | <0.2 | <0.2 | 1.0 | 1.2 | | |
| | | | | | | 6.3 | 0.3 | 182 | 28.0 | 8.1 | 8.1 | 31.9 | 31.9 | 86.2 | 86.1 | 5.6 | 5.6 | 11.6 | 5.6 | 5.6 | 12 | 8 | 92 | 92 | 84 | 86 | <0.2 | <0.2 | 1.2 | 1.2 | | |
| IM5 | Fine | Moderate | 13:55 | 6.9 | Surface | 1.0 | 0.3 | 84 | 28.0 | 8.0 | 8.0 | 29.8 | 29.8 | 83.8 | 83.8 | 5.5 | 5.5 | 8.4 | 14.7 | 14 | 18 | 81 | 83 | 820553 | 804925 | <0.2 | <0.2 | 1.4 | 1.5 | | | |
| | | | | | | 1.0 | 0.3 | 84 | 28.0 | 8.0 | 8.0 | 29.8 | 29.8 | 83.8 | 83.8 | 5.5 | 5.5 | 8.5 | 14.7 | 12 | 18 | 77 | 82 | 82 | 83 | <0.2 | <0.2 | 1.8 | 1.4 | | | |
| | | | | | Middle | 3.5 | 0.3 | 62 | 28.0 | 8.1 | 8.1 | 31.0 | 31.0 | 83.3 | 83.3 | 5.5 | 5.5 | 13.6 | 5.5 | 5.5 | 17 | 18 | 82 | 84 | 82 | 83 | <0.2 | <0.2 | 1.4 | 1.4 | | |
| | | | | | | 3.5 | 0.3 | 64 | 28.0 | 8.1 | 8.1 | 31.0 | 31.0 | 83.3 | 83.3 | 5.5 | 5.5 | 13.9 | 5.5 | 5.5 | 17 | 18 | 84 | 87 | 82 | 83 | <0.2 | <0.2 | 1.4 | 1.3 | | |
| | | | | | Bottom | 5.9 | 0.3 | 90 | 28.0 | 8.1 | 8.1 | 31.6 | 31.6 | 83.7 | 84.3 | 5.5 | 5.6 | 21.3 | 5.5 | 5.6 | 23 | 18 | 87 | 86 | 82 | 83 | <0.2 | <0.2 | 1.3 | 1.6 | | |
| | | | | | | 5.9 | 0.3 | 92 | 28.0 | 8.1 | 8.1 | 31.5 | 31.6 | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 20 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|------|-----------------|----|-------------------------|----|------------------------|----|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|-----|-----|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Calm | 14:09 | 7.8 | Surface | 1.0 | 0.6 | 94 | 26.3 | 8.1 | 8.1 | 27.2 | 27.2 | 83.7 | 83.7 | 5.8 | 5.8 | 6.0 | 5.8 | 5 | 6 | 86 | 84 | 89 | 89 | 822084 | 808822 | <0.2 | <0.2 | 2.1 | 1.7 | | | |
| | | | | | | 1.0 | 0.7 | 96 | 26.3 | 8.1 | 8.1 | 27.2 | 27.2 | 83.7 | 83.7 | 5.8 | 5.8 | 6.1 | 6 | 6 | 6 | 6 | 86 | 84 | 89 | 89 | 822084 | 808822 | <0.2 | <0.2 | 1.3 | 1.6 | | |
| | | | | | Middle | 3.9 | 0.7 | 96 | 26.3 | 8.1 | 8.1 | 27.3 | 27.3 | 84.5 | 84.5 | 5.8 | 5.8 | 6.7 | 7.1 | 6 | 6 | 6 | 6 | 90 | 89 | 89 | 89 | 822084 | 808822 | <0.2 | <0.2 | 1.6 | 1.7 | |
| | | | | | | 3.9 | 0.8 | 104 | 26.3 | 8.1 | 8.1 | 27.2 | 27.3 | 84.5 | 84.5 | 5.9 | 5.9 | 6.7 | 7.1 | 8 | 6 | 6 | 6 | 89 | 89 | 89 | 89 | 822084 | 808822 | <0.2 | <0.2 | 1.7 | 1.4 | |
| | | | | | Bottom | 6.8 | 0.5 | 101 | 26.1 | 8.1 | 8.1 | 29.4 | 29.4 | 85.6 | 85.7 | 5.9 | 5.9 | 8.4 | 5.9 | 6 | 6 | 6 | 6 | 92 | 92 | 89 | 89 | 822084 | 808822 | <0.2 | <0.2 | 1.7 | 1.4 | |
| | | | | | | 6.8 | 0.5 | 102 | 26.1 | 8.1 | 8.1 | 29.4 | 29.4 | 85.7 | 85.7 | 5.9 | 5.9 | 8.5 | 5.9 | 6 | 6 | 6 | 6 | 92 | 92 | 89 | 89 | 822084 | 808822 | <0.2 | <0.2 | 1.7 | 1.4 | |
| IM10 | Cloudy | Calm | 14:16 | 8.5 | Surface | 1.0 | 0.5 | 105 | 26.5 | 8.1 | 8.1 | 28.0 | 28.0 | 82.5 | 82.5 | 5.7 | 5.7 | 8.2 | 5.7 | 7 | 6 | 83 | 84 | 89 | 89 | 822239 | 809851 | <0.2 | <0.2 | 1.6 | 1.7 | | | |
| | | | | | | 1.0 | 0.5 | 114 | 26.5 | 8.1 | 8.1 | 28.0 | 28.0 | 82.4 | 82.5 | 5.7 | 5.7 | 8.5 | 5.7 | 7 | 6 | 84 | 84 | 89 | 89 | 822239 | 809851 | <0.2 | <0.2 | 1.7 | 1.6 | | | |
| | | | | | Middle | 4.3 | 0.5 | 87 | 26.3 | 8.1 | 8.1 | 28.1 | 28.1 | 82.4 | 82.4 | 5.7 | 5.7 | 13.3 | 15.8 | 8 | 12 | 8 | 12 | 91 | 89 | 89 | 89 | 822239 | 809851 | <0.2 | <0.2 | 1.6 | 1.7 | |
| | | | | | | 4.3 | 0.5 | 94 | 26.3 | 8.1 | 8.1 | 28.1 | 28.1 | 82.4 | 82.4 | 5.7 | 5.7 | 13.6 | 15.8 | 9 | 12 | 9 | 12 | 89 | 89 | 89 | 89 | 822239 | 809851 | <0.2 | <0.2 | 2.1 | 1.6 | |
| | | | | | Bottom | 7.5 | 0.5 | 96 | 26.1 | 8.1 | 8.1 | 29.6 | 29.6 | 82.7 | 82.8 | 5.7 | 5.7 | 25.5 | 5.7 | 21 | 20 | 21 | 20 | 92 | 92 | 89 | 89 | 822239 | 809851 | <0.2 | <0.2 | 1.6 | 1.6 | |
| | | | | | | 7.5 | 0.5 | 99 | 26.1 | 8.1 | 8.1 | 29.6 | 29.6 | 82.9 | 82.8 | 5.7 | 5.7 | 25.7 | 5.7 | 20 | 20 | 20 | 20 | 92 | 92 | 89 | 89 | 822239 | 809851 | <0.2 | <0.2 | 1.6 | 1.6 | |
| IM11 | Cloudy | Calm | 14:22 | 8.9 | Surface | 1.0 | 0.5 | 108 | 26.5 | 8.1 | 8.1 | 28.2 | 28.3 | 79.8 | 79.8 | 5.5 | 5.5 | 9.4 | 5.5 | 5 | 5 | 84 | 83 | 88 | 88 | 821499 | 810561 | <0.2 | <0.2 | 2.0 | 1.8 | | | |
| | | | | | | 1.0 | 0.5 | 109 | 26.5 | 8.1 | 8.1 | 28.3 | 28.3 | 79.8 | 79.8 | 5.5 | 5.5 | 9.5 | 5.5 | 5 | 5 | 83 | 83 | 88 | 88 | 821499 | 810561 | <0.2 | <0.2 | 1.8 | 1.7 | | | |
| | | | | | Middle | 4.5 | 0.5 | 114 | 26.2 | 8.1 | 8.1 | 28.6 | 28.6 | 82.5 | 82.6 | 5.7 | 5.7 | 14.4 | 13.6 | 11 | 13 | 11 | 13 | 89 | 89 | 88 | 88 | 821499 | 810561 | <0.2 | <0.2 | 1.5 | 1.6 | |
| | | | | | | 4.5 | 0.5 | 116 | 26.2 | 8.1 | 8.1 | 28.6 | 28.6 | 82.7 | 82.6 | 5.7 | 5.7 | 14.6 | 13.6 | 10 | 13 | 10 | 13 | 90 | 90 | 88 | 88 | 821499 | 810561 | <0.2 | <0.2 | 1.6 | 1.7 | |
| | | | | | Bottom | 7.9 | 0.5 | 114 | 26.2 | 8.1 | 8.1 | 29.1 | 29.1 | 89.0 | 89.0 | 6.1 | 6.1 | 16.9 | 6.1 | 22 | 22 | 22 | 22 | 91 | 92 | 88 | 88 | 821499 | 810561 | <0.2 | <0.2 | 1.7 | 1.3 | |
| | | | | | | 7.9 | 0.5 | 125 | 26.2 | 8.1 | 8.1 | 29.1 | 29.1 | 89.0 | 89.0 | 6.1 | 6.1 | 16.6 | 6.1 | 22 | 22 | 22 | 22 | 92 | 92 | 88 | 88 | 821499 | 810561 | <0.2 | <0.2 | 1.7 | 1.3 | |
| IM12 | Cloudy | Calm | 14:29 | 9.9 | Surface | 1.0 | 0.6 | 94 | 26.5 | 8.0 | 8.0 | 27.6 | 27.6 | 78.6 | 78.6 | 5.4 | 5.4 | 6.8 | 5.4 | 7 | 7 | 83 | 85 | 89 | 89 | 821158 | 811499 | <0.2 | <0.2 | 2.1 | 1.9 | | | |
| | | | | | | 1.0 | 0.7 | 96 | 26.5 | 8.0 | 8.0 | 27.6 | 27.6 | 78.5 | 78.6 | 5.4 | 5.4 | 6.7 | 5.4 | 7 | 7 | 85 | 85 | 89 | 89 | 821158 | 811499 | <0.2 | <0.2 | 1.9 | 1.7 | | | |
| | | | | | Middle | 5.0 | 0.7 | 97 | 26.3 | 8.0 | 8.0 | 28.1 | 28.1 | 77.7 | 77.8 | 5.4 | 5.4 | 7.8 | 8.3 | 9 | 8 | 9 | 8 | 91 | 90 | 89 | 89 | 821158 | 811499 | <0.2 | <0.2 | 1.8 | 1.7 | |
| | | | | | | 5.0 | 0.7 | 99 | 26.3 | 8.0 | 8.0 | 28.1 | 28.1 | 77.8 | 77.8 | 5.4 | 5.4 | 8.1 | 8.3 | 7 | 8 | 7 | 8 | 90 | 90 | 89 | 89 | 821158 | 811499 | <0.2 | <0.2 | 1.7 | 1.9 | |
| | | | | | Bottom | 8.9 | 0.5 | 101 | 26.2 | 8.1 | 8.1 | 28.8 | 28.8 | 79.1 | 79.5 | 5.4 | 5.4 | 10.1 | 5.5 | 8 | 8 | 8 | 8 | 93 | 92 | 89 | 89 | 821158 | 811499 | <0.2 | <0.2 | 2.0 | 1.9 | |
| | | | | | | 8.9 | 0.5 | 107 | 26.2 | 8.0 | 8.1 | 28.8 | 28.8 | 79.8 | 79.5 | 5.5 | 5.5 | 10.2 | 5.5 | 8 | 8 | 8 | 8 | 92 | 92 | 89 | 89 | 821158 | 811499 | <0.2 | <0.2 | 1.9 | 1.9 | |
| SR2 | Cloudy | Calm | 14:49 | 4.6 | Surface | 1.0 | 0.5 | 89 | 26.3 | 8.0 | 8.0 | 28.7 | 28.7 | 77.7 | 77.7 | 5.3 | 5.3 | 7.8 | 5.3 | 6 | 5 | 84 | 83 | 87 | 87 | 821447 | 814172 | <0.2 | <0.2 | 2.0 | 1.8 | | | |
| | | | | | | 1.0 | 0.6 | 94 | 26.3 | 8.0 | 8.0 | 28.6 | 28.7 | 77.7 | 77.7 | 5.3 | 5.3 | 8.1 | 5.3 | 5 | 8 | 5 | 8 | 83 | 83 | 87 | 87 | 821447 | 814172 | <0.2 | <0.2 | 1.8 | 1.9 | |
| | | | | | Middle | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | | | | | Bottom | 3.6 | 0.4 | 100 | 26.2 | 8.0 | 8.0 | 29.1 | 29.1 | 79.9 | 80.0 | 5.5 | 5.5 | 10.2 | 5.5 | 10 | 10 | 10 | 10 | 89 | 91 | 87 | 87 | 821447 | 814172 | <0.2 | <0.2 | 1.8 | 1.8 | |
| | | | | | | 3.6 | 0.4 | 101 | 26.2 | 8.0 | 8.0 | 29.1 | 29.1 | 80.0 | 80.0 | 5.5 | 5.5 | 10.3 | 5.5 | 10 | 10 | 10 | 10 | 91 | 91 | 87 | 87 | 821447 | 814172 | <0.2 | <0.2 | 1.8 | 1.8 | |
| SR3 | Cloudy | Calm | 13:56 | 9.7 | Surface | 1.0 | 0.4 | 165 | 26.3 | 8.0 | 8.0 | 25.3 | 25.3 | 82.1 | 82.2 | 5.7 | 5.7 | 5.2 | 5.7 | 6 | 6 | - | - | - | - | 822149 | 807570 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.4 | 166 | 26.3 | 8.0 | 8.0 | 25.3 | 25.3 | 82.2 | 82.2 | 5.8 | 5.8 | 5.2 | 5.7 | 6 | 7 | 6 | 7 | - | - | - | - | 822149 | 807570 | - | - | - | - | |
| | | | | | Middle | 4.9 | 0.4 | 103 | 26.3 | 8.1 | 8.1 | 26.7 | 26.7 | 84.9 | 84.9 | 5.9 | 5.9 | 5.1 | 5.4 | 6 | 7 | 6 | 7 | - | - | - | - | 822149 | 807570 | - | - | - | - | |
| | | | | | | 4.9 | 0.4 | 113 | 26.3 | 8.1 | 8.1 | 26.7 | 26.7 | 84.9 | 84.9 | 5.9 | 5.9 | 5.2 | 5.4 | 7 | 7 | 7 | 7 | - | - | - | - | 822149 | 807570 | - | - | - | - | |
| | | | | | Bottom | 8.7 | 0.5 | 79 | 26.1 | 8.1 | 8.1 | 28.4 | 28.4 | 85.7 | 85.8 | 5.9 | 5.9 | 5.9 | 5.9 | 7 | 7 | 7 | 7 | - | - | - | - | 822149 | 807570 | - | - | - | - | |
| | | | | | | 8.7 | 0.5 | 84 | 26.1 | 8.1 | 8.1 | 28.4 | 28.4 | 85.8 | 85.8 | 5.9 | 5.9 | 5.9 | 5.9 | 8 | 8 | 8 | 8 | - | - | - | - | 822149 | 807570 | - | - | - | - | |
| SR4A | Fine | Calm | 15:11 | 8.3 | Surface | 1.0 | 0.4 | 84 | 28.1 | 8.0 | 8.0 | 30.5 | 30.5 | 86.7 | 86.7 | 5.7 | 5.7 | 6.7 | 5.7 | 8 | 10 | - | - | - | - | 817170 | 807829 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.4 | 89 | 28.1 | 8.0 | 8.0 | 30.5 | 30.5 | 86.7 | 86.7 | 5.7 | 5.7 | 7.1 | 5.7 | 10 | 11 | 10 | 11 | - | - | - | - | 817170 | 807829 | - | - | - | - | |
| | | | | | Middle | 4.2 | 0.4 | 83 | 28.1 | 8.1 | 8.1 | 30.5 | 30.5 | 86.2 | 86.2 | 5.7 | 5.7 | 9.8 | 5.7 | 10 | 11 | 10 | 11 | - | - | - | - | 817170 | 807829 | - | - | - | - | |
| | | | | | | 4.2 | 0.4 | 84 | 28.1 | 8.1 | 8.1 | 30.5 | 30.5 | 86.2 | 86.2 | 5.7 | 5.7 | 10.0 | 5.7 | 10 | 11 | 10 | 11 | - | - | - | - | 817170 | 807829 | - | - | - | - | |
| | | | | | Bottom | 7.3 | 0.4 | 91 | 28.0 | 8.1 | 8.1 | 31.6 | 31.6 | 86.2 | 86.2 | 5.7 | 5.7 | 17.5 | 5.7 | 13 | 12 | 13 | 12 | - | - | - | - | 817170 | 807829 | - | - | - | - | |
| | | | | | | 7.3 | 0.4 | 95 | 28.0 | 8.1 | 8.1 | 31.6 | 31.6 | 86.2 | 86.2 | 5.7 | 5.7 | 17.2 | 5.7 | 12 | 12 | 12 | 12 | - | - | - | - | 817170 | 807829 | - | - | - | - | |
| SR5A | Fine | Calm | 15:27 | 4.3 | Surface | 1.0 | 0.1 | 146 | 28.5 | 7.9 | 7.9 | 28.0 | 28.0 | 79.9 | 80.0 | 5.3 | 5.3 | 5.6 | 5.3 | 6 | 6 | - | - | - | - | 816579 | 810687 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.1 | 152 | 28.5 | 7.9 | 7.9 | 28.0 | 28.0 | 80.1 | 80.1 | 5.3 | 5.3 | 5.6 | 5.3 | 6 | 6 | 6 | 6 | - | - | - | - | 816579 | 810687 | - | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 22 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|-------------------------|-----|----------------|------|-------------------------|----|------------------------|--------|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Fine | Calm | 10:56 | 8.3 | Surface | 1.0 | 0.5 | 43 | 28.3 | 28.3 | 8.0 | 8.0 | 29.8 | 29.8 | 87.7 | 87.7 | 5.8 | 5.8 | 3.5 | 13.8 | 6 | 9 | 80 | 87 | 815600 | 804258 | <0.2 | <0.2 | 1.8 | 1.8 | | | | |
| | | | | | | 1.0 | 0.6 | 44 | 28.3 | 28.3 | 8.0 | 8.0 | 29.7 | 29.7 | 87.7 | 87.7 | 5.8 | 5.8 | 3.6 | 10.3 | 6 | 9 | 80 | 87 | 815600 | 804258 | <0.2 | <0.2 | 1.7 | 1.8 | | | | |
| | | | | | | 4.2 | 0.6 | 44 | 28.2 | 28.2 | 8.0 | 8.0 | 30.1 | 30.1 | 87.7 | 87.7 | 5.8 | 5.8 | 10.3 | 8 | 6 | 9 | 87 | 88 | 815600 | 804258 | <0.2 | <0.2 | 2.0 | 1.8 | | | | |
| | | | | | Middle | 4.2 | 0.6 | 47 | 28.2 | 28.2 | 8.0 | 8.0 | 30.1 | 30.1 | 87.7 | 87.7 | 5.8 | 5.8 | 10.3 | 8 | 6 | 9 | 87 | 88 | 815600 | 804258 | <0.2 | <0.2 | 1.8 | 1.8 | | | | |
| | | | | | | 7.3 | 0.5 | 51 | 28.2 | 28.2 | 8.0 | 8.0 | 30.5 | 30.5 | 87.7 | 87.7 | 5.8 | 5.8 | 27.3 | 13 | 6 | 9 | 93 | 94 | 815600 | 804258 | <0.2 | <0.2 | 1.5 | 1.7 | | | | |
| | | | | | | 7.3 | 0.5 | 53 | 28.2 | 28.2 | 8.0 | 8.0 | 30.5 | 30.5 | 87.7 | 87.7 | 5.8 | 5.8 | 27.5 | 14 | 6 | 9 | 94 | 94 | 815600 | 804258 | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| C2 | Cloudy | Moderate | 12:26 | 12.2 | Surface | 1.0 | 0.5 | 259 | 26.7 | 26.7 | 7.8 | 7.8 | 24.0 | 24.0 | 77.8 | 77.8 | 5.5 | 5.2 | 4.0 | 17.6 | 6 | 17 | 85 | 90 | 825669 | 806938 | <0.2 | <0.2 | 2.9 | 2.4 | | | | |
| | | | | | | 1.0 | 0.6 | 266 | 26.7 | 26.7 | 7.8 | 7.9 | 24.0 | 28.0 | 77.7 | 72.0 | 5.4 | 5.0 | 4.0 | 12.5 | 7 | 17 | 86 | 90 | 825669 | 806938 | <0.2 | <0.2 | 2.6 | 2.4 | | | | |
| | | | | | | 6.1 | 0.6 | 265 | 26.2 | 26.2 | 7.9 | 7.9 | 28.0 | 28.0 | 72.0 | 72.0 | 5.0 | 5.0 | 12.6 | 10 | 7 | 17 | 89 | 89 | 825669 | 806938 | <0.2 | <0.2 | 2.2 | 2.2 | | | | |
| | | | | | Middle | 6.1 | 0.6 | 287 | 26.2 | 26.2 | 7.9 | 7.9 | 28.0 | 28.0 | 72.0 | 72.0 | 5.0 | 5.0 | 12.6 | 10 | 7 | 17 | 89 | 89 | 825669 | 806938 | <0.2 | <0.2 | 2.2 | 2.2 | | | | |
| | | | | | | 11.2 | 0.5 | 270 | 26.2 | 26.2 | 7.9 | 7.9 | 29.7 | 29.7 | 71.7 | 71.8 | 4.9 | 4.9 | 36.2 | 37 | 7 | 17 | 94 | 94 | 825669 | 806938 | <0.2 | <0.2 | 2.2 | 2.0 | | | | |
| | | | | | | 11.2 | 0.5 | 275 | 26.2 | 26.2 | 7.9 | 7.9 | 29.7 | 29.7 | 71.8 | 71.8 | 4.9 | 4.9 | 36.0 | 35 | 7 | 17 | 93 | 93 | 825669 | 806938 | <0.2 | <0.2 | 2.0 | 2.0 | | | | |
| C3 | Cloudy | Calm | 10:33 | 11.5 | Surface | 1.0 | 0.4 | 254 | 26.3 | 26.3 | 7.9 | 7.9 | 29.3 | 29.3 | 80.9 | 80.9 | 5.5 | 5.4 | 4.1 | 9.9 | 7 | 12 | 88 | 93 | 822128 | 817795 | <0.2 | <0.2 | 1.5 | 1.7 | | | | |
| | | | | | | 1.0 | 0.4 | 257 | 26.3 | 26.3 | 7.9 | 7.9 | 29.3 | 29.3 | 80.8 | 80.9 | 5.5 | 5.4 | 4.2 | 7 | 12 | 87 | 93 | 822128 | 817795 | <0.2 | <0.2 | 1.9 | 1.7 | | | | | |
| | | | | | | 5.8 | 0.3 | 165 | 26.1 | 26.1 | 7.9 | 7.9 | 29.8 | 29.8 | 75.4 | 75.4 | 5.2 | 5.2 | 7.2 | 7 | 12 | 93 | 92 | 822128 | 817795 | <0.2 | <0.2 | 1.8 | 1.6 | | | | | |
| | | | | | Middle | 5.8 | 0.3 | 176 | 26.1 | 26.1 | 7.9 | 7.9 | 29.8 | 29.8 | 75.4 | 75.4 | 5.2 | 5.2 | 7.3 | 7 | 12 | 92 | 92 | 822128 | 817795 | <0.2 | <0.2 | 1.6 | 1.6 | | | | | |
| | | | | | | 10.5 | 0.3 | 214 | 26.0 | 26.0 | 7.9 | 7.9 | 30.4 | 30.4 | 74.8 | 74.8 | 5.1 | 5.1 | 18.2 | 22 | 7 | 12 | 93 | 93 | 822128 | 817795 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | | 10.5 | 0.3 | 217 | 26.0 | 26.0 | 7.9 | 7.9 | 30.4 | 30.4 | 74.8 | 74.8 | 5.1 | 5.1 | 18.2 | 20 | 7 | 12 | 93 | 93 | 822128 | 817795 | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| IM1 | Fine | Calm | 11:18 | 7.8 | Surface | 1.0 | 0.4 | 104 | 28.5 | 28.5 | 7.9 | 7.9 | 27.1 | 27.1 | 84.4 | 84.4 | 5.6 | 5.6 | 3.5 | 14.0 | 4 | 9 | 73 | 75 | 818354 | 806451 | <0.2 | <0.2 | 2.2 | 2.2 | | | | |
| | | | | | | 1.0 | 0.4 | 104 | 28.5 | 28.5 | 7.9 | 7.9 | 27.1 | 27.1 | 84.4 | 84.4 | 5.6 | 5.6 | 3.5 | 5 | 9 | 75 | 75 | 818354 | 806451 | <0.2 | <0.2 | 1.9 | 2.2 | | | | | |
| | | | | | | 3.9 | 0.5 | 29 | 28.3 | 28.3 | 8.0 | 8.0 | 29.8 | 29.8 | 85.3 | 85.3 | 5.6 | 5.6 | 14.7 | 7 | 9 | 80 | 80 | 818354 | 806451 | <0.2 | <0.2 | 2.5 | 2.2 | | | | | |
| | | | | | Middle | 3.9 | 0.5 | 29 | 28.3 | 28.3 | 8.0 | 8.0 | 29.8 | 29.8 | 85.3 | 85.3 | 5.6 | 5.6 | 14.7 | 6 | 9 | 78 | 80 | 818354 | 806451 | <0.2 | <0.2 | 1.7 | 2.2 | | | | | |
| | | | | | | 6.8 | 0.4 | 90 | 28.3 | 28.3 | 8.0 | 8.0 | 30.2 | 30.2 | 84.9 | 84.9 | 5.6 | 5.6 | 24.3 | 16 | 9 | 82 | 82 | 818354 | 806451 | <0.2 | <0.2 | 2.5 | 2.2 | | | | | |
| | | | | | | 6.8 | 0.4 | 95 | 28.3 | 28.3 | 8.0 | 8.0 | 30.2 | 30.2 | 84.9 | 84.9 | 5.6 | 5.6 | 23.0 | 15 | 9 | 85 | 85 | 818354 | 806451 | <0.2 | <0.2 | 2.6 | 2.2 | | | | | |
| IM2 | Fine | Calm | 11:24 | 7.6 | Surface | 1.0 | 0.4 | 34 | 28.4 | 28.4 | 7.9 | 7.9 | 27.5 | 27.5 | 83.9 | 83.9 | 5.6 | 5.6 | 3.8 | 12.8 | 7 | 11 | 76 | 73 | 818855 | 806197 | <0.2 | <0.2 | 2.4 | 2.3 | | | | |
| | | | | | | 1.0 | 0.4 | 36 | 28.4 | 28.4 | 7.9 | 7.9 | 27.5 | 27.5 | 83.9 | 83.9 | 5.6 | 5.6 | 3.8 | 6 | 11 | 73 | 80 | 818855 | 806197 | <0.2 | <0.2 | 2.6 | 2.3 | | | | | |
| | | | | | | 3.8 | 0.4 | 37 | 28.3 | 28.3 | 8.0 | 8.0 | 28.5 | 28.5 | 84.0 | 84.1 | 5.6 | 5.6 | 7.9 | 7 | 11 | 80 | 81 | 818855 | 806197 | <0.2 | <0.2 | 1.9 | 2.3 | | | | | |
| | | | | | Middle | 3.8 | 0.4 | 38 | 28.3 | 28.3 | 8.0 | 8.0 | 28.5 | 28.5 | 84.1 | 84.1 | 5.6 | 5.6 | 8.8 | 6 | 11 | 81 | 81 | 818855 | 806197 | <0.2 | <0.2 | 1.9 | 2.3 | | | | | |
| | | | | | | 6.6 | 0.3 | 46 | 28.3 | 28.3 | 8.0 | 8.0 | 29.8 | 29.8 | 84.2 | 84.3 | 5.6 | 5.6 | 27.3 | 20 | 11 | 87 | 87 | 818855 | 806197 | <0.2 | <0.2 | 2.4 | 2.3 | | | | | |
| | | | | | | 6.6 | 0.3 | 46 | 28.3 | 28.3 | 8.0 | 8.0 | 29.8 | 29.8 | 84.3 | 84.3 | 5.6 | 5.6 | 25.0 | 20 | 11 | 84 | 84 | 818855 | 806197 | <0.2 | <0.2 | 2.7 | 2.3 | | | | | |
| IM3 | Fine | Calm | 11:32 | 7.4 | Surface | 1.0 | 0.5 | 38 | 28.5 | 28.5 | 7.9 | 7.9 | 27.2 | 27.2 | 83.8 | 83.8 | 5.6 | 5.6 | 2.7 | 8.1 | 5 | 10 | 73 | 75 | 819395 | 806000 | <0.2 | <0.2 | 1.8 | 1.7 | | | | |
| | | | | | | 1.0 | 0.5 | 41 | 28.5 | 28.5 | 7.9 | 7.9 | 27.2 | 27.2 | 83.7 | 83.8 | 5.6 | 5.6 | 2.8 | 6 | 10 | 75 | 77 | 819395 | 806000 | <0.2 | <0.2 | 1.9 | 1.7 | | | | | |
| | | | | | | 3.7 | 0.5 | 34 | 28.3 | 28.3 | 8.0 | 8.0 | 28.5 | 28.5 | 82.6 | 82.7 | 5.5 | 5.5 | 6.6 | 6 | 10 | 77 | 80 | 819395 | 806000 | <0.2 | <0.2 | 1.8 | 1.7 | | | | | |
| | | | | | Middle | 3.7 | 0.5 | 34 | 28.3 | 28.3 | 8.0 | 8.0 | 28.4 | 28.5 | 82.7 | 82.7 | 5.5 | 5.5 | 6.9 | 6 | 10 | 80 | 80 | 819395 | 806000 | <0.2 | <0.2 | 1.7 | 1.7 | | | | | |
| | | | | | | 6.4 | 0.3 | 81 | 28.3 | 28.3 | 8.0 | 8.0 | 29.5 | 29.5 | 85.6 | 85.7 | 5.6 | 5.6 | 14.8 | 20 | 10 | 87 | 87 | 819395 | 806000 | <0.2 | <0.2 | 1.5 | 1.5 | | | | | |
| | | | | | | 6.4 | 0.3 | 83 | 28.3 | 28.3 | 8.0 | 8.0 | 29.5 | 29.5 | 85.7 | 85.7 | 5.6 | 5.6 | 14.8 | 18 | 10 | 87 | 87 | 819395 | 806000 | <0.2 | <0.2 | 1.4 | 1.4 | | | | | |
| IM4 | Fine | Calm | 11:39 | 7.9 | Surface | 1.0 | 0.4 | 160 | 28.4 | 28.4 | 7.9 | 7.9 | 27.4 | 27.4 | 83.1 | 83.1 | 5.5 | 5.5 | 3.4 | 9.8 | 7 | 10 | 71 | 73 | 819575 | 805020 | <0.2 | <0.2 | 1.8 | 1.6 | | | | |
| | | | | | | 1.0 | 0.4 | 167 | 28.4 | 28.4 | 7.9 | 7.9 | 27.4 | 27.4 | 83.1 | 83.1 | 5.5 | 5.5 | 3.5 | 6 | 10 | 73 | 76 | 819575 | 805020 | <0.2 | <0.2 | 1.8 | 1.6 | | | | | |
| | | | | | | 4.0 | 0.4 | 45 | 28.4 | 28.4 | 7.9 | 7.9 | 27.6 | 27.6 | 82.6 | 82.6 | 5.5 | 5.5 | 7.6 | 6 | 10 | 76 | 77 | 819575 | 805020 | <0.2 | <0.2 | 1.6 | 1.6 | | | | | |
| | | | | | Middle | 4.0 | 0.4 | 46 | 28.4 | 28.4 | 7.9 | 7.9 | 27.6 | 27.6 | 82.6 | 82.6 | 5.5 | 5.5 | 8.0 | 6 | 10 | 77 | 77 | 819575 | 805020 | <0.2 | <0.2 | 1.8 | 1.6 | | | | | |
| | | | | | | 6.9 | 0.3 | 62 | 28.3 | 28.3 | 8.0 | 8.0 | 29.1 | 29.1 | 82.8 | 82.9 | 5.5 | 5.5 | 17.9 | 15 | 10 | 85 | 85 | 819575 | 805020 | <0.2 | <0.2 | 1.3 | 1.3 | | | | | |
| | | | | | | 6.9 | 0.4 | 65 | 28.3 | 28.3 | 8.0 | 8.0 | 29.1 | 29.1 | 82.9 | 82.9 | 5.5 | 5.5 | 18.2 | 16 | 10 | 86 | 86 | 819575 | 805020 | <0.2 | <0.2 | 1.4 | 1.4 | | | | | |
| IM5 | Fine | Calm | 11:47 | 6.9 | Surface | 1.0 | 0.4 | 142 | 28.5 | 28.5 | 7.9 | 7.9 | 26.8 | 26.8 | 81.7 | 81.7 | 5.5 | 5.4 | 4.4 | 17.2 | 5 | 17 | 74 | 76 | 820572 | 804935 | <0.2 | <0.2 | 1.8 | 1.8 | | | | |
| | | | | | | 1.0 | 0.5 | 152 | 28.5 | 28.5 | 7.9 | 7.9 | 26.8 | 28.7 | 81.7 | 80.1 | 5.5 | 5.3 | 4.5 | 6 | 17 | 76 | 80 | 820572 | 804935 | <0.2 | <0.2 | 1.8 | 1.8 | | | | | |
| | | | | | | 3.5 | 0.4 | 85 | 28.3 | 28.3 | 8.0 | 8.0 | 28.7 | 28.7 | 80.1 | 80.1 | 5.3 | 5.3 | 16.7 | 6 | 17 | 80 | 83 | 820572 | 804935 | <0.2 | <0.2 | 2.0 | 1.8 | | | | | |
| | | | | | Middle | 3.5 | 0.4 | 92 | 28.3 | 28.3 | 8.0 | 8.0 | 28.7 | 28.7 | 80.1 | 80.1 | 5.3 | 5.3 | 16.8 | 6 | 17 | 83 | 86 | 820572 | 804935 | <0.2 | <0.2 | 2.0 | 1.8 | | | | | |
| | | | | | | 5.9 | 0.4 | 80 | 28.3 | 28.3 | | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 22 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|-----|-------------------------|-----|------------------------|----|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|-----|-------|----|------|------|-----|-----|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Moderate | 11:41 | 7.1 | Surface | 1.0 | 0.5 | 259 | 26.5 | 26.5 | 7.9 | 7.9 | 26.5 | 26.5 | 81.1 | 81.1 | 5.6 | 5.6 | 3.1 | 5.6 | 4 | 4 | 86 | 86 | 89 | 89 | 822078 | 808791 | <0.2 | <0.2 | 2.0 | 2.0 | | | | | | | |
| | | | | | | 1.0 | 0.5 | 262 | 26.5 | 26.5 | 7.9 | 7.9 | 26.5 | 26.5 | 81.0 | 81.1 | 5.6 | 5.6 | 3.1 | 5.6 | 3 | 4 | 86 | 86 | 89 | 89 | | | | | | | | | | | | | |
| | | | | | Middle | 3.6 | 0.4 | 275 | 26.5 | 26.5 | 7.9 | 7.9 | 26.5 | 26.5 | 79.7 | 79.7 | 5.5 | 5.5 | 3.6 | 4.8 | 2 | 4 | 89 | 89 | 90 | 90 | | | | | | | 89 | 89 | <0.2 | <0.2 | 2.0 | 2.0 | |
| | | | | | | 3.6 | 0.4 | 301 | 26.5 | 26.5 | 7.9 | 7.9 | 26.5 | 26.5 | 79.7 | 79.7 | 5.5 | 5.5 | 3.6 | 4.8 | 3 | 4 | 89 | 89 | 90 | 90 | | | | | | | 89 | 89 | <0.2 | <0.2 | 2.0 | 2.0 | |
| | | | | | Bottom | 6.1 | 0.4 | 233 | 26.3 | 26.3 | 7.9 | 7.9 | 27.6 | 27.6 | 80.8 | 80.9 | 5.6 | 5.6 | 7.7 | 5.6 | 5 | 6 | 92 | 92 | 92 | 92 | | | | | | | 92 | 92 | <0.2 | <0.2 | 1.7 | 2.0 | |
| | | | | | | 6.1 | 0.4 | 255 | 26.3 | 26.3 | 7.9 | 7.9 | 27.6 | 27.6 | 80.9 | 80.9 | 5.6 | 5.6 | 7.8 | 5.6 | 6 | 6 | 92 | 92 | 92 | 92 | | | | | | | 92 | 92 | <0.2 | <0.2 | 1.7 | 2.0 | |
| IM10 | Cloudy | Moderate | 11:32 | 7.6 | Surface | 1.0 | 0.6 | 286 | 26.5 | 26.5 | 7.9 | 7.9 | 27.5 | 27.5 | 82.4 | 82.4 | 5.7 | 5.7 | 4.2 | 5.7 | 3 | 9 | 86 | 87 | 89 | 90 | 822248 | 809849 | <0.2 | <0.2 | 1.7 | 1.7 | | | | | | | |
| | | | | | | 1.0 | 0.6 | 305 | 26.5 | 26.5 | 7.9 | 7.9 | 27.5 | 27.5 | 82.3 | 82.4 | 5.7 | 5.7 | 4.8 | 5.7 | 4 | 9 | 87 | 87 | 89 | 90 | | | | | | | | | | | | | |
| | | | | | Middle | 3.8 | 0.6 | 293 | 26.3 | 26.3 | 7.9 | 7.9 | 28.4 | 28.4 | 81.6 | 81.7 | 5.6 | 5.6 | 10.2 | 5.7 | 4 | 9 | 89 | 89 | 90 | 90 | | | | | | | 89 | 89 | <0.2 | <0.2 | 1.7 | 1.7 | |
| | | | | | | 3.8 | 0.6 | 312 | 26.3 | 26.3 | 7.9 | 7.9 | 28.3 | 28.4 | 81.7 | 81.7 | 5.6 | 5.6 | 10.7 | 5.7 | 5 | 9 | 89 | 89 | 90 | 90 | | | | | | | 89 | 89 | <0.2 | <0.2 | 1.7 | 1.7 | |
| | | | | | Bottom | 6.6 | 0.5 | 294 | 26.2 | 26.2 | 8.0 | 8.0 | 28.6 | 28.6 | 82.6 | 82.8 | 5.7 | 5.7 | 18.3 | 5.7 | 17 | 5.7 | 17.8 | 17 | 93 | 93 | | | | | | | 92 | 92 | <0.2 | <0.2 | 1.5 | 1.5 | |
| | | | | | | 6.6 | 0.6 | 315 | 26.2 | 26.2 | 8.0 | 8.0 | 28.6 | 28.6 | 82.9 | 82.8 | 5.7 | 5.7 | 17.8 | 5.7 | 18 | 5.7 | 17.8 | 18 | 92 | 92 | | | | | | | 92 | 92 | <0.2 | <0.2 | 1.5 | 1.5 | |
| IM11 | Cloudy | Moderate | 11:24 | 8.2 | Surface | 1.0 | 0.5 | 282 | 26.5 | 26.5 | 7.9 | 7.9 | 27.6 | 27.6 | 82.6 | 82.6 | 5.7 | 5.7 | 3.9 | 5.7 | 4 | 8 | 86 | 86 | 90 | 91 | 821484 | 810552 | <0.2 | <0.2 | 1.7 | 1.7 | | | | | | | |
| | | | | | | 1.0 | 0.5 | 282 | 26.5 | 26.5 | 7.9 | 7.9 | 27.6 | 27.6 | 82.6 | 82.6 | 5.7 | 5.7 | 4.1 | 5.7 | 3 | 8 | 86 | 86 | 90 | 91 | | | | | | | | | | | | | |
| | | | | | Middle | 4.1 | 0.4 | 277 | 26.2 | 26.2 | 8.0 | 8.0 | 28.5 | 28.5 | 82.6 | 82.6 | 5.7 | 5.7 | 8.6 | 5.7 | 7 | 8 | 90 | 90 | 91 | 91 | | | | | | | 90 | 90 | <0.2 | <0.2 | 1.7 | 1.7 | |
| | | | | | | 4.1 | 0.4 | 283 | 26.2 | 26.2 | 8.0 | 8.0 | 28.5 | 28.5 | 82.6 | 82.6 | 5.7 | 5.7 | 8.9 | 5.7 | 6 | 8 | 91 | 91 | 91 | 91 | | | | | | | 90 | 90 | <0.2 | <0.2 | 1.7 | 1.7 | |
| | | | | | Bottom | 7.2 | 0.4 | 271 | 26.2 | 26.2 | 8.0 | 8.0 | 29.2 | 29.2 | 84.6 | 84.6 | 5.8 | 5.8 | 16.0 | 5.8 | 13 | 5.8 | 13 | 13 | 92 | 92 | | | | | | | 93 | 93 | <0.2 | <0.2 | 1.6 | 1.7 | |
| | | | | | | 7.2 | 0.4 | 284 | 26.2 | 26.2 | 8.0 | 8.0 | 29.2 | 29.2 | 84.6 | 84.6 | 5.8 | 5.8 | 15.9 | 5.8 | 13 | 5.8 | 13 | 13 | 92 | 92 | | | | | | | 93 | 93 | <0.2 | <0.2 | 1.6 | 1.7 | |
| IM12 | Cloudy | Moderate | 11:17 | 8.0 | Surface | 1.0 | 0.6 | 275 | 26.5 | 26.5 | 7.9 | 7.9 | 27.7 | 27.7 | 84.0 | 84.0 | 5.8 | 5.8 | 3.0 | 5.8 | 3 | 6 | 86 | 85 | 91 | 91 | 821160 | 811532 | <0.2 | <0.2 | 1.6 | 1.6 | | | | | | | |
| | | | | | | 1.0 | 0.6 | 294 | 26.5 | 26.5 | 7.9 | 7.9 | 27.7 | 27.7 | 84.0 | 84.0 | 5.8 | 5.8 | 3.0 | 5.8 | 4 | 6 | 85 | 85 | 91 | 91 | | | | | | | | | | | | | |
| | | | | | Middle | 4.0 | 0.6 | 275 | 26.2 | 26.2 | 7.9 | 7.9 | 28.7 | 28.7 | 82.0 | 82.0 | 5.6 | 5.6 | 8.2 | 5.6 | 6 | 6 | 91 | 91 | 91 | 91 | | | | | | | 90 | 90 | <0.2 | <0.2 | 1.4 | 1.7 | |
| | | | | | | 4.0 | 0.7 | 292 | 26.2 | 26.2 | 7.9 | 7.9 | 28.7 | 28.7 | 81.9 | 82.0 | 5.6 | 5.6 | 8.5 | 5.6 | 4 | 6 | 91 | 91 | 91 | 91 | | | | | | | 90 | 90 | <0.2 | <0.2 | 1.4 | 1.7 | |
| | | | | | Bottom | 7.0 | 0.5 | 279 | 26.1 | 26.1 | 7.9 | 7.9 | 29.3 | 29.3 | 80.6 | 80.7 | 5.5 | 5.5 | 31.6 | 5.5 | 10 | 5.5 | 11 | 10 | 93 | 93 | | | | | | | 93 | 93 | <0.2 | <0.2 | 1.6 | 1.5 | |
| | | | | | | 7.0 | 0.5 | 297 | 26.1 | 26.1 | 7.9 | 7.9 | 29.3 | 29.3 | 80.7 | 80.7 | 5.5 | 5.5 | 31.1 | 5.5 | 11 | 5.5 | 11 | 11 | 93 | 93 | | | | | | | 93 | 93 | <0.2 | <0.2 | 1.5 | 1.5 | |
| SR2 | Cloudy | Moderate | 10:56 | 4.2 | Surface | 1.0 | 0.3 | 253 | 26.2 | 26.2 | 7.9 | 7.9 | 28.8 | 28.8 | 83.8 | 83.9 | 5.8 | 5.8 | 12.3 | 5.8 | 14 | 15 | 89 | 88 | 89 | 89 | 821474 | 814162 | <0.2 | <0.2 | 1.4 | 1.5 | | | | | | | |
| | | | | | | 1.0 | 0.3 | 273 | 26.2 | 26.2 | 7.9 | 7.9 | 28.8 | 28.8 | 83.9 | 83.9 | 5.8 | 5.8 | 11.6 | 5.8 | 15 | 5.8 | 15 | 88 | 88 | 89 | | | | | | | 89 | | | | | | |
| | | | | | Middle | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - |
| | | | | | | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - |
| | | | | | Bottom | 3.2 | 0.3 | 234 | 26.2 | 26.2 | 7.9 | 7.9 | 28.8 | 28.8 | 84.8 | 84.9 | 5.8 | 5.8 | 12.2 | 5.8 | 15 | 5.8 | 15 | 15 | 89 | 89 | | | | | | | 91 | 91 | <0.2 | <0.2 | 1.7 | 1.4 | |
| | | | | | | 3.2 | 0.3 | 236 | 26.2 | 26.2 | 7.9 | 7.9 | 28.8 | 28.8 | 84.9 | 84.9 | 5.8 | 5.8 | 12.3 | 5.8 | 15 | 5.8 | 15 | 15 | 89 | 89 | | | | | | | 91 | 91 | <0.2 | <0.2 | 1.4 | 1.4 | |
| SR3 | Cloudy | Moderate | 11:56 | 9.3 | Surface | 1.0 | 0.4 | 229 | 26.5 | 26.5 | 7.8 | 7.8 | 24.8 | 24.8 | 78.0 | 78.0 | 5.5 | 5.5 | 3.7 | 5.5 | 8 | 8 | - | - | - | - | 822138 | 807555 | - | - | - | - | | | | | | | |
| | | | | | | 1.0 | 0.4 | 238 | 26.5 | 26.5 | 7.8 | 7.8 | 24.8 | 24.8 | 77.9 | 78.0 | 5.5 | 5.5 | 3.5 | 5.5 | 7 | 5.5 | 7 | 8 | - | - | | | | | | | | | | | | | |
| | | | | | Middle | 4.7 | 0.4 | 226 | 26.3 | 26.3 | 7.9 | 7.9 | 26.8 | 26.8 | 76.0 | 76.0 | 5.3 | 5.3 | 5.2 | 5.3 | 8 | 5.3 | 8 | 8 | - | - | | | | | | | - | - | - | - | - | - | |
| | | | | | | 4.7 | 0.4 | 236 | 26.3 | 26.3 | 7.9 | 7.9 | 26.8 | 26.8 | 76.0 | 76.0 | 5.3 | 5.3 | 5.4 | 5.3 | 7 | 5.3 | 7 | 8 | - | - | | | | | | | - | - | - | - | - | | |
| | | | | | Bottom | 8.3 | 0.3 | 201 | 26.3 | 26.3 | 7.9 | 7.9 | 27.4 | 27.4 | 77.6 | 77.6 | 5.4 | 5.4 | 11.5 | 5.4 | 10 | 5.4 | 10 | 10 | - | - | | | | | | | - | - | - | - | - | - | |
| | | | | | | 8.3 | 0.4 | 213 | 26.3 | 26.3 | 7.9 | 7.9 | 27.4 | 27.4 | 77.6 | 77.6 | 5.4 | 5.4 | 11.5 | 5.4 | 9 | 5.4 | 9 | 10 | - | - | | | | | | | - | - | - | - | - | | |
| SR4A | Fine | Calm | 10:34 | 8.7 | Surface | 1.0 | 0.3 | 233 | 28.4 | 28.4 | 8.0 | 8.0 | 29.1 | 29.1 | 84.4 | 84.4 | 5.6 | 5.6 | 7.1 | 5.6 | 13 | 16 | - | - | - | - | 817172 | 807796 | - | - | - | - | | | | | | | |
| | | | | | | 1.0 | 0.3 | 249 | 28.4 | 28.4 | 8.0 | 8.0 | 29.1 | 29.1 | 84.4 | 84.4 | 5.6 | 5.6 | 7.4 | 5.6 | 13 | 5.6 | 13 | 16 | - | - | | | | | | | | | | | | | |
| | | | | | Middle | 4.4 | 0.2 | 248 | 28.4 | 28.4 | 8.0 | 8.0 | 29.2 | 29.2 | 84.1 | 84.2 | 5.6 | 5.6 | 9.8 | 5.6 | 15 | 5.6 | 15 | 16 | - | - | | | | | | | - | - | - | - | | | |
| | | | | | | 4.4 | 0.2 | 254 | 28.4 | 28.4 | 8.0 | 8.0 | 29.2 | 29.2 | 84.2 | 84.2 | 5.6 | 5.6 | 10.3 | 5.6 | 15 | 5.6 | 15 | 16 | - | - | | | | | | | - | - | - | - | | | |
| | | | | | Bottom | 7.7 | 0.2 | 247 | 28.4 | 28.4 | 8.0 | 8.0 | 29.3 | 29.3 | 84.0 | 84.0 | 5.5 | 5.5 | 12.1 | 5.5 | 18 | 5.5 | 18 | 16 | - | - | | | | | | | - | - | - | - | | | |
| | | | | | | 7.7 | 0.2 | 251 | 28.4 | 28.4 | 8.0 | 8.0 | 29.3 | 29.3 | 84.0 | 84.0 | 5.5 | 5.5 | 12.0 | 5.5 | 19 | 5.5 | 19 | 16 | - | - | | | | | | | - | - | - | - | | | |
| SR5A | Fine | Calm | 10:16 | 4.5 | Surface | 1.0 | 0.2 | 288 | 28.3 | 28.3 | 7.9 | 7.9 | 28.7 | 28.7 | 82.9 | 83.0 | 5.5 | 5.5 | 4.5 | 5.5 | 11 | 11 | - | - | - | - | 816603 | 810710 | - | - | - | - | | | | | | | |
| | | | | | | 1.0 | 0.3 | 296 | 28.3 | 28.3 | 7.9 | 7.9 | 28.7 | 28.7 | 83.0 | 83.0 | 5.5 | 5.5 | 4.7 | 5.5 | 11 | 5.5 | 11 | 11 | - | - | | | | | | | | | | | | | |
| | | | | | Middle | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | | |
| | | | | | | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | | | |
| | | | | | Bottom | 3.5 | 0.2 | 277 | 28.3 | 28.3 | 7.9 | 7.9 | 28.7 | 28.7 | 82.9 | 83.0 | 5.5 | 5.5 | 6.5 | 5.5 | 11 | 5.5 | 11 | 11 | - | - | | | | | | | - | - | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 22 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|-----|------------------------|----|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Fine | Calm | 16:32 | 8.1 | Surface | 1.0 | 0.2 | 158 | 28.4 | 28.4 | 8.0 | 8.0 | 28.9 | 28.9 | 94.4 | 94.4 | 6.2 | 6.1 | 1.8 | 4.2 | 6 | 6 | 82 | 89 | 815608 | 804255 | <0.2 | <0.2 | 1.3 | 1.1 | | |
| | | | | | | 1.0 | 0.2 | 166 | 28.4 | 28.4 | 8.0 | 8.0 | 28.9 | 28.9 | 94.3 | 94.3 | 6.2 | 6.1 | 1.9 | 4.2 | 5 | 6 | 80 | 89 | 815608 | 804255 | <0.2 | <0.2 | 1.2 | 1.1 | | |
| | | | | | Middle | 4.1 | 0.2 | 110 | 28.3 | 28.3 | 8.1 | 8.1 | 29.6 | 29.6 | 91.2 | 91.2 | 6.0 | 5.9 | 3.8 | 4.2 | 5 | 6 | 88 | 89 | 815608 | 804255 | <0.2 | <0.2 | 1.0 | 1.1 | | |
| | | | | | | 4.1 | 0.2 | 114 | 28.3 | 28.3 | 8.1 | 8.1 | 29.5 | 29.6 | 91.1 | 91.2 | 6.0 | 5.9 | 3.9 | 4.2 | 6 | 6 | 91 | 89 | 815608 | 804255 | <0.2 | <0.2 | 1.0 | 1.1 | | |
| | | | | | Bottom | 7.1 | 0.2 | 114 | 28.1 | 28.1 | 8.1 | 8.1 | 31.5 | 31.5 | 90.2 | 90.5 | 5.9 | 5.9 | 7.1 | 5.9 | 7.1 | 5.9 | 8 | 6 | 94 | 89 | 815608 | 804255 | <0.2 | <0.2 | 1.0 | 1.1 |
| | | | | | | 7.1 | 0.2 | 118 | 28.1 | 28.1 | 8.1 | 8.1 | 31.4 | 31.5 | 90.7 | 90.5 | 5.9 | 5.9 | 6.9 | 5.9 | 6.9 | 5.9 | 6 | 6 | 96 | 89 | 815608 | 804255 | <0.2 | <0.2 | 1.0 | 1.1 |
| C2 | Cloudy | Moderate | 15:22 | 12.7 | Surface | 1.0 | 0.4 | 76 | 26.7 | 26.7 | 7.8 | 7.8 | 25.0 | 25.0 | 77.1 | 77.1 | 5.4 | 5.3 | 5.0 | 10.9 | 5 | 12 | 83 | 87 | 825692 | 806929 | <0.2 | <0.2 | 2.0 | 1.9 | | |
| | | | | | | 1.0 | 0.4 | 83 | 26.7 | 26.7 | 7.8 | 7.8 | 25.0 | 25.0 | 77.0 | 77.1 | 5.4 | 5.3 | 5.1 | 10.9 | 5 | 12 | 83 | 87 | 825692 | 806929 | <0.2 | <0.2 | 2.0 | 1.9 | | |
| | | | | | Middle | 6.4 | 0.4 | 106 | 26.2 | 26.2 | 7.8 | 7.8 | 27.3 | 27.3 | 74.5 | 74.6 | 5.2 | 5.2 | 8.7 | 10.9 | 8 | 12 | 85 | 87 | 825692 | 806929 | <0.2 | <0.2 | 1.7 | 1.9 | | |
| | | | | | | 6.4 | 0.4 | 114 | 26.2 | 26.2 | 7.8 | 7.8 | 27.3 | 27.3 | 74.6 | 74.6 | 5.2 | 5.2 | 8.7 | 10.9 | 8 | 12 | 87 | 87 | 825692 | 806929 | <0.2 | <0.2 | 1.9 | 1.9 | | |
| | | | | | Bottom | 11.7 | 0.3 | 108 | 26.2 | 26.2 | 7.8 | 7.8 | 28.1 | 28.1 | 74.3 | 74.5 | 5.1 | 5.2 | 19.2 | 5.2 | 19.2 | 5.2 | 25 | 23 | 93 | 87 | 825692 | 806929 | <0.2 | <0.2 | 2.1 | 1.6 |
| | | | | | | 11.7 | 0.3 | 117 | 26.2 | 26.2 | 7.8 | 7.8 | 28.1 | 28.1 | 74.7 | 74.5 | 5.2 | 5.2 | 18.6 | 5.2 | 18.6 | 5.2 | 23 | 23 | 93 | 87 | 825692 | 806929 | <0.2 | <0.2 | 1.6 | 1.6 |
| C3 | Cloudy | Moderate | 17:15 | 12.8 | Surface | 1.0 | 0.3 | 217 | 26.2 | 26.2 | 8.0 | 8.0 | 30.3 | 30.3 | 79.3 | 79.3 | 5.4 | 5.3 | 4.3 | 5.8 | 6 | 8 | 88 | 91 | 822089 | 817819 | <0.2 | <0.2 | 1.2 | 0.9 | | |
| | | | | | | 1.0 | 0.3 | 217 | 26.2 | 26.2 | 8.0 | 8.0 | 30.3 | 30.3 | 79.2 | 79.3 | 5.4 | 5.3 | 4.3 | 5.8 | 6 | 8 | 88 | 91 | 822089 | 817819 | <0.2 | <0.2 | 0.8 | 0.9 | | |
| | | | | | Middle | 6.4 | 0.3 | 153 | 26.1 | 26.1 | 8.0 | 8.0 | 30.8 | 30.8 | 76.9 | 76.9 | 5.2 | 5.2 | 7.0 | 5.8 | 7.0 | 5.8 | 8 | 8 | 92 | 91 | 822089 | 817819 | <0.2 | <0.2 | 0.9 | 0.9 |
| | | | | | | 6.4 | 0.3 | 164 | 26.1 | 26.1 | 8.0 | 8.0 | 30.8 | 30.8 | 76.9 | 76.9 | 5.2 | 5.2 | 7.1 | 5.8 | 7.1 | 5.8 | 7 | 8 | 92 | 91 | 822089 | 817819 | <0.2 | <0.2 | 0.9 | 0.9 |
| | | | | | Bottom | 11.8 | 0.4 | 273 | 25.9 | 25.9 | 7.9 | 7.9 | 31.3 | 31.3 | 76.0 | 76.6 | 5.2 | 5.3 | 5.9 | 5.3 | 5.9 | 5.3 | 9 | 8 | 94 | 91 | 822089 | 817819 | <0.2 | <0.2 | 0.8 | 0.9 |
| | | | | | | 11.8 | 0.4 | 292 | 25.9 | 25.9 | 7.9 | 7.9 | 31.3 | 31.3 | 77.1 | 76.6 | 5.3 | 5.3 | 5.9 | 5.3 | 5.9 | 5.3 | 10 | 8 | 94 | 91 | 822089 | 817819 | <0.2 | <0.2 | 0.9 | 0.9 |
| IM1 | Fine | Calm | 16:10 | 7.6 | Surface | 1.0 | 0.2 | 232 | 28.5 | 28.5 | 8.0 | 8.0 | 29.4 | 29.4 | 92.3 | 92.3 | 6.1 | 6.0 | 3.0 | 5.7 | 6 | 6 | 75 | 80 | 818346 | 806446 | <0.2 | <0.2 | 1.4 | 1.3 | | |
| | | | | | | 1.0 | 0.2 | 237 | 28.5 | 28.5 | 8.0 | 8.0 | 29.4 | 29.4 | 92.2 | 92.3 | 6.1 | 6.0 | 2.8 | 5.7 | 8 | 6 | 75 | 80 | 818346 | 806446 | <0.2 | <0.2 | 1.4 | 1.3 | | |
| | | | | | Middle | 3.8 | 0.2 | 91 | 28.4 | 28.4 | 8.0 | 8.0 | 29.7 | 29.7 | 89.4 | 89.4 | 5.9 | 5.9 | 5.3 | 5.7 | 6 | 6 | 78 | 80 | 818346 | 806446 | <0.2 | <0.2 | 1.1 | 1.3 | | |
| | | | | | | 3.8 | 0.2 | 96 | 28.4 | 28.4 | 8.0 | 8.0 | 29.7 | 29.7 | 89.3 | 89.4 | 5.9 | 5.9 | 5.3 | 5.7 | 6 | 6 | 78 | 80 | 818346 | 806446 | <0.2 | <0.2 | 1.2 | 1.3 | | |
| | | | | | Bottom | 6.6 | 0.2 | 86 | 28.3 | 28.3 | 8.0 | 8.0 | 30.3 | 30.3 | 87.7 | 87.7 | 5.8 | 5.8 | 9.0 | 5.8 | 9.0 | 5.8 | 6 | 6 | 86 | 80 | 818346 | 806446 | <0.2 | <0.2 | 1.4 | 1.3 |
| | | | | | | 6.6 | 0.2 | 89 | 28.3 | 28.3 | 8.0 | 8.0 | 30.3 | 30.3 | 87.7 | 87.7 | 5.8 | 5.8 | 9.0 | 5.8 | 9.0 | 5.8 | 6 | 6 | 87 | 80 | 818346 | 806446 | <0.2 | <0.2 | 1.3 | 1.3 |
| IM2 | Fine | Calm | 16:04 | 7.2 | Surface | 1.0 | 0.2 | 200 | 28.6 | 28.6 | 8.0 | 8.0 | 29.4 | 29.4 | 90.7 | 90.7 | 6.0 | 5.9 | 2.0 | 3.9 | 4 | 5 | 77 | 82 | 818870 | 806199 | <0.2 | <0.2 | 1.4 | 1.6 | | |
| | | | | | | 1.0 | 0.2 | 213 | 28.6 | 28.6 | 8.0 | 8.0 | 29.4 | 29.4 | 90.6 | 90.7 | 6.0 | 5.9 | 2.1 | 3.9 | 5 | 5 | 75 | 82 | 818870 | 806199 | <0.2 | <0.2 | 1.9 | 1.6 | | |
| | | | | | Middle | 3.6 | 0.3 | 62 | 28.5 | 28.5 | 8.0 | 8.0 | 29.5 | 29.5 | 88.4 | 88.4 | 5.8 | 5.8 | 3.4 | 3.9 | 6 | 5 | 82 | 82 | 818870 | 806199 | <0.2 | <0.2 | 1.1 | 1.6 | | |
| | | | | | | 3.6 | 0.3 | 63 | 28.5 | 28.5 | 8.0 | 8.0 | 29.5 | 29.5 | 88.3 | 88.4 | 5.8 | 5.8 | 3.5 | 3.9 | 5 | 5 | 85 | 82 | 818870 | 806199 | <0.2 | <0.2 | 1.6 | 1.6 | | |
| | | | | | Bottom | 6.2 | 0.2 | 59 | 28.3 | 28.3 | 8.0 | 8.0 | 30.3 | 30.3 | 83.4 | 83.1 | 5.5 | 5.5 | 6.3 | 5.5 | 6.3 | 5.5 | 4 | 5 | 87 | 82 | 818870 | 806199 | <0.2 | <0.2 | 2.0 | 1.6 |
| | | | | | | 6.2 | 0.2 | 62 | 28.3 | 28.3 | 8.0 | 8.0 | 30.3 | 30.3 | 82.7 | 83.1 | 5.4 | 5.5 | 6.1 | 5.4 | 6.1 | 5.4 | 4 | 5 | 87 | 82 | 818870 | 806199 | <0.2 | <0.2 | 1.6 | 1.6 |
| IM3 | Fine | Calm | 15:56 | 7.1 | Surface | 1.0 | 0.4 | 117 | 28.6 | 28.6 | 8.0 | 8.0 | 29.3 | 29.3 | 90.7 | 90.7 | 6.0 | 5.8 | 3.0 | 8.2 | 4 | 5 | 75 | 83 | 819430 | 806003 | <0.2 | <0.2 | 1.2 | 1.3 | | |
| | | | | | | 1.0 | 0.4 | 121 | 28.6 | 28.6 | 8.0 | 8.0 | 29.3 | 29.3 | 90.7 | 90.7 | 6.0 | 5.8 | 3.2 | 8.2 | 5 | 5 | 77 | 83 | 819430 | 806003 | <0.2 | <0.2 | 1.2 | 1.3 | | |
| | | | | | Middle | 3.6 | 0.3 | 82 | 28.4 | 28.4 | 8.0 | 8.0 | 29.6 | 29.6 | 83.3 | 83.1 | 5.5 | 5.5 | 8.8 | 8.2 | 3 | 5 | 82 | 83 | 819430 | 806003 | <0.2 | <0.2 | 1.7 | 1.3 | | |
| | | | | | | 3.6 | 0.3 | 83 | 28.4 | 28.4 | 8.0 | 8.0 | 29.6 | 29.6 | 82.9 | 83.1 | 5.5 | 5.5 | 9.0 | 8.2 | 4 | 5 | 83 | 83 | 819430 | 806003 | <0.2 | <0.2 | 1.4 | 1.3 | | |
| | | | | | Bottom | 6.1 | 0.3 | 86 | 28.3 | 28.3 | 8.0 | 8.0 | 30.2 | 30.2 | 77.2 | 77.1 | 5.1 | 5.1 | 12.9 | 5.1 | 12.9 | 5.1 | 6 | 5 | 87 | 83 | 819430 | 806003 | <0.2 | <0.2 | 1.0 | 1.3 |
| | | | | | | 6.1 | 0.3 | 87 | 28.3 | 28.3 | 8.0 | 8.0 | 30.2 | 30.2 | 77.0 | 77.1 | 5.1 | 5.1 | 12.4 | 5.1 | 12.4 | 5.1 | 7 | 5 | 91 | 83 | 819430 | 806003 | <0.2 | <0.2 | 1.1 | 1.3 |
| IM4 | Fine | Calm | 15:48 | 7.6 | Surface | 1.0 | 0.3 | 98 | 28.5 | 28.5 | 8.0 | 8.0 | 29.0 | 29.0 | 89.6 | 89.6 | 5.9 | 5.8 | 3.5 | 8.4 | 4 | 5 | 75 | 82 | 819583 | 805058 | <0.2 | <0.2 | 1.4 | 1.4 | | |
| | | | | | | 1.0 | 0.4 | 99 | 28.5 | 28.5 | 8.0 | 8.0 | 29.0 | 29.0 | 89.5 | 89.6 | 5.9 | 5.8 | 3.3 | 8.4 | 4 | 5 | 78 | 82 | 819583 | 805058 | <0.2 | <0.2 | 1.4 | 1.4 | | |
| | | | | | Middle | 3.8 | 0.3 | 56 | 28.5 | 28.5 | 8.0 | 8.0 | 29.0 | 29.1 | 86.7 | 86.7 | 5.7 | 5.7 | 6.8 | 8.4 | 4 | 5 | 80 | 82 | 819583 | 805058 | <0.2 | <0.2 | 1.3 | 1.4 | | |
| | | | | | | 3.8 | 0.3 | 57 | 28.5 | 28.5 | 8.0 | 8.0 | 29.1 | 29.1 | 86.6 | 86.7 | 5.7 | 5.7 | 7.0 | 8.4 | 4 | 5 | 82 | 82 | 819583 | 805058 | <0.2 | <0.2 | 1.6 | 1.4 | | |
| | | | | | Bottom | 6.6 | 0.3 | 88 | 28.2 | 28.2 | 8.0 | 8.0 | 30.4 | 30.4 | 80.7 | 80.1 | 5.3 | 5.3 | 15.5 | 5.3 | 15.5 | 5.3 | 5 | 5 | 87 | 82 | 819583 | 805058 | <0.2 | <0.2 | 1.2 | 1.4 |
| | | | | | | 6.6 | 0.3 | 91 | 28.2 | 28.2 | 8.0 | 8.0 | 30.4 | 30.4 | 79.4 | 80.1 | 5.2 | 5.3 | 14.2 | 5.2 | 14.2 | 5.2 | 7 | 5 | 87 | 82 | 819583 | 805058 | <0.2 | <0.2 | 1.3 | 1.4 |
| IM5 | Fine | Calm | 15:39 | 6.4 | Surface | 1.0 | 0.3 | 144 | 28.6 | 28.6 | 8.0 | 8.0 | 28.2 | 28.2 | 89.0 | 89.0 | 5.9 | 5.8 | 3.8 | 12.1 | 4 | 5 | 78 | 85 | 820557 | 804929 | <0.2 | <0.2 | 1.3 | 1.6 | | |
| | | | | | | 1.0 | 0.4 | 145 | 28.6 | 28.6 | 8.0 | 8.0 | 28.2 | 28.2 | 89.0 | 89.0 | 5.9 | 5.8 | 3.7 | 12.1 | 4 | 5 | 80 | 85 | 820557 | 8049 | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 24 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|------|-------------------------|------|----------------|-----|-------------------------|-----|------------------------|----|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Fine | Calm | 14:02 | 7.8 | Surface | 1.0 | 0.5 | 89 | 28.4 | 28.4 | 8.0 | 8.0 | 28.5 | 28.5 | 91.8 | 91.8 | 6.1 | 6.1 | 1.7 | 1.7 | 4 | 6 | 75 | 75 | 85 | 815620 | 804253 | <0.2 | <0.2 | 1.5 | 1.4 | |
| | | | | | | 1.0 | 0.5 | 89 | 28.4 | 28.4 | 8.0 | 8.0 | 28.5 | 28.5 | 91.8 | 91.8 | 6.1 | 6.1 | 1.7 | 1.7 | 6 | 6 | 77 | 77 | | | | | | | | |
| | | | | | | 3.9 | 0.6 | 59 | 28.2 | 28.2 | 8.1 | 8.1 | 29.6 | 29.6 | 91.3 | 91.3 | 6.0 | 6.1 | 2.8 | 3.0 | 6 | 8 | 78 | 80 | | | | | | | | |
| | | | | | 3.9 | 0.7 | 61 | 28.2 | 28.2 | 8.1 | 8.1 | 29.6 | 29.6 | 91.3 | 91.3 | 6.1 | 6.1 | 3.0 | 3.0 | 6 | 6 | 80 | 80 | | | | | | | | | |
| | | | | | 6.8 | 0.6 | 55 | 28.1 | 28.1 | 8.1 | 8.1 | 30.6 | 30.6 | 93.8 | 93.8 | 6.2 | 6.2 | 3.5 | 3.6 | 6 | 7 | 99 | 102 | | | | | | | | | |
| | | | | | 6.8 | 0.6 | 59 | 28.1 | 28.1 | 8.1 | 8.1 | 30.6 | 30.6 | 93.9 | 93.9 | 6.2 | 6.2 | 3.6 | 3.6 | 7 | 7 | 102 | 102 | | | | | | | | | |
| C2 | Cloudy | Moderate | 13:06 | 11.5 | Surface | 1.0 | 0.4 | 255 | 26.7 | 26.7 | 7.8 | 7.8 | 22.1 | 22.1 | 77.3 | 77.3 | 5.5 | 5.5 | 3.8 | 3.9 | 5 | 5 | 82 | 82 | 88 | 825686 | 806927 | <0.2 | <0.2 | 2.6 | 2.6 | |
| | | | | | | 1.0 | 0.5 | 267 | 26.7 | 26.7 | 7.8 | 7.8 | 22.1 | 22.1 | 77.3 | 77.3 | 5.5 | 5.1 | 3.9 | 3.9 | 5 | 6 | 83 | 89 | | | | | | | | |
| | | | | | | 5.8 | 0.5 | 260 | 26.3 | 26.3 | 7.9 | 7.9 | 28.3 | 28.3 | 74.5 | 74.5 | 5.1 | 5.1 | 7.0 | 7.0 | 6 | 6 | 89 | 90 | | | | | | | | |
| | | | | | 5.8 | 0.5 | 268 | 26.3 | 26.3 | 7.9 | 7.9 | 28.3 | 28.3 | 74.5 | 74.5 | 5.1 | 5.1 | 7.0 | 7.0 | 6 | 6 | 90 | 93 | | | | | | | | | |
| | | | | | 10.5 | 0.4 | 245 | 26.2 | 26.2 | 7.9 | 7.9 | 30.0 | 30.0 | 73.5 | 73.5 | 5.0 | 5.0 | 11.5 | 11.5 | 13 | 12 | 93 | 92 | | | | | | | | | |
| | | | | | 10.5 | 0.4 | 260 | 26.2 | 26.2 | 7.9 | 7.9 | 30.0 | 30.0 | 73.7 | 73.6 | 5.0 | 5.0 | 11.5 | 11.5 | 12 | 12 | 92 | 92 | | | | | | | | | |
| C3 | Cloudy | Moderate | 15:07 | 11.8 | Surface | 1.0 | 0.8 | 179 | 26.5 | 26.5 | 7.9 | 7.9 | 29.7 | 29.7 | 89.3 | 89.3 | 6.1 | 6.1 | 2.0 | 2.0 | 3 | 3 | 88 | 89 | 90 | 822117 | 817801 | <0.2 | <0.2 | 1.4 | 1.4 | |
| | | | | | | 1.0 | 0.8 | 194 | 26.5 | 26.5 | 7.9 | 7.9 | 29.7 | 29.7 | 89.2 | 89.2 | 6.1 | 6.1 | 2.0 | 2.0 | 3 | 3 | 89 | 90 | | | | | | | | |
| | | | | | | 5.9 | 0.3 | 199 | 26.0 | 26.0 | 7.9 | 7.9 | 30.2 | 30.2 | 81.0 | 81.0 | 5.6 | 5.6 | 3.2 | 3.2 | 5 | 5 | 90 | 90 | | | | | | | | |
| | | | | | 5.9 | 0.4 | 212 | 26.0 | 26.0 | 7.9 | 7.9 | 30.2 | 30.2 | 81.0 | 81.0 | 5.6 | 5.6 | 3.2 | 3.2 | 5 | 5 | 90 | 90 | | | | | | | | | |
| | | | | | 10.8 | 0.4 | 240 | 26.0 | 26.0 | 7.9 | 7.9 | 30.9 | 30.9 | 79.2 | 79.2 | 5.4 | 5.4 | 6.9 | 6.8 | 4 | 4 | 93 | 92 | | | | | | | | | |
| | | | | | 10.8 | 0.4 | 257 | 26.0 | 26.0 | 7.9 | 7.9 | 30.9 | 30.9 | 79.2 | 79.2 | 5.4 | 5.4 | 6.8 | 6.8 | 4 | 4 | 92 | 92 | | | | | | | | | |
| IM1 | Fine | Calm | 13:54 | 6.2 | Surface | 1.0 | 0.6 | 191 | 28.3 | 28.3 | 8.0 | 8.0 | 30.3 | 30.4 | 90.6 | 90.6 | 6.0 | 6.0 | 9.1 | 8.9 | 25 | 23 | 73 | 73 | 80 | 818349 | 806451 | <0.2 | <0.2 | 1.1 | 1.1 | |
| | | | | | | 1.0 | 0.6 | 207 | 28.3 | 28.3 | 8.0 | 8.0 | 30.4 | 30.4 | 90.6 | 90.6 | 6.0 | 6.0 | 8.9 | 8.9 | 9 | 8 | 72 | 73 | | | | | | | | |
| | | | | | | 3.1 | 0.6 | 77 | 28.3 | 28.3 | 8.0 | 8.0 | 30.4 | 30.4 | 90.6 | 90.6 | 6.0 | 6.0 | 9.0 | 9.0 | 8 | 8 | 73 | 73 | | | | | | | | |
| | | | | | 5.2 | 0.5 | 171 | 28.3 | 28.3 | 8.1 | 8.1 | 30.6 | 30.6 | 91.0 | 91.0 | 6.0 | 6.0 | 9.0 | 9.0 | 14 | 15 | 93 | 95 | | | | | | | | | |
| | | | | | 5.2 | 0.5 | 187 | 28.2 | 28.3 | 8.1 | 8.1 | 30.6 | 30.6 | 91.2 | 91.1 | 6.0 | 6.0 | 10.0 | 10.0 | 15 | 15 | 95 | 95 | | | | | | | | | |
| | | | | | 5.2 | 0.5 | 187 | 28.2 | 28.3 | 8.1 | 8.1 | 30.6 | 30.6 | 91.2 | 91.1 | 6.0 | 6.0 | 10.0 | 10.0 | 15 | 15 | 95 | 95 | | | | | | | | | |
| IM2 | Fine | Calm | 13:47 | 7.0 | Surface | 1.0 | 0.5 | 216 | 28.6 | 28.6 | 8.0 | 8.0 | 26.6 | 26.6 | 91.1 | 91.1 | 6.1 | 6.1 | 2.1 | 2.2 | 14 | 15 | 73 | 76 | 82 | 818864 | 806206 | <0.2 | <0.2 | 1.5 | 1.5 | |
| | | | | | | 1.0 | 0.5 | 228 | 28.6 | 28.6 | 8.0 | 8.0 | 26.6 | 26.6 | 91.0 | 91.1 | 6.1 | 6.1 | 2.2 | 2.2 | 15 | 15 | 76 | 75 | | | | | | | | |
| | | | | | | 3.5 | 0.6 | 109 | 28.3 | 28.3 | 8.0 | 8.0 | 28.6 | 28.6 | 89.7 | 89.7 | 6.0 | 6.0 | 5.7 | 5.6 | 15 | 15 | 75 | 75 | | | | | | | | |
| | | | | | 3.5 | 0.6 | 111 | 28.3 | 28.3 | 8.0 | 8.0 | 28.6 | 28.6 | 89.7 | 89.7 | 6.0 | 6.0 | 5.6 | 5.6 | 15 | 15 | 75 | 75 | | | | | | | | | |
| | | | | | 6.0 | 0.4 | 108 | 28.2 | 28.2 | 8.0 | 8.0 | 29.8 | 29.8 | 89.6 | 89.7 | 5.9 | 5.9 | 8.5 | 8.5 | 7 | 7 | 96 | 96 | | | | | | | | | |
| | | | | | 6.0 | 0.5 | 112 | 28.2 | 28.2 | 8.0 | 8.0 | 29.8 | 29.8 | 89.7 | 89.7 | 5.9 | 5.9 | 8.5 | 8.5 | 8 | 8 | 97 | 97 | | | | | | | | | |
| IM3 | Fine | Calm | 13:39 | 7.5 | Surface | 1.0 | 0.6 | 231 | 28.7 | 28.7 | 7.9 | 7.9 | 25.2 | 25.2 | 89.6 | 89.6 | 6.0 | 6.0 | 1.7 | 1.9 | 3 | 3 | 68 | 70 | 80 | 819429 | 806020 | <0.2 | <0.2 | 1.7 | 1.7 | |
| | | | | | | 1.0 | 0.6 | 247 | 28.7 | 28.7 | 7.9 | 7.9 | 25.2 | 25.2 | 89.6 | 89.6 | 6.0 | 6.0 | 1.9 | 1.9 | 3 | 3 | 70 | 73 | | | | | | | | |
| | | | | | | 3.8 | 0.7 | 70 | 28.4 | 28.4 | 8.0 | 8.0 | 27.2 | 27.2 | 88.6 | 88.6 | 5.9 | 5.9 | 2.9 | 2.8 | 6 | 6 | 73 | 75 | | | | | | | | |
| | | | | | 3.8 | 0.8 | 74 | 28.4 | 28.4 | 8.0 | 8.0 | 27.2 | 27.2 | 88.6 | 88.6 | 5.9 | 5.9 | 2.8 | 2.7 | 6 | 8 | 75 | 97 | | | | | | | | | |
| | | | | | 6.5 | 0.4 | 108 | 28.3 | 28.3 | 8.0 | 8.0 | 29.1 | 29.1 | 88.7 | 88.7 | 5.9 | 5.9 | 3.7 | 3.8 | 7 | 7 | 97 | 94 | | | | | | | | | |
| | | | | | 6.5 | 0.5 | 112 | 28.3 | 28.3 | 8.0 | 8.0 | 29.0 | 29.1 | 88.7 | 88.7 | 5.9 | 5.9 | 3.8 | 3.8 | 7 | 7 | 94 | 94 | | | | | | | | | |
| IM4 | Fine | Calm | 13:35 | 7.2 | Surface | 1.0 | 0.6 | 151 | 28.8 | 28.8 | 7.9 | 7.9 | 24.0 | 24.0 | 87.2 | 87.2 | 5.9 | 5.9 | 0.9 | 0.8 | 5 | 4 | 68 | 71 | 80 | 819588 | 805021 | <0.2 | <0.2 | 2.1 | 2.1 | |
| | | | | | | 1.0 | 0.6 | 154 | 28.8 | 28.8 | 7.9 | 7.9 | 24.0 | 24.0 | 87.2 | 87.2 | 5.9 | 5.9 | 0.8 | 0.8 | 4 | 4 | 71 | 75 | | | | | | | | |
| | | | | | | 3.6 | 0.7 | 87 | 28.4 | 28.4 | 7.9 | 7.9 | 26.2 | 26.3 | 87.3 | 87.3 | 5.9 | 5.9 | 2.5 | 2.5 | 4 | 4 | 75 | 79 | | | | | | | | |
| | | | | | 3.6 | 0.7 | 92 | 28.4 | 28.4 | 7.9 | 7.9 | 26.3 | 26.3 | 87.3 | 87.3 | 5.9 | 5.9 | 2.5 | 2.5 | 4 | 4 | 79 | 93 | | | | | | | | | |
| | | | | | 6.2 | 0.6 | 97 | 28.3 | 28.3 | 8.0 | 8.0 | 28.0 | 28.1 | 86.9 | 87.0 | 5.8 | 5.8 | 3.5 | 3.5 | 4 | 4 | 93 | 95 | | | | | | | | | |
| | | | | | 6.2 | 0.6 | 103 | 28.3 | 28.3 | 8.0 | 8.0 | 28.2 | 28.1 | 87.0 | 87.0 | 5.8 | 5.8 | 3.5 | 3.5 | 4 | 4 | 95 | 95 | | | | | | | | | |
| IM5 | Fine | Calm | 13:27 | 6.8 | Surface | 1.0 | 0.7 | 171 | 28.6 | 28.6 | 7.9 | 7.9 | 26.1 | 26.1 | 85.6 | 85.6 | 5.7 | 5.7 | 2.0 | 2.0 | 6 | 7 | 74 | 77 | 83 | 820576 | 804907 | <0.2 | <0.2 | 2.3 | 2.3 | |
| | | | | | | 1.0 | 0.8 | 177 | 28.6 | 28.6 | 7.9 | 7.9 | 26.1 | 26.1 | 85.6 | 85.6 | 5.7 | 5.7 | 2.0 | 2.0 | 7 | 7 | 77 | 84 | | | | | | | | |
| | | | | | | 3.4 | 0.8 | 50 | 28.4 | 28.4 | 7.9 | 7.9 | 26.7 | 26.7 | 85.7 | 85.8 | 5.8 | 5.8 | 3.8 | 3.8 | 6 | 6 | 84 | 84 | | | | | | | | |
| | | | | | 3.4 | 0.9 | 52 | 28.4 | 28.4 | 7.9 | 7.9 | 26.7 | 26.7 | 85.8 | 85.8 | 5.8 | 5.8 | 3.8 | 3.8 | 6 | 6 | 84 | 88 | | | | | | | | | |
| | | | | | 5.8 | 0.6 | 105 | 28.3 | 28.3 | 8.0 | 8.0 | 28.1 | 28.1 | 87.7 | 87.8 | 5.8 | 5.8 | 3.6 | 3.7 | 7 | 7 | 88 | 90 | | | | | | | | | |
| | | | | | 5.8 | 0.6 | 107 | 28.3 | 28.3 | 8.0 | 8.0 | 28.1 | 28.1 | 87.8 | 87.8 | 5.8 | 5.8 | 3.7 | 3.7 | 8 | 8 | 90 | 90 | | | | | | | | | |
| IM6 | Fine | Calm | 13:18 | 6.3 | Surface | 1.0 | 0.7 | 133 | 28.6 | 28.6 | 7.9 | 7.9 | 26.4 | 26.4 | 87.0 | 87.0 | 5.8 | 5.8 | 2.0 | 2.1 | 6 | 4 | 77 | 79 | 84 | 821040 | 805811 | <0.2 | <0.2 | 1.5 | 1.5 | |
| | | | | | | 1.0 | 0.8 | 133 | 28.6 | 28.6 | 7.9 | 7.9 | 26.4 | 26.4 | 87.0 | 87.0 | 5.8 | 5.8 | 2.1 | 1.6 | 4 | 5 | 79 | 80 | | | | | | | | |
| | | | | | | 3.2 | 0.8 | 74 | 28.4 | 28.4 | 8.0 | 8.0 | 27.1 | 27.1 | 86.0 | 86.0 | 5.8 | 5.8 | 1.6 | 1.6 | 3 | 3 | 80 | 81 | | | | | | | | |
| | | | | | 3.2 | 0.9 | 79 | 28.4 | 28.4 | 8.0 | 8.0 | 27.1 | 27.1 | 85.9 | 86.0 | 5.8 | 5.8 | 1.6 | 1.6 | 3 | 3 | 81 | 90 | | | | | | | | | |
| | | | | | 5.3 | 0.6 | 46 | 28.2 | 28.2 | 8.0 | 8.0 | 28.9 | 28.9 | 85.1 | 85.1 | 5.7 | 5.7 | 2.3 | 2.2 | 3 | 3 | 90 | 96 | | | | | | | | | |
| | | | | | 5.3 | 0.6 | 47 | 28.2 | 28.2 | 8.0 | 8.0 | 28.8 | 28.9 | 85.1 | 85.1 | 5.7 | 5.7 | 2.2 | 2.2 | 3 | 3 | 96 | 96 | | | | | | | | | |
| IM7 | Fine | Calm | 13:08 | 7.5 | Surface | 1.0 | 0.5 | 187 | 28.6 | 28.6 | 7.9 | 7.9 | 25.7 | 25.6 | 82.3 | 82.3 | 5.5 | 5.5 | 2.9 | 3.2 | 6 | 7 | 73 | 73 | 78 | 821366 | 806837 | <0.2 | <0.2 | 1.8 | 1.8 | |
| | | | | | | 1.0 | 0.5 | 204 | 28.6 | 28.6 | 7.9 | 7.9 | 25.4 | 25.4 | 82.3 | 82.3 | 5.5 | 5.5 | 3.2 | 3.2 | 7 | 7 | 73 | 77 | | | | | | | | |
| | | | | | | 3.8 | 0.7 | 63 | 28.3 | | | | | | | | | | | | | | | | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 24 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|----|------------------------|------|-------------------------------|------------------------------|-----------------|------|---------------|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA |
| C1 | Fine | Calm | 06:14 | 8.1 | Surface | 1.0 | 0.3 | 214 | 28.2 | 28.2 | 8.0 | 8.0 | 27.9 | 27.9 | 90.3 | 90.3 | 6.0 | 6.0 | 1.9 | 2.8 | 4 | 6 | 73 | 80 | 815639 | 804248 | <0.2 | <0.2 | 1.5 | 1.2 |
| | | | | | | 1.0 | 0.3 | 215 | 28.2 | 8.0 | 8.0 | 27.9 | 27.9 | 90.3 | 90.3 | 6.0 | 6.0 | 2.1 | 2.8 | 3 | 6 | 70 | 80 | <0.2 | | | <0.2 | 1.7 | 1.2 | |
| | | | | | Middle | 4.1 | 0.4 | 200 | 28.1 | 28.1 | 8.1 | 8.1 | 30.2 | 30.2 | 89.6 | 89.6 | 5.9 | 5.9 | 3.2 | 4.1 | 7 | 5 | 72 | 80 | | | <0.2 | <0.2 | 1.0 | 1.2 |
| | | | | | | 4.1 | 0.4 | 219 | 28.1 | 28.1 | 8.1 | 8.1 | 30.2 | 30.2 | 89.6 | 89.6 | 5.9 | 5.9 | 3.1 | 4.1 | 8 | 5 | 80 | 90 | | | <0.2 | <0.2 | 1.0 | 1.2 |
| | | | | | Bottom | 7.1 | 0.4 | 198 | 28.1 | 28.1 | 8.1 | 8.1 | 31.2 | 31.2 | 89.4 | 89.4 | 5.9 | 5.9 | 3.2 | 4.1 | 5 | 5 | 90 | 92 | | | <0.2 | <0.2 | 0.9 | 1.2 |
| | | | | | | 7.1 | 0.4 | 199 | 28.1 | 28.1 | 8.1 | 8.1 | 31.2 | 31.2 | 89.4 | 89.4 | 5.9 | 5.9 | 3.2 | 4.1 | 6 | 5 | 92 | 92 | | | <0.2 | <0.2 | 0.9 | 1.2 |
| C2 | Fine | Moderate | 07:40 | 11.3 | Surface | 1.0 | 0.7 | 183 | 26.5 | 26.5 | 7.8 | 7.8 | 25.8 | 25.8 | 76.1 | 76.1 | 5.3 | 5.3 | 3.6 | 7.3 | 3 | 5 | 85 | 89 | 825682 | 806926 | <0.2 | <0.2 | 3.8 | 2.9 |
| | | | | | | 1.0 | 0.7 | 191 | 26.5 | 26.5 | 7.8 | 7.8 | 25.8 | 25.8 | 76.1 | 76.1 | 5.3 | 5.3 | 3.6 | 7.3 | 5 | 5 | 84 | 91 | | | <0.2 | <0.2 | 4.0 | 2.9 |
| | | | | | Middle | 5.7 | 0.7 | 177 | 26.3 | 26.3 | 7.9 | 7.9 | 29.3 | 29.3 | 76.0 | 76.0 | 5.2 | 5.2 | 5.3 | 7.3 | 4 | 5 | 89 | 91 | | | <0.2 | <0.2 | 2.8 | 2.9 |
| | | | | | | 5.7 | 0.7 | 183 | 26.3 | 26.3 | 7.9 | 7.9 | 29.3 | 29.3 | 76.0 | 76.0 | 5.2 | 5.2 | 5.3 | 7.3 | 4 | 5 | 91 | 92 | | | <0.2 | <0.2 | 2.8 | 2.9 |
| | | | | | Bottom | 10.3 | 0.4 | 161 | 26.3 | 26.3 | 7.8 | 7.8 | 29.9 | 30.0 | 75.3 | 75.5 | 5.1 | 5.2 | 12.7 | 13.0 | 7 | 9 | 93 | 92 | | | <0.2 | <0.2 | 2.2 | 2.9 |
| | | | | | | 10.3 | 0.5 | 175 | 26.2 | 26.3 | 7.8 | 7.8 | 30.0 | 30.0 | 75.6 | 75.5 | 5.2 | 5.2 | 13.0 | 13.0 | 9 | 9 | 92 | 92 | | | <0.2 | <0.2 | 1.9 | 2.9 |
| C3 | Cloudy | Calm | 05:40 | 11.3 | Surface | 1.0 | 0.4 | 122 | 26.1 | 26.1 | 7.8 | 7.8 | 30.5 | 30.5 | 83.8 | 83.8 | 5.7 | 5.7 | 3.8 | 4.1 | 5 | 5 | 89 | 91 | 822098 | 817812 | <0.2 | <0.2 | 1.3 | 1.4 |
| | | | | | | 1.0 | 0.4 | 130 | 26.1 | 26.1 | 7.8 | 7.8 | 30.5 | 30.5 | 83.7 | 83.8 | 5.7 | 5.7 | 3.7 | 4.1 | 4 | 5 | 88 | 90 | | | <0.2 | <0.2 | 1.3 | 1.4 |
| | | | | | Middle | 5.7 | 0.3 | 111 | 26.0 | 26.0 | 7.8 | 7.8 | 31.0 | 31.0 | 83.1 | 83.1 | 5.7 | 5.7 | 4.1 | 4.1 | 5 | 4 | 90 | 90 | | | <0.2 | <0.2 | 1.5 | 1.4 |
| | | | | | | 5.7 | 0.4 | 116 | 26.0 | 26.0 | 7.8 | 7.8 | 31.0 | 31.0 | 83.1 | 83.1 | 5.7 | 5.7 | 4.1 | 4.1 | 4 | 5 | 90 | 93 | | | <0.2 | <0.2 | 1.6 | 1.4 |
| | | | | | Bottom | 10.3 | 1.0 | 115 | 26.0 | 26.0 | 7.8 | 7.8 | 31.2 | 31.2 | 83.4 | 83.5 | 5.7 | 5.7 | 4.4 | 4.2 | 5 | 5 | 93 | 93 | | | <0.2 | <0.2 | 1.5 | 1.4 |
| | | | | | | 10.3 | 1.0 | 115 | 26.0 | 26.0 | 7.8 | 7.8 | 31.2 | 31.2 | 83.6 | 83.5 | 5.7 | 5.7 | 4.2 | 4.2 | 5 | 5 | 93 | 93 | | | <0.2 | <0.2 | 1.4 | 1.4 |
| IM1 | Fine | Calm | 06:39 | 7.7 | Surface | 1.0 | 0.4 | 149 | 28.4 | 28.4 | 7.9 | 7.9 | 26.7 | 26.7 | 88.5 | 88.5 | 5.9 | 5.9 | 3.4 | 5.6 | 6 | 9 | 75 | 81 | 818361 | 806465 | <0.2 | <0.2 | 2.1 | 1.7 |
| | | | | | | 1.0 | 0.5 | 160 | 28.4 | 28.4 | 7.9 | 7.9 | 26.7 | 26.7 | 88.5 | 88.5 | 5.9 | 5.9 | 3.3 | 5.6 | 6 | 9 | 76 | 78 | | | <0.2 | <0.2 | 2.1 | 1.7 |
| | | | | | Middle | 3.9 | 0.4 | 145 | 28.2 | 28.2 | 8.0 | 8.0 | 28.9 | 28.9 | 87.2 | 87.2 | 5.8 | 5.8 | 5.9 | 6.1 | 9 | 10 | 78 | 79 | | | <0.2 | <0.2 | 1.5 | 1.7 |
| | | | | | | 3.9 | 0.4 | 151 | 28.2 | 28.2 | 8.0 | 8.0 | 28.8 | 28.9 | 87.2 | 87.2 | 5.8 | 5.8 | 6.1 | 6.1 | 10 | 10 | 79 | 81 | | | <0.2 | <0.2 | 1.5 | 1.7 |
| | | | | | Bottom | 6.7 | 0.3 | 173 | 28.1 | 28.1 | 8.0 | 8.0 | 29.9 | 30.0 | 87.5 | 87.5 | 5.8 | 5.8 | 7.4 | 7.5 | 10 | 10 | 88 | 90 | | | <0.2 | <0.2 | 1.4 | 1.7 |
| | | | | | | 6.7 | 0.3 | 184 | 28.1 | 28.1 | 8.0 | 8.0 | 30.0 | 30.0 | 87.5 | 87.5 | 5.8 | 5.8 | 7.5 | 7.5 | 10 | 10 | 90 | 90 | | | <0.2 | <0.2 | 1.3 | 1.7 |
| IM2 | Fine | Calm | 06:45 | 7.8 | Surface | 1.0 | 0.6 | 158 | 28.5 | 28.5 | 7.9 | 7.9 | 25.3 | 25.3 | 88.7 | 88.7 | 6.0 | 6.0 | 2.7 | 6.3 | 5 | 10 | 76 | 81 | 818835 | 806188 | <0.2 | <0.2 | 2.5 | 2.3 |
| | | | | | | 1.0 | 0.6 | 171 | 28.5 | 28.5 | 7.9 | 7.9 | 25.3 | 25.3 | 88.7 | 88.7 | 6.0 | 6.0 | 2.8 | 6.3 | 4 | 10 | 74 | 77 | | | <0.2 | <0.2 | 2.8 | 2.3 |
| | | | | | Middle | 3.9 | 0.5 | 116 | 28.4 | 28.4 | 7.9 | 7.9 | 26.6 | 26.6 | 88.2 | 88.2 | 5.9 | 5.9 | 6.5 | 6.6 | 10 | 12 | 77 | 79 | | | <0.2 | <0.2 | 2.4 | 2.3 |
| | | | | | | 3.9 | 0.5 | 117 | 28.4 | 28.4 | 7.9 | 7.9 | 26.6 | 26.6 | 88.2 | 88.2 | 5.9 | 5.9 | 6.6 | 6.6 | 12 | 13 | 79 | 90 | | | <0.2 | <0.2 | 2.1 | 2.3 |
| | | | | | Bottom | 6.8 | 0.4 | 142 | 28.3 | 28.3 | 7.9 | 7.9 | 27.1 | 27.1 | 89.2 | 89.2 | 6.0 | 6.0 | 9.7 | 9.7 | 13 | 15 | 90 | 88 | | | <0.2 | <0.2 | 2.0 | 2.3 |
| | | | | | | 6.8 | 0.4 | 147 | 28.3 | 28.3 | 7.9 | 7.9 | 27.1 | 27.1 | 89.2 | 89.2 | 6.0 | 6.0 | 9.7 | 9.7 | 15 | 15 | 88 | 88 | | | <0.2 | <0.2 | 1.9 | 2.3 |
| IM3 | Fine | Calm | 06:59 | 7.9 | Surface | 1.0 | 0.4 | 215 | 28.5 | 28.5 | 7.9 | 7.9 | 25.1 | 25.1 | 88.7 | 88.7 | 6.0 | 6.0 | 4.2 | 8.5 | 5 | 12 | 73 | 80 | 819405 | 806036 | <0.2 | <0.2 | 2.3 | 2.3 |
| | | | | | | 1.0 | 0.5 | 227 | 28.5 | 28.5 | 7.9 | 7.9 | 25.1 | 25.1 | 88.7 | 88.7 | 6.0 | 6.0 | 4.2 | 8.5 | 5 | 12 | 75 | 79 | | | <0.2 | <0.2 | 2.2 | 2.3 |
| | | | | | Middle | 4.0 | 0.4 | 134 | 28.4 | 28.4 | 7.9 | 7.9 | 26.6 | 26.6 | 87.9 | 87.9 | 5.9 | 5.9 | 9.5 | 9.6 | 24 | 25 | 79 | 78 | | | <0.2 | <0.2 | 2.0 | 2.3 |
| | | | | | | 4.0 | 0.4 | 145 | 28.4 | 28.4 | 7.9 | 7.9 | 26.6 | 26.6 | 87.9 | 87.9 | 5.9 | 5.9 | 9.6 | 9.6 | 25 | 25 | 78 | 85 | | | <0.2 | <0.2 | 2.2 | 2.3 |
| | | | | | Bottom | 6.9 | 0.4 | 124 | 28.3 | 28.3 | 7.9 | 7.9 | 27.0 | 27.0 | 87.8 | 87.9 | 5.9 | 5.9 | 12.0 | 11.7 | 5 | 6 | 85 | 87 | | | <0.2 | <0.2 | 2.6 | 2.3 |
| | | | | | | 6.9 | 0.4 | 127 | 28.3 | 28.3 | 7.9 | 7.9 | 27.0 | 27.0 | 87.9 | 87.9 | 5.9 | 5.9 | 11.7 | 11.7 | 6 | 6 | 87 | 87 | | | <0.2 | <0.2 | 2.2 | 2.3 |
| IM4 | Fine | Calm | 07:08 | 7.8 | Surface | 1.0 | 0.5 | 154 | 28.5 | 28.5 | 7.9 | 7.9 | 25.0 | 25.0 | 86.5 | 86.5 | 5.8 | 5.8 | 2.2 | 5.2 | 8 | 7 | 71 | 78 | 819555 | 805046 | <0.2 | <0.2 | 2.6 | 2.4 |
| | | | | | | 1.0 | 0.6 | 162 | 28.5 | 28.5 | 7.9 | 7.9 | 25.0 | 25.0 | 86.5 | 86.5 | 5.8 | 5.8 | 2.1 | 5.2 | 8 | 7 | 68 | 76 | | | <0.2 | <0.2 | 2.8 | 2.4 |
| | | | | | Middle | 3.9 | 0.5 | 155 | 28.4 | 28.4 | 7.9 | 7.9 | 26.5 | 26.5 | 85.8 | 85.8 | 5.8 | 5.8 | 5.4 | 5.6 | 9 | 6 | 76 | 78 | | | <0.2 | <0.2 | 2.0 | 2.4 |
| | | | | | | 3.9 | 0.5 | 163 | 28.4 | 28.4 | 7.9 | 7.9 | 26.5 | 26.5 | 85.8 | 85.8 | 5.8 | 5.8 | 5.6 | 5.6 | 6 | 7 | 78 | 86 | | | <0.2 | <0.2 | 2.0 | 2.4 |
| | | | | | Bottom | 6.8 | 0.5 | 154 | 28.3 | 28.3 | 7.9 | 7.9 | 27.3 | 27.4 | 85.9 | 85.9 | 5.8 | 5.8 | 7.9 | 7.9 | 7 | 6 | 86 | 88 | | | <0.2 | <0.2 | 2.5 | 2.4 |
| | | | | | | 6.8 | 0.5 | 165 | 28.3 | 28.3 | 7.9 | 7.9 | 27.4 | 27.4 | 85.9 | 85.9 | 5.8 | 5.8 | 7.9 | 7.9 | 6 | 6 | 88 | 88 | | | <0.2 | <0.2 | 2.3 | 2.4 |
| IM5 | Fine | Calm | 07:15 | 6.8 | Surface | 1.0 | 0.3 | 151 | 28.4 | 28.4 | 7.9 | 7.9 | 26.1 | 26.1 | 87.1 | 87.1 | 5.9 | 5.9 | 1.7 | 2.4 | 7 | 5 | 76 | 83 | 820553 | 804917 | <0.2 | <0.2 | 2.4 | 2.0 |
| | | | | | | 1.0 | 0.3 | 151 | 28.4 | 28.4 | 7.9 | 7.9 | 26.1 | 26.1 | 87.1 | 87.1 | 5.9 | 5.9 | 1.7 | 2.4 | 7 | 5 | 78 | 82 | | | <0.2 | <0.2 | 2.3 | 2.0 |
| | | | | | Middle | 3.4 | 0.3 | 151 | 28.4 | 28.4 | 8.0 | 8.0 | 26.4 | 26.4 | 86.5 | 86.5 | 5.8 | 5.8 | 2.3 | 2.4 | 4 | 4 | 82 | 83 | | | <0.2 | <0.2 | 2.2 | 2.0 |
| | | | | | | 3.4 | 0.3 | 165 | 28.4 | 28.4 | 8.0 | 8.0 | 26.3 | 26.4 | 86.5 | 86.5 | 5.8 | 5.8 | 2.3 | 2.4 | 4 | 5 | 83 | 90 | | | <0.2 | <0.2 | 2.3 | 2.0 |
| | | | | | Bottom | 5.8 | 0.3 | 167 | 28.2 | 28.2 | 8.0 | 8.0 | 28.4 | 28.4 | 87.1 | 87.2 | 5.8 | 5.8 | 3.0 | 3.2 | 5 | 4 | 90 | 90 | | | <0.2 | <0.2 | 1.6 | 2.0 |
| | | | | | | 5.8 | 0.3 | 171 | 28.2 | 28.2 | 8.0 | 8.0 | 28.4 | 28.4 | 87.2 | 87.2 | 5.8 | 5.8 | 3.0 | 3.2 | 4 | 4 | 90 | 90 | | | <0.2 | <0.2 | 1.4 | 2.0 |
| IM6 | Fine | Calm | 07:24 | 6.4 | Surface | 1.0 | 0.5 | 156 | 28.5 | 28.5 | 7.9 | 7.9 | 26.2 | 26.2 | 89.5 | 89.5 | 6.0 | 6.0 | 1.4 | 3.9 | 8 | 7 | 80 | 85 | 821051 | 805846 | <0.2 | <0.2 | 2.0 | 1.9 |
| | | | | | | 1.0 | 0.5 | 163 | 28 | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 24 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|-----|-------------------------|----|------------------------|----|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|---|---|---|---|---|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Fine | Moderate | 06:49 | 6.9 | Surface | 1.0 | 0.9 | 191 | 26.3 | 26.3 | 7.9 | 7.9 | 25.3 | 25.3 | 82.9 | 82.9 | 5.8 | 5.8 | 2.7 | 2.7 | 3 | 3 | 84 | 84 | 822097 | 808793 | <0.2 | <0.2 | 2.4 | 1.9 | | | | | | | | |
| | | | | | | 1.0 | 1.0 | 205 | 26.3 | 26.3 | 7.9 | 7.9 | 25.3 | 25.3 | 82.8 | 82.8 | 5.8 | 5.8 | 2.7 | 2.7 | 2 | 2 | 85 | 85 | | | | | | | | | | | | | | |
| | | | | | Middle | 3.5 | 0.8 | 200 | 26.3 | 26.3 | 7.9 | 7.9 | 29.0 | 29.0 | 82.6 | 82.7 | 5.7 | 5.7 | 3.2 | 3.2 | 4 | 4 | 90 | 90 | | | | | | | | | | | | | | |
| | | | | | | 3.5 | 0.8 | 200 | 26.3 | 26.3 | 7.9 | 7.9 | 28.9 | 29.0 | 82.7 | 82.7 | 5.7 | 5.7 | 3.3 | 3.3 | 4 | 4 | 90 | 90 | | | | | | | | | | | | | | |
| | | | | | Bottom | 5.9 | 0.7 | 212 | 26.2 | 26.2 | 7.9 | 7.9 | 30.0 | 30.0 | 84.6 | 84.7 | 5.8 | 5.8 | 4.5 | 4.5 | 4 | 4 | 92 | 92 | | | | | | | | | | | | | | |
| | | | | | | 5.9 | 0.8 | 226 | 26.2 | 26.2 | 7.9 | 7.9 | 30.0 | 30.0 | 84.7 | 84.7 | 5.8 | 5.8 | 4.5 | 4.5 | 3 | 3 | 92 | 92 | | | | | | | | | | | | | | |
| IM10 | Fine | Moderate | 06:43 | 7.7 | Surface | 1.0 | 0.7 | 185 | 26.4 | 26.4 | 7.9 | 7.9 | 26.2 | 26.2 | 85.4 | 85.4 | 5.9 | 5.9 | 2.7 | 2.7 | 2 | 2 | 83 | 83 | 822250 | 809822 | <0.2 | <0.2 | 2.0 | 2.0 | | | | | | | | |
| | | | | | | 1.0 | 0.8 | 195 | 26.4 | 26.4 | 7.9 | 7.9 | 26.2 | 26.2 | 85.3 | 85.4 | 5.9 | 5.9 | 2.7 | 2.7 | <2 | <2 | 85 | 85 | | | | | | | | | | | | | | |
| | | | | | Middle | 3.9 | 0.7 | 188 | 26.4 | 26.4 | 7.9 | 7.9 | 28.9 | 28.9 | 85.1 | 85.1 | 5.8 | 5.8 | 3.7 | 3.7 | 3 | 3 | 89 | 89 | | | | | | | | | | | | | | |
| | | | | | | 3.9 | 0.7 | 199 | 26.4 | 26.4 | 7.9 | 7.9 | 28.9 | 28.9 | 85.1 | 85.1 | 5.8 | 5.8 | 3.8 | 3.8 | 2 | 2 | 90 | 90 | | | | | | | | | | | | | | |
| | | | | | Bottom | 6.7 | 0.6 | 181 | 26.0 | 26.0 | 8.0 | 8.0 | 31.7 | 31.7 | 87.4 | 87.5 | 5.9 | 5.9 | 8.3 | 8.3 | 9 | 9 | 91 | 91 | | | | | | | | | | | | | | |
| | | | | | | 6.7 | 0.7 | 197 | 26.0 | 26.0 | 8.0 | 8.0 | 31.7 | 31.7 | 87.5 | 87.5 | 5.9 | 5.9 | 8.2 | 8.2 | 11 | 11 | 92 | 92 | | | | | | | | | | | | | | |
| IM11 | Fine | Moderate | 06:33 | 7.2 | Surface | 1.0 | 0.6 | 166 | 26.7 | 26.7 | 7.9 | 7.9 | 27.5 | 27.5 | 87.0 | 87.0 | 6.0 | 6.0 | 1.8 | 1.8 | 4 | 4 | 85 | 85 | 821517 | 810559 | <0.2 | <0.2 | 2.0 | 2.0 | | | | | | | | |
| | | | | | | 1.0 | 0.7 | 182 | 26.7 | 26.7 | 7.9 | 7.9 | 27.5 | 27.5 | 87.0 | 87.0 | 6.0 | 6.0 | 1.8 | 1.8 | 5 | 5 | 84 | 84 | | | | | | | | | | | | | | |
| | | | | | Middle | 3.6 | 0.5 | 181 | 26.4 | 26.4 | 7.9 | 7.9 | 28.8 | 28.8 | 85.1 | 85.1 | 5.8 | 5.8 | 2.4 | 2.4 | 4 | 4 | 90 | 90 | | | | | | | | | | | | | | |
| | | | | | | 3.6 | 0.5 | 184 | 26.4 | 26.4 | 7.9 | 7.9 | 28.8 | 28.8 | 85.1 | 85.1 | 5.8 | 5.8 | 2.4 | 2.4 | 3 | 3 | 89 | 89 | | | | | | | | | | | | | | |
| | | | | | Bottom | 6.2 | 0.6 | 190 | 26.2 | 26.2 | 7.9 | 7.9 | 29.5 | 29.5 | 89.8 | 91.3 | 6.1 | 6.1 | 3.6 | 3.6 | 6 | 6 | 92 | 92 | | | | | | | | | | | | | | |
| | | | | | | 6.2 | 0.6 | 194 | 26.2 | 26.2 | 7.9 | 7.9 | 29.5 | 29.5 | 92.8 | 91.3 | 6.4 | 6.4 | 3.2 | 3.2 | 8 | 8 | 92 | 92 | | | | | | | | | | | | | | |
| IM12 | Fine | Moderate | 06:25 | 8.7 | Surface | 1.0 | 0.5 | 159 | 26.4 | 26.4 | 7.9 | 7.9 | 28.0 | 28.0 | 87.9 | 87.9 | 6.0 | 6.0 | 2.2 | 2.2 | 3 | 3 | 87 | 87 | 821167 | 811527 | <0.2 | <0.2 | 1.7 | 1.9 | | | | | | | | |
| | | | | | | 1.0 | 0.5 | 162 | 26.4 | 26.4 | 7.9 | 7.9 | 28.0 | 28.0 | 87.9 | 87.9 | 6.0 | 6.0 | 2.2 | 2.2 | 5 | 5 | 85 | 85 | | | | | | | | | | | | | | |
| | | | | | Middle | 4.4 | 0.4 | 152 | 26.4 | 26.4 | 7.9 | 7.9 | 28.2 | 28.3 | 87.7 | 87.8 | 6.0 | 6.0 | 2.8 | 2.8 | 3 | 3 | 89 | 89 | | | | | | | | | | | | | | |
| | | | | | | 4.4 | 0.4 | 155 | 26.4 | 26.4 | 7.9 | 7.9 | 28.3 | 28.3 | 87.8 | 87.8 | 6.0 | 6.0 | 2.9 | 2.9 | 4 | 4 | 89 | 89 | | | | | | | | | | | | | | |
| | | | | | Bottom | 7.7 | 0.6 | 185 | 26.1 | 26.1 | 7.9 | 7.9 | 29.3 | 29.4 | 87.8 | 89.6 | 6.0 | 6.0 | 3.4 | 3.4 | 5 | 5 | 92 | 92 | | | | | | | | | | | | | | |
| | | | | | | 7.7 | 0.7 | 199 | 26.1 | 26.1 | 7.9 | 7.9 | 29.4 | 29.4 | 91.4 | 89.6 | 6.3 | 6.3 | 3.3 | 3.3 | 5 | 5 | 92 | 92 | | | | | | | | | | | | | | |
| SR2 | Fine | Calm | 06:04 | 4.5 | Surface | 1.0 | 0.5 | 87 | 26.3 | 26.3 | 7.8 | 7.8 | 29.3 | 29.3 | 88.0 | 87.9 | 6.0 | 6.0 | 4.4 | 4.4 | 5 | 5 | 88 | 88 | 821465 | 814152 | <0.2 | <0.2 | 1.5 | 1.6 | | | | | | | | |
| | | | | | | 1.0 | 0.5 | 91 | 26.3 | 26.3 | 7.8 | 7.8 | 29.2 | 29.3 | 87.8 | 87.9 | 6.0 | 6.0 | 4.6 | 4.6 | 4 | 4 | 87 | 87 | | | | | | | | | | | | | | |
| | | | | | Middle | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | - |
| | | | | | | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | - |
| | | | | | Bottom | 3.5 | 0.5 | 80 | 26.1 | 26.1 | 7.8 | 7.8 | 30.6 | 30.6 | 87.5 | 87.6 | 6.0 | 6.0 | 9.5 | 9.5 | 7 | 7 | 90 | 90 | | | | | | | | | | | | | | |
| | | | | | | 3.5 | 0.5 | 83 | 26.1 | 26.1 | 7.8 | 7.8 | 30.6 | 30.6 | 87.7 | 87.6 | 6.0 | 6.0 | 8.6 | 8.6 | 6 | 6 | 89 | 89 | | | | | | | | | | | | | | |
| SR3 | Fine | Moderate | 07:03 | 8.5 | Surface | 1.0 | 0.6 | 184 | 26.5 | 26.5 | 7.8 | 7.8 | 24.7 | 24.7 | 83.5 | 83.5 | 5.9 | 5.9 | 2.7 | 2.7 | 4 | 4 | - | - | 822131 | 807577 | - | - | - | - | | | | | | | | |
| | | | | | | 1.0 | 0.6 | 196 | 26.5 | 26.5 | 7.8 | 7.8 | 24.7 | 24.7 | 83.5 | 83.5 | 5.9 | 5.9 | 2.7 | 2.7 | 5 | 5 | - | - | | | | | | | | | | | | | | |
| | | | | | Middle | 4.3 | 0.4 | 201 | 26.2 | 26.2 | 7.9 | 7.9 | 27.6 | 27.6 | 81.7 | 81.7 | 5.7 | 5.7 | 4.5 | 4.5 | 5 | 5 | - | - | | | | | | | | | | | | | | |
| | | | | | | 4.3 | 0.4 | 211 | 26.2 | 26.2 | 7.9 | 7.9 | 27.6 | 27.6 | 81.7 | 81.7 | 5.7 | 5.7 | 4.4 | 4.4 | 4 | 4 | - | - | | | | | | | | | | | | | | |
| | | | | | Bottom | 7.5 | 0.4 | 226 | 26.2 | 26.2 | 7.9 | 7.9 | 29.0 | 29.0 | 83.4 | 83.9 | 5.7 | 5.7 | 7.9 | 7.9 | 9 | 9 | - | - | | | | | | | | | | | | | | |
| | | | | | | 7.5 | 0.4 | 242 | 26.2 | 26.2 | 7.9 | 7.9 | 29.0 | 29.0 | 84.3 | 83.9 | 5.8 | 5.8 | 7.9 | 7.9 | 7 | 7 | - | - | | | | | | | | | | | | | | |
| SR4A | Fine | Calm | 05:57 | 7.8 | Surface | 1.0 | 0.3 | 135 | 28.0 | 28.0 | 8.0 | 8.0 | 30.7 | 30.7 | 88.4 | 88.4 | 5.8 | 5.8 | 3.9 | 3.9 | 9 | 9 | - | - | 817207 | 807800 | - | - | - | - | | | | | | | | |
| | | | | | | 1.0 | 0.3 | 145 | 28.0 | 28.0 | 8.0 | 8.0 | 30.7 | 30.7 | 88.4 | 88.4 | 5.8 | 5.8 | 4.0 | 4.0 | 8 | 8 | - | - | | | | | | | | | | | | | | |
| | | | | | Middle | 3.9 | 0.4 | 99 | 28.0 | 28.0 | 8.0 | 8.0 | 31.0 | 31.0 | 87.4 | 87.4 | 5.8 | 5.8 | 7.8 | 7.8 | 14 | 14 | - | - | | | | | | | | | | | | | | |
| | | | | | | 3.9 | 0.4 | 106 | 28.0 | 28.0 | 8.0 | 8.0 | 31.0 | 31.0 | 87.4 | 87.4 | 5.8 | 5.8 | 7.5 | 7.5 | 13 | 13 | - | - | | | | | | | | | | | | | | |
| | | | | | Bottom | 6.8 | 0.3 | 123 | 28.0 | 28.0 | 8.0 | 8.0 | 31.2 | 31.2 | 89.9 | 90.0 | 5.9 | 5.9 | 7.9 | 7.9 | 14 | 14 | - | - | | | | | | | | | | | | | | |
| | | | | | | 6.8 | 0.3 | 124 | 28.0 | 28.0 | 8.0 | 8.0 | 31.2 | 31.2 | 90.0 | 90.0 | 5.9 | 5.9 | 7.8 | 7.8 | 16 | 16 | - | - | | | | | | | | | | | | | | |
| SR5A | Fine | Calm | 05:38 | 3.7 | Surface | 1.0 | 0.1 | 98 | 28.4 | 28.4 | 7.9 | 7.9 | 29.3 | 29.3 | 84.8 | 84.8 | 5.6 | 5.6 | 3.5 | 3.5 | 6 | 6 | - | - | 816605 | 810703 | - | - | - | - | | | | | | | | |
| | | | | | | 1.0 | 0.1 | 98 | 28.4 | 28.4 | 7.9 | 7.9 | 29.3 | 29.3 | 84.8 | 84.8 | 5.6 | 5.6 | 3.6 | 3.6 | 8 | 8 | - | - | | | | | | | | | | | | | | |
| | | | | | Middle | 1.9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | - |
| | | | | | | 1.9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | - |
| | | | | | Bottom | 2.7 | 0.2 | 154 | 28.2 | 28.2 | 8.0 | 8.0 | 29.8 | 29.8 | 84.3 | 84.3 | 5.6 | 5.6 | 5.5 | 5.5 | 13 | 13 | - | - | | | | | | | | | | | | | | |
| | | | | | | 2.7 | 0.2 | 161 | 28.2 | 28.2 | 8.0 | 8.0 | 29.8 | 29.8 | 84.3 | 84.3 | 5.6 | 5.6 | 5.4 | 5.4 | 12 | 12 | - | - | | | | | | | | | | | | | | |
| SR6 | Fine | Calm | 05:15 | 3.9 | Surface | 1.0 | 0.2 | 86 | 28.3 | 28.3 | 7.9 | 7.9 | 28.8 | 28.8 | 88.6 | 88.6 | 5.9 | 5.9 | 5.1 | 5.1 | 9 | 9 | - | - | 817883 | 814675 | - | - | - | - | | | | | | | | |
| | | | | | | 1.0 | 0.2 | 93 | 28.3 | 28.3 | 7.9 | 7.9 | 28.8 | 28.8 | 88.6 | 88.6 | 5.9 | 5.9 | 5.3 | 5.3 | 10 | 10 | - | - | | | | | | | | | | | | | | |
| | | | | | Middle | 2.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | |
| | | | | | | 2.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | | | - | - | - | - | - | - | - | |
| | | | | | Bottom | 2.9 | 0.2 | 96 | 28.2 | 28.2 | 7.9 | 7.9 | 29.1 | 29.1 | 90.3 | 90.7 | 6.0 | 6.0 | 7.0 | 7.0 | 12 | 12 | - | - | | | | | | | | | | | | | | |
| | | | | | | 2.9 | 0.2 | 100 | 28.2 | 28.2 | 7.9 | 7.9 | 29.1 | 29.1 | 91.1 | 90.7 | 6.0 | 6.0 | 7.9 | 7.9 | 14 | 14 | - | - | | | | | | | | | | | | | | |
| SR7 | Cloudy | Calm | 05:10 | 17.9 | Surface | 1.0 | 0.5 | 95 | 25.9 | 25.9 | 7.9 | 7.9 | 32.1 | 32.1 | 85.3 | 85.3 | 5.8 | 5.8 | 1.8 | 1.8 | 5 | 5 | - | - | 823625 | 823722 | - | - | - | - | | | | | | | | |
| | | | | | | 1.0 | 0.5 | 101 | 25.9 | 25.9 | 7.9 | 7.9 | 32.1 | 32.1 | 85.3 | 85.3 | 5.8 | 5.8 | 1.8 | 1.8 | 4 | 4 | - | - | | | | | | | | | | | | | | |
| | | | | | Middle | 9.0 | 0.5 | 106 | 25.9 | 25.9 | 7.9 | 7.9 | 32.3 | 32.3 | 83.8 | 83.8 | 5.7 | 5.7 | 2.1 | 2.1 | 4 | 4 | - | - | | | | | | | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 27 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|-------------------------|------|----------------|-----|-------------------------|------|------------------------|------|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | C1 | Fine | Calm | 17:22 | 8.6 | Surface | 1.0 | 0.9 | 223 | 29.5 | 29.5 | 8.0 | 8.0 | 23.1 | 23.2 | 95.9 | | | 95.7 | 6.4 | 6.2 | 1.1 | 6.6 | 3 | 3 | 80 |
| | | | | | Surface | 1.0 | 0.9 | 232 | 29.5 | 29.5 | 8.0 | 8.0 | 23.2 | 23.2 | 95.5 | 95.7 | 6.4 | 6.2 | 1.0 | 6.6 | 4 | 3 | 82 | 88 | | | <0.2 | <0.2 | 2.4 | | | | | |
| | | | | | Middle | 4.3 | 0.8 | 215 | 29.0 | 29.0 | 8.0 | 8.0 | 27.3 | 27.3 | 91.1 | 91.1 | 6.0 | 6.6 | 3.8 | 6.6 | 2 | 3 | 85 | 88 | | | <0.2 | <0.2 | 1.8 | | | | | |
| | | | | | Middle | 4.3 | 0.8 | 223 | 29.0 | 29.0 | 8.0 | 8.0 | 27.3 | 27.3 | 91.0 | 91.1 | 6.0 | 6.6 | 3.7 | 6.6 | 3 | 3 | 88 | 88 | | | <0.2 | <0.2 | 1.8 | | | | | |
| | | | | | Bottom | 7.6 | 0.8 | 205 | 28.7 | 28.7 | 8.0 | 8.0 | 29.9 | 29.9 | 88.9 | 88.9 | 5.8 | 5.8 | 15.0 | 5.8 | 3 | 5.8 | 3 | 96 | 88 | | | <0.2 | <0.2 | 1.7 | | | | |
| | | | | | Bottom | 7.6 | 0.9 | 213 | 28.7 | 28.7 | 8.0 | 8.0 | 29.9 | 29.9 | 88.9 | 88.9 | 5.8 | 5.8 | 15.2 | 5.8 | 3 | 5.8 | 3 | 96 | 88 | | | <0.2 | <0.2 | 1.8 | | | | |
| C2 | Fine | Moderate | 15:54 | 11.2 | Surface | 1.0 | 0.5 | 95 | 27.8 | 27.8 | 7.8 | 7.8 | 20.8 | 20.8 | 87.1 | 87.1 | 6.1 | 5.8 | 3.4 | 7.8 | 2 | 3 | 81 | 88 | 825697 | 806961 | <0.2 | <0.2 | 3.0 | 2.9 | | | | |
| | | | | | Surface | 1.0 | 0.5 | 98 | 27.8 | 27.8 | 7.8 | 7.8 | 20.8 | 20.8 | 87.1 | 87.1 | 6.1 | 5.8 | 3.4 | 7.8 | 4 | 7.8 | 4 | 82 | 88 | | | <0.2 | <0.2 | 2.8 | | | | |
| | | | | | Middle | 5.6 | 0.6 | 75 | 26.8 | 26.8 | 7.8 | 7.8 | 29.0 | 29.0 | 79.8 | 79.8 | 5.4 | 5.5 | 9.0 | 7.8 | 3 | 3 | 89 | 88 | | | <0.2 | <0.2 | 3.0 | | | | | |
| | | | | | Middle | 5.6 | 0.7 | 76 | 26.8 | 26.8 | 7.8 | 7.8 | 29.0 | 29.0 | 79.8 | 79.8 | 5.4 | 5.5 | 9.0 | 7.8 | 3 | 3 | 90 | 88 | | | <0.2 | <0.2 | 2.9 | | | | | |
| | | | | | Bottom | 10.2 | 0.9 | 63 | 26.5 | 26.5 | 7.8 | 7.8 | 29.9 | 29.9 | 80.2 | 80.2 | 5.5 | 5.5 | 11.0 | 5.5 | 4 | 5.5 | 92 | 88 | | | <0.2 | <0.2 | 2.8 | | | | | |
| | | | | | Bottom | 10.2 | 0.9 | 67 | 26.5 | 26.5 | 7.8 | 7.8 | 29.9 | 29.9 | 80.2 | 80.2 | 5.5 | 5.5 | 11.0 | 5.5 | 3 | 5.5 | 92 | 88 | | | <0.2 | <0.2 | 3.0 | | | | | |
| C3 | Cloudy | Moderate | 18:08 | 12.4 | Surface | 1.0 | 1.2 | 171 | 27.5 | 27.5 | 7.9 | 7.9 | 25.1 | 25.1 | 93.5 | 93.5 | 6.4 | 6.1 | 0.8 | 2.2 | 3 | 3 | 87 | 90 | 822126 | 817799 | <0.2 | <0.2 | 2.2 | 2.2 | | | | |
| | | | | | Surface | 1.0 | 1.2 | 177 | 27.5 | 27.5 | 7.9 | 7.9 | 25.1 | 25.1 | 93.5 | 93.5 | 6.4 | 6.1 | 0.8 | 2.2 | 3 | 2.2 | 3 | 88 | 90 | | | <0.2 | <0.2 | 2.2 | | | | |
| | | | | | Middle | 6.2 | 0.9 | 172 | 26.8 | 26.8 | 7.9 | 7.9 | 27.9 | 27.9 | 83.0 | 83.1 | 5.7 | 6.1 | 3.1 | 2.2 | 3 | 3 | 90 | 89 | | | <0.2 | <0.2 | 2.3 | 2.2 | | | | |
| | | | | | Middle | 6.2 | 0.9 | 177 | 26.8 | 26.8 | 7.9 | 7.9 | 27.8 | 27.9 | 83.1 | 83.1 | 5.7 | 6.1 | 3.1 | 2.2 | 3 | 2.2 | 3 | 89 | 89 | | | <0.2 | <0.2 | 2.2 | | | | |
| | | | | | Bottom | 11.4 | 0.4 | 172 | 26.6 | 26.6 | 7.9 | 7.9 | 29.4 | 29.4 | 82.5 | 82.6 | 5.6 | 5.6 | 2.8 | 5.6 | 3 | 5.6 | 3 | 93 | 89 | | | <0.2 | <0.2 | 2.1 | | | | |
| | | | | | Bottom | 11.4 | 0.5 | 176 | 26.6 | 26.6 | 7.9 | 7.9 | 29.3 | 29.4 | 82.6 | 82.6 | 5.6 | 5.6 | 2.8 | 5.6 | 4 | 5.6 | 4 | 92 | 89 | | | <0.2 | <0.2 | 2.2 | | | | |
| IM1 | Fine | Calm | 16:56 | 7.4 | Surface | 1.0 | 0.7 | 191 | 29.3 | 29.3 | 7.9 | 7.9 | 24.3 | 24.4 | 84.5 | 84.0 | 5.6 | 5.5 | 2.8 | 6.0 | 3 | 2 | 71 | 76 | 818331 | 806477 | <0.2 | <0.2 | 2.5 | 2.6 | | | | |
| | | | | | Surface | 1.0 | 0.7 | 205 | 29.2 | 29.2 | 7.9 | 7.9 | 24.4 | 24.4 | 83.4 | 83.4 | 5.6 | 5.5 | 2.9 | 6.0 | 2 | 6.0 | 2 | 68 | 76 | | | <0.2 | <0.2 | 2.6 | | | | |
| | | | | | Middle | 3.7 | 0.4 | 183 | 28.8 | 28.8 | 7.9 | 7.9 | 28.1 | 28.1 | 81.6 | 81.7 | 5.4 | 5.5 | 6.4 | 6.0 | 2 | 2 | 73 | 76 | | | <0.2 | <0.2 | 2.6 | 2.6 | | | | |
| | | | | | Middle | 3.7 | 0.5 | 193 | 28.8 | 28.8 | 7.9 | 7.9 | 28.0 | 28.1 | 81.7 | 81.7 | 5.4 | 5.5 | 6.4 | 6.0 | 2 | 2 | 75 | 76 | | | <0.2 | <0.2 | 2.6 | | | | | |
| | | | | | Bottom | 6.4 | 0.5 | 180 | 28.6 | 28.6 | 8.0 | 8.0 | 29.3 | 29.3 | 82.8 | 82.9 | 5.4 | 5.5 | 8.8 | 5.5 | 2 | 5.5 | 2 | 83 | 76 | | | <0.2 | <0.2 | 2.5 | | | | |
| | | | | | Bottom | 6.4 | 0.5 | 181 | 28.6 | 28.6 | 8.0 | 8.0 | 29.3 | 29.3 | 82.9 | 82.9 | 5.5 | 5.5 | 8.8 | 5.5 | 2 | 5.5 | 2 | 84 | 76 | | | <0.2 | <0.2 | 2.8 | | | | |
| IM2 | Fine | Calm | 16:44 | 7.7 | Surface | 1.0 | 0.9 | 216 | 29.4 | 29.4 | 7.9 | 7.9 | 24.3 | 24.3 | 85.5 | 85.0 | 5.7 | 5.6 | 2.2 | 5.6 | 3 | 3 | 73 | 81 | 818834 | 806204 | <0.2 | <0.2 | 2.7 | 2.2 | | | | |
| | | | | | Surface | 1.0 | 0.9 | 216 | 29.3 | 29.3 | 7.9 | 7.9 | 24.3 | 24.3 | 84.5 | 85.0 | 5.7 | 5.6 | 2.3 | 5.6 | 2 | 5.6 | 2 | 75 | 81 | | | <0.2 | <0.2 | 2.4 | | | | |
| | | | | | Middle | 3.9 | 0.6 | 207 | 28.8 | 28.8 | 7.9 | 7.9 | 27.5 | 27.5 | 81.4 | 81.4 | 5.4 | 5.4 | 6.1 | 5.6 | 2 | 5.6 | 2 | 80 | 81 | | | <0.2 | <0.2 | 1.9 | | | | |
| | | | | | Middle | 3.9 | 0.6 | 208 | 28.8 | 28.8 | 7.9 | 7.9 | 27.4 | 27.5 | 81.4 | 81.4 | 5.4 | 5.4 | 6.3 | 5.6 | 2 | 5.6 | 2 | 82 | 81 | | | <0.2 | <0.2 | 1.9 | | | | |
| | | | | | Bottom | 6.7 | 0.5 | 189 | 28.6 | 28.6 | 8.0 | 8.0 | 29.2 | 29.2 | 82.0 | 82.3 | 5.4 | 5.4 | 8.6 | 5.4 | 5 | 5.4 | 5 | 87 | 81 | | | <0.2 | <0.2 | 2.1 | | | | |
| | | | | | Bottom | 6.7 | 0.5 | 207 | 28.6 | 28.6 | 8.0 | 8.0 | 29.2 | 29.2 | 82.5 | 82.3 | 5.4 | 5.4 | 8.2 | 5.4 | 4 | 5.4 | 4 | 89 | 81 | | | <0.2 | <0.2 | 2.0 | | | | |
| IM3 | Fine | Calm | 16:38 | 7.6 | Surface | 1.0 | 0.8 | 211 | 29.4 | 29.4 | 7.9 | 7.9 | 24.3 | 24.4 | 86.1 | 85.8 | 5.8 | 5.6 | 1.8 | 5.1 | 4 | 3 | 74 | 81 | 819423 | 806001 | <0.2 | <0.2 | 1.6 | 1.7 | | | | |
| | | | | | Surface | 1.0 | 0.8 | 220 | 29.3 | 29.3 | 7.9 | 7.9 | 24.4 | 24.4 | 85.4 | 85.8 | 5.7 | 5.6 | 2.0 | 5.1 | 2 | 5.1 | 2 | 73 | 81 | | | <0.2 | <0.2 | 1.6 | | | | |
| | | | | | Middle | 3.8 | 0.7 | 217 | 28.8 | 28.8 | 7.9 | 7.9 | 27.9 | 27.8 | 80.7 | 80.8 | 5.3 | 5.3 | 5.7 | 5.1 | 3 | 5.1 | 3 | 79 | 81 | | | <0.2 | <0.2 | 1.9 | | | | |
| | | | | | Middle | 3.8 | 0.7 | 233 | 28.8 | 28.8 | 7.9 | 7.9 | 27.7 | 27.8 | 80.8 | 80.8 | 5.4 | 5.3 | 6.0 | 5.1 | 2 | 5.1 | 2 | 82 | 81 | | | <0.2 | <0.2 | 1.9 | | | | |
| | | | | | Bottom | 6.6 | 0.5 | 203 | 28.6 | 28.6 | 8.0 | 8.0 | 29.3 | 29.3 | 80.8 | 81.1 | 5.3 | 5.3 | 7.9 | 5.3 | 3 | 5.3 | 3 | 88 | 81 | | | <0.2 | <0.2 | 1.7 | | | | |
| | | | | | Bottom | 6.6 | 0.6 | 208 | 28.6 | 28.6 | 8.0 | 8.0 | 29.2 | 29.3 | 81.3 | 81.1 | 5.3 | 5.3 | 7.3 | 5.3 | 4 | 5.3 | 4 | 87 | 81 | | | <0.2 | <0.2 | 1.5 | | | | |
| IM4 | Fine | Calm | 16:30 | 7.9 | Surface | 1.0 | 0.8 | 205 | 29.2 | 29.3 | 7.9 | 7.9 | 25.8 | 25.2 | 83.6 | 83.2 | 5.5 | 5.4 | 2.1 | 4.2 | 4 | 4 | 73 | 81 | 819570 | 805058 | <0.2 | <0.2 | 2.5 | 1.8 | | | | |
| | | | | | Surface | 1.0 | 0.9 | 220 | 29.3 | 29.3 | 7.9 | 7.9 | 24.5 | 25.2 | 82.7 | 83.2 | 5.5 | 5.4 | 2.0 | 4.2 | 5 | 4.2 | 5 | 76 | 81 | | | <0.2 | <0.2 | 2.1 | | | | |
| | | | | | Middle | 4.0 | 0.6 | 210 | 28.8 | 28.8 | 7.9 | 7.9 | 27.5 | 27.5 | 80.1 | 80.1 | 5.3 | 5.4 | 4.6 | 4.2 | 3 | 4.2 | 3 | 80 | 81 | | | <0.2 | <0.2 | 1.8 | | | | |
| | | | | | Middle | 4.0 | 0.7 | 212 | 28.8 | 28.8 | 7.9 | 7.9 | 27.5 | 27.5 | 80.1 | 80.1 | 5.3 | 5.4 | 4.8 | 4.2 | 5 | 4.2 | 5 | 81 | 81 | | | <0.2 | <0.2 | 1.3 | | | | |
| | | | | | Bottom | 6.9 | 0.4 | 216 | 28.6 | 28.6 | 7.9 | 7.9 | 29.1 | 28.9 | 79.2 | 79.2 | 5.2 | 5.2 | 6.0 | 5.2 | 4 | 5.2 | 4 | 86 | 81 | | | <0.2 | <0.2 | 1.6 | | | | |
| | | | | | Bottom | 6.9 | 0.4 | 225 | 28.7 | 28.7 | 7.9 | 7.9 | 28.7 | 28.9 | 79.1 | 79.2 | 5.2 | 5.2 | 5.5 | 5.2 | 3 | 5.2 | 3 | 87 | 81 | | | <0.2 | <0.2 | 1.6 | | | | |
| IM5 | Fine | Calm | 16:23 | 6.6 | Surface | 1.0 | 0.9 | 201 | 29.4 | 29.4 | 7.9 | 7.9 | 24.7 | 24.7 | 87.5 | 87.2 | 5.8 | 5.7 | 0.9 | 3.4 | 2 | 3 | 73 | 81 | 820571 | 804936 | <0.2 | <0.2 | 2.3 | 2.0 | | | | |
| | | | | | Surface | 1.0 | 1.0 | 208 | 29.4 | 29.4 | 7.9 | 7.9 | 24.7 | 24.7 | 86.8 | 87.2 | 5.8 | 5.7 | 1.0 | 3.4 | 2 | 3 | 75 | 81 | | | <0.2 | <0.2 | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 27 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|------|-------------------------|-----|------------------------|--------|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| C1 | Fine | Calm | 10:05 | 8.4 | Surface | 1.0 | 0.9 | 214 | 29.3 | 29.3 | 8.0 | 8.0 | 23.7 | 23.7 | 96.0 | 96.0 | 6.4 | 6.1 | 1.0 | 7.1 | <2 | 4 | 82 | 92 | 815625 | 804266 | <0.2 | <0.2 | 2.4 | 1.5 | | |
| | | | | | | 1.0 | 0.9 | 215 | 29.3 | 8.0 | 8.0 | 23.7 | 23.7 | 95.9 | 96.0 | 6.4 | 6.1 | 1.1 | 7.1 | <2 | 4 | 84 | 92 | 815625 | 804266 | <0.2 | <0.2 | 2.4 | 1.5 | | | |
| | | | | | Middle | 4.2 | 0.6 | 249 | 28.5 | 28.5 | 8.0 | 8.0 | 31.5 | 31.5 | 88.5 | 88.5 | 5.8 | 5.7 | 6.8 | 7.1 | <2 | 4 | 90 | 92 | 815625 | 804266 | <0.2 | <0.2 | 1.3 | 1.5 | | |
| | | | | | | 4.2 | 0.6 | 252 | 28.5 | 28.5 | 8.0 | 8.0 | 31.5 | 31.5 | 88.5 | 88.5 | 5.8 | 5.7 | 6.9 | 7.1 | <2 | 4 | 92 | 92 | 815625 | 804266 | <0.2 | <0.2 | 1.3 | 1.5 | | |
| | | | | | Bottom | 7.4 | 0.4 | 256 | 28.4 | 28.4 | 8.0 | 8.0 | 31.8 | 31.8 | 88.7 | 88.8 | 5.7 | 5.7 | 13.3 | 5.7 | 13.3 | 5.7 | 8 | 8 | 101 | 100 | 815625 | 804266 | <0.2 | <0.2 | 0.6 | 0.8 |
| | | | | | | 7.4 | 0.4 | 271 | 28.4 | 28.4 | 8.0 | 8.0 | 31.8 | 31.8 | 88.8 | 88.8 | 5.7 | 5.7 | 13.2 | 5.7 | 13.2 | 5.7 | 8 | 8 | 100 | 100 | 815625 | 804266 | <0.2 | <0.2 | 0.6 | 0.8 |
| C2 | Fine | Moderate | 12:16 | 11.7 | Surface | 1.0 | 0.4 | 283 | 27.5 | 27.5 | 7.9 | 7.9 | 22.0 | 22.0 | 91.6 | 91.6 | 6.4 | 6.3 | 1.2 | 4.0 | <2 | <2 | 81 | 88 | 825662 | 806952 | <0.2 | <0.2 | 2.9 | 2.8 | | |
| | | | | | | 1.0 | 0.4 | 289 | 27.5 | 27.5 | 7.9 | 7.9 | 22.0 | 22.0 | 91.5 | 91.6 | 6.4 | 6.3 | 1.2 | 4.0 | <2 | <2 | 82 | 88 | 825662 | 806952 | <0.2 | <0.2 | 2.7 | 2.8 | | |
| | | | | | Middle | 5.9 | 0.4 | 268 | 27.2 | 27.2 | 7.8 | 7.8 | 23.9 | 23.9 | 87.6 | 87.6 | 6.1 | 5.4 | 2.1 | 4.0 | <2 | <2 | 90 | 88 | 825662 | 806952 | <0.2 | <0.2 | 2.7 | 2.8 | | |
| | | | | | | 5.9 | 0.4 | 276 | 27.2 | 27.2 | 7.8 | 7.8 | 23.9 | 23.9 | 87.6 | 87.6 | 6.1 | 5.4 | 2.1 | 4.0 | <2 | <2 | 89 | 88 | 825662 | 806952 | <0.2 | <0.2 | 2.6 | 2.8 | | |
| | | | | | Bottom | 10.7 | 0.4 | 235 | 26.7 | 26.7 | 7.8 | 7.8 | 28.6 | 28.6 | 78.8 | 78.9 | 5.4 | 5.4 | 8.8 | 5.4 | 8.8 | 5.4 | <2 | <2 | 92 | 92 | 825662 | 806952 | <0.2 | <0.2 | 2.8 | 2.8 |
| | | | | | | 10.7 | 0.4 | 238 | 26.7 | 26.7 | 7.8 | 7.8 | 28.6 | 28.6 | 78.9 | 78.9 | 5.4 | 5.4 | 8.8 | 5.4 | 8.8 | 5.4 | <2 | <2 | 92 | 92 | 825662 | 806952 | <0.2 | <0.2 | 2.8 | 2.8 |
| C3 | Fine | Moderate | 09:52 | 12.9 | Surface | 1.0 | 1.1 | 172 | 26.9 | 26.9 | 7.9 | 7.9 | 25.9 | 25.9 | 90.6 | 90.6 | 6.3 | 6.2 | 0.8 | 0.8 | <2 | 2 | 88 | 90 | 822101 | 817793 | <0.2 | <0.2 | 1.7 | 1.7 | | |
| | | | | | | 1.0 | 1.2 | 182 | 26.9 | 26.9 | 7.9 | 7.9 | 25.9 | 25.9 | 90.6 | 90.6 | 6.3 | 6.2 | 0.8 | 0.8 | 2 | 2 | 87 | 90 | 822101 | 817793 | <0.2 | <0.2 | 1.8 | 1.7 | | |
| | | | | | Middle | 6.5 | 0.5 | 171 | 26.7 | 26.7 | 7.8 | 7.8 | 28.0 | 28.0 | 87.8 | 87.8 | 6.0 | 6.1 | 0.8 | 0.8 | 0.8 | 0.8 | 2 | 2 | 91 | 90 | 822101 | 817793 | <0.2 | <0.2 | 1.7 | 1.7 |
| | | | | | | 6.5 | 0.6 | 178 | 26.7 | 26.7 | 7.8 | 7.8 | 28.0 | 28.0 | 87.8 | 87.8 | 6.0 | 6.1 | 0.8 | 0.8 | 0.8 | 0.8 | <2 | 2 | 90 | 90 | 822101 | 817793 | <0.2 | <0.2 | 1.7 | 1.7 |
| | | | | | Bottom | 11.9 | 0.4 | 185 | 26.7 | 26.7 | 7.8 | 7.8 | 28.5 | 28.6 | 89.5 | 89.6 | 6.1 | 6.1 | 0.8 | 6.1 | 0.8 | 6.1 | <2 | <2 | 93 | 92 | 822101 | 817793 | <0.2 | <0.2 | 1.4 | 1.6 |
| | | | | | | 11.9 | 0.4 | 185 | 26.7 | 26.7 | 7.8 | 7.8 | 28.6 | 28.6 | 89.6 | 89.6 | 6.1 | 6.1 | 0.8 | 6.1 | 0.8 | 6.1 | <2 | <2 | 92 | 92 | 822101 | 817793 | <0.2 | <0.2 | 1.6 | 1.6 |
| IM1 | Fine | Calm | 10:31 | 7.2 | Surface | 1.0 | 0.9 | 224 | 29.1 | 29.1 | 8.0 | 8.0 | 26.6 | 25.9 | 89.8 | 89.7 | 5.9 | 5.9 | 2.6 | 5.1 | 2 | 8 | 73 | 82 | 818333 | 806455 | <0.2 | <0.2 | 2.4 | 1.4 | | |
| | | | | | | 1.0 | 0.9 | 230 | 29.1 | 29.1 | 8.0 | 8.0 | 25.2 | 25.9 | 89.6 | 89.7 | 5.9 | 5.9 | 2.8 | 5.1 | 4 | 8 | 76 | 82 | 818333 | 806455 | <0.2 | <0.2 | 2.1 | 1.4 | | |
| | | | | | Middle | 3.6 | 0.8 | 237 | 28.5 | 28.5 | 8.0 | 8.0 | 30.3 | 30.3 | 87.5 | 87.5 | 5.8 | 5.8 | 5.4 | 5.1 | 8 | 8 | 80 | 82 | 818333 | 806455 | <0.2 | <0.2 | 1.0 | 1.4 | | |
| | | | | | | 3.6 | 0.8 | 252 | 28.5 | 28.5 | 8.0 | 8.0 | 30.3 | 30.3 | 87.5 | 87.5 | 5.8 | 5.8 | 5.5 | 5.1 | 8 | 8 | 82 | 82 | 818333 | 806455 | <0.2 | <0.2 | 1.0 | 1.4 | | |
| | | | | | Bottom | 6.2 | 0.7 | 237 | 28.5 | 28.5 | 8.0 | 8.0 | 30.6 | 30.6 | 88.4 | 88.4 | 5.8 | 5.8 | 6.9 | 5.8 | 6.9 | 5.8 | 11 | 12 | 88 | 90 | 818333 | 806455 | <0.2 | <0.2 | 0.8 | 0.8 |
| | | | | | | 6.2 | 0.7 | 250 | 28.5 | 28.5 | 8.0 | 8.0 | 30.6 | 30.6 | 88.4 | 88.4 | 5.8 | 5.8 | 7.1 | 5.8 | 7.1 | 5.8 | 12 | 12 | 90 | 90 | 818333 | 806455 | <0.2 | <0.2 | 0.8 | 0.8 |
| IM2 | Fine | Calm | 10:38 | 7.6 | Surface | 1.0 | 0.9 | 217 | 29.3 | 29.3 | 8.0 | 8.0 | 22.4 | 22.4 | 93.0 | 92.5 | 6.3 | 6.0 | 3.4 | 9.6 | <2 | 7 | 75 | 84 | 818837 | 806185 | <0.2 | <0.2 | 2.4 | 1.6 | | |
| | | | | | | 1.0 | 1.0 | 235 | 29.3 | 29.3 | 8.0 | 8.0 | 22.3 | 22.4 | 91.9 | 92.5 | 6.2 | 6.0 | 3.6 | 9.6 | 2 | 7 | 78 | 84 | 818837 | 806185 | <0.2 | <0.2 | 2.3 | 1.6 | | |
| | | | | | Middle | 3.8 | 0.6 | 236 | 28.7 | 28.7 | 8.0 | 8.0 | 29.0 | 29.0 | 88.1 | 88.1 | 5.8 | 5.8 | 8.7 | 9.6 | 6 | 7 | 86 | 84 | 818837 | 806185 | <0.2 | <0.2 | 1.5 | 1.6 | | |
| | | | | | | 3.8 | 0.7 | 249 | 28.7 | 28.7 | 8.0 | 8.0 | 29.0 | 29.0 | 88.1 | 88.1 | 5.8 | 5.8 | 8.8 | 9.6 | 7 | 7 | 84 | 84 | 818837 | 806185 | <0.2 | <0.2 | 1.4 | 1.6 | | |
| | | | | | Bottom | 6.6 | 0.6 | 243 | 28.6 | 28.6 | 8.0 | 8.0 | 29.9 | 29.9 | 87.9 | 88.0 | 5.8 | 5.8 | 16.3 | 5.8 | 16.3 | 5.8 | 10 | 13 | 90 | 91 | 818837 | 806185 | <0.2 | <0.2 | 1.2 | 1.0 |
| | | | | | | 6.6 | 0.7 | 255 | 28.6 | 28.6 | 8.0 | 8.0 | 29.9 | 29.9 | 88.0 | 88.0 | 5.8 | 5.8 | 16.6 | 5.8 | 16.6 | 5.8 | 13 | 13 | 91 | 91 | 818837 | 806185 | <0.2 | <0.2 | 1.0 | 1.0 |
| IM3 | Fine | Calm | 10:47 | 7.4 | Surface | 1.0 | 0.9 | 208 | 29.3 | 29.3 | 7.9 | 7.9 | 24.0 | 24.0 | 88.7 | 88.6 | 5.9 | 5.9 | 1.0 | 5.3 | 4 | 4 | 73 | 82 | 819417 | 806023 | <0.2 | <0.2 | 2.2 | 1.9 | | |
| | | | | | | 1.0 | 1.0 | 223 | 29.3 | 29.3 | 7.9 | 7.9 | 23.9 | 24.0 | 88.5 | 88.6 | 5.9 | 5.9 | 1.1 | 5.3 | 3 | 4 | 73 | 82 | 819417 | 806023 | <0.2 | <0.2 | 2.1 | 1.9 | | |
| | | | | | Middle | 3.7 | 0.7 | 233 | 29.2 | 29.2 | 7.9 | 7.9 | 26.9 | 26.7 | 87.6 | 87.7 | 5.8 | 5.8 | 1.3 | 5.3 | 4 | 4 | 82 | 84 | 819417 | 806023 | <0.2 | <0.2 | 2.0 | 1.9 | | |
| | | | | | | 3.7 | 0.7 | 248 | 29.2 | 29.2 | 7.9 | 7.9 | 26.4 | 26.7 | 87.7 | 87.7 | 5.8 | 5.8 | 1.2 | 5.3 | 4 | 4 | 84 | 84 | 819417 | 806023 | <0.2 | <0.2 | 1.8 | 1.9 | | |
| | | | | | Bottom | 6.4 | 0.6 | 241 | 28.4 | 28.4 | 8.0 | 8.0 | 30.4 | 30.4 | 84.9 | 85.1 | 5.6 | 5.6 | 13.2 | 5.6 | 13.2 | 5.6 | 5 | 4 | 90 | 91 | 819417 | 806023 | <0.2 | <0.2 | 1.5 | 1.5 |
| | | | | | | 6.4 | 0.6 | 242 | 28.4 | 28.4 | 8.0 | 8.0 | 30.4 | 30.4 | 85.3 | 85.3 | 5.6 | 5.6 | 13.9 | 5.6 | 13.9 | 5.6 | 4 | 4 | 91 | 91 | 819417 | 806023 | <0.2 | <0.2 | 1.5 | 1.5 |
| IM4 | Fine | Calm | 10:56 | 7.8 | Surface | 1.0 | 0.9 | 217 | 29.5 | 29.5 | 8.0 | 8.0 | 21.4 | 21.4 | 97.6 | 97.6 | 6.6 | 6.3 | 0.5 | 6.0 | 5 | 4 | 73 | 83 | 819565 | 805046 | <0.2 | <0.2 | 2.5 | 2.4 | | |
| | | | | | | 1.0 | 0.9 | 225 | 29.5 | 29.5 | 8.0 | 8.0 | 21.4 | 21.4 | 97.5 | 97.6 | 6.6 | 6.3 | 0.5 | 6.0 | 3 | 4 | 78 | 84 | 819565 | 805046 | <0.2 | <0.2 | 2.6 | 2.4 | | |
| | | | | | Middle | 3.9 | 0.6 | 234 | 29.0 | 29.0 | 8.0 | 8.0 | 25.0 | 25.0 | 91.2 | 90.7 | 6.1 | 6.0 | 4.1 | 6.0 | 3 | 4 | 82 | 84 | 819565 | 805046 | <0.2 | <0.2 | 2.3 | 2.4 | | |
| | | | | | | 3.9 | 0.7 | 239 | 29.0 | 29.0 | 8.0 | 8.0 | 25.0 | 25.0 | 90.2 | 90.7 | 6.0 | 6.0 | 4.2 | 6.0 | 3 | 4 | 84 | 84 | 819565 | 805046 | <0.2 | <0.2 | 2.2 | 2.4 | | |
| | | | | | Bottom | 6.8 | 0.5 | 245 | 28.5 | 28.5 | 8.0 | 8.0 | 30.1 | 30.1 | 87.2 | 87.3 | 5.7 | 5.7 | 13.3 | 5.7 | 13.3 | 5.7 | 3 | 4 | 91 | 89 | 819565 | 805046 | <0.2 | <0.2 | 2.2 | 2.4 |
| | | | | | | 6.8 | 0.6 | 250 | 28.5 | 28.5 | 8.0 | 8.0 | 30.1 | 30.1 | 87.4 | 87.3 | 5.7 | 5.7 | 13.3 | 5.7 | 13.3 | 5.7 | 4 | 4 | 89 | 89 | 819565 | 805046 | <0.2 | <0.2 | 2.3 | 2.4 |
| IM5 | Fine | Calm | 11:08 | 6.3 | Surface | 1.0 | 0.8 | 214 | 29.1 | 29.1 | 8.0 | 8.0 | 21.2 | 21.0 | 89.6 | 89.5 | 6.1 | 6.0 | 10.2 | 14.2 | 4 | 5 | 73 | 83 | 820557 | 804909 | <0.2 | <0.2 | 2.6 | 2.1 | | |
| | | | | | | 1.0 | 0.8 | 217 | 29.1 | 29.1 | 8.0 | 8.0 | 20.7 | 21.0 | 89.4 | 89.5 | 6.1 | 6.0 | 10.7 | 14.2 | 4 | 5 | 76 | 83 | 820557 | 804909 | <0.2 | <0.2 | 2.7 | 2.1 | | |
| | | | | | Middle | 3.2 | 0.6 | 235 | 28.8 | 28.8 | 8.0 | 8 | | | | | | | | | | | | | | | | | | | | |

**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

Water Quality Monitoring Results on 27 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|------|-----------------|-----|-------------------------|----|------------------------|--------|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Fine | Moderate | 11:20 | 6.8 | Surface | 1.0 | 1.0 | 186 | 27.3 | 7.9 | 7.9 | 23.9 | 23.9 | 93.2 | 93.2 | 6.5 | 6.0 | 0.8 | 5.6 | 2 | 3 | 83 | 89 | 822106 | 808801 | <0.2 | <0.2 | 2.4 | 2.3 | | | |
| | | | | | | 1.0 | 1.0 | 195 | 27.3 | 7.9 | 7.9 | 23.9 | 23.9 | 93.2 | 93.2 | 6.5 | 6.0 | 0.8 | 5.6 | 2 | 3 | 84 | 89 | 822106 | 808801 | <0.2 | <0.2 | 2.3 | 2.3 | | | |
| | | | | | Middle | 3.4 | 0.7 | 191 | 26.6 | 7.9 | 7.9 | 28.6 | 28.6 | 79.5 | 79.5 | 5.4 | 5.8 | 6.5 | 5.6 | 3 | 3 | 91 | 89 | 822106 | 808801 | <0.2 | <0.2 | 2.5 | 2.3 | | | |
| | | | | | | 3.4 | 0.7 | 206 | 26.7 | 7.9 | 7.9 | 28.6 | 28.6 | 79.5 | 79.5 | 5.4 | 5.8 | 6.5 | 5.6 | 2 | 3 | 90 | 89 | 822106 | 808801 | <0.2 | <0.2 | 2.5 | 2.3 | | | |
| | | | | | Bottom | 5.8 | 0.7 | 199 | 26.4 | 7.9 | 7.9 | 29.7 | 29.7 | 84.4 | 84.4 | 5.8 | 5.8 | 9.4 | 5.8 | 4 | 3 | 92 | 89 | 822106 | 808801 | <0.2 | <0.2 | 2.1 | 2.1 | | | |
| | | | | | | 5.8 | 0.7 | 207 | 26.4 | 7.9 | 7.9 | 29.7 | 29.7 | 84.5 | 84.5 | 5.8 | 5.8 | 9.4 | 5.8 | 2 | 3 | 92 | 89 | 822106 | 808801 | <0.2 | <0.2 | 2.1 | 2.1 | | | |
| IM10 | Fine | Moderate | 11:09 | 7.5 | Surface | 1.0 | 0.7 | 164 | 27.3 | 7.9 | 7.9 | 24.7 | 24.7 | 89.1 | 89.1 | 6.2 | 5.9 | 1.2 | 4.5 | 2 | 3 | 84 | 89 | 822222 | 809855 | <0.2 | <0.2 | 2.2 | 2.0 | | | |
| | | | | | | 1.0 | 0.7 | 167 | 27.3 | 7.9 | 7.9 | 24.7 | 24.7 | 89.0 | 89.1 | 6.2 | 5.9 | 1.3 | 4.5 | 3 | 3 | 85 | 89 | 822222 | 809855 | <0.2 | <0.2 | 2.1 | 2.0 | | | |
| | | | | | Middle | 3.8 | 0.3 | 169 | 26.6 | 7.9 | 7.9 | 28.5 | 28.0 | 79.9 | 80.4 | 5.5 | 5.6 | 4.6 | 4.5 | 2 | 3 | 89 | 89 | 822222 | 809855 | <0.2 | <0.2 | 1.8 | 2.0 | | | |
| | | | | | | 3.8 | 0.4 | 169 | 26.7 | 7.9 | 7.9 | 27.5 | 28.0 | 80.9 | 80.4 | 5.6 | 5.6 | 4.3 | 4.5 | 4 | 3 | 90 | 89 | 822222 | 809855 | <0.2 | <0.2 | 1.9 | 2.0 | | | |
| | | | | | Bottom | 6.5 | 0.4 | 194 | 26.5 | 7.9 | 7.9 | 29.4 | 29.5 | 82.1 | 82.3 | 5.6 | 5.6 | 7.6 | 5.6 | 2 | 3 | 92 | 89 | 822222 | 809855 | <0.2 | <0.2 | 2.0 | 2.0 | | | |
| | | | | | | 6.5 | 0.4 | 213 | 26.5 | 7.9 | 7.9 | 29.5 | 29.5 | 82.4 | 82.3 | 5.6 | 5.6 | 7.7 | 5.6 | 4 | 3 | 92 | 89 | 822222 | 809855 | <0.2 | <0.2 | 1.8 | 2.0 | | | |
| IM11 | Fine | Moderate | 10:58 | 8.2 | Surface | 1.0 | 0.6 | 152 | 27.3 | 7.9 | 7.9 | 23.7 | 23.7 | 90.2 | 90.2 | 6.3 | 6.2 | 1.1 | 3.8 | 2 | 2 | 83 | 87 | 821511 | 810534 | <0.2 | <0.2 | 2.5 | 2.4 | | | |
| | | | | | | 1.0 | 0.6 | 163 | 27.3 | 7.9 | 7.9 | 23.7 | 23.7 | 90.2 | 90.2 | 6.3 | 6.2 | 1.2 | 3.8 | <2 | 2 | 75 | 87 | 821511 | 810534 | <0.2 | <0.2 | 2.5 | 2.4 | | | |
| | | | | | Middle | 4.1 | 0.5 | 153 | 26.9 | 7.9 | 7.9 | 26.6 | 26.6 | 88.1 | 88.1 | 6.1 | 6.1 | 2.3 | 3.8 | 3 | 2 | 90 | 87 | 821511 | 810534 | <0.2 | <0.2 | 2.3 | 2.4 | | | |
| | | | | | | 4.1 | 0.6 | 166 | 26.9 | 7.9 | 7.9 | 26.6 | 26.6 | 88.0 | 88.1 | 6.1 | 6.1 | 2.3 | 3.8 | 2 | 2 | 89 | 87 | 821511 | 810534 | <0.2 | <0.2 | 2.4 | 2.4 | | | |
| | | | | | Bottom | 7.2 | 0.4 | 149 | 26.5 | 7.9 | 7.9 | 29.3 | 29.3 | 85.7 | 85.8 | 5.8 | 5.8 | 7.9 | 5.8 | <2 | 2 | 93 | 87 | 821511 | 810534 | <0.2 | <0.2 | 2.3 | 2.4 | | | |
| | | | | | | 7.2 | 0.5 | 156 | 26.5 | 7.9 | 7.9 | 29.3 | 29.3 | 85.8 | 85.8 | 5.8 | 5.8 | 7.8 | 5.8 | <2 | 2 | 92 | 87 | 821511 | 810534 | <0.2 | <0.2 | 2.4 | 2.4 | | | |
| IM12 | Fine | Moderate | 10:47 | 9.0 | Surface | 1.0 | 0.4 | 124 | 27.3 | 7.9 | 7.9 | 23.1 | 23.1 | 92.3 | 92.3 | 6.4 | 6.4 | 0.9 | 2.7 | <2 | 2 | 85 | 89 | 821149 | 811538 | <0.2 | <0.2 | 2.6 | 2.5 | | | |
| | | | | | | 1.0 | 0.5 | 127 | 27.3 | 7.9 | 7.9 | 23.1 | 23.1 | 92.3 | 92.3 | 6.4 | 6.4 | 0.9 | 2.7 | <2 | 2 | 84 | 89 | 821149 | 811538 | <0.2 | <0.2 | 2.4 | 2.5 | | | |
| | | | | | Middle | 4.5 | - | - | 27.1 | 7.9 | 7.9 | 23.7 | 23.7 | 91.2 | 91.2 | 6.4 | 6.4 | 1.3 | 2.7 | <2 | 2 | 90 | 89 | 821149 | 811538 | <0.2 | <0.2 | 2.4 | 2.5 | | | |
| | | | | | | 4.5 | - | - | 27.1 | 7.9 | 7.9 | 23.7 | 23.7 | 91.2 | 91.2 | 6.4 | 6.4 | 1.3 | 2.7 | <2 | 2 | 90 | 89 | 821149 | 811538 | <0.2 | <0.2 | 2.5 | 2.5 | | | |
| | | | | | Bottom | 8.0 | 0.3 | 131 | 26.9 | 7.8 | 7.8 | 25.6 | 25.6 | 88.4 | 88.4 | 6.1 | 6.1 | 5.9 | 6.1 | 2 | 2 | 92 | 89 | 821149 | 811538 | <0.2 | <0.2 | 2.7 | 2.4 | | | |
| | | | | | | 8.0 | 0.3 | 136 | 26.9 | 7.8 | 7.8 | 25.6 | 25.6 | 88.4 | 88.4 | 6.1 | 6.1 | 6.0 | 6.1 | 3 | 2 | 92 | 89 | 821149 | 811538 | <0.2 | <0.2 | 2.4 | 2.4 | | | |
| SR2 | Fine | Moderate | 10:21 | 4.3 | Surface | 1.0 | 0.3 | 163 | 27.2 | 7.8 | 7.8 | 22.6 | 22.6 | 96.6 | 96.6 | 6.8 | 6.8 | 0.8 | 1.3 | <2 | <2 | 87 | 88 | 821444 | 814148 | <0.2 | <0.2 | 2.6 | 2.5 | | | |
| | | | | | | 1.0 | 0.3 | 179 | 27.2 | 7.8 | 7.8 | 22.5 | 22.6 | 96.6 | 96.6 | 6.8 | 6.8 | 0.8 | 1.3 | <2 | <2 | 85 | 88 | 821444 | 814148 | <0.2 | <0.2 | 2.4 | 2.5 | | | |
| | | | | | Middle | 2.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 88 | 821444 | 814148 | <0.2 | <0.2 | - | - |
| | | | | | | 2.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 88 | 821444 | 814148 | <0.2 | <0.2 | - | - |
| | | | | | Bottom | 3.3 | 0.3 | 195 | 27.0 | 7.8 | 7.8 | 24.5 | 24.6 | 99.2 | 99.9 | 6.9 | 7.0 | 1.8 | 7.0 | 1.8 | 7.0 | <2 | <2 | 90 | 88 | 821444 | 814148 | <0.2 | <0.2 | 2.5 | 2.5 | |
| | | | | | | 3.3 | 0.3 | 208 | 27.0 | 7.8 | 7.8 | 24.6 | 24.6 | 100.5 | 99.9 | 7.0 | 7.0 | 1.8 | 7.0 | 1.8 | 7.0 | <2 | <2 | 90 | 88 | 821444 | 814148 | <0.2 | <0.2 | 2.5 | 2.5 | |
| SR3 | Fine | Moderate | 11:37 | 8.4 | Surface | 1.0 | 0.9 | 182 | 27.5 | 7.9 | 7.9 | 23.2 | 23.2 | 90.6 | 90.5 | 6.3 | 5.9 | 1.0 | 6.7 | <2 | 2 | - | - | 822141 | 807561 | - | - | - | - | | | |
| | | | | | | 1.0 | 1.0 | 195 | 27.5 | 7.9 | 7.9 | 23.2 | 23.2 | 90.4 | 90.5 | 6.3 | 5.9 | 1.0 | 6.7 | 2 | 2 | - | - | 822141 | 807561 | - | - | - | - | | | |
| | | | | | Middle | 4.2 | 0.6 | 197 | 26.8 | 7.9 | 7.9 | 27.6 | 27.6 | 80.8 | 80.8 | 5.5 | 5.5 | 4.2 | 6.7 | <2 | 2 | - | - | - | - | 822141 | 807561 | - | - | - | - | |
| | | | | | | 4.2 | 0.6 | 210 | 26.8 | 7.9 | 7.9 | 27.5 | 27.6 | 80.7 | 80.8 | 5.5 | 5.5 | 4.2 | 6.7 | 2 | 2 | - | - | - | - | 822141 | 807561 | - | - | - | - | |
| | | | | | Bottom | 7.4 | 0.5 | 222 | 26.5 | 7.9 | 7.9 | 29.3 | 29.3 | 80.8 | 80.9 | 5.5 | 5.5 | 14.8 | 5.5 | 2 | 2 | - | - | - | - | 822141 | 807561 | - | - | - | - | |
| | | | | | | 7.4 | 0.5 | 233 | 26.5 | 7.9 | 7.9 | 29.3 | 29.3 | 80.9 | 80.9 | 5.5 | 5.5 | 14.8 | 5.5 | 2 | 2 | - | - | - | - | 822141 | 807561 | - | - | - | - | |
| SR4A | Fine | Calm | 09:44 | 7.9 | Surface | 1.0 | 0.4 | 253 | 28.9 | 8.0 | 8.0 | 27.4 | 27.4 | 88.7 | 88.7 | 5.5 | 5.6 | 3.6 | 6.3 | 7 | 10 | - | - | 817190 | 807795 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.4 | 260 | 28.9 | 8.0 | 8.0 | 27.4 | 27.4 | 88.6 | 88.7 | 5.5 | 5.6 | 3.6 | 6.3 | 6 | 10 | - | - | 817190 | 807795 | - | - | - | - | | | |
| | | | | | Middle | 4.0 | 0.5 | 246 | 28.6 | 8.0 | 8.0 | 29.9 | 29.9 | 85.2 | 85.3 | 5.6 | 5.6 | 7.0 | 6.3 | 11 | 10 | - | - | - | - | 817190 | 807795 | - | - | - | - | |
| | | | | | | 4.0 | 0.5 | 251 | 28.6 | 8.0 | 8.0 | 29.9 | 29.9 | 85.3 | 85.3 | 5.6 | 5.6 | 6.9 | 6.3 | 11 | 10 | - | - | - | - | 817190 | 807795 | - | - | - | - | |
| | | | | | Bottom | 6.9 | 0.4 | 244 | 28.5 | 8.0 | 8.0 | 30.3 | 30.3 | 86.4 | 86.6 | 5.5 | 5.5 | 8.4 | 5.5 | 13 | 10 | - | - | - | - | 817190 | 807795 | - | - | - | - | |
| | | | | | | 6.9 | 0.4 | 245 | 28.5 | 8.0 | 8.0 | 30.3 | 30.3 | 86.8 | 86.6 | 5.5 | 5.5 | 8.4 | 5.5 | 13 | 10 | - | - | - | - | 817190 | 807795 | - | - | - | - | |
| SR5A | Fine | Calm | 09:27 | 4.0 | Surface | 1.0 | 0.3 | 293 | 29.2 | 8.0 | 8.0 | 26.2 | 26.2 | 97.3 | 97.3 | 6.4 | 6.4 | 3.0 | 4.4 | 7 | 7 | - | - | 816605 | 810694 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.3 | 294 | 29.2 | 8.0 | 8.0 | 26.2 | 26.2 | 97.3 | 97.3 | 6.4 | 6.4 | 3.2 | 4.4 | 6 | 7 | - | - | 816605 | 810694 | - | - | - | - | | | |
| | | | | | Middle | 2.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 816605 | 810694 | - | - | - | - | |
| | | | | | | 2.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 816605 | 810694 | - | - | - | - | |
| | | | | | Bottom | 3.0 | 0.3 | 299 | 29.3 | 7.9 | 7.9 | 27.8 | 27.8 | 98.2 | 98.4 | 6.4 | 6.5 | 6.0 | 6.5 | 6 | 7 | - | - | - | - | 816605 | 810694 | - | - | - | - | |
| | | | | | | 3.0 | 0.4 | 299 | 29.3 | 7.9 | 7.9 | 27.8 | 27.8 | 98.6 | 98.6 | 6.5 | 6.5 | 5.5 | 6.5 | 7 | 7 | - | - | - | - | 816605 | 810694 | - | - | - | - | |
| SR6 | Fine | Calm | 08:59 | 4.2 | Surface | 1.0 | 0.3 | 245 | 29. | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 29 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen (mg/L) | | Turbidity(NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|------|-------------------------|-----|----------------|------|-------------------------|-----|------------------------|----|-------------------------------|------------------------------|-----------------|------|---------------|-----|-------|----|-------|----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | Value | DA |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | Fine | Rough | 18:02 | 8.9 | Surface | 1.0 | 0.6 | 184 | 28.4 | 28.4 | 8.0 | 8.0 | 28.9 | 28.9 | 94.4 | 94.4 | 6.2 | 6.1 | 1.8 | 4.2 | 6 | 8 | 80 | 86 | 815621 | 804244 | <0.2 | <0.2 | 1.9 | 2.0 | | | | |
| | | | | | | 1.0 | 0.6 | 185 | 28.4 | 28.4 | 8.0 | 8.0 | 28.9 | 28.9 | 94.3 | 94.4 | 6.2 | 6.1 | 1.9 | 4.2 | 6 | 8 | 78 | 86 | | | <0.2 | <0.2 | 2.2 | 2.0 | | | | |
| | | | | | | 4.5 | 0.5 | 205 | 28.3 | 28.3 | 8.1 | 8.1 | 29.6 | 29.6 | 91.2 | 91.2 | 6.0 | 6.1 | 3.8 | 7.0 | 8 | 7 | 86 | 90 | | | <0.2 | <0.2 | 1.9 | 2.0 | | | | |
| | | | | | Middle | 4.5 | 0.6 | 223 | 28.3 | 28.3 | 8.1 | 8.1 | 29.5 | 29.6 | 91.1 | 91.2 | 6.0 | 6.1 | 3.9 | 7.0 | 8 | 7 | 87 | 90 | | | <0.2 | <0.2 | 1.9 | 2.0 | | | | |
| | | | | | | 7.9 | 0.5 | 214 | 28.1 | 28.1 | 8.1 | 8.1 | 31.5 | 31.5 | 90.2 | 90.5 | 5.9 | 5.9 | 7.1 | 7.0 | 9 | 7 | 92 | 92 | | | <0.2 | <0.2 | 2.0 | 2.0 | | | | |
| | | | | | | 7.9 | 0.5 | 218 | 28.1 | 28.1 | 8.1 | 8.1 | 31.4 | 31.5 | 90.7 | 90.5 | 5.9 | 5.9 | 6.9 | 7.0 | 8 | 7 | 94 | 92 | | | <0.2 | <0.2 | 1.8 | 2.0 | | | | |
| C2 | Cloudy | Rough | 16:53 | 11.2 | Surface | 1.0 | 0.5 | 119 | 26.3 | 26.3 | 7.9 | 7.9 | 24.9 | 24.9 | 90.9 | 90.9 | 6.4 | 6.2 | 4.4 | 7.0 | 6 | 7 | 81 | 87 | 825673 | 806954 | <0.2 | <0.2 | 2.4 | 2.4 | | | | |
| | | | | | | 1.0 | 0.5 | 129 | 26.3 | 26.3 | 7.9 | 7.9 | 24.9 | 24.9 | 90.8 | 90.8 | 6.4 | 6.2 | 4.5 | 7.0 | 5 | 7 | 81 | 89 | | | <0.2 | <0.2 | 2.6 | 2.4 | | | | |
| | | | | | | 5.6 | 0.4 | 102 | 26.4 | 26.4 | 7.9 | 7.9 | 27.2 | 27.2 | 86.6 | 86.6 | 6.0 | 6.0 | 7.8 | 7.0 | 8 | 7 | 89 | 90 | | | <0.2 | <0.2 | 2.4 | 2.4 | | | | |
| | | | | | Middle | 5.6 | 0.4 | 108 | 26.4 | 26.4 | 7.9 | 7.9 | 27.1 | 27.2 | 86.5 | 86.6 | 6.0 | 6.0 | 7.8 | 7.0 | 8 | 7 | 87 | 91 | | | <0.2 | <0.2 | 2.5 | 2.5 | | | | |
| | | | | | | 10.2 | 0.8 | 87 | 26.5 | 26.5 | 7.9 | 7.9 | 29.0 | 29.0 | 88.1 | 88.1 | 6.0 | 6.0 | 8.8 | 6.0 | 7 | 7 | 90 | 91 | | | <0.2 | <0.2 | 2.1 | 2.1 | | | | |
| | | | | | | 10.2 | 0.9 | 89 | 26.5 | 26.5 | 7.9 | 7.9 | 29.0 | 29.0 | 88.1 | 88.1 | 6.0 | 6.0 | 8.8 | 6.0 | 7 | 7 | 91 | 91 | | | <0.2 | <0.2 | 2.1 | 2.1 | | | | |
| C3 | Cloudy | Moderate | 18:38 | 11.8 | Surface | 1.0 | 0.8 | 172 | 26.2 | 26.2 | 7.9 | 7.9 | 28.0 | 28.0 | 91.6 | 91.6 | 6.3 | 6.3 | 6.0 | 7.0 | 7 | 7 | 87 | 90 | 822128 | 817803 | <0.2 | <0.2 | 1.6 | 1.7 | | | | |
| | | | | | | 1.0 | 0.9 | 183 | 26.2 | 26.2 | 7.9 | 7.9 | 28.0 | 28.0 | 91.6 | 91.6 | 6.3 | 6.3 | 6.0 | 7.0 | 7 | 7 | 88 | 90 | | | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | | 5.9 | 0.3 | 180 | 26.2 | 26.2 | 7.9 | 7.9 | 28.2 | 28.2 | 91.1 | 91.1 | 6.3 | 6.3 | 6.1 | 7.0 | 7 | 7 | 87 | 90 | | | <0.2 | <0.2 | 1.5 | 1.6 | | | | |
| | | | | | Middle | 5.9 | 0.4 | 191 | 26.2 | 26.2 | 7.9 | 7.9 | 28.2 | 28.2 | 91.1 | 91.1 | 6.3 | 6.3 | 6.1 | 7.0 | 8 | 7 | 90 | 90 | | | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| | | | | | | 10.8 | 0.4 | 130 | 26.3 | 26.3 | 7.9 | 7.9 | 28.4 | 28.4 | 93.6 | 93.7 | 6.4 | 6.5 | 8.7 | 6.5 | 7 | 7 | 92 | 92 | | | <0.2 | <0.2 | 1.8 | 1.8 | | | | |
| | | | | | | 10.8 | 0.4 | 142 | 26.3 | 26.3 | 7.9 | 7.9 | 28.4 | 28.4 | 93.7 | 93.7 | 6.4 | 6.5 | 8.9 | 6.5 | 8 | 7 | 92 | 92 | | | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| IM1 | Fine | Rough | 17:40 | 7.3 | Surface | 1.0 | 0.9 | 169 | 28.5 | 28.5 | 8.0 | 8.0 | 29.4 | 29.4 | 92.3 | 92.3 | 6.4 | 6.1 | 3.0 | 5.7 | 11 | 17 | 73 | 80 | 818349 | 806450 | <0.2 | <0.2 | 1.9 | 1.9 | | | | |
| | | | | | | 1.0 | 0.9 | 180 | 28.5 | 28.5 | 8.0 | 8.0 | 29.4 | 29.4 | 92.2 | 92.3 | 6.3 | 6.1 | 2.8 | 5.7 | 13 | 17 | 76 | 79 | | | <0.2 | <0.2 | 2.0 | 2.0 | | | | |
| | | | | | | 3.7 | 0.9 | 181 | 28.4 | 28.4 | 8.0 | 8.0 | 29.7 | 29.7 | 89.4 | 89.4 | 5.9 | 5.8 | 5.3 | 5.7 | 16 | 17 | 81 | 86 | | | <0.2 | <0.2 | 1.8 | 1.8 | | | | |
| | | | | | Middle | 3.7 | 0.9 | 194 | 28.4 | 28.4 | 8.0 | 8.0 | 29.7 | 29.7 | 89.3 | 89.4 | 5.9 | 5.8 | 5.3 | 5.7 | 16 | 17 | 81 | 86 | | | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | | 6.3 | 0.9 | 186 | 28.3 | 28.3 | 8.0 | 8.0 | 30.3 | 30.3 | 87.7 | 87.7 | 5.8 | 5.8 | 9.0 | 5.8 | 22 | 17 | 86 | 83 | | | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | | 6.3 | 0.9 | 190 | 28.3 | 28.3 | 8.0 | 8.0 | 30.3 | 30.3 | 87.7 | 87.7 | 5.8 | 5.8 | 9.0 | 5.8 | 21 | 17 | 83 | 83 | | | <0.2 | <0.2 | 1.8 | 1.8 | | | | |
| IM2 | Fine | Rough | 17:33 | 7.4 | Surface | 1.0 | 0.9 | 170 | 28.2 | 28.2 | 8.0 | 8.0 | 26.7 | 26.7 | 95.0 | 95.0 | 6.4 | 6.4 | 6.8 | 9.9 | 8 | 11 | 73 | 80 | 818855 | 806199 | <0.2 | <0.2 | 1.8 | 1.6 | | | | |
| | | | | | | 1.0 | 0.9 | 185 | 28.2 | 28.2 | 8.0 | 8.0 | 26.7 | 26.7 | 94.9 | 95.0 | 6.4 | 6.4 | 7.5 | 9.9 | 9 | 11 | 75 | 79 | | | <0.2 | <0.2 | 1.9 | 1.6 | | | | |
| | | | | | | 3.7 | 0.7 | 180 | 28.2 | 28.2 | 8.0 | 8.0 | 27.0 | 27.0 | 95.3 | 95.3 | 6.4 | 6.4 | 12.0 | 9.9 | 10 | 11 | 79 | 82 | | | <0.2 | <0.2 | 1.5 | 1.6 | | | | |
| | | | | | Middle | 3.7 | 0.8 | 183 | 28.2 | 28.2 | 8.0 | 8.0 | 27.0 | 27.0 | 95.3 | 95.3 | 6.4 | 6.4 | 12.0 | 9.9 | 9 | 11 | 82 | 87 | | | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| | | | | | | 6.4 | 0.5 | 172 | 28.2 | 28.2 | 8.0 | 8.0 | 27.3 | 27.3 | 99.2 | 99.5 | 6.6 | 6.7 | 10.8 | 6.7 | 15 | 11 | 87 | 84 | | | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| | | | | | | 6.4 | 0.6 | 172 | 28.2 | 28.2 | 8.0 | 8.0 | 27.3 | 27.3 | 99.7 | 99.7 | 6.7 | 6.7 | 10.4 | 6.7 | 15 | 11 | 84 | 84 | | | <0.2 | <0.2 | 1.3 | 1.3 | | | | |
| IM3 | Fine | Rough | 17:26 | 7.6 | Surface | 1.0 | 0.9 | 153 | 28.2 | 28.2 | 8.0 | 8.0 | 26.3 | 26.3 | 95.2 | 95.2 | 6.4 | 6.4 | 2.3 | 4.8 | 4 | 5 | 68 | 76 | 819429 | 806032 | <0.2 | <0.2 | 1.8 | 1.8 | | | | |
| | | | | | | 1.0 | 0.9 | 167 | 28.2 | 28.2 | 8.0 | 8.0 | 26.3 | 26.3 | 95.2 | 95.2 | 6.4 | 6.4 | 2.3 | 4.8 | 6 | 5 | 71 | 77 | | | <0.2 | <0.2 | 2.0 | 2.0 | | | | |
| | | | | | | 3.8 | 0.8 | 166 | 28.2 | 28.2 | 8.0 | 8.0 | 26.4 | 26.4 | 94.9 | 94.9 | 6.4 | 6.4 | 3.9 | 4.8 | 4 | 5 | 77 | 83 | | | <0.2 | <0.2 | 1.9 | 1.9 | | | | |
| | | | | | Middle | 3.8 | 0.8 | 176 | 28.2 | 28.2 | 8.0 | 8.0 | 26.3 | 26.4 | 94.8 | 94.9 | 6.4 | 6.4 | 4.1 | 4.8 | 4 | 5 | 75 | 83 | | | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| | | | | | | 6.6 | 0.6 | 181 | 28.2 | 28.2 | 8.0 | 8.0 | 27.9 | 28.1 | 95.2 | 95.7 | 6.4 | 6.4 | 7.7 | 6.4 | 5 | 5 | 83 | 84 | | | <0.2 | <0.2 | 1.7 | 1.7 | | | | |
| | | | | | | 6.6 | 0.6 | 192 | 28.2 | 28.2 | 8.0 | 8.0 | 28.2 | 28.1 | 96.2 | 95.7 | 6.4 | 6.4 | 8.5 | 6.4 | 5 | 5 | 84 | 84 | | | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| IM4 | Fine | Rough | 17:17 | 7.7 | Surface | 1.0 | 0.9 | 169 | 28.1 | 28.1 | 8.0 | 8.0 | 26.4 | 26.4 | 96.2 | 96.2 | 6.5 | 6.4 | 3.0 | 6.6 | 6 | 8 | 72 | 78 | 819566 | 805053 | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | | 1.0 | 0.9 | 181 | 28.1 | 28.1 | 8.0 | 8.0 | 26.4 | 26.4 | 96.1 | 96.2 | 6.5 | 6.4 | 3.0 | 6.6 | 8 | 8 | 71 | 77 | | | <0.2 | <0.2 | 1.5 | 1.5 | | | | |
| | | | | | | 3.9 | 0.7 | 184 | 28.3 | 28.3 | 8.0 | 8.0 | 27.4 | 27.4 | 93.3 | 93.3 | 6.2 | 6.2 | 6.2 | 6.6 | 7 | 8 | 77 | 79 | | | <0.2 | <0.2 | 1.5 | 1.6 | | | | |
| | | | | | Middle | 3.9 | 0.7 | 187 | 28.3 | 28.3 | 8.0 | 8.0 | 27.4 | 27.4 | 93.3 | 93.3 | 6.2 | 6.2 | 6.3 | 6.6 | 9 | 8 | 79 | 83 | | | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| | | | | | | 6.7 | 0.5 | 185 | 28.3 | 28.3 | 8.0 | 8.0 | 29.7 | 29.7 | 93.3 | 93.3 | 6.2 | 6.2 | 10.5 | 6.2 | 9 | 8 | 83 | 85 | | | <0.2 | <0.2 | 1.4 | 1.4 | | | | |
| | | | | | | 6.7 | 0.5 | 190 | 28.3 | 28.3 | 8.0 | 8.0 | 29.7 | 29.7 | 93.3 | 93.3 | 6.2 | 6.2 | 10.4 | 6.2 | 10 | 8 | 85 | 85 | | | <0.2 | <0.2 | 1.4 | 1.4 | | | | |
| IM5 | Fine | Rough | 17:10 | 6.7 | Surface | 1.0 | 0.9 | 184 | 28.1 | 28.1 | 8.0 | 8.0 | 26.4 | 26.4 | 95.1 | 95.1 | 6.4 | 6.3 | 7.1 | 12.3 | 8 | 10 | 70 | 78 | 820555 | 804914 | <0.2 | <0.2 | 1.6 | 1.8 | | | | |
| | | | | | | 1.0 | 1.0 | 201 | 28.1 | 28.1 | 8.0 | 8.0 | 26.3 | 26.4 | 95.0 | 95.1 | 6.4 | 6.3 | 7.2 | 12.3 | 8 | 10 | 72 | 79 | | | <0.2 | <0.2 | 1.8 | 1.6 | | | | |
| | | | | | | 3.4 | 0.6 | 186 | 28.2 | 28.2 | 8.0 | 8.0 | 26.8 | 26.8 | 91.5 | 91.5 | 6.1 | 6.1 | 12.8 | 12.3 | 11 | 10 | 79 | 81 | | | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| | | | | | Middle | 3.4 | 0.7 | 193 | 28.2 | 28.2 | 8.0 | 8.0 | 26.8 | 26.8 | 91.4 | 91.5 | 6.1 | 6.1 | 12.9 | 12.3 | 11 | 10 | 78 | 81 | | | <0.2 | <0.2 | 1.6 | 1.6 | | | | |
| | | | | | | 5.7 | 0.5 | 192 | 28.3 | 28.3 | 8.0 | 8.0 | 30.1 | 30.1 | 90.4 | 90.5 | 5.9 | 6.0 | 16.9 | 6.0 | 10 | 6.0 | 81 | 85 | | | <0.2 | <0.2 | 2.1 | 1.8 | | | | |
| | | | | | | 5.7 | 0.6 | 199 | 28.3 | 28.3 | 8.0 | 8.0 | 30.1 | 30.1 | 90.5 | 90.5 | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 29 September 16 during Mid-Flood Tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|-----|-------------------------|----|------------------------|----|-------------------------------|------------------------------|-----------------|--------|---------------|------|-------|----|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | |
| IM9 | Cloudy | Rough | 17:36 | 7.2 | Surface | 1.0 | 0.6 | 124 | 26.2 | 26.2 | 7.9 | 7.9 | 26.0 | 26.0 | 93.6 | 93.6 | 6.5 | 6.5 | 3.7 | 6.5 | 4 | 6 | 84 | 88 | 822086 | 808798 | <0.2 | <0.2 | 1.9 | 1.7 | | | |
| | | | | | | 1.0 | 0.6 | 131 | 26.2 | 26.2 | 7.9 | 7.9 | 26.0 | 26.0 | 93.6 | 93.6 | 6.5 | 6.5 | 3.8 | 6.7 | 3 | 6 | 83 | 88 | 822086 | 808798 | <0.2 | <0.2 | 1.9 | 1.7 | | | |
| | | | | | Middle | 3.6 | 0.6 | 84 | 26.2 | 26.2 | 7.9 | 7.9 | 26.2 | 26.2 | 93.0 | 93.0 | 6.5 | 6.5 | 4.7 | 6.7 | 2 | 6 | 91 | 88 | 822086 | 808798 | <0.2 | <0.2 | 1.8 | 1.7 | | | |
| | | | | | | 3.6 | 0.6 | 87 | 26.2 | 26.2 | 7.9 | 7.9 | 26.2 | 26.2 | 93.0 | 93.0 | 6.5 | 6.5 | 4.8 | 6.7 | 4 | 6 | 89 | 88 | 822086 | 808798 | <0.2 | <0.2 | 1.7 | 1.7 | | | |
| | | | | | Bottom | 6.2 | 0.6 | 80 | 26.3 | 26.3 | 7.9 | 7.9 | 27.4 | 27.6 | 92.7 | 94.5 | 6.4 | 6.6 | 11.4 | 6.6 | 11 | 6 | 92 | 88 | 822086 | 808798 | <0.2 | <0.2 | 1.6 | 1.7 | | | |
| | | | | | | 6.2 | 0.6 | 83 | 26.3 | 26.3 | 7.9 | 7.9 | 27.7 | 27.6 | 96.2 | 94.5 | 6.7 | 6.6 | 11.9 | 6.6 | 13 | 6 | 91 | 88 | 822086 | 808798 | <0.2 | <0.2 | 1.4 | 1.7 | | | |
| IM10 | Cloudy | Rough | 17:45 | 7.9 | Surface | 1.0 | 0.5 | 120 | 26.2 | 26.2 | 7.9 | 7.9 | 26.4 | 26.4 | 94.0 | 94.1 | 6.6 | 6.6 | 3.5 | 6.6 | 2 | 4 | 83 | 88 | 822225 | 809836 | <0.2 | <0.2 | 1.7 | 1.8 | | | |
| | | | | | | 1.0 | 0.5 | 124 | 26.2 | 26.2 | 7.9 | 7.9 | 26.4 | 26.4 | 94.1 | 94.1 | 6.6 | 6.6 | 3.6 | 6.6 | 2 | 4 | 84 | 88 | 822225 | 809836 | <0.2 | <0.2 | 2.0 | 1.8 | | | |
| | | | | | Middle | 4.0 | 0.5 | 110 | 26.3 | 26.3 | 7.9 | 7.9 | 26.6 | 26.6 | 93.3 | 93.4 | 6.5 | 6.5 | 5.6 | 6.4 | 4 | 4 | 89 | 88 | 822225 | 809836 | <0.2 | <0.2 | 1.9 | 1.8 | | | |
| | | | | | | 4.0 | 0.5 | 114 | 26.3 | 26.3 | 7.9 | 7.9 | 26.6 | 26.6 | 93.4 | 93.4 | 6.5 | 6.5 | 5.7 | 6.4 | 4 | 4 | 89 | 88 | 822225 | 809836 | <0.2 | <0.2 | 1.9 | 1.8 | | | |
| | | | | | Bottom | 6.9 | 0.5 | 108 | 26.3 | 26.3 | 7.9 | 7.9 | 27.4 | 27.4 | 94.2 | 94.3 | 6.5 | 6.5 | 9.9 | 6.5 | 6 | 4 | 91 | 88 | 822225 | 809836 | <0.2 | <0.2 | 1.6 | 1.8 | | | |
| | | | | | | 6.9 | 0.5 | 118 | 26.3 | 26.3 | 7.9 | 7.9 | 27.4 | 27.4 | 94.4 | 94.3 | 6.5 | 6.5 | 9.8 | 6.5 | 7 | 4 | 92 | 88 | 822225 | 809836 | <0.2 | <0.2 | 1.6 | 1.8 | | | |
| IM11 | Cloudy | Rough | 17:51 | 7.2 | Surface | 1.0 | 0.5 | 120 | 26.2 | 26.2 | 7.9 | 7.9 | 26.6 | 26.6 | 94.7 | 94.7 | 6.6 | 6.6 | 5.3 | 6.6 | 6 | 8 | 84 | 89 | 821520 | 810528 | <0.2 | <0.2 | 1.6 | 1.7 | | | |
| | | | | | | 1.0 | 0.5 | 127 | 26.2 | 26.2 | 7.9 | 7.9 | 26.6 | 26.6 | 94.7 | 94.7 | 6.6 | 6.6 | 5.3 | 6.6 | 8 | 8 | 85 | 89 | 821520 | 810528 | <0.2 | <0.2 | 1.8 | 1.7 | | | |
| | | | | | Middle | 3.6 | 0.5 | 113 | 26.2 | 26.2 | 7.9 | 7.9 | 26.7 | 26.7 | 95.3 | 95.3 | 6.6 | 6.6 | 6.0 | 6.1 | 6 | 8 | 90 | 89 | 821520 | 810528 | <0.2 | <0.2 | 1.9 | 1.7 | | | |
| | | | | | | 3.6 | 0.5 | 121 | 26.2 | 26.2 | 7.9 | 7.9 | 26.7 | 26.7 | 95.3 | 95.3 | 6.6 | 6.6 | 6.0 | 6.1 | 7 | 8 | 91 | 89 | 821520 | 810528 | <0.2 | <0.2 | 1.8 | 1.7 | | | |
| | | | | | Bottom | 6.2 | 0.5 | 108 | 26.2 | 26.2 | 7.9 | 7.9 | 26.8 | 26.8 | 98.1 | 98.2 | 6.8 | 6.8 | 7.0 | 6.8 | 9 | 8 | 92 | 89 | 821520 | 810528 | <0.2 | <0.2 | 1.6 | 1.7 | | | |
| | | | | | | 6.2 | 0.5 | 110 | 26.2 | 26.2 | 7.9 | 7.9 | 26.8 | 26.8 | 98.2 | 98.2 | 6.8 | 6.8 | 7.0 | 6.8 | 10 | 8 | 93 | 89 | 821520 | 810528 | <0.2 | <0.2 | 1.7 | 1.7 | | | |
| IM12 | Cloudy | Rough | 17:57 | 9.1 | Surface | 1.0 | 0.6 | 97 | 26.1 | 26.1 | 7.9 | 7.9 | 26.6 | 26.7 | 94.8 | 94.9 | 6.6 | 6.6 | 9.9 | 6.7 | 9 | 11 | 86 | 89 | 821175 | 811512 | <0.2 | <0.2 | 1.4 | 1.6 | | | |
| | | | | | | 1.0 | 0.6 | 102 | 26.1 | 26.1 | 7.9 | 7.9 | 26.7 | 26.7 | 95.0 | 94.9 | 6.6 | 6.6 | 9.0 | 6.7 | 10 | 11 | 85 | 89 | 821175 | 811512 | <0.2 | <0.2 | 1.7 | 1.6 | | | |
| | | | | | Middle | 4.6 | 0.5 | 97 | 26.2 | 26.2 | 7.9 | 7.9 | 26.7 | 26.7 | 96.4 | 96.4 | 6.7 | 6.7 | 8.7 | 6.7 | 11 | 11 | 90 | 89 | 821175 | 811512 | <0.2 | <0.2 | 1.5 | 1.6 | | | |
| | | | | | | 4.6 | 0.6 | 101 | 26.2 | 26.2 | 7.9 | 7.9 | 26.7 | 26.7 | 96.4 | 96.4 | 6.7 | 6.7 | 8.7 | 6.7 | 11 | 11 | 90 | 89 | 821175 | 811512 | <0.2 | <0.2 | 1.6 | 1.6 | | | |
| | | | | | Bottom | 8.1 | 0.7 | 102 | 26.2 | 26.2 | 7.9 | 7.9 | 26.8 | 26.8 | 98.8 | 99.5 | 6.9 | 7.0 | 8.4 | 7.0 | 14 | 11 | 93 | 89 | 821175 | 811512 | <0.2 | <0.2 | 1.7 | 1.6 | | | |
| | | | | | | 8.1 | 0.7 | 110 | 26.2 | 26.2 | 7.9 | 7.9 | 26.8 | 26.8 | 100.2 | 99.5 | 7.0 | 7.0 | 8.6 | 7.0 | 12 | 11 | 91 | 89 | 821175 | 811512 | <0.2 | <0.2 | 1.7 | 1.6 | | | |
| SR2 | Cloudy | Moderate | 18:18 | 4.1 | Surface | 1.0 | 0.4 | 122 | 26.0 | 26.0 | 8.0 | 8.0 | 27.0 | 27.0 | 95.3 | 95.3 | 6.6 | 6.6 | 17.9 | 6.6 | 20 | 23 | 85 | 88 | 821453 | 814162 | <0.2 | <0.2 | 1.6 | 1.5 | | | |
| | | | | | | 1.0 | 0.5 | 126 | 26.0 | 26.0 | 8.0 | 8.0 | 27.0 | 27.0 | 95.3 | 95.3 | 6.6 | 6.6 | 18.7 | 6.6 | 19 | 23 | 86 | 88 | 821453 | 814162 | <0.2 | <0.2 | 1.6 | 1.5 | | | |
| | | | | | Middle | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 88 | 821453 | 814162 | <0.2 | <0.2 | - | - | |
| | | | | | | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 88 | 821453 | 814162 | <0.2 | <0.2 | - | - | |
| | | | | | Bottom | 3.1 | 0.4 | 86 | 26.0 | 26.0 | 8.0 | 8.0 | 27.1 | 27.1 | 95.3 | 95.3 | 6.6 | 6.6 | 23.6 | 6.6 | 27 | 23 | 90 | 88 | 821453 | 814162 | <0.2 | <0.2 | 1.4 | 1.5 | | | |
| | | | | | | 3.1 | 0.4 | 94 | 26.0 | 26.0 | 8.0 | 8.0 | 27.1 | 27.1 | 95.3 | 95.3 | 6.6 | 6.6 | 23.6 | 6.6 | 27 | 23 | 89 | 88 | 821453 | 814162 | <0.2 | <0.2 | 1.5 | 1.5 | | | |
| SR3 | Cloudy | Rough | 17:24 | 8.7 | Surface | 1.0 | 0.6 | 158 | 26.1 | 26.1 | 7.9 | 7.9 | 25.8 | 25.8 | 93.9 | 93.9 | 6.6 | 6.6 | 4.3 | 6.6 | 4 | 5 | - | - | 822165 | 807568 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.6 | 165 | 26.1 | 26.1 | 7.9 | 7.9 | 25.8 | 25.8 | 93.9 | 93.9 | 6.6 | 6.6 | 4.4 | 6.6 | 4 | 5 | - | - | 822165 | 807568 | - | - | - | - | | | |
| | | | | | Middle | 4.4 | 0.6 | 107 | 26.2 | 26.2 | 7.9 | 7.9 | 26.0 | 26.0 | 92.8 | 92.8 | 6.5 | 6.5 | 5.5 | 6.4 | 7 | 5 | - | - | - | - | 822165 | 807568 | - | - | - | - | |
| | | | | | | 4.4 | 0.6 | 109 | 26.2 | 26.2 | 7.9 | 7.9 | 26.0 | 26.0 | 92.7 | 92.8 | 6.5 | 6.5 | 5.5 | 6.4 | 5 | 5 | - | - | - | - | 822165 | 807568 | - | - | - | - | |
| | | | | | Bottom | 7.7 | 0.5 | 103 | 26.2 | 26.2 | 7.9 | 7.9 | 27.5 | 27.5 | 92.1 | 92.2 | 6.4 | 6.4 | 14.4 | 6.4 | 6 | 5 | - | - | - | - | 822165 | 807568 | - | - | - | - | |
| | | | | | | 7.7 | 0.5 | 113 | 26.2 | 26.2 | 7.9 | 7.9 | 27.5 | 27.5 | 92.2 | 92.2 | 6.4 | 6.4 | 14.4 | 6.4 | 6 | 5 | - | - | - | - | 822165 | 807568 | - | - | - | - | |
| SR4A | Fine | Calm | 18:29 | 8.4 | Surface | 1.0 | 0.3 | 89 | 28.5 | 28.5 | 8.0 | 8.0 | 29.3 | 29.3 | 94.4 | 94.4 | 6.2 | 6.2 | 4.4 | 6.2 | 7 | 9 | - | - | 817184 | 807812 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.3 | 89 | 28.5 | 28.5 | 8.0 | 8.0 | 29.3 | 29.3 | 94.3 | 94.4 | 6.2 | 6.2 | 4.4 | 6.2 | 7 | 9 | - | - | 817184 | 807812 | - | - | - | - | | | |
| | | | | | Middle | 4.2 | 0.2 | 84 | 28.5 | 28.5 | 8.0 | 8.0 | 29.4 | 29.4 | 93.1 | 93.1 | 6.1 | 6.1 | 6.1 | 6.3 | 6 | 9 | - | - | - | - | 817184 | 807812 | - | - | - | - | |
| | | | | | | 4.2 | 0.2 | 90 | 28.5 | 28.5 | 8.0 | 8.0 | 29.4 | 29.4 | 93.0 | 93.0 | 6.1 | 6.1 | 6.3 | 6.3 | 7 | 9 | - | - | - | - | 817184 | 807812 | - | - | - | - | |
| | | | | | Bottom | 7.4 | 0.2 | 88 | 28.4 | 28.4 | 8.0 | 8.0 | 29.6 | 29.6 | 94.6 | 95.2 | 6.2 | 6.3 | 7.7 | 6.3 | 12 | 9 | - | - | - | - | 817184 | 807812 | - | - | - | - | |
| | | | | | | 7.4 | 0.2 | 89 | 28.4 | 28.4 | 8.0 | 8.0 | 29.6 | 29.6 | 95.8 | 95.2 | 6.3 | 6.3 | 7.3 | 6.3 | 14 | 9 | - | - | - | - | 817184 | 807812 | - | - | - | - | |
| SR5A | Fine | Calm | 18:42 | 4.6 | Surface | 1.0 | 0.2 | 144 | 28.6 | 28.6 | 8.0 | 8.0 | 28.7 | 28.7 | 89.0 | 89.0 | 6.4 | 6.4 | 3.5 | 6.4 | 9 | 12 | - | - | 816609 | 810692 | - | - | - | - | | | |
| | | | | | | 1.0 | 0.2 | 150 | 28.6 | 28.6 | 8.0 | 8.0 | 28.7 | 28.7 | 88.9 | 89.0 | 6.4 | 6.4 | 3.6 | 6.4 | 8 | 12 | - | - | 816609 | 810692 | - | - | - | - | | | |
| | | | | | Middle | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 816609 | 810692 | - | - | - | - |
| | | | | | | 2.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 816609 | 810692 | - | - | - | - |
| | | | | | Bottom | 3.6 | 0.1 | 141 | 28.6 | 28.6 | 8.0 | 8.0 | 28.7 | 28.7 | 88.2 | 88.3 | 6.4 | 6.4 | 4.9 | 6.4 | 14 | 12 | - | - | - | - | 816609 | 810692 | - | - | - | - | |
| | | | | | | 3.6 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | | | |

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

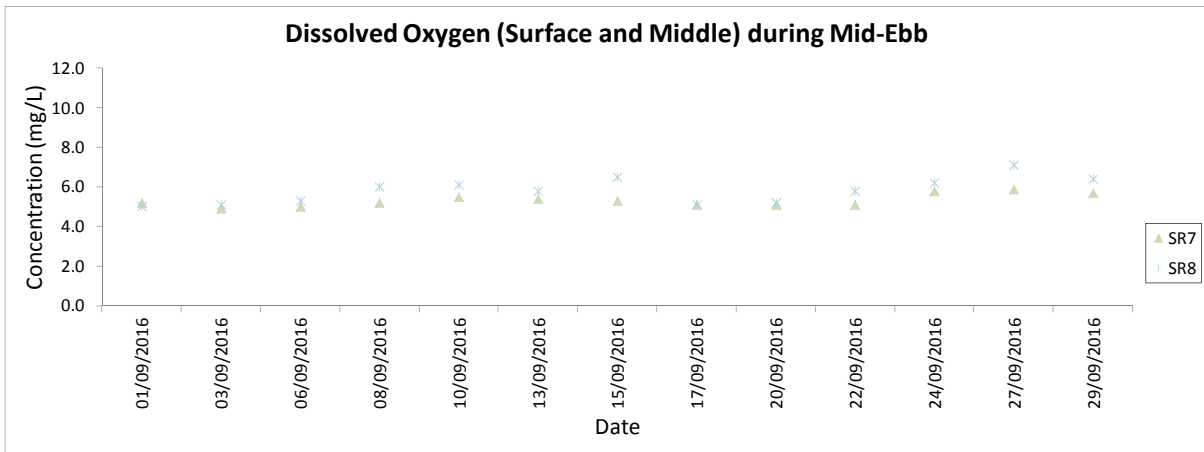
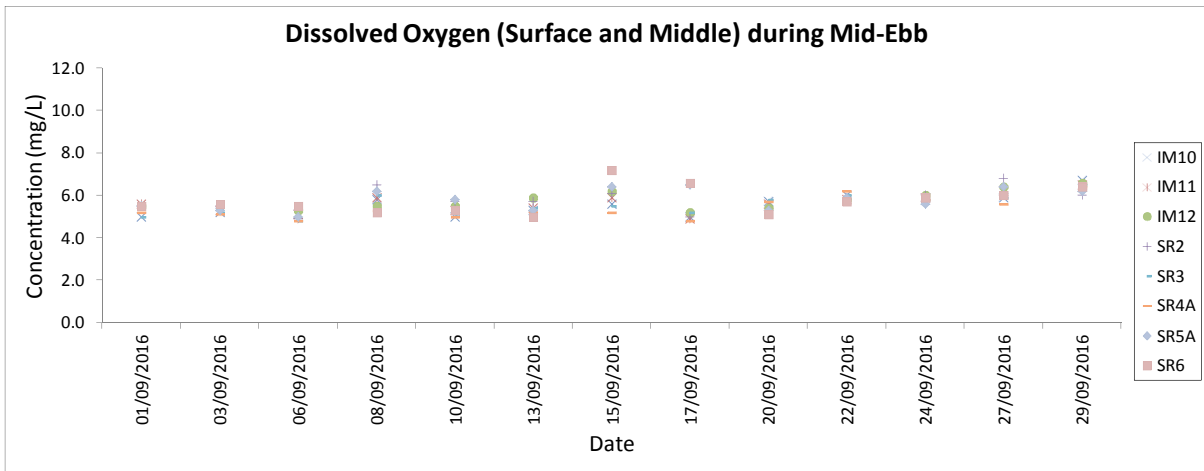
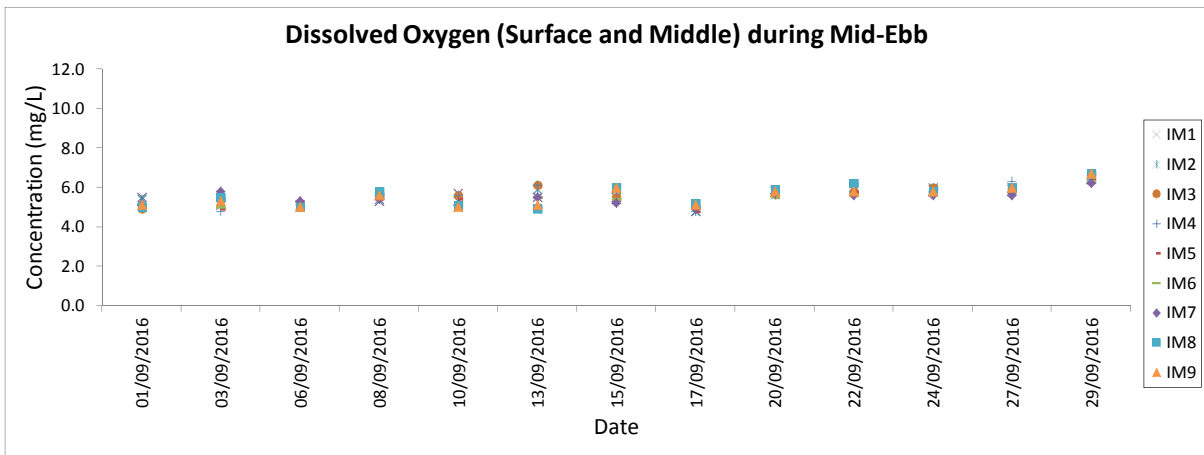
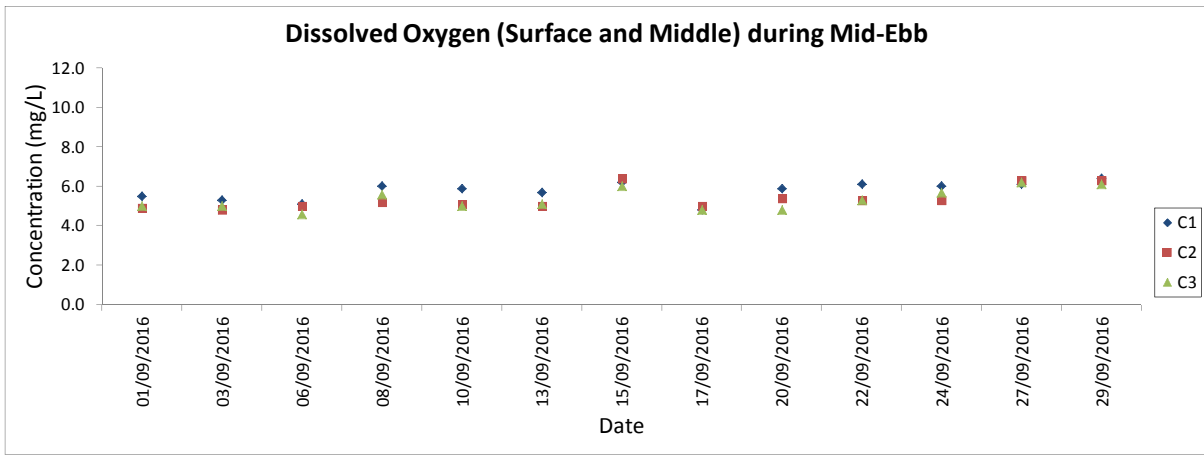
Water Quality Monitoring Results on 29 September 16 during Mid-Ebb tide

| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|------|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|-----|-------------------------|----|------------------------|--------|-------------------------------|------------------------------|-----------------|------|---------------|-----|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA |
| C1 | Fine | Rough | 11:56 | 8.7 | Surface | 1.0 | 1.3 | 171 | 28.0 | 28.0 | 8.0 | 8.0 | 27.9 | 27.9 | 96.9 | 96.6 | 6.5 | 6.4 | 2.3 | 5.7 | 5 | 6 | 79 | 87 | 815619 | 804240 | <0.2 | <0.2 | 1.4 | 1.3 |
| | | | | | | 1.0 | 1.4 | 178 | 28.0 | 8.0 | 8.0 | 27.9 | 27.9 | 96.3 | 96.6 | 6.5 | 6.4 | 2.1 | 5.7 | 6 | 6 | 78 | 87 | 815619 | 804240 | <0.2 | <0.2 | 1.2 | 1.3 | |
| | | | | | Middle | 4.4 | 1.2 | 186 | 28.1 | 28.1 | 8.0 | 8.0 | 28.1 | 28.1 | 93.4 | 93.4 | 6.2 | 6.2 | 2.7 | 5.7 | 5 | 6 | 85 | 88 | 815619 | 804240 | <0.2 | <0.2 | 1.4 | 1.3 |
| | | | | | | 4.4 | 1.3 | 191 | 28.1 | 28.1 | 8.0 | 8.0 | 28.1 | 28.1 | 93.3 | 93.4 | 6.2 | 6.2 | 2.7 | 5.7 | 6 | 6 | 88 | 88 | 815619 | 804240 | <0.2 | <0.2 | 1.4 | 1.3 |
| | | | | | Bottom | 7.7 | 1.0 | 180 | 28.3 | 28.3 | 8.0 | 8.0 | 32.4 | 32.4 | 93.5 | 94.3 | 6.1 | 6.2 | 12.6 | 6.2 | 6 | 6 | 95 | 96 | 815619 | 804240 | <0.2 | <0.2 | 1.2 | 1.3 |
| | | | | | | 7.7 | 1.1 | 196 | 28.3 | 28.3 | 8.0 | 8.0 | 32.4 | 32.4 | 95.0 | 94.3 | 6.2 | 6.2 | 11.5 | 6.2 | 6 | 6 | 96 | 96 | 815619 | 804240 | <0.2 | <0.2 | 1.4 | 1.3 |
| C2 | Cloudy | Moderate | 13:12 | 11.9 | Surface | 1.0 | 0.4 | 134 | 26.1 | 26.2 | 7.9 | 7.9 | 26.1 | 26.1 | 91.1 | 91.1 | 6.4 | 6.3 | 4.8 | 4.8 | 5 | 4 | 83 | 88 | 825698 | 806954 | <0.2 | <0.2 | 2.0 | 2.0 |
| | | | | | | 1.0 | 0.4 | 144 | 26.2 | 26.2 | 7.9 | 7.9 | 26.1 | 26.1 | 91.1 | 91.1 | 6.4 | 6.3 | 4.8 | 4.8 | 4 | 6 | 83 | 90 | 825698 | 806954 | <0.2 | <0.2 | 2.5 | 2.0 |
| | | | | | Middle | 6.0 | 0.3 | 140 | 26.3 | 26.3 | 7.9 | 7.9 | 27.2 | 27.2 | 87.7 | 87.7 | 6.1 | 6.1 | 4.2 | 4.8 | 6 | 6 | 90 | 90 | 825698 | 806954 | <0.2 | <0.2 | 1.9 | 2.0 |
| | | | | | | 6.0 | 0.3 | 149 | 26.3 | 26.3 | 7.9 | 7.9 | 27.2 | 27.2 | 87.6 | 87.7 | 6.1 | 6.1 | 4.3 | 4.8 | 6 | 6 | 90 | 90 | 825698 | 806954 | <0.2 | <0.2 | 2.1 | 2.0 |
| | | | | | Bottom | 10.9 | 0.3 | 168 | 26.5 | 26.5 | 7.9 | 7.9 | 29.2 | 29.2 | 85.4 | 85.7 | 5.8 | 5.9 | 5.3 | 5.9 | 8 | 9 | 92 | 92 | 825698 | 806954 | <0.2 | <0.2 | 1.6 | 1.9 |
| | | | | | | 10.9 | 0.3 | 180 | 26.5 | 26.5 | 7.9 | 7.9 | 29.2 | 29.2 | 85.9 | 85.7 | 5.9 | 5.9 | 5.5 | 5.9 | 9 | 9 | 92 | 92 | 825698 | 806954 | <0.2 | <0.2 | 1.9 | 1.9 |
| C3 | Cloudy | Moderate | 11:02 | 12.6 | Surface | 1.0 | 1.0 | 174 | 26.1 | 26.1 | 7.9 | 7.9 | 29.1 | 29.1 | 91.2 | 91.2 | 6.3 | 6.1 | 1.9 | 3.5 | 4 | 4 | 87 | 90 | 822103 | 817807 | <0.2 | <0.2 | 1.3 | 1.2 |
| | | | | | | 1.0 | 1.0 | 182 | 26.1 | 26.1 | 7.9 | 7.9 | 29.1 | 29.1 | 91.2 | 91.2 | 6.3 | 6.1 | 1.9 | 3.5 | 4 | 4 | 87 | 89 | 822103 | 817807 | <0.2 | <0.2 | 1.2 | 1.2 |
| | | | | | Middle | 6.3 | 0.8 | 167 | 26.2 | 26.2 | 7.9 | 7.9 | 30.9 | 30.9 | 86.6 | 86.6 | 5.9 | 5.9 | 2.9 | 3.5 | 4 | 4 | 90 | 89 | 822103 | 817807 | <0.2 | <0.2 | 1.2 | 1.2 |
| | | | | | | 6.3 | 0.8 | 180 | 26.2 | 26.2 | 7.9 | 7.9 | 30.9 | 30.9 | 86.6 | 86.6 | 5.9 | 5.9 | 2.9 | 3.5 | 3 | 4 | 89 | 89 | 822103 | 817807 | <0.2 | <0.2 | 1.3 | 1.2 |
| | | | | | Bottom | 11.6 | 0.5 | 153 | 26.3 | 26.3 | 7.9 | 7.9 | 32.8 | 32.8 | 84.7 | 84.8 | 5.7 | 5.7 | 5.8 | 5.7 | 4 | 6 | 92 | 92 | 822103 | 817807 | <0.2 | <0.2 | 1.0 | 1.0 |
| | | | | | | 11.6 | 0.6 | 153 | 26.3 | 26.3 | 7.9 | 7.9 | 32.8 | 32.8 | 84.8 | 84.8 | 5.7 | 5.7 | 5.7 | 5.7 | 6 | 6 | 92 | 92 | 822103 | 817807 | <0.2 | <0.2 | 1.0 | 1.0 |
| IM1 | Fine | Rough | 12:29 | 7.1 | Surface | 1.0 | 0.8 | 179 | 28.1 | 28.1 | 8.0 | 8.0 | 26.5 | 26.5 | 96.7 | 96.7 | 6.5 | 6.4 | 1.9 | 4.2 | 4 | 5 | 75 | 82 | 818341 | 806455 | <0.2 | <0.2 | 2.2 | 1.7 |
| | | | | | | 1.0 | 0.9 | 182 | 28.1 | 28.1 | 8.0 | 8.0 | 26.4 | 26.5 | 96.6 | 96.7 | 6.5 | 6.4 | 2.1 | 4.2 | 5 | 5 | 78 | 82 | 818341 | 806455 | <0.2 | <0.2 | 1.8 | 1.7 |
| | | | | | Middle | 3.6 | 0.7 | 174 | 28.1 | 28.1 | 8.0 | 8.0 | 27.8 | 27.8 | 93.3 | 93.3 | 6.2 | 6.2 | 4.3 | 4.2 | 4 | 5 | 82 | 84 | 818341 | 806455 | <0.2 | <0.2 | 1.5 | 1.7 |
| | | | | | | 3.6 | 0.7 | 186 | 28.1 | 28.1 | 8.0 | 8.0 | 27.8 | 27.8 | 93.2 | 93.3 | 6.2 | 6.2 | 4.5 | 4.2 | 6 | 5 | 84 | 86 | 818341 | 806455 | <0.2 | <0.2 | 1.6 | 1.7 |
| | | | | | Bottom | 6.1 | 0.5 | 179 | 28.3 | 28.3 | 8.1 | 8.1 | 31.1 | 31.1 | 94.1 | 94.8 | 6.2 | 6.3 | 6.8 | 6.3 | 5 | 5 | 86 | 88 | 818341 | 806455 | <0.2 | <0.2 | 1.5 | 1.4 |
| | | | | | | 6.1 | 0.6 | 193 | 28.3 | 28.3 | 8.1 | 8.1 | 31.1 | 31.1 | 95.4 | 94.8 | 6.3 | 6.3 | 5.7 | 6.3 | 5 | 5 | 88 | 88 | 818341 | 806455 | <0.2 | <0.2 | 1.4 | 1.4 |
| IM2 | Fine | Rough | 12:39 | 7.3 | Surface | 1.0 | 0.8 | 190 | 27.9 | 27.9 | 8.0 | 8.0 | 27.2 | 27.2 | 98.5 | 98.5 | 6.6 | 6.5 | 2.5 | 2.9 | 3 | 4 | 77 | 84 | 818859 | 806193 | <0.2 | <0.2 | 2.0 | 1.8 |
| | | | | | | 1.0 | 0.9 | 194 | 27.9 | 27.9 | 8.0 | 8.0 | 27.2 | 27.2 | 98.5 | 98.5 | 6.6 | 6.5 | 2.6 | 2.9 | 4 | 4 | 79 | 83 | 818859 | 806193 | <0.2 | <0.2 | 2.0 | 1.8 |
| | | | | | Middle | 3.7 | 0.7 | 189 | 28.0 | 28.0 | 8.0 | 8.0 | 27.3 | 27.3 | 95.9 | 95.9 | 6.4 | 6.4 | 2.4 | 2.9 | 4 | 4 | 83 | 84 | 818859 | 806193 | <0.2 | <0.2 | 1.6 | 1.8 |
| | | | | | | 3.7 | 0.7 | 193 | 28.0 | 28.0 | 8.0 | 8.0 | 27.3 | 27.3 | 95.8 | 95.9 | 6.4 | 6.4 | 2.3 | 2.9 | 4 | 4 | 84 | 88 | 818859 | 806193 | <0.2 | <0.2 | 2.0 | 1.8 |
| | | | | | Bottom | 6.3 | 0.6 | 191 | 28.1 | 28.1 | 8.0 | 8.0 | 29.1 | 29.1 | 95.6 | 95.7 | 6.3 | 6.3 | 3.8 | 6.3 | 4 | 4 | 88 | 90 | 818859 | 806193 | <0.2 | <0.2 | 1.5 | 1.6 |
| | | | | | | 6.3 | 0.6 | 199 | 28.1 | 28.1 | 8.0 | 8.0 | 29.1 | 29.1 | 95.7 | 95.7 | 6.3 | 6.3 | 3.8 | 6.3 | 5 | 4 | 90 | 90 | 818859 | 806193 | <0.2 | <0.2 | 1.6 | 1.6 |
| IM3 | Fine | Rough | 12:50 | 7.4 | Surface | 1.0 | 0.9 | 201 | 28.0 | 28.0 | 8.0 | 8.0 | 26.7 | 26.6 | 99.2 | 99.2 | 6.7 | 6.7 | 1.8 | 1.8 | 5 | 5 | 75 | 81 | 819424 | 806004 | <0.2 | <0.2 | 1.8 | 1.7 |
| | | | | | | 1.0 | 0.9 | 215 | 28.0 | 28.0 | 8.0 | 8.0 | 26.5 | 26.6 | 99.2 | 99.2 | 6.7 | 6.7 | 1.9 | 1.8 | 4 | 5 | 72 | 79 | 819424 | 806004 | <0.2 | <0.2 | 1.6 | 1.7 |
| | | | | | Middle | 3.7 | 0.8 | 214 | 28.0 | 28.0 | 8.0 | 8.0 | 27.0 | 27.0 | 99.4 | 99.4 | 6.7 | 6.7 | 1.7 | 1.8 | 5 | 5 | 79 | 82 | 819424 | 806004 | <0.2 | <0.2 | 1.7 | 1.7 |
| | | | | | | 3.7 | 0.8 | 225 | 28.0 | 28.0 | 8.0 | 8.0 | 27.0 | 27.0 | 99.4 | 99.4 | 6.7 | 6.7 | 1.7 | 1.8 | 5 | 5 | 82 | 88 | 819424 | 806004 | <0.2 | <0.2 | 1.6 | 1.7 |
| | | | | | Bottom | 6.4 | 0.6 | 210 | 28.0 | 28.0 | 8.0 | 8.0 | 27.2 | 27.2 | 101.5 | 102.2 | 6.8 | 6.9 | 1.7 | 1.8 | 6 | 6 | 88 | 92 | 819424 | 806004 | <0.2 | <0.2 | 1.7 | 1.7 |
| | | | | | | 6.4 | 0.7 | 229 | 28.0 | 28.0 | 8.0 | 8.0 | 27.2 | 27.2 | 102.8 | 102.2 | 6.9 | 6.9 | 1.8 | 1.8 | 6 | 6 | 92 | 92 | 819424 | 806004 | <0.2 | <0.2 | 1.8 | 1.7 |
| IM4 | Fine | Rough | 13:02 | 7.5 | Surface | 1.0 | 1.0 | 195 | 28.1 | 28.1 | 8.0 | 8.0 | 27.2 | 27.2 | 96.5 | 96.5 | 6.5 | 6.4 | 3.1 | 4.7 | 5 | 7 | 75 | 81 | 819587 | 805042 | <0.2 | <0.2 | 1.8 | 1.6 |
| | | | | | | 1.0 | 1.0 | 207 | 28.1 | 28.1 | 8.0 | 8.0 | 27.2 | 27.2 | 96.5 | 96.5 | 6.5 | 6.4 | 3.2 | 4.7 | 6 | 7 | 72 | 80 | 819587 | 805042 | <0.2 | <0.2 | 1.5 | 1.6 |
| | | | | | Middle | 3.8 | 0.9 | 211 | 28.2 | 28.2 | 8.0 | 8.0 | 27.8 | 27.8 | 94.6 | 94.6 | 6.3 | 6.3 | 4.7 | 4.7 | 6 | 6 | 80 | 81 | 819587 | 805042 | <0.2 | <0.2 | 1.5 | 1.6 |
| | | | | | | 3.8 | 0.9 | 222 | 28.2 | 28.2 | 8.0 | 8.0 | 27.7 | 27.8 | 94.5 | 94.6 | 6.3 | 6.3 | 4.8 | 4.7 | 6 | 6 | 81 | 87 | 819587 | 805042 | <0.2 | <0.2 | 1.7 | 1.6 |
| | | | | | Bottom | 6.5 | 0.8 | 216 | 28.3 | 28.3 | 8.1 | 8.1 | 29.4 | 29.4 | 93.7 | 93.7 | 6.2 | 6.2 | 6.2 | 6.2 | 11 | 10 | 87 | 89 | 819587 | 805042 | <0.2 | <0.2 | 1.2 | 1.6 |
| | | | | | | 6.5 | 0.8 | 219 | 28.3 | 28.3 | 8.1 | 8.1 | 29.4 | 29.4 | 93.7 | 93.7 | 6.2 | 6.2 | 6.3 | 6.2 | 10 | 10 | 89 | 89 | 819587 | 805042 | <0.2 | <0.2 | 1.6 | 1.6 |
| IM5 | Fine | Rough | 13:18 | 6.3 | Surface | 1.0 | 1.0 | 190 | 28.1 | 28.1 | 8.0 | 8.0 | 26.6 | 26.7 | 96.6 | 96.6 | 6.5 | 6.4 | 2.3 | 5.4 | 4 | 8 | 73 | 81 | 820558 | 804918 | <0.2 | <0.2 | 1.7 | 1.6 |
| | | | | | | 1.0 | 1.1 | 204 | 28.1 | 28.1 | 8.0 | 8.0 | 26.7 | 26.7 | 96.5 | 96.6 | 6.5 | 6.4 | 2.3 | 5.4 | 5 | 8 | 74 | 79 | 820558 | 804918 | <0.2 | <0.2 | 1.7 | 1.6 |
| | | | | | Middle | 3.2 | 0.7 | 211 | 28.2 | 28.2 | 8.0 | 8.0 | 27.2 | 27.2 | 94.5 | 94.4 | 6.3 | 6.3 | 5.2 | 5.4 | 6 | 5 | 81 | 81 | 820558 | 804918 | <0.2 | <0.2 | 1.8 | 1.6 |
| | | | | | | 3.2 | 0.7 | 229 | 28.2 | 28.2 | 8.0 | 8.0 | 27.1 | 27.2 | 94.2 | 94.4 | 6.3 | 6.3 | 5.8 | 5.4 | 5 | 8 | 81 | 89 | | | | | | |

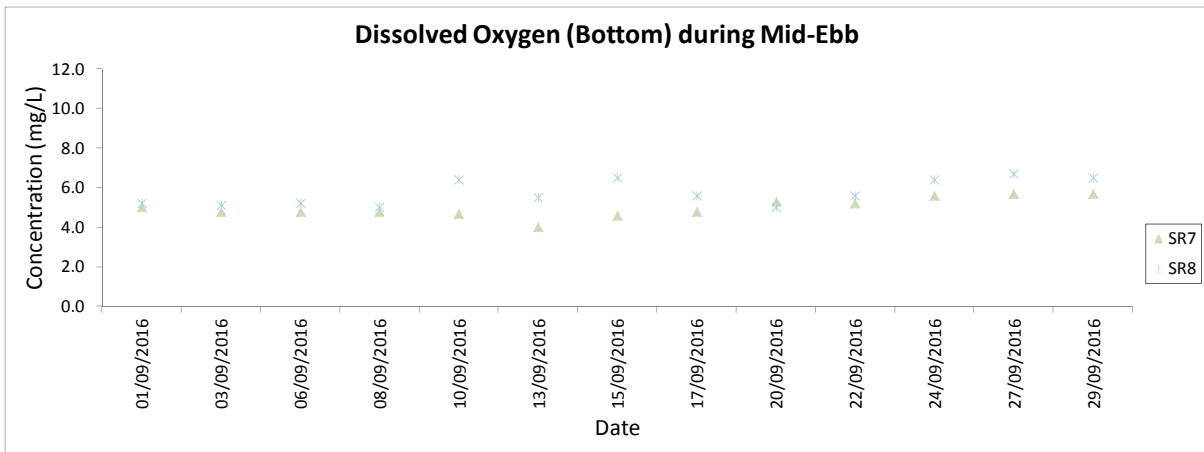
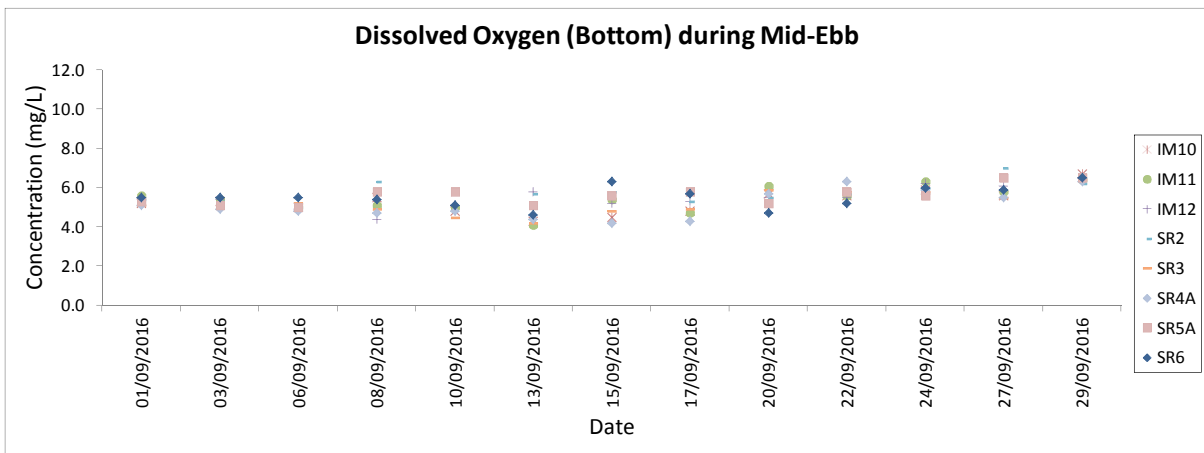
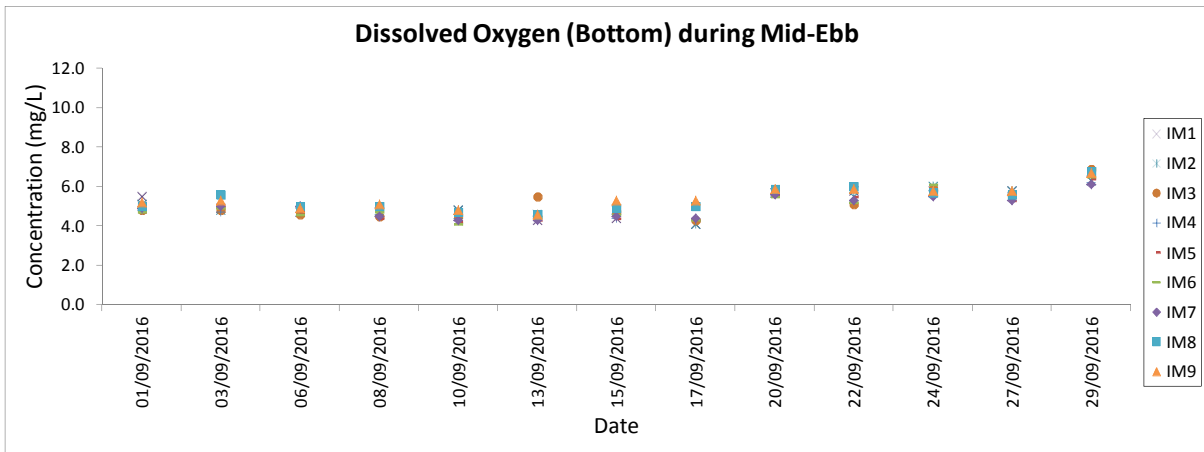
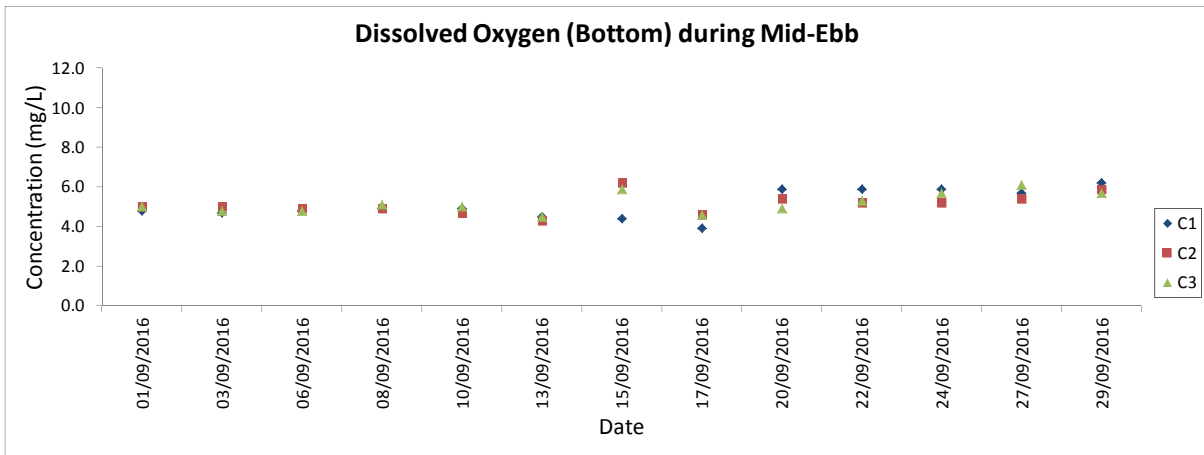
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 29 September 16 during Mid-Ebb tide

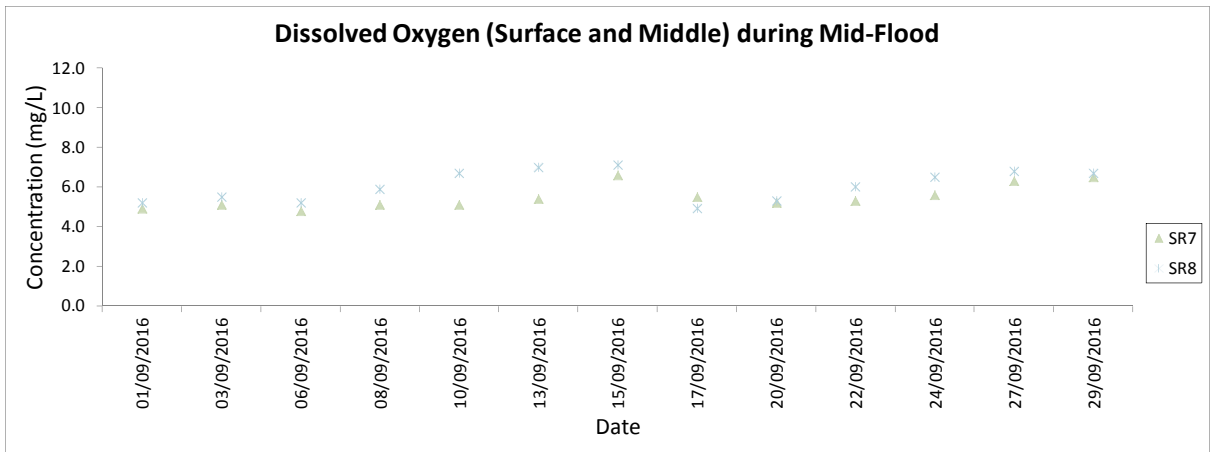
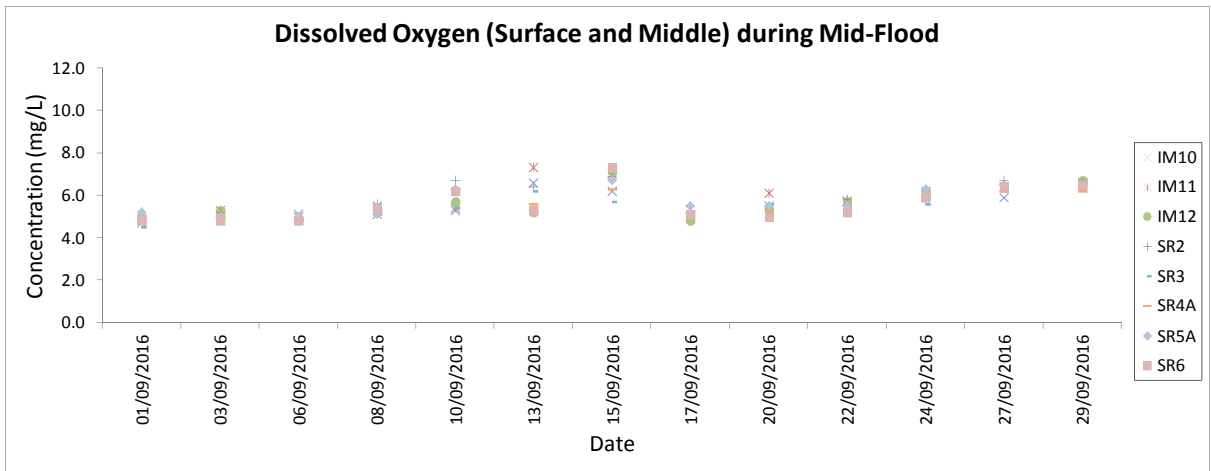
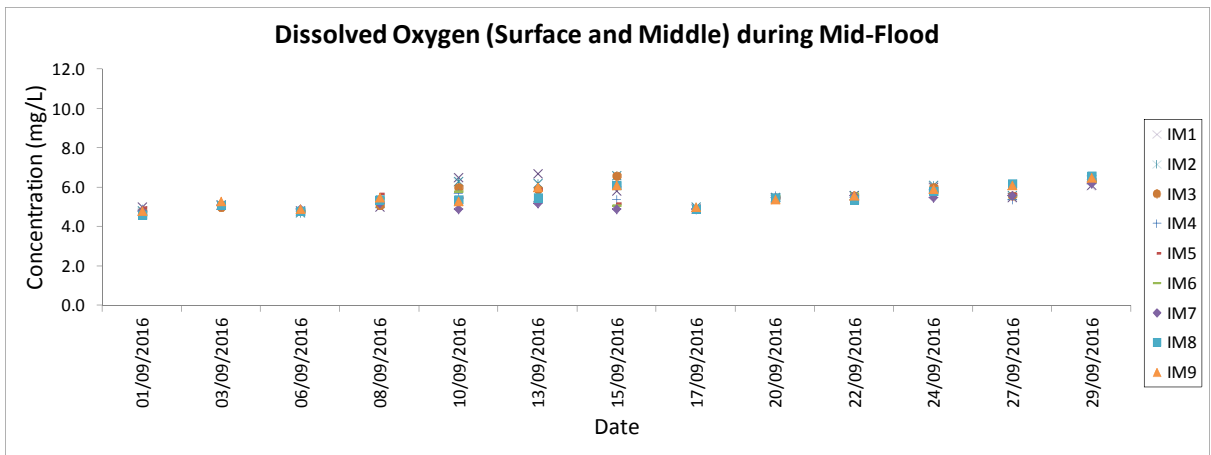
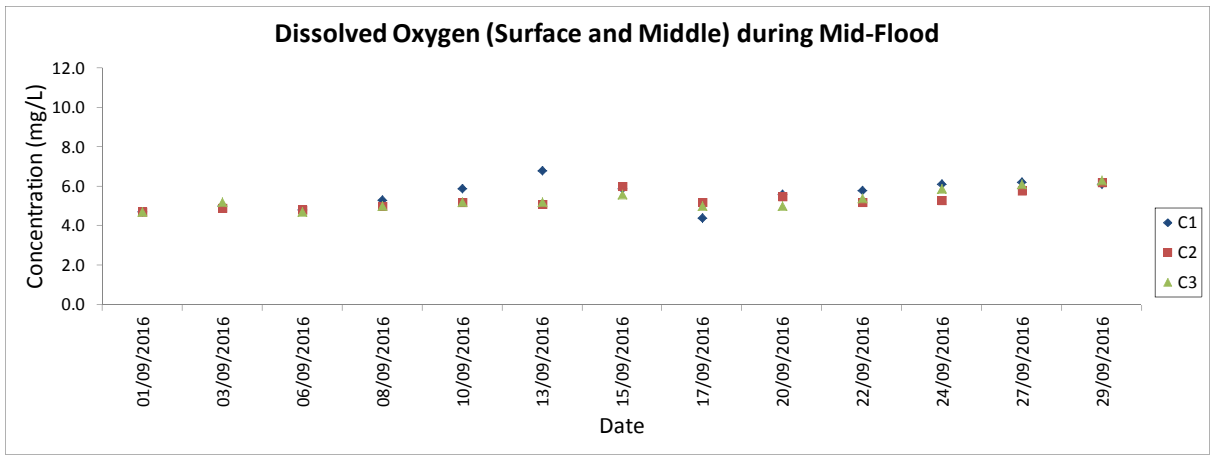
| Monitoring Station | Weather Condition | Sea Condition | Sampling Time | Water Depth (m) | Sampling Depth (m) | | Current Speed (m/s) | Current Direction | Water Temperature (°C) | | pH | | Salinity (ppt) | | DO Saturation (%) | | Dissolved Oxygen | | Turbidity (NTU) | | Suspended Solids (mg/L) | | Total Alkalinity (ppm) | | Coordinate HK Grid (Northing) | Coordinate HK Grid (Easting) | Chromium (µg/L) | | Nickel (µg/L) | | | | | | |
|--------------------|-------------------|---------------|---------------|-----------------|--------------------|-----|---------------------|-------------------|------------------------|---------|-------|---------|----------------|---------|-------------------|---------|------------------|-----|-----------------|-----|-------------------------|----|------------------------|----|-------------------------------|------------------------------|-----------------|------|---------------|------|-------|-----|---|---|---|
| | | | | | | | | | Value | Average | Value | Average | Value | Average | Value | Average | Value | DA | Value | DA | Value | DA | Value | DA | | | Value | DA | Value | DA | Value | DA | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IM9 | Cloudy | Moderate | 12:19 | 7.6 | Surface | 1.0 | 0.8 | 165 | 26.0 | 26.0 | 7.9 | 7.9 | 26.7 | 26.7 | 96.5 | 96.5 | 6.7 | 6.7 | 3.3 | 6.7 | 4 | 4 | 83 | 89 | 822107 | 808793 | <0.2 | <0.2 | 2.0 | 2.0 | | | | | |
| | | | | | | 1.0 | 0.8 | 167 | 26.0 | 26.0 | 7.9 | 7.9 | 26.7 | 26.7 | 96.4 | 96.5 | 6.7 | 6.7 | 3.3 | 6.7 | 4 | 4 | 82 | 89 | | | | | 2.0 | 2.0 | | | | | |
| | | | | | Middle | 3.8 | 0.8 | 158 | 26.0 | 26.0 | 7.9 | 7.9 | 26.8 | 26.8 | 95.8 | 95.8 | 6.7 | 6.7 | 4.3 | 5.4 | 3 | 4 | 91 | 89 | | | | | <0.2 | <0.2 | 2.1 | 2.0 | | | |
| | | | | | | 3.8 | 0.8 | 164 | 26.0 | 26.0 | 7.9 | 7.9 | 26.8 | 26.8 | 95.8 | 95.8 | 6.7 | 6.7 | 4.3 | 5.4 | 4 | 4 | 90 | 89 | | | | | <0.2 | <0.2 | 1.9 | 2.0 | | | |
| | | | | | Bottom | 6.6 | 0.6 | 153 | 26.1 | 26.1 | 7.9 | 7.9 | 28.2 | 28.3 | 96.5 | 96.5 | 6.7 | 6.7 | 8.7 | 6.7 | 6 | 5 | 94 | 89 | | | | | <0.2 | <0.2 | 2.0 | 2.2 | | | |
| | | | | | | 6.6 | 0.6 | 159 | 26.1 | 26.1 | 7.9 | 7.9 | 28.3 | 28.3 | 96.5 | 96.5 | 6.7 | 6.7 | 8.7 | 6.7 | 5 | 5 | 92 | 89 | | | | | <0.2 | <0.2 | 2.0 | 2.2 | | | |
| IM10 | Cloudy | Moderate | 12:10 | 8.3 | Surface | 1.0 | 0.8 | 150 | 26.0 | 26.0 | 7.9 | 7.9 | 26.8 | 26.8 | 96.0 | 96.0 | 6.7 | 6.7 | 3.7 | 6.7 | 5 | 6 | 85 | 89 | 822229 | 809820 | <0.2 | <0.2 | 2.0 | 2.0 | | | | | |
| | | | | | | 1.0 | 0.8 | 151 | 26.0 | 26.0 | 7.9 | 7.9 | 26.8 | 26.8 | 96.0 | 96.0 | 6.7 | 6.7 | 3.8 | 6.7 | 5 | 6 | 86 | 89 | | | | | 2.0 | 2.0 | | | | | |
| | | | | | Middle | 4.2 | 0.6 | 137 | 26.1 | 26.1 | 8.0 | 8.0 | 27.6 | 27.6 | 95.3 | 95.4 | 6.6 | 6.6 | 7.4 | 7.4 | 5 | 5 | 89 | 89 | | | | | <0.2 | <0.2 | 2.2 | 2.0 | | | |
| | | | | | | 4.2 | 0.6 | 142 | 26.1 | 26.1 | 8.0 | 8.0 | 27.6 | 27.6 | 95.4 | 95.4 | 6.6 | 6.6 | 7.4 | 7.4 | 5 | 5 | 89 | 89 | | | | | <0.2 | <0.2 | 2.0 | 2.0 | | | |
| | | | | | Bottom | 7.3 | 0.5 | 131 | 26.1 | 26.1 | 7.9 | 7.9 | 27.7 | 27.7 | 96.8 | 96.9 | 6.7 | 6.7 | 11.1 | 6.7 | 8 | 9 | 91 | 89 | | | | | <0.2 | <0.2 | 1.7 | 1.9 | | | |
| | | | | | | 7.3 | 0.5 | 131 | 26.1 | 26.1 | 7.9 | 7.9 | 27.7 | 27.7 | 96.9 | 96.9 | 6.7 | 6.7 | 11.1 | 6.7 | 9 | 9 | 92 | 89 | | | | | <0.2 | <0.2 | 1.7 | 1.9 | | | |
| IM11 | Cloudy | Moderate | 12:01 | 7.3 | Surface | 1.0 | 0.7 | 124 | 26.1 | 26.1 | 7.9 | 7.9 | 26.6 | 26.6 | 94.9 | 94.9 | 6.6 | 6.6 | 3.8 | 6.5 | 3 | 6 | 84 | 89 | 821506 | 810532 | <0.2 | <0.2 | 2.0 | 2.0 | | | | | |
| | | | | | | 1.0 | 0.7 | 126 | 26.1 | 26.1 | 7.9 | 7.9 | 26.6 | 26.6 | 94.9 | 94.9 | 6.6 | 6.6 | 3.8 | 6.5 | 3 | 6 | 85 | 89 | | | | | 1.9 | 2.0 | | | | | |
| | | | | | Middle | 3.7 | 0.7 | 124 | 26.1 | 26.1 | 7.9 | 7.9 | 27.3 | 27.3 | 92.7 | 92.7 | 6.4 | 6.4 | 7.7 | 7.5 | 6 | 6 | 90 | 89 | | | | | <0.2 | <0.2 | 2.2 | 2.0 | | | |
| | | | | | | 3.7 | 0.7 | 133 | 26.1 | 26.1 | 7.9 | 7.9 | 27.3 | 27.3 | 92.7 | 92.7 | 6.4 | 6.4 | 7.8 | 7.5 | 4 | 6 | 89 | 89 | | | | | <0.2 | <0.2 | 2.0 | 2.0 | | | |
| | | | | | Bottom | 6.3 | 0.6 | 111 | 26.3 | 26.3 | 7.9 | 7.9 | 27.7 | 27.7 | 92.6 | 92.7 | 6.4 | 6.4 | 10.8 | 6.4 | 9 | 6 | 92 | 89 | | | | | <0.2 | <0.2 | 1.9 | 1.8 | | | |
| | | | | | | 6.3 | 0.7 | 118 | 26.3 | 26.3 | 7.9 | 7.9 | 27.7 | 27.7 | 92.7 | 92.7 | 6.4 | 6.4 | 10.8 | 6.4 | 10 | 6 | 92 | 89 | | | | | <0.2 | <0.2 | 1.8 | 1.8 | | | |
| IM12 | Cloudy | Moderate | 11:51 | 9.6 | Surface | 1.0 | 0.8 | 108 | 26.2 | 26.2 | 7.9 | 7.9 | 26.4 | 26.4 | 94.6 | 94.6 | 6.6 | 6.6 | 3.7 | 6.6 | 4 | 5 | 85 | 89 | 821166 | 811526 | <0.2 | <0.2 | 1.8 | 1.9 | | | | | |
| | | | | | | 1.0 | 0.8 | 114 | 26.2 | 26.2 | 7.9 | 7.9 | 26.4 | 26.4 | 94.6 | 94.6 | 6.6 | 6.6 | 3.6 | 6.6 | 4 | 5 | 85 | 89 | | | | | 2.0 | 1.9 | | | | | |
| | | | | | Middle | 4.8 | 0.6 | 110 | 26.2 | 26.2 | 7.9 | 7.9 | 26.5 | 26.5 | 93.6 | 93.6 | 6.5 | 6.5 | 4.6 | 4.8 | 6 | 5 | 90 | 89 | | | | | <0.2 | <0.2 | 1.9 | 1.8 | | | |
| | | | | | | 4.8 | 0.6 | 118 | 26.2 | 26.2 | 7.9 | 7.9 | 26.5 | 26.5 | 93.5 | 93.6 | 6.5 | 6.5 | 4.6 | 4.8 | 5 | 5 | 90 | 89 | | | | | <0.2 | <0.2 | 1.8 | 1.8 | | | |
| | | | | | Bottom | 8.6 | 0.6 | 117 | 26.2 | 26.2 | 7.9 | 7.9 | 27.5 | 27.5 | 94.4 | 94.4 | 6.5 | 6.5 | 6.0 | 6.5 | 6 | 5 | 92 | 89 | | | | | <0.2 | <0.2 | 2.0 | 1.8 | | | |
| | | | | | | 8.6 | 0.6 | 126 | 26.2 | 26.2 | 7.9 | 7.9 | 27.5 | 27.5 | 94.4 | 94.4 | 6.5 | 6.5 | 6.1 | 6.5 | 4 | 5 | 92 | 89 | | | | | <0.2 | <0.2 | 1.8 | 1.8 | | | |
| SR2 | Cloudy | Moderate | 11:28 | 5.1 | Surface | 1.0 | 0.5 | 92 | 26.4 | 26.4 | 7.9 | 7.9 | 28.6 | 28.6 | 87.4 | 87.4 | 6.0 | 6.0 | 7.6 | 6.0 | 10 | 11 | 87 | 89 | 821469 | 814175 | <0.2 | <0.2 | 1.5 | 1.6 | | | | | |
| | | | | | | 1.0 | 0.5 | 100 | 26.4 | 26.4 | 7.9 | 7.9 | 28.6 | 28.6 | 87.4 | 87.4 | 6.0 | 6.0 | 7.6 | 6.0 | 11 | 11 | 88 | 89 | | | | | 1.6 | 1.6 | | | | | |
| | | | | | Middle | 2.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | - | - | - |
| | | | | | | 2.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | - | - | - |
| | | | | | Bottom | 4.1 | 0.4 | 99 | 26.4 | 26.4 | 7.8 | 7.8 | 28.8 | 28.8 | 89.7 | 89.7 | 6.1 | 6.1 | 10.2 | 6.2 | 12 | 12 | 89 | 89 | | | | | <0.2 | <0.2 | 1.7 | 1.7 | | | |
| | | | | | | 4.1 | 0.4 | 105 | 26.4 | 26.4 | 7.8 | 7.8 | 28.8 | 28.8 | 89.7 | 89.7 | 6.2 | 6.2 | 10.3 | 6.2 | 12 | 12 | 90 | 89 | | | | | <0.2 | <0.2 | 1.7 | 1.7 | | | |
| SR3 | Cloudy | Moderate | 12:36 | 9.2 | Surface | 1.0 | 0.8 | 169 | 26.1 | 26.1 | 7.9 | 7.9 | 25.7 | 25.7 | 93.4 | 93.4 | 6.5 | 6.5 | 3.7 | 6.5 | 6 | 8 | - | - | 822141 | 807577 | - | - | - | - | | | | | |
| | | | | | | 1.0 | 0.8 | 171 | 26.1 | 26.1 | 7.9 | 7.9 | 25.7 | 25.7 | 93.3 | 93.4 | 6.5 | 6.5 | 3.7 | 6.5 | 4 | 8 | - | - | | | | | - | - | | | | | |
| | | | | | Middle | 4.6 | 0.6 | 177 | 26.2 | 26.2 | 7.9 | 7.9 | 27.2 | 27.2 | 92.8 | 92.8 | 6.4 | 6.4 | 7.2 | 6.4 | 8 | 8 | - | - | | | | | - | - | - | - | - | | |
| | | | | | | 4.6 | 0.6 | 177 | 26.2 | 26.2 | 7.9 | 7.9 | 27.2 | 27.2 | 92.8 | 92.8 | 6.4 | 6.4 | 7.2 | 6.4 | 8 | 8 | - | - | | | | | - | - | - | - | - | | |
| | | | | | Bottom | 8.2 | 0.3 | 205 | 26.2 | 26.2 | 8.0 | 8.0 | 29.5 | 29.6 | 93.6 | 93.6 | 6.4 | 6.4 | 15.3 | 6.4 | 9 | 8 | - | - | | | | | - | - | - | - | - | | |
| | | | | | | 8.2 | 0.4 | 207 | 26.2 | 26.2 | 8.0 | 8.0 | 29.6 | 29.6 | 93.6 | 93.6 | 6.4 | 6.4 | 15.4 | 6.4 | 10 | 8 | - | - | | | | | - | - | - | - | - | | |
| SR4A | Fine | Calm | 11:34 | 8.2 | Surface | 1.0 | 0.5 | 248 | 28.1 | 28.1 | 8.0 | 8.0 | 27.5 | 27.5 | 95.9 | 95.9 | 6.4 | 6.4 | 7.6 | 6.4 | 14 | 14 | - | - | 817207 | 807814 | - | - | - | - | | | | | |
| | | | | | | 1.0 | 0.5 | 253 | 28.1 | 28.1 | 8.0 | 8.0 | 27.5 | 27.5 | 95.9 | 95.9 | 6.4 | 6.4 | 7.6 | 6.4 | 14 | 14 | - | - | | | | | - | - | | | | | |
| | | | | | Middle | 4.1 | 0.5 | 251 | 28.1 | 28.1 | 8.0 | 8.0 | 27.7 | 27.7 | 95.1 | 95.1 | 6.4 | 6.4 | 6.9 | 6.4 | 13 | 14 | - | - | | | | | - | - | - | - | | | |
| | | | | | | 4.1 | 0.5 | 275 | 28.1 | 28.1 | 8.0 | 8.0 | 27.7 | 27.7 | 95.1 | 95.1 | 6.4 | 6.4 | 7.1 | 6.4 | 13 | 14 | - | - | | | | | - | - | - | - | | | |
| | | | | | Bottom | 7.2 | 0.5 | 249 | 28.1 | 28.1 | 8.0 | 8.0 | 27.8 | 27.8 | 94.9 | 94.9 | 6.3 | 6.3 | 8.1 | 6.3 | 15 | 14 | - | - | | | | | - | - | - | - | | | |
| | | | | | | 7.2 | 0.5 | 272 | 28.1 | 28.1 | 8.0 | 8.0 | 27.8 | 27.8 | 94.9 | 94.9 | 6.3 | 6.3 | 8.2 | 6.3 | 16 | 14 | - | - | | | | | - | - | - | - | | | |
| SR5A | Fine | Calm | 11:15 | 4.3 | Surface | 1.0 | 0.3 | 304 | 28.2 | 28.2 | 8.0 | 8.0 | 27.1 | 27.1 | 92.8 | 92.9 | 6.2 | 6.2 | 4.6 | 6.2 | 9 | 10 | - | - | 816606 | 810681 | - | - | - | - | | | | | |
| | | | | | | 1.0 | 0.3 | 305 | 28.2 | 28.2 | 8.0 | 8.0 | 27.1 | 27.1 | 92.9 | 92.9 | 6.2 | 6.2 | 4.5 | 6.2 | 9 | 10 | - | - | | | | | - | - | | | | | |
| | | | | | Middle | 2.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | - | | |
| | | | | | | 2.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | | | |
| | | | | | Bottom | 3.3 | 0.3 | 304 | 28.1 | 28.1 | 8.0 | 8.0 | 27.1 | 27.1 | 96.8 | 96.9 | 6.5 | 6.5 | 5.5 | 6.5 | 10 | 10 | - | - | | | | | - | - | - | - | | | |
| | | | | | | 3.3 | 0.3 | 322 | 28.1 | 28.1 | 8.0 | 8.0 | 27.1 | 27.1 | 96.9 | 96.9 | 6.5 | 6.5 | 5.6 | 6.5 | 12 | 10 | - | - | | | | | - | - | - | - | | | |
| SR6 | Fine | Calm | 10:51 | 4.2 | Surface | 1.0 | 0.3 | 257 | 28.1 | 28.1 | 7.9 | 7.9 | 26.5 | 26.5 | 94.7 | 94.7 | 6.4 | 6.4 | 3.7 | 6.4 | 9 | 10 | - | - | 817883 | 814657 | - | - | - | - | | | | | |
| | | | | | | 1.0 | 0.3 | 259 | 28.1 | 28.1 | 7.9 | 7.9 | 26.5 | 26.5 | 94.7 | 94.7 | 6.4 | 6.4 | 3.6 | 6.4 | 9 | 10 | - | - | | | | | - | - | | | | | |
| | | | | | Middle | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | - | | | |
| | | | | | | 2.1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | | | - | - | - | | | | |
| | | | | | Bottom | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



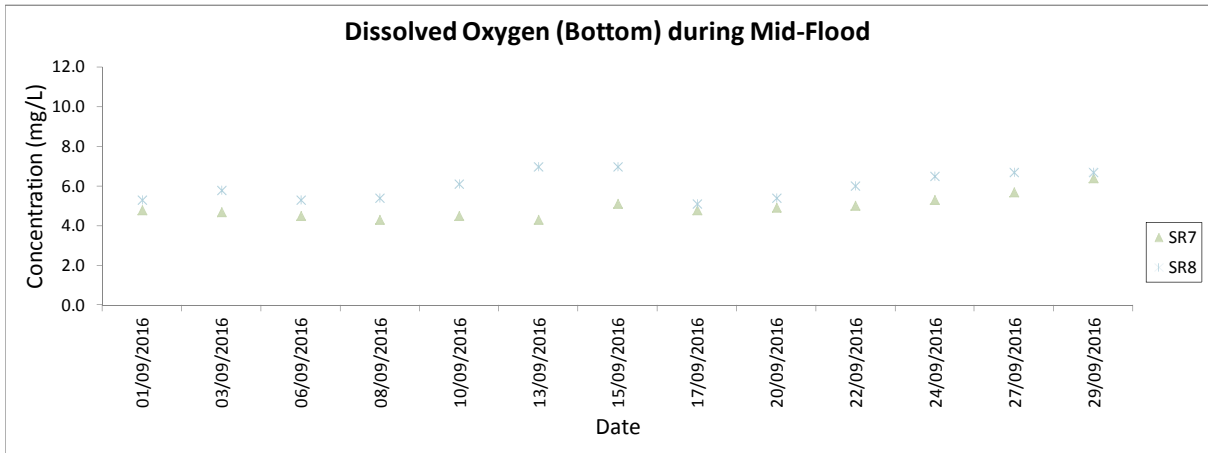
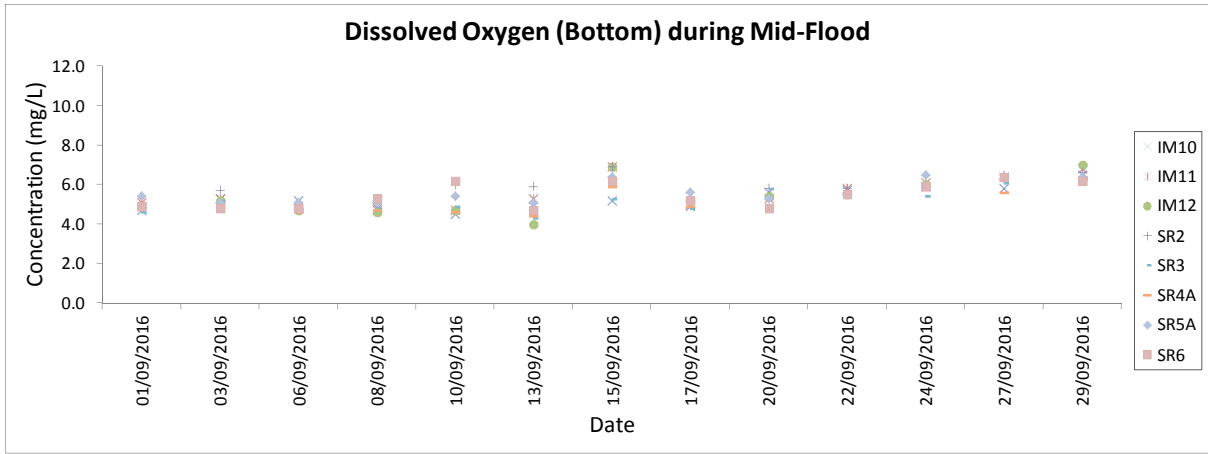
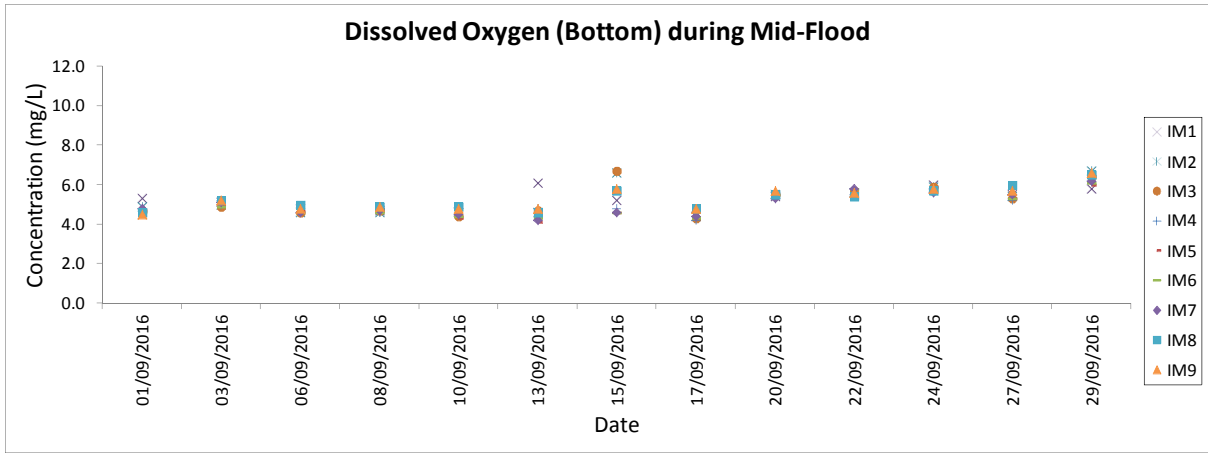
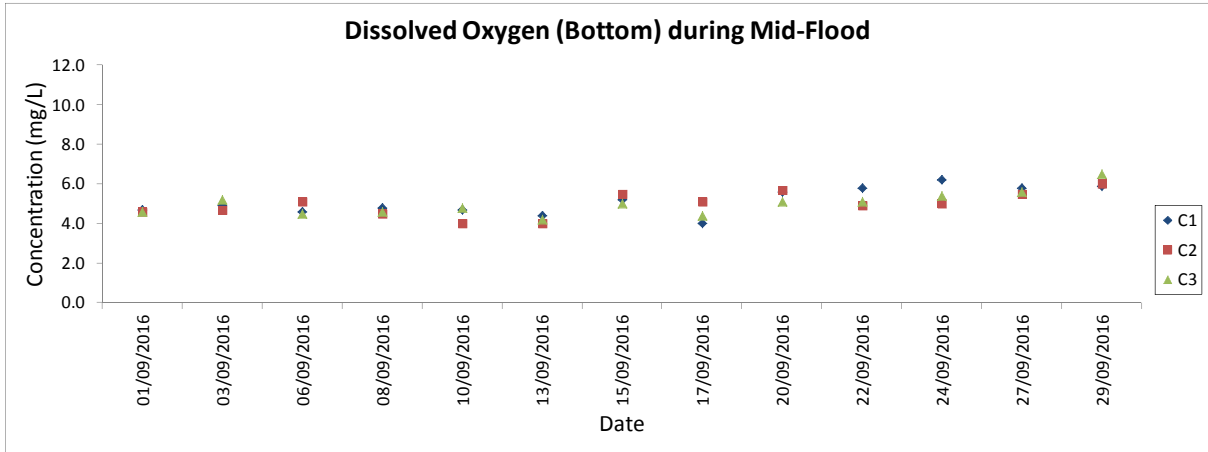
Note: The action and limit level of Dissolved Oxygen (Surface and Middle) can be referred to Table 4.2 of the monthly EM&A report.



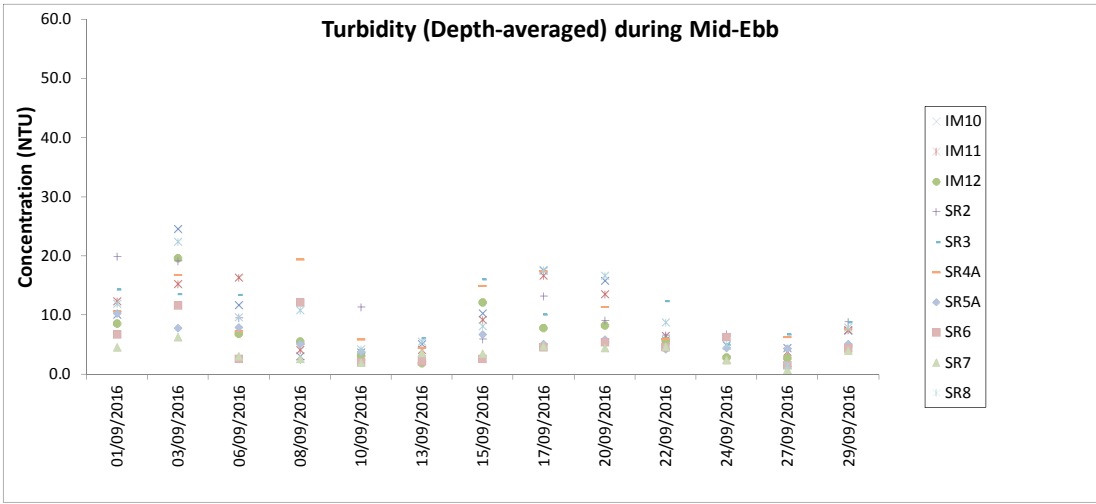
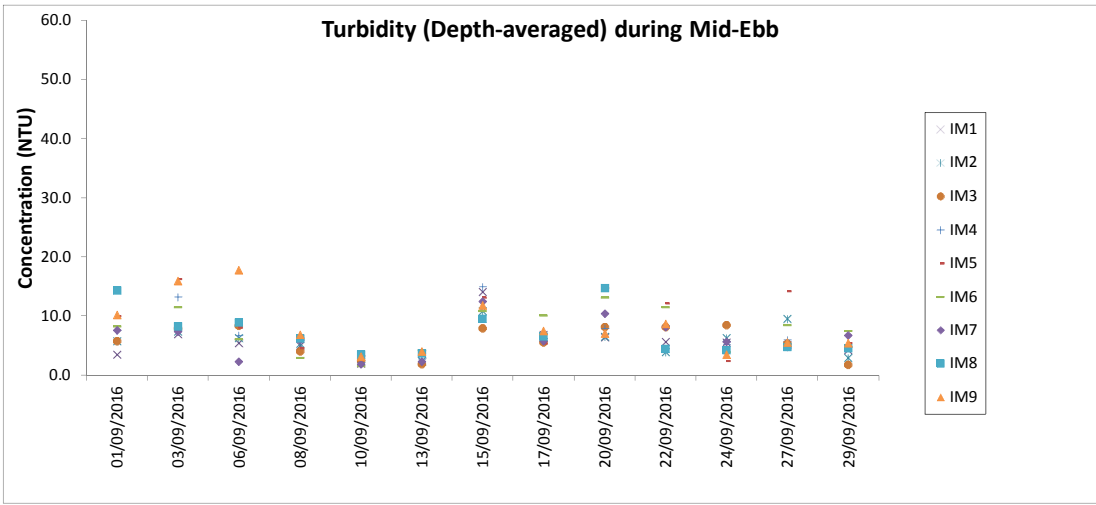
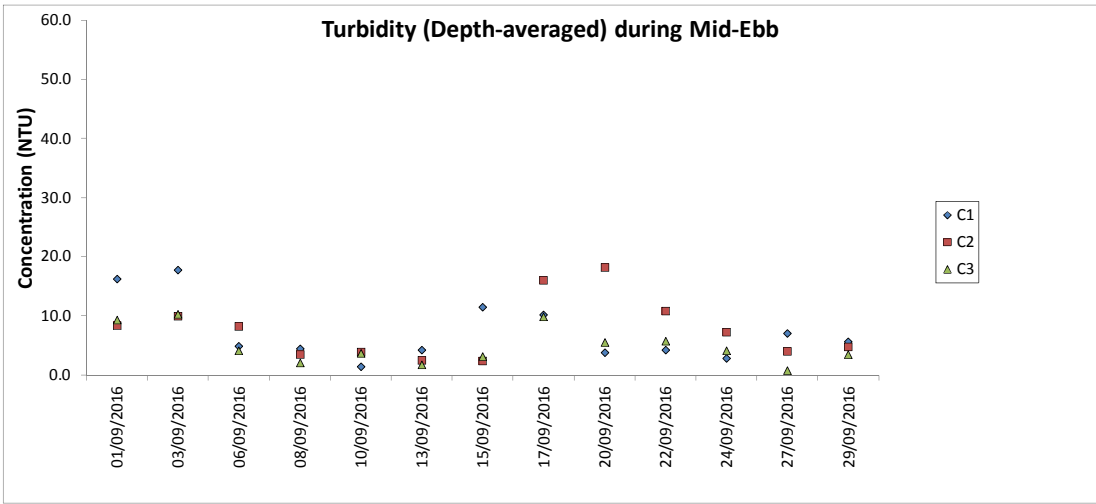
Note: The action and limit level of Dissolved Oxygen (Bottom) can be referred to Table 4.2 of the monthly EM&A report.



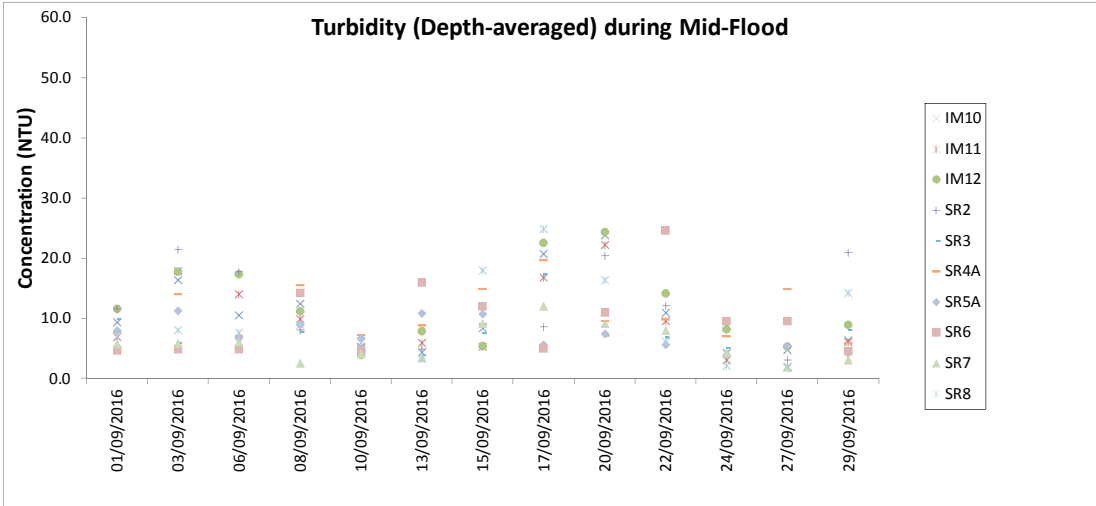
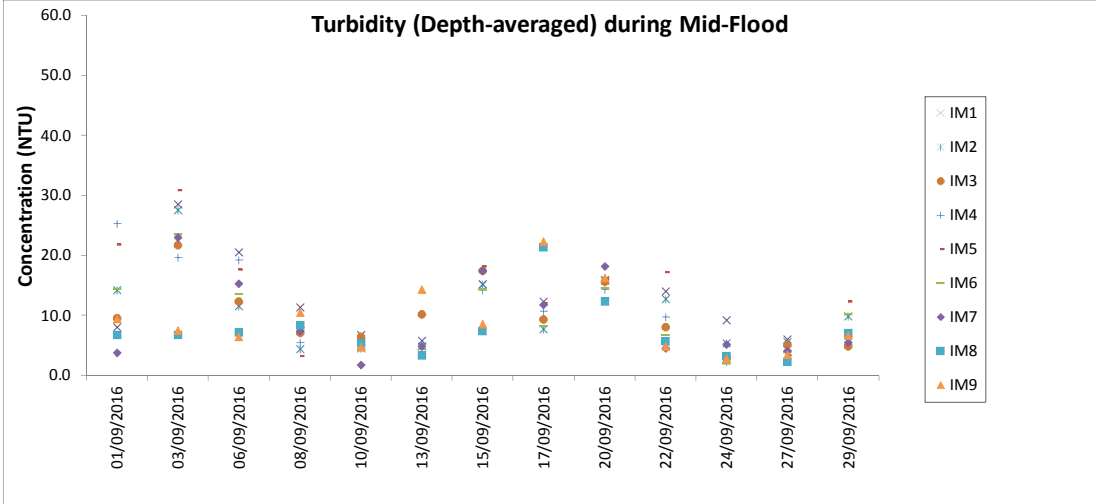
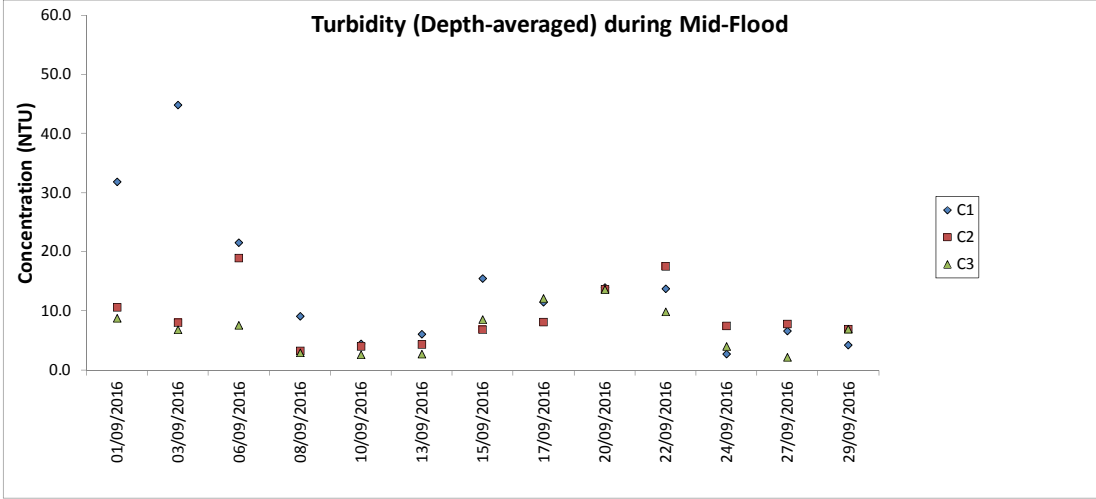
Note: The action and limit level of Dissolved Oxygen (Surface and Middle) can be referred to Table 4.2 of the monthly EM&A report.



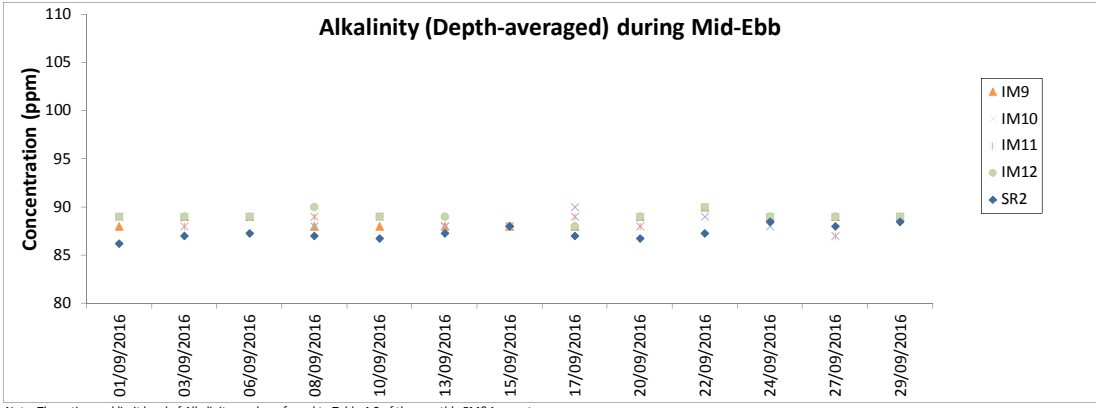
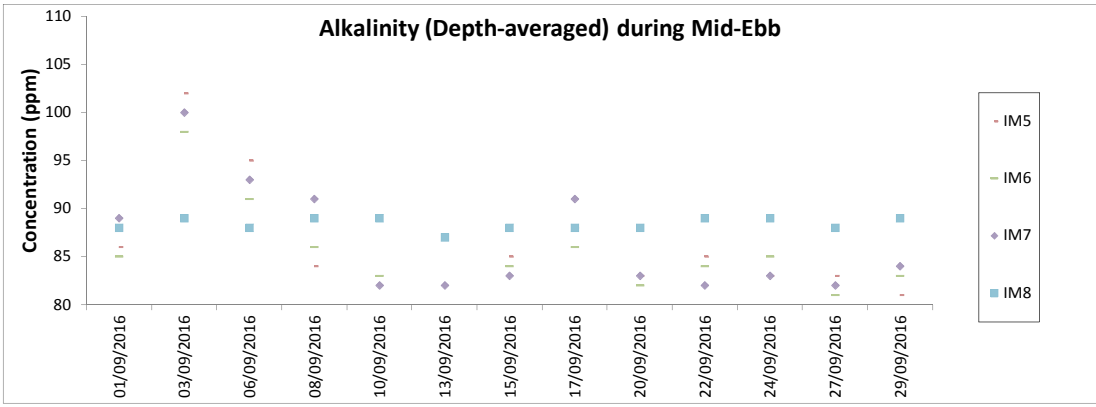
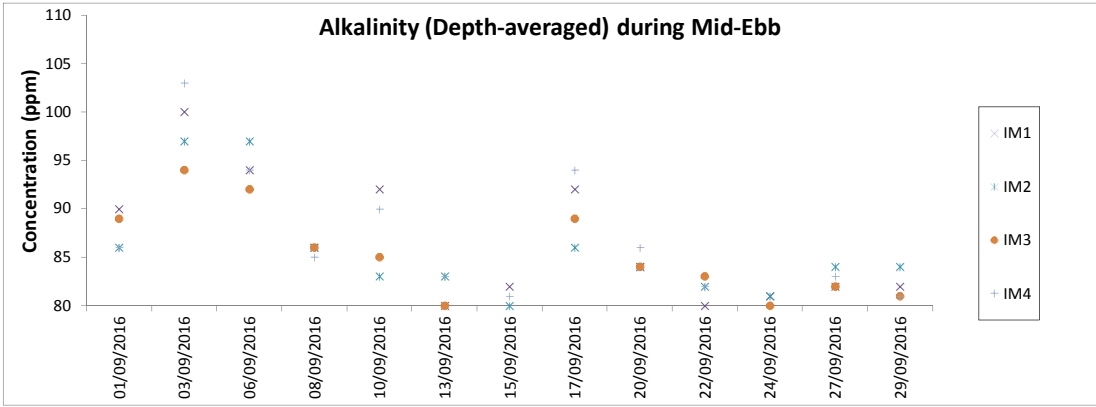
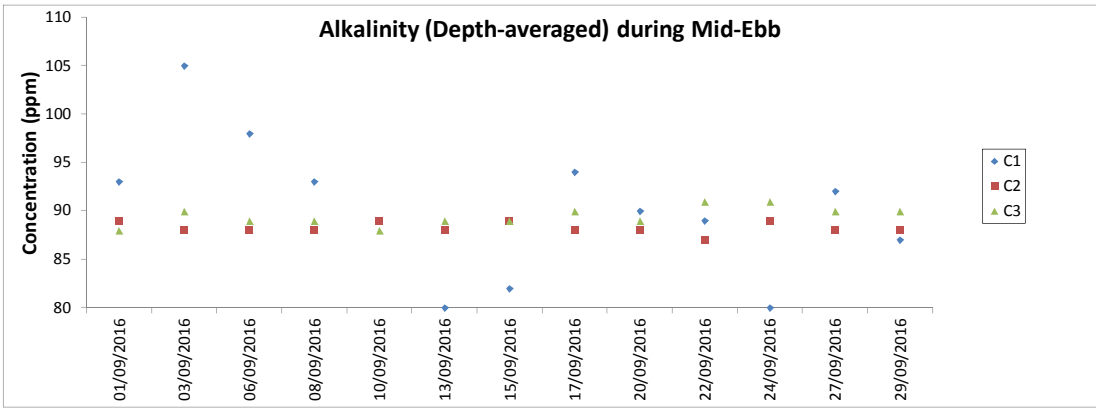
Note: The action and limit level of Dissolved Oxygen (Bottom) can be referred to Table 4.2 of the monthly EM&A report.



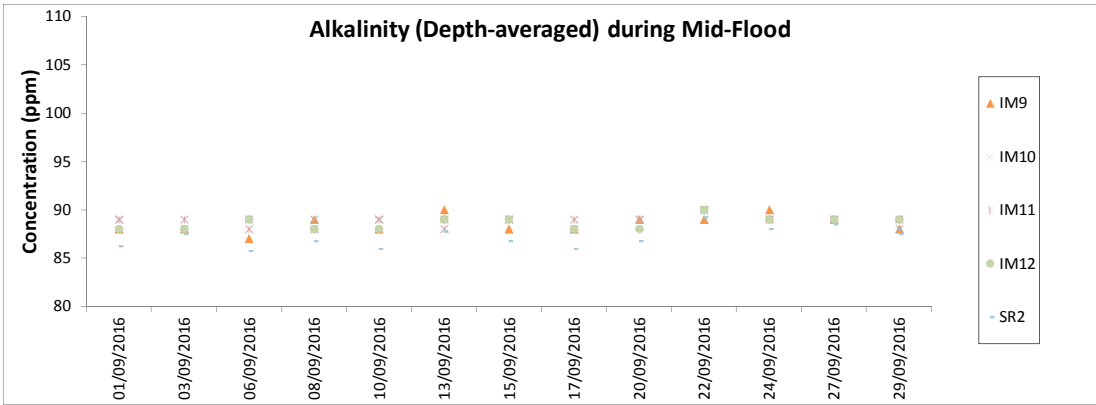
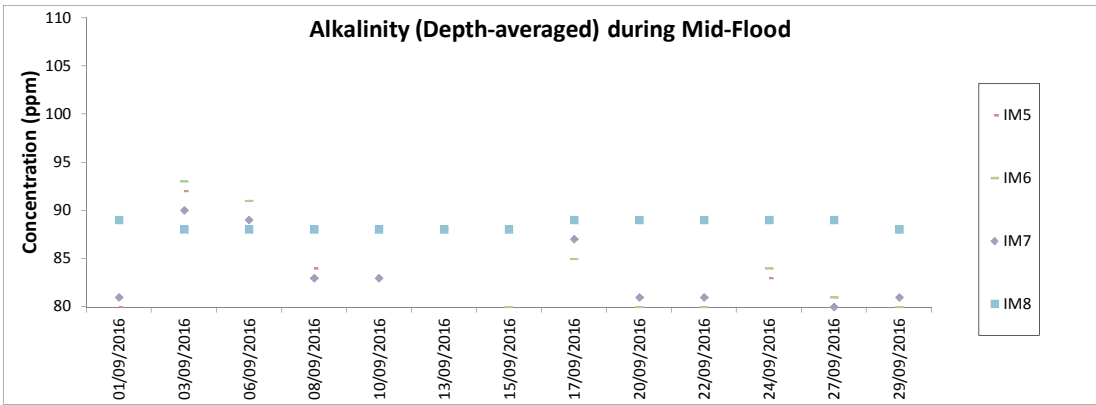
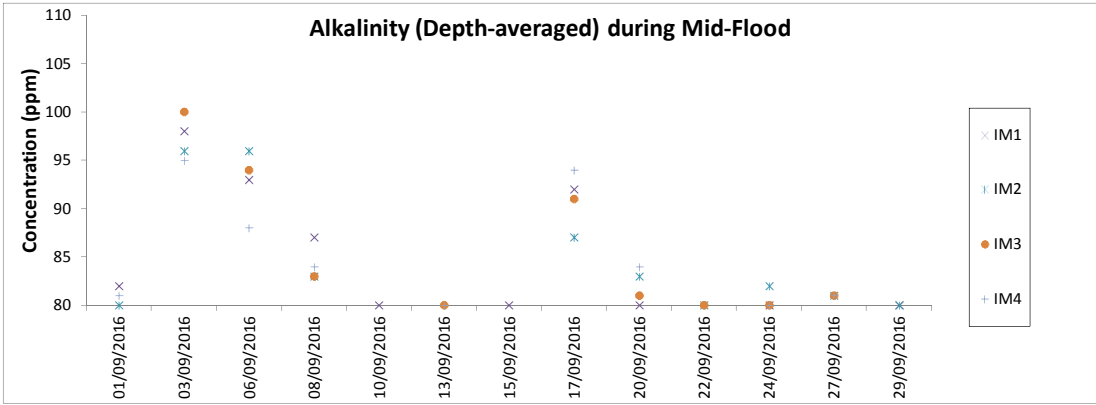
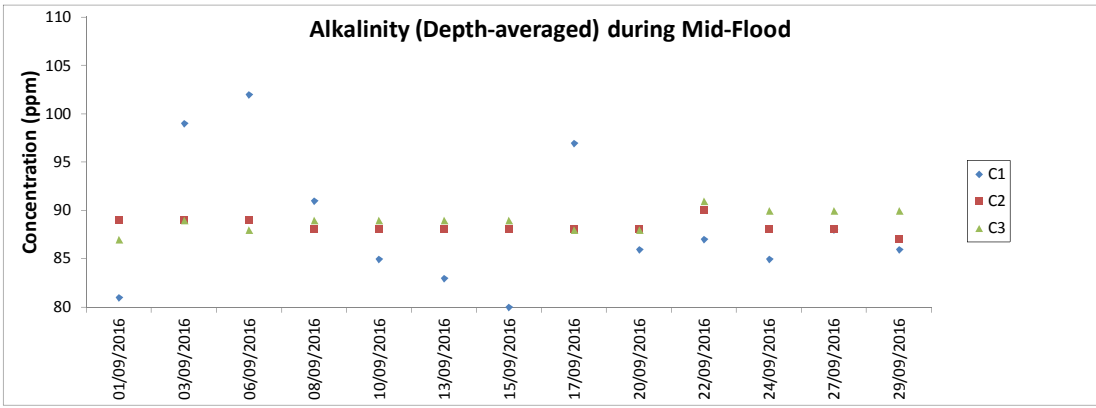
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.



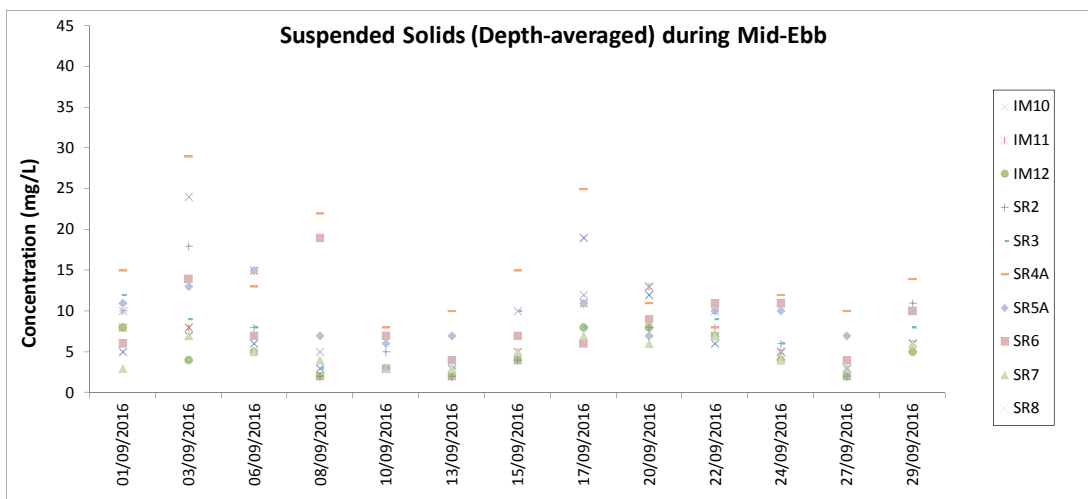
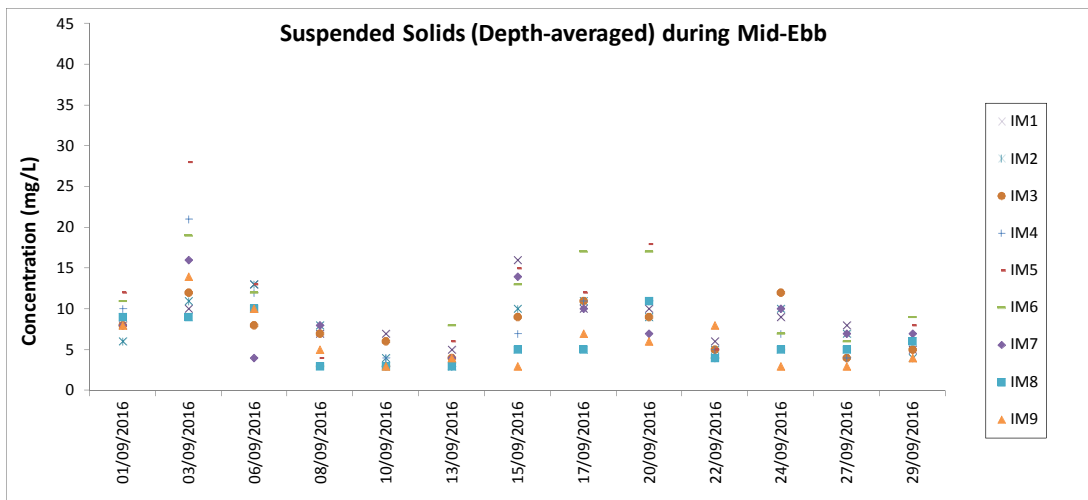
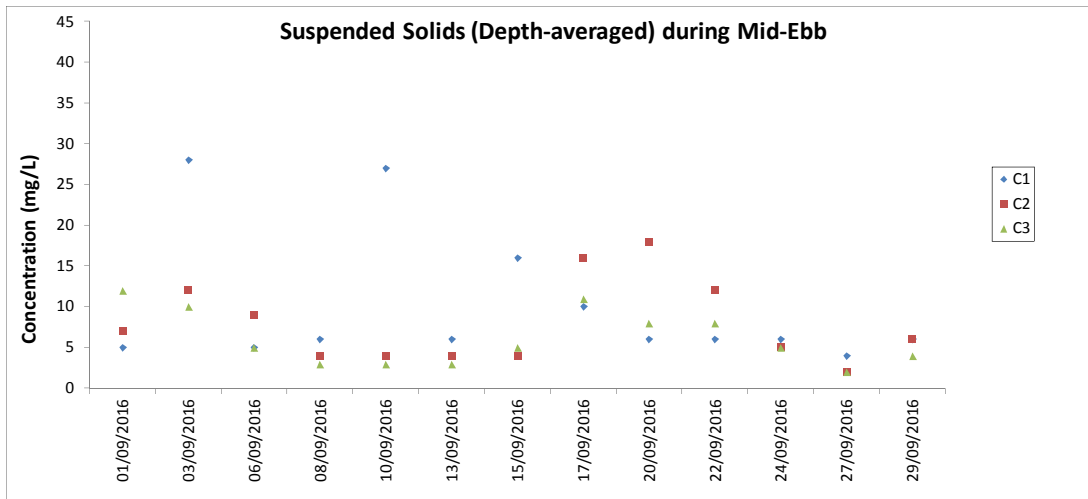
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.



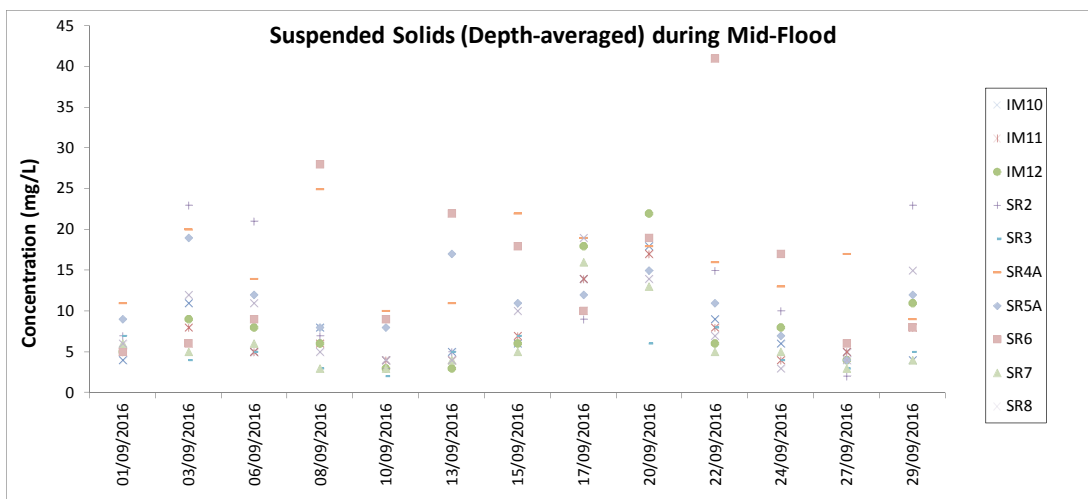
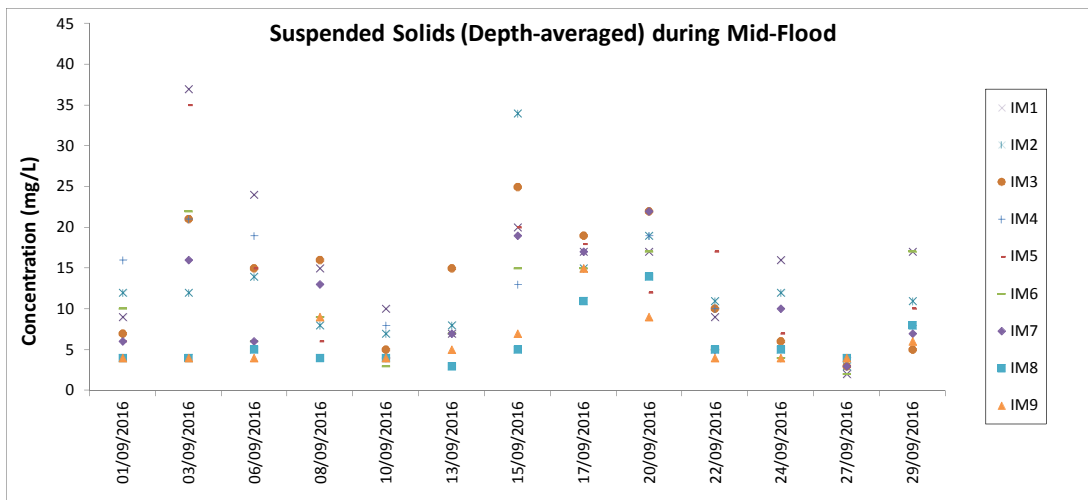
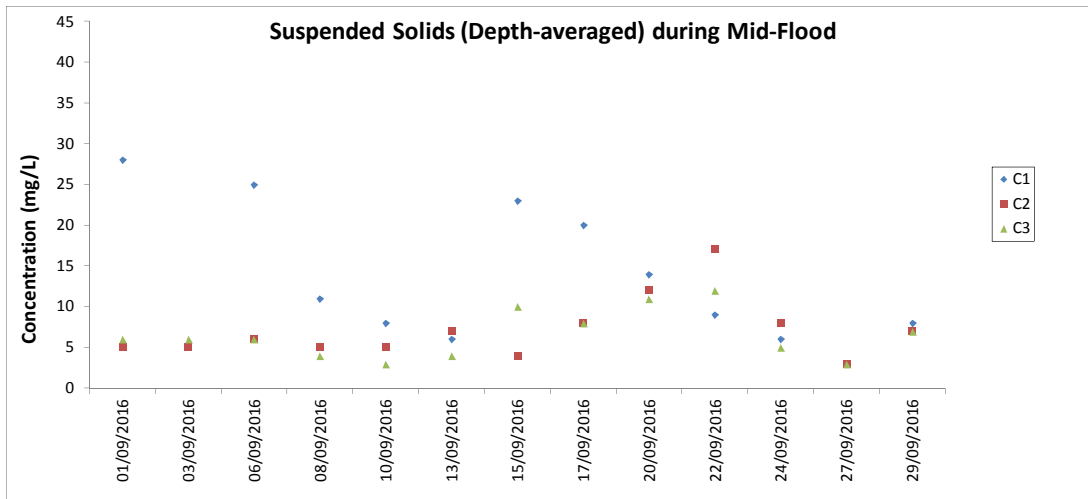
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.



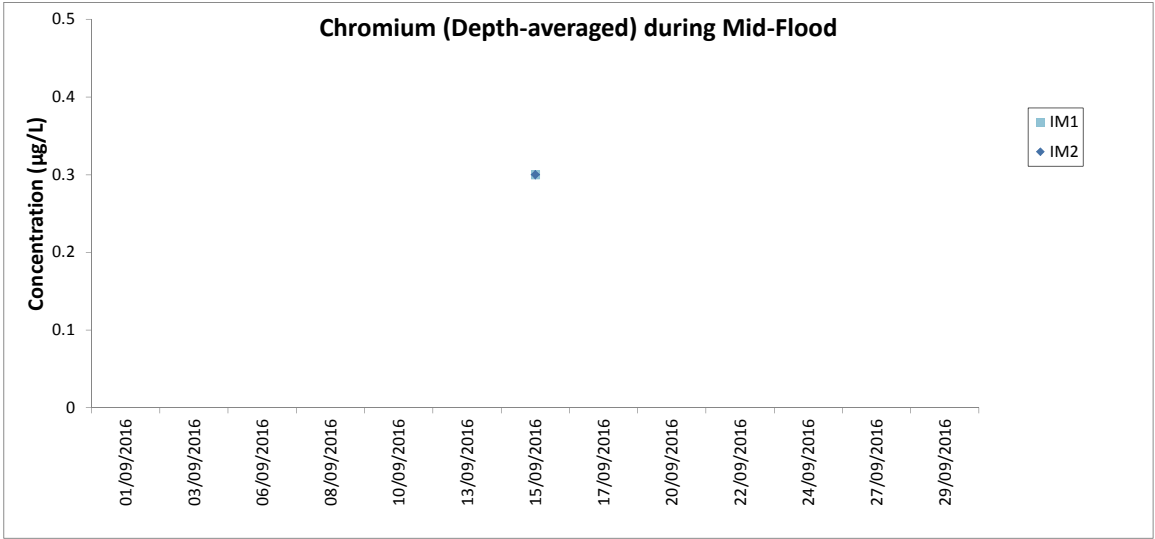
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.



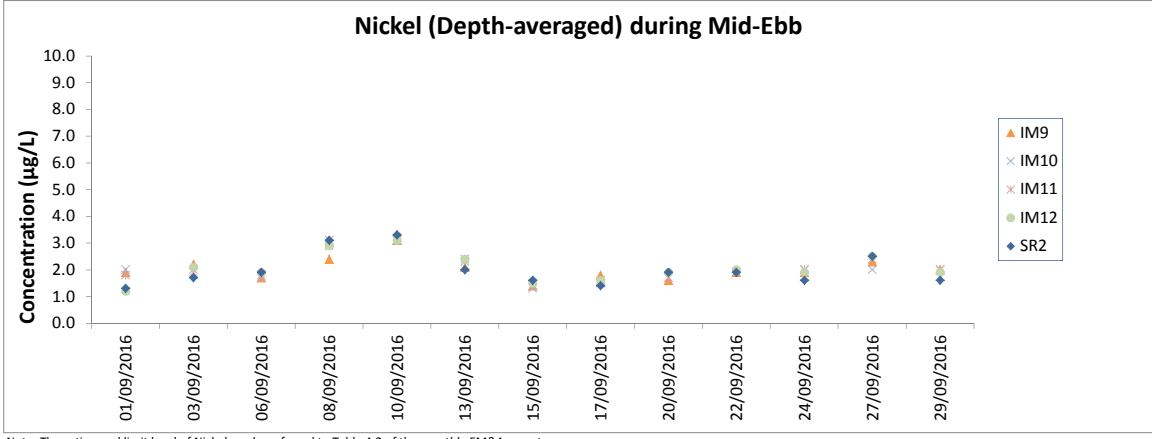
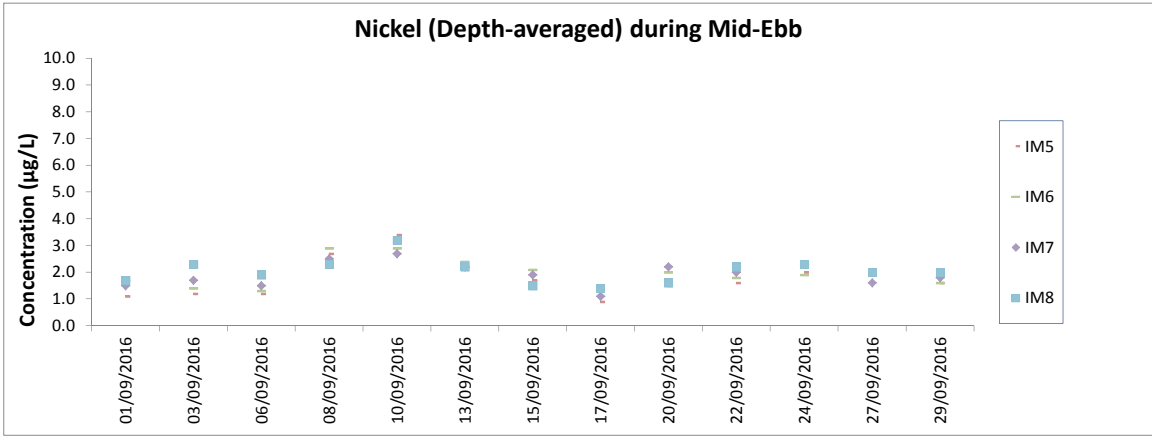
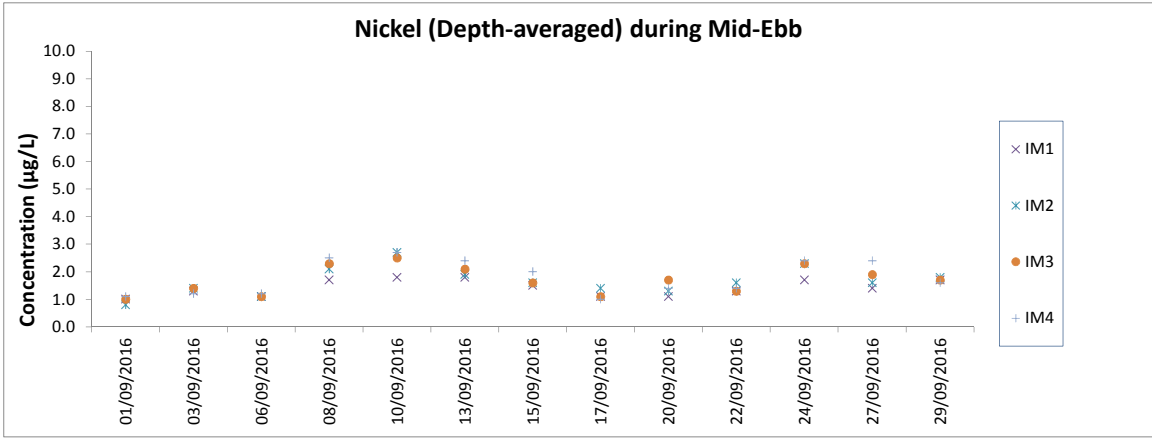
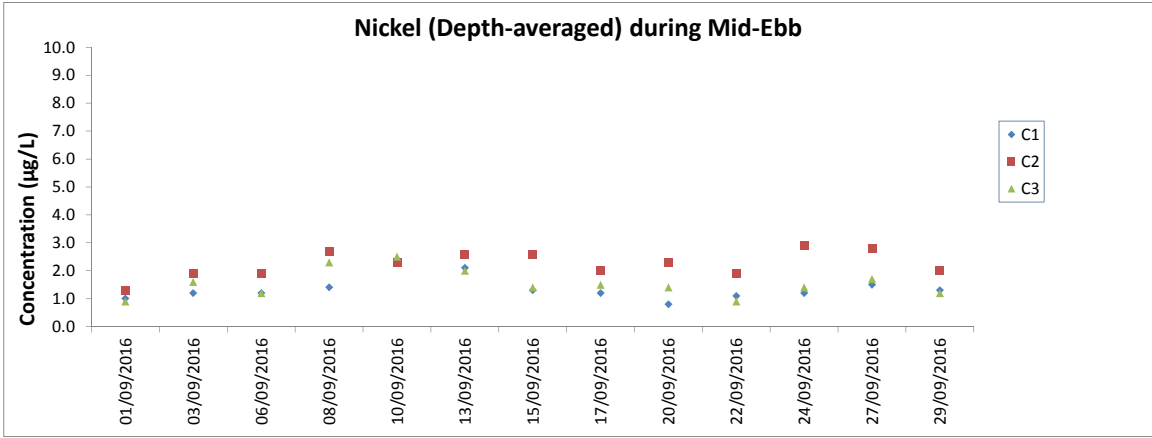
Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.



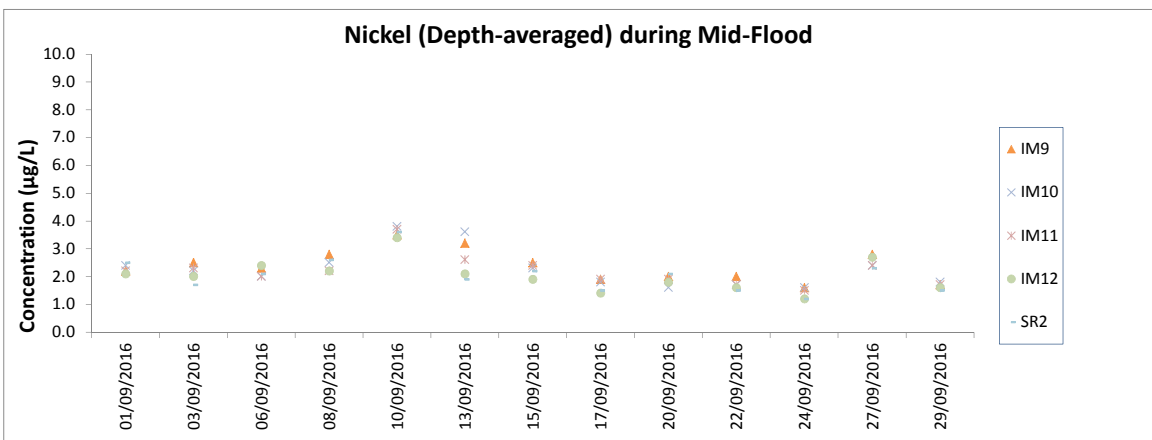
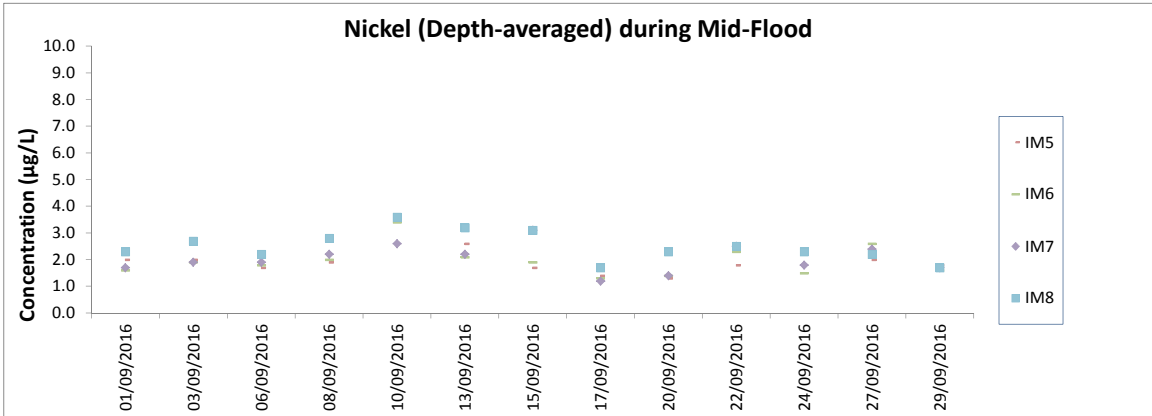
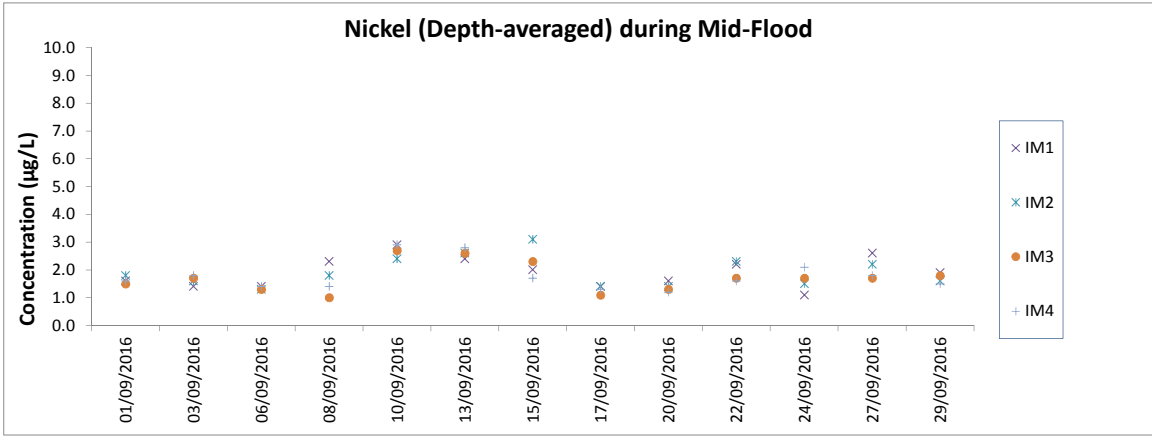
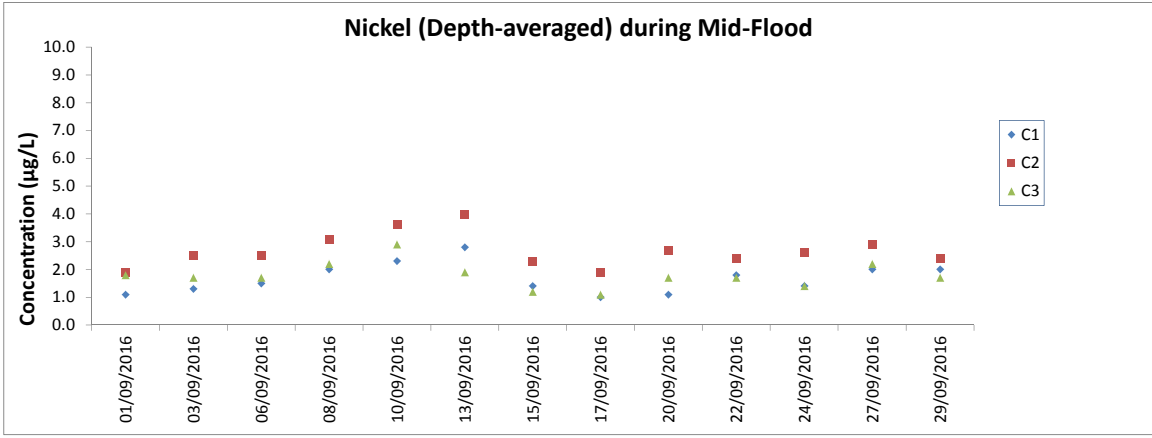
Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.



Note: The action and limit level of Chromium can be referred to Table 4.2 of the monthly EM&A report.
The monitoring results of Chromium at all other monitoring stations during mid-flood and mid-ebb tides were below the reporting limit <0.2 µg/L



Note: The action and limit level of Nickel can be referred to Table 4.2 of the monthly EM&A report.



Note: The action and limit level of Nickel can be referred to Table 4.2 of the monthly EM&A report.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

| DATE | AREA | BEAU | KM SEARCHED | SEASON | VESSEL | TYPE |
|-----------|------|------|-------------|--------|--------|--------|
| 4-Jul-16 | NEL | 2 | 3.40 | SUMMER | 32166 | 3RS ET |
| 4-Jul-16 | NEL | 3 | 23.21 | SUMMER | 32166 | 3RS ET |
| 4-Jul-16 | NEL | 4 | 19.39 | SUMMER | 32166 | 3RS ET |
| 6-Jul-16 | NEL | 1 | 13.60 | SUMMER | 32166 | 3RS ET |
| 6-Jul-16 | NEL | 2 | 14.68 | SUMMER | 32166 | 3RS ET |
| 6-Jul-16 | NEL | 3 | 18.72 | SUMMER | 32166 | 3RS ET |
| 7-Jul-16 | AW | 3 | 5.13 | SUMMER | 32166 | 3RS ET |
| 7-Jul-16 | WL | 2 | 11.09 | SUMMER | 32166 | 3RS ET |
| 7-Jul-16 | WL | 3 | 17.57 | SUMMER | 32166 | 3RS ET |
| 7-Jul-16 | SWL | 2 | 5.16 | SUMMER | 32166 | 3RS ET |
| 13-Jul-16 | NWL | 1 | 12.00 | SUMMER | 32166 | 3RS ET |
| 13-Jul-16 | NWL | 2 | 66.80 | SUMMER | 32166 | 3RS ET |
| 13-Jul-16 | NWL | 3 | 5.10 | SUMMER | 32166 | 3RS ET |
| 14-Jul-16 | AW | 2 | 4.96 | SUMMER | 32166 | 3RS ET |
| 14-Jul-16 | WL | 1 | 2.60 | SUMMER | 32166 | 3RS ET |
| 14-Jul-16 | WL | 2 | 2.92 | SUMMER | 32166 | 3RS ET |
| 14-Jul-16 | WL | 3 | 21.30 | SUMMER | 32166 | 3RS ET |
| 14-Jul-16 | WL | 4 | 6.38 | SUMMER | 32166 | 3RS ET |
| 14-Jul-16 | SWL | 3 | 7.09 | SUMMER | 32166 | 3RS ET |
| 18-Jul-16 | SWL | 2 | 10.21 | SUMMER | 32166 | 3RS ET |
| 18-Jul-16 | SWL | 3 | 38.54 | SUMMER | 32166 | 3RS ET |
| 18-Jul-16 | SWL | 4 | 7.57 | SUMMER | 32166 | 3RS ET |
| 18-Jul-16 | SWL | 5 | 2.02 | SUMMER | 32166 | 3RS ET |
| 22-Jul-16 | NWL | 1 | 6.55 | SUMMER | 32166 | 3RS ET |
| 22-Jul-16 | NWL | 2 | 11.58 | SUMMER | 32166 | 3RS ET |
| 22-Jul-16 | NWL | 3 | 45.96 | SUMMER | 32166 | 3RS ET |
| 22-Jul-16 | NWL | 4 | 13.28 | SUMMER | 32166 | 3RS ET |
| 25-Jul-16 | SWL | 1 | 31.32 | SUMMER | 32166 | 3RS ET |
| 25-Jul-16 | SWL | 2 | 15.35 | SUMMER | 32166 | 3RS ET |
| 5-Aug-16 | NEL | 2 | 44.36 | SUMMER | 32166 | 3RS ET |
| 5-Aug-16 | NEL | 3 | 2.64 | SUMMER | 32166 | 3RS ET |
| 9-Aug-16 | AW | 2 | 4.76 | SUMMER | 32166 | 3RS ET |
| 9-Aug-16 | WL | 1 | 8.07 | SUMMER | 32166 | 3RS ET |
| 9-Aug-16 | WL | 2 | 16.14 | SUMMER | 32166 | 3RS ET |
| 9-Aug-16 | WL | 3 | 3.70 | SUMMER | 32166 | 3RS ET |
| 9-Aug-16 | WL | 4 | 1.80 | SUMMER | 32166 | 3RS ET |
| 9-Aug-16 | SWL | 3 | 1.41 | SUMMER | 32166 | 3RS ET |
| 9-Aug-16 | SWL | 4 | 0.77 | SUMMER | 32166 | 3RS ET |
| 9-Aug-16 | SWL | 5 | 4.79 | SUMMER | 32166 | 3RS ET |
| 10-Aug-16 | SWL | 1 | 14.30 | SUMMER | 32166 | 3RS ET |
| 10-Aug-16 | SWL | 2 | 37.70 | SUMMER | 32166 | 3RS ET |
| 10-Aug-16 | SWL | 3 | 11.10 | SUMMER | 32166 | 3RS ET |
| 15-Aug-16 | NEL | 1 | 21.10 | SUMMER | 32166 | 3RS ET |
| 15-Aug-16 | NEL | 2 | 26.00 | SUMMER | 32166 | 3RS ET |
| 19-Aug-16 | NWL | 3 | 68.90 | SUMMER | 32166 | 3RS ET |
| 19-Aug-16 | NWL | 4 | 12.60 | SUMMER | 32166 | 3RS ET |
| 19-Aug-16 | NWL | 5 | 0.40 | SUMMER | 32166 | 3RS ET |

| DATE | AREA | BEAU | KM SEARCHED | SEASON | VESSEL | TYPE |
|-----------|------|------|-------------|--------|--------|--------|
| 22-Aug-16 | AW | 2 | 1.58 | SUMMER | 32166 | 3RS ET |
| 22-Aug-16 | AW | 3 | 3.20 | SUMMER | 32166 | 3RS ET |
| 22-Aug-16 | WL | 2 | 11.83 | SUMMER | 32166 | 3RS ET |
| 22-Aug-16 | WL | 3 | 6.71 | SUMMER | 32166 | 3RS ET |
| 22-Aug-16 | WL | 4 | 11.94 | SUMMER | 32166 | 3RS ET |
| 22-Aug-16 | SWL | 3 | 0.83 | SUMMER | 32166 | 3RS ET |
| 22-Aug-16 | SWL | 4 | 6.17 | SUMMER | 32166 | 3RS ET |
| 24-Aug-16 | NWL | 1 | 34.84 | SUMMER | 32166 | 3RS ET |
| 24-Aug-16 | NWL | 2 | 48.06 | SUMMER | 32166 | 3RS ET |
| 25-Aug-16 | SWL | 1 | 11.89 | SUMMER | 32166 | 3RS ET |
| 25-Aug-16 | SWL | 2 | 38.89 | SUMMER | 32166 | 3RS ET |
| 25-Aug-16 | SWL | 3 | 12.60 | SUMMER | 32166 | 3RS ET |
| 05-Sep-16 | NEL | 2 | 41.6 | AUTUMN | 32166 | 3RS ET |
| 05-Sep-16 | NEL | 3 | 5.4 | AUTUMN | 32166 | 3RS ET |
| 06-Sep-16 | NWL | 1 | 8.62 | AUTUMN | 32166 | 3RS ET |
| 06-Sep-16 | NWL | 2 | 47.1 | AUTUMN | 32166 | 3RS ET |
| 06-Sep-16 | NWL | 3 | 27.38 | AUTUMN | 32166 | 3RS ET |
| 08-Sep-16 | AW | 2 | 2.65 | AUTUMN | 32166 | 3RS ET |
| 08-Sep-16 | AW | 3 | 2.43 | AUTUMN | 32166 | 3RS ET |
| 08-Sep-16 | WL | 1 | 5.25 | AUTUMN | 32166 | 3RS ET |
| 08-Sep-16 | WL | 2 | 23.16 | AUTUMN | 32166 | 3RS ET |
| 08-Sep-16 | WL | 3 | 2.67 | AUTUMN | 32166 | 3RS ET |
| 08-Sep-16 | SWL | 1 | 2.15 | AUTUMN | 32166 | 3RS ET |
| 08-Sep-16 | SWL | 2 | 10.15 | AUTUMN | 32166 | 3RS ET |
| 19-Sep-16 | AW | 3 | 4.81 | AUTUMN | 32166 | 3RS ET |
| 19-Sep-16 | WL | 2 | 5.1 | AUTUMN | 32166 | 3RS ET |
| 19-Sep-16 | WL | 3 | 25.61 | AUTUMN | 32166 | 3RS ET |
| 19-Sep-16 | SWL | 2 | 6.81 | AUTUMN | 32166 | 3RS ET |
| 20-Sep-16 | NEL | 1 | 1.1 | AUTUMN | 32166 | 3RS ET |
| 20-Sep-16 | NEL | 2 | 45.7 | AUTUMN | 32166 | 3RS ET |
| 22-Sep-16 | NWL | 2 | 33.84 | AUTUMN | 32166 | 3RS ET |
| 22-Sep-16 | NWL | 3 | 43.92 | AUTUMN | 32166 | 3RS ET |
| 22-Sep-16 | NWL | 4 | 3.4 | AUTUMN | 32166 | 3RS ET |
| 26-Sep-16 | SWL | 1 | 5.61 | AUTUMN | 32166 | 3RS ET |
| 26-Sep-16 | SWL | 2 | 18.67 | AUTUMN | 32166 | 3RS ET |
| 26-Sep-16 | SWL | 3 | 35.9 | AUTUMN | 32166 | 3RS ET |
| 26-Sep-16 | SWL | 4 | 1.64 | AUTUMN | 32166 | 3RS ET |
| 27-Sep-16 | SWL | 2 | 15.86 | AUTUMN | 32166 | 3RS ET |
| 27-Sep-16 | SWL | 3 | 35.83 | AUTUMN | 32166 | 3RS ET |
| 27-Sep-16 | SWL | 4 | 7.73 | AUTUMN | 32166 | 3RS ET |

Notes:

CWD baseline monitoring surveys were conducted in July 2016 with two sets of transect surveys for all monitoring areas. The data collected was used to derive the running quarterly STG and ANI.

CWD monitoring survey data of the two preceding survey months (i.e. July 2016 and August 2016) are presented for reference only.

CWD Small Vessel Line-transect Survey

Sighting Data

| DATE | STG # | TIME | CWD/FP | GP SZ | AREA | BEAU | PSD | EFFORT | TYPE | DEC LAT | DEC LON | SEASON | BOAT ASSOC. |
|-----------|-------|------|--------|-------|------|------|-----|--------|--------|---------|----------|--------|-------------|
| 07-Jul-16 | 1 | 1052 | CWD | 1 | WL | 2 | 957 | ON | 3RS ET | 22.2504 | 113.8411 | SUMMER | NONE |
| 07-Jul-16 | 2 | 1113 | CWD | 5 | WL | 3 | 181 | ON | 3RS ET | 22.2415 | 113.8463 | SUMMER | NONE |
| 07-Jul-16 | 3 | 1144 | CWD | 1 | WL | 3 | 91 | ON | 3RS ET | 22.2412 | 113.8364 | SUMMER | NONE |
| 07-Jul-16 | 4 | 1202 | CWD | 4 | WL | 3 | 318 | ON | 3RS ET | 22.2336 | 113.8237 | SUMMER | NONE |
| 07-Jul-16 | 5 | 1230 | CWD | 3 | WL | 2 | 161 | ON | 3RS ET | 22.2324 | 113.8364 | SUMMER | NONE |
| 07-Jul-16 | 6 | 1311 | CWD | 1 | WL | 2 | 95 | ON | 3RS ET | 22.2140 | 113.8301 | SUMMER | NONE |
| 07-Jul-16 | 7 | 1318 | CWD | 5 | WL | 2 | 19 | ON | 3RS ET | 22.2144 | 113.8330 | SUMMER | NONE |
| 07-Jul-16 | 8 | 1341 | CWD | 4 | WL | 2 | 55 | ON | 3RS ET | 22.2079 | 113.8398 | SUMMER | NONE |
| 07-Jul-16 | 9 | 1358 | CWD | 1 | WL | 2 | 100 | ON | 3RS ET | 22.2053 | 113.8350 | SUMMER | NONE |
| 07-Jul-16 | 10 | 1423 | CWD | 1 | WL | 3 | 57 | ON | 3RS ET | 22.1962 | 113.8314 | SUMMER | NONE |
| 07-Jul-16 | 11 | 1438 | CWD | 7 | WL | 3 | 265 | ON | 3RS ET | 22.1959 | 113.8426 | SUMMER | NONE |
| 07-Jul-16 | 12 | 1535 | CWD | 1 | SWL | 2 | 555 | ON | 3RS ET | 22.1825 | 113.8498 | SUMMER | NONE |
| 07-Jul-16 | 13 | 1601 | CWD | 4 | SWL | 2 | 151 | ON | 3RS ET | 22.1909 | 113.8590 | SUMMER | PURSE SEINE |
| 14-Jul-16 | 1 | 1101 | CWD | 2 | WL | 4 | N/A | OFF | 3RS ET | 22.2413 | 113.8425 | SUMMER | NONE |
| 14-Jul-16 | 2 | 1235 | CWD | 3 | WL | 4 | 186 | ON | 3RS ET | 22.1873 | 113.8306 | SUMMER | NONE |
| 14-Jul-16 | 3 | 1316 | CWD | 1 | SWL | 3 | N/A | OFF | 3RS ET | 22.1812 | 113.8589 | SUMMER | NONE |
| 18-Jul-16 | 1 | 1145 | CWD | 8 | SWL | 2 | 269 | ON | 3RS ET | 22.1974 | 113.9184 | SUMMER | NONE |
| 18-Jul-16 | 2 | 1312 | CWD | 2 | SWL | 3 | 77 | ON | 3RS ET | 22.1657 | 113.9027 | SUMMER | NONE |
| 18-Jul-16 | 3 | 1355 | CWD | 14 | SWL | 2 | N/A | OFF | 3RS ET | 22.1988 | 113.8971 | SUMMER | PURSE SEINE |
| 18-Jul-16 | 4 | 1425 | CWD | 6 | SWL | 3 | 572 | ON | 3RS ET | 22.1894 | 113.8982 | SUMMER | NONE |
| 18-Jul-16 | 5 | 1528 | CWD | 2 | SWL | 3 | 653 | ON | 3RS ET | 22.2018 | 113.8877 | SUMMER | NONE |
| 22-Jul-16 | 1 | 0959 | CWD | 3 | NWL | 1 | 118 | ON | 3RS ET | 22.3686 | 113.8683 | SUMMER | NONE |
| 22-Jul-16 | 2 | 1053 | CWD | 3 | NWL | 1 | 47 | ON | 3RS ET | 22.3086 | 113.8689 | SUMMER | NONE |
| 22-Jul-16 | 3 | 1142 | CWD | 5 | NWL | 3 | 151 | ON | 3RS ET | 22.2722 | 113.8725 | SUMMER | NONE |
| 22-Jul-16 | 4 | 1244 | CWD | 2 | NWL | 3 | 65 | ON | 3RS ET | 22.3378 | 113.8782 | SUMMER | NONE |
| 22-Jul-16 | 5 | 1342 | CWD | 7 | NWL | 4 | 15 | ON | 3RS ET | 22.3939 | 113.8726 | SUMMER | NONE |
| 25-Jul-16 | 1 | 1057 | FP | 6 | SWL | 1 | 73 | ON | 3RS ET | 22.1659 | 113.9363 | SUMMER | NONE |
| 25-Jul-16 | 2 | 1109 | FP | 3 | SWL | 1 | 19 | ON | 3RS ET | 22.1597 | 113.9357 | SUMMER | NONE |
| 25-Jul-16 | 3 | 1128 | FP | 1 | SWL | 1 | 72 | ON | 3RS ET | 22.1460 | 113.9272 | SUMMER | NONE |
| 25-Jul-16 | 4 | 1137 | FP | 3 | SWL | 1 | 132 | ON | 3RS ET | 22.1540 | 113.9273 | SUMMER | NONE |
| 25-Jul-16 | 5 | 1149 | FP | 3 | SWL | 1 | 255 | ON | 3RS ET | 22.1686 | 113.9274 | SUMMER | NONE |

| DATE | STG # | TIME | CWD/FP | GP SZ | AREA | BEAU | PSD | EFFORT | TYPE | DEC LAT | DEC LON | SEASON | BOAT ASSOC. |
|-----------|-------|------|--------|-------|------|------|------|--------|--------|---------|----------|--------|-------------|
| 25-Jul-16 | 6 | 1347 | CWD | 8 | SWL | 2 | 644 | ON | 3RS ET | 22.1845 | 113.8977 | SUMMER | NONE |
| 25-Jul-16 | 7 | 1441 | CWD | 6 | SWL | 1 | 1247 | ON | 3RS ET | 22.2029 | 113.8783 | SUMMER | NONE |
| 25-Jul-16 | 8 | 1531 | CWD | 24 | SWL | 2 | 908 | ON | 3RS ET | 22.1605 | 113.8705 | SUMMER | NONE |
| 09-Aug-16 | 1 | 1037 | CWD | 2 | WL | 1 | 8 | ON | 3RS ET | 22.2625 | 113.8563 | SUMMER | NONE |
| 09-Aug-16 | 2 | 1047 | CWD | 1 | WL | 2 | 85 | ON | 3RS ET | 22.2609 | 113.8515 | SUMMER | NONE |
| 09-Aug-16 | 3 | 1114 | CWD | 5 | WL | 2 | 98 | ON | 3RS ET | 22.2504 | 113.8413 | SUMMER | NONE |
| 09-Aug-16 | 4 | 1146 | CWD | 3 | WL | 2 | 5 | ON | 3RS ET | 22.2394 | 113.8278 | SUMMER | NONE |
| 09-Aug-16 | 5 | 1325 | CWD | 1 | SWL | 4 | N/A | OFF | 3RS ET | 22.1936 | 113.8473 | SUMMER | NONE |
| 10-Aug-16 | 1 | 1059 | FP | 1 | SWL | 2 | 130 | ON | 3RS ET | 22.1715 | 113.9353 | SUMMER | NONE |
| 10-Aug-16 | 2 | 1107 | FP | 6 | SWL | 2 | 396 | ON | 3RS ET | 22.1624 | 113.9359 | SUMMER | NONE |
| 10-Aug-16 | 3 | 1116 | FP | 5 | SWL | 2 | 256 | ON | 3RS ET | 22.1524 | 113.9356 | SUMMER | NONE |
| 19-Aug-16 | 1 | 1201 | CWD | 5 | NWL | 3 | 56 | ON | 3RS ET | 22.3869 | 113.8890 | SUMMER | NONE |
| 19-Aug-16 | 2 | 1358 | CWD | 7 | NWL | 3 | 59 | ON | 3RS ET | 22.3749 | 113.9066 | SUMMER | NONE |
| 22-Aug-16 | 1 | 0950 | CWD | 2 | WL | 2 | N/A | OFF | 3RS ET | 22.3003 | 113.8665 | SUMMER | NONE |
| 22-Aug-16 | 2 | 1001 | CWD | 5 | WL | 3 | 197 | ON | 3RS ET | 22.3023 | 113.8616 | SUMMER | NONE |
| 22-Aug-16 | 3 | 1046 | CWD | 5 | WL | 2 | 47 | ON | 3RS ET | 22.2661 | 113.8592 | SUMMER | NONE |
| 22-Aug-16 | 4 | 1116 | CWD | 1 | WL | 2 | 213 | ON | 3RS ET | 22.2503 | 113.8345 | SUMMER | NONE |
| 22-Aug-16 | 5 | 1145 | CWD | 1 | WL | 2 | 390 | ON | 3RS ET | 22.2414 | 113.8408 | SUMMER | NONE |
| 22-Aug-16 | 6 | 1209 | CWD | 5 | WL | 2 | 183 | ON | 3RS ET | 22.2367 | 113.8265 | SUMMER | NONE |
| 22-Aug-16 | 7 | 1237 | CWD | 7 | WL | 2 | 124 | ON | 3RS ET | 22.2236 | 113.8369 | SUMMER | NONE |
| 22-Aug-16 | 8 | 1318 | CWD | 4 | WL | 4 | 245 | ON | 3RS ET | 22.2143 | 113.8209 | SUMMER | NONE |
| 24-Aug-16 | 1 | 1216 | CWD | 6 | NWL | 1 | 32 | ON | 3RS ET | 22.3785 | 113.8888 | SUMMER | NONE |
| 24-Aug-16 | 2 | 1336 | CWD | 1 | NWL | 2 | 27 | ON | 3RS ET | 22.3797 | 113.8976 | SUMMER | NONE |
| 25-Aug-16 | 1 | 1013 | CWD | 1 | SWL | 2 | N/A | OFF | 3RS ET | 22.1997 | 113.8684 | SUMMER | NONE |
| 25-Aug-16 | 2 | 1142 | CWD | 7 | SWL | 1 | 1303 | ON | 3RS ET | 22.1498 | 113.8887 | SUMMER | NONE |
| 06-Sep-16 | 1 | 1127 | CWD | 3 | NWL | 3 | 48 | ON | 3RS ET | 22.3379 | 113.8784 | AUTUMN | NONE |
| 08-Sep-16 | 1 | 1020 | CWD | 4 | WL | 1 | 221 | ON | 3RS ET | 22.2504 | 113.8387 | AUTUMN | PURSE SEINE |
| 08-Sep-16 | 2 | 1044 | CWD | 9 | WL | 1 | 36 | ON | 3RS ET | 22.2416 | 113.8409 | AUTUMN | NONE |
| 08-Sep-16 | 3 | 1233 | CWD | 2 | WL | 2 | 100 | ON | 3RS ET | 22.1871 | 113.8365 | AUTUMN | NONE |
| 19-Sep-16 | 1 | 945 | CWD | 2 | AW | 3 | 13 | ON | 3RS ET | 22.3009 | 113.8895 | AUTUMN | NONE |
| 19-Sep-16 | 2 | 1147 | CWD | 10 | WL | 3 | 27 | ON | 3RS ET | 22.2319 | 113.8282 | AUTUMN | NONE |
| 19-Sep-16 | 3 | 1230 | CWD | 1 | WL | 3 | 135 | ON | 3RS ET | 22.2138 | 113.8202 | AUTUMN | NONE |
| 19-Sep-16 | 4 | 1244 | CWD | 8 | WL | 3 | 25 | ON | 3RS ET | 22.2142 | 113.8331 | AUTUMN | NONE |

| DATE | STG # | TIME | CWD/FP | GP SZ | AREA | BEAU | PSD | EFFORT | TYPE | DEC LAT | DEC LON | SEASON | BOAT ASSOC. |
|-----------|-------|------|--------|-------|------|------|-----|--------|--------|---------|----------|--------|-------------|
| 19-Sep-16 | 5 | 1334 | CWD | 5 | WL | 3 | 149 | ON | 3RS ET | 22.1963 | 113.8397 | AUTUMN | NONE |
| 19-Sep-16 | 6 | 1411 | CWD | 1 | SWL | 2 | 124 | ON | 3RS ET | 22.191 | 113.8508 | AUTUMN | NONE |
| 19-Sep-16 | 7 | 1427 | CWD | 5 | SWL | 2 | N/A | OFF | 3RS ET | 22.1838 | 113.8499 | AUTUMN | NONE |
| 19-Sep-16 | 8 | 1506 | CWD | 1 | SWL | 2 | N/A | OFF | 3RS ET | 22.1942 | 113.8543 | AUTUMN | PURSE SEINE |
| 22-Sep-16 | 1 | 1007 | CWD | 6 | NWL | 2 | 238 | ON | 3RS ET | 22.3373 | 113.8684 | AUTUMN | NONE |
| 22-Sep-16 | 2 | 1315 | CWD | 7 | NWL | 3 | 153 | ON | 3RS ET | 22.3636 | 113.8981 | AUTUMN | NONE |
| 26-Sep-16 | 1 | 1109 | FP | 5 | SWL | 2 | 347 | ON | 3RS ET | 22.1688 | 113.928 | AUTUMN | NONE |
| 26-Sep-16 | 2 | 1157 | FP | 2 | SWL | 3 | 308 | ON | 3RS ET | 22.1728 | 113.9195 | AUTUMN | NONE |
| 26-Sep-16 | 3 | 1456 | CWD | 5 | SWL | 2 | 15 | ON | 3RS ET | 22.1997 | 113.869 | AUTUMN | NONE |
| 27-Sep-16 | 1 | 1100 | FP | 2 | SWL | 3 | 48 | ON | 3RS ET | 22.1627 | 113.936 | AUTUMN | NONE |
| 27-Sep-16 | 2 | 1130 | FP | 1 | SWL | 3 | 34 | ON | 3RS ET | 22.1723 | 113.928 | AUTUMN | NONE |
| 27-Sep-16 | 3 | 1214 | FP | 4 | SWL | 3 | 62 | ON | 3RS ET | 22.1601 | 113.9179 | AUTUMN | NONE |
| 27-Sep-16 | 4 | 1309 | CWD | 1 | SWL | 2 | 204 | ON | 3RS ET | 22.2024 | 113.9078 | AUTUMN | NONE |
| 27-Sep-16 | 5 | 1412 | CWD | 2 | SWL | 2 | 182 | ON | 3RS ET | 22.1851 | 113.8879 | AUTUMN | NONE |
| 27-Sep-16 | 6 | 1434 | CWD | 1 | SWL | 3 | 64 | ON | 3RS ET | 22.2062 | 113.8874 | AUTUMN | NONE |

Abbreviations: STG# = Sighting Number; GP SZ = Dolphin Group Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance (in metres); N/A = Not Applicable; DEC LAT = Latitude (WGS84 in Decimal), DEC LON = Longitude (WGS84 in Decimal); BOAT ASSOC. = Fishing Boat Association

Notes:

CWD baseline monitoring surveys were conducted in July 2016 with two sets of transect surveys for all monitoring areas. The data collected was used to derive the running quarterly STG and ANI.

CWD monitoring survey data of the two preceding survey months (i.e. July 2016 and August 2016) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report.

Sighting data of finless porpoise (FP) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report. All FP sightings are excluded in calculation.

Calculation of the running quarterly STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 1195.86 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 59 on-effort sightings and total number of 246 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

Running Quarterly Encounter Rate of Number of Dolphin Sightings (STG)







$$STG = \frac{55}{1282.77} \times 100 = 4.29$$

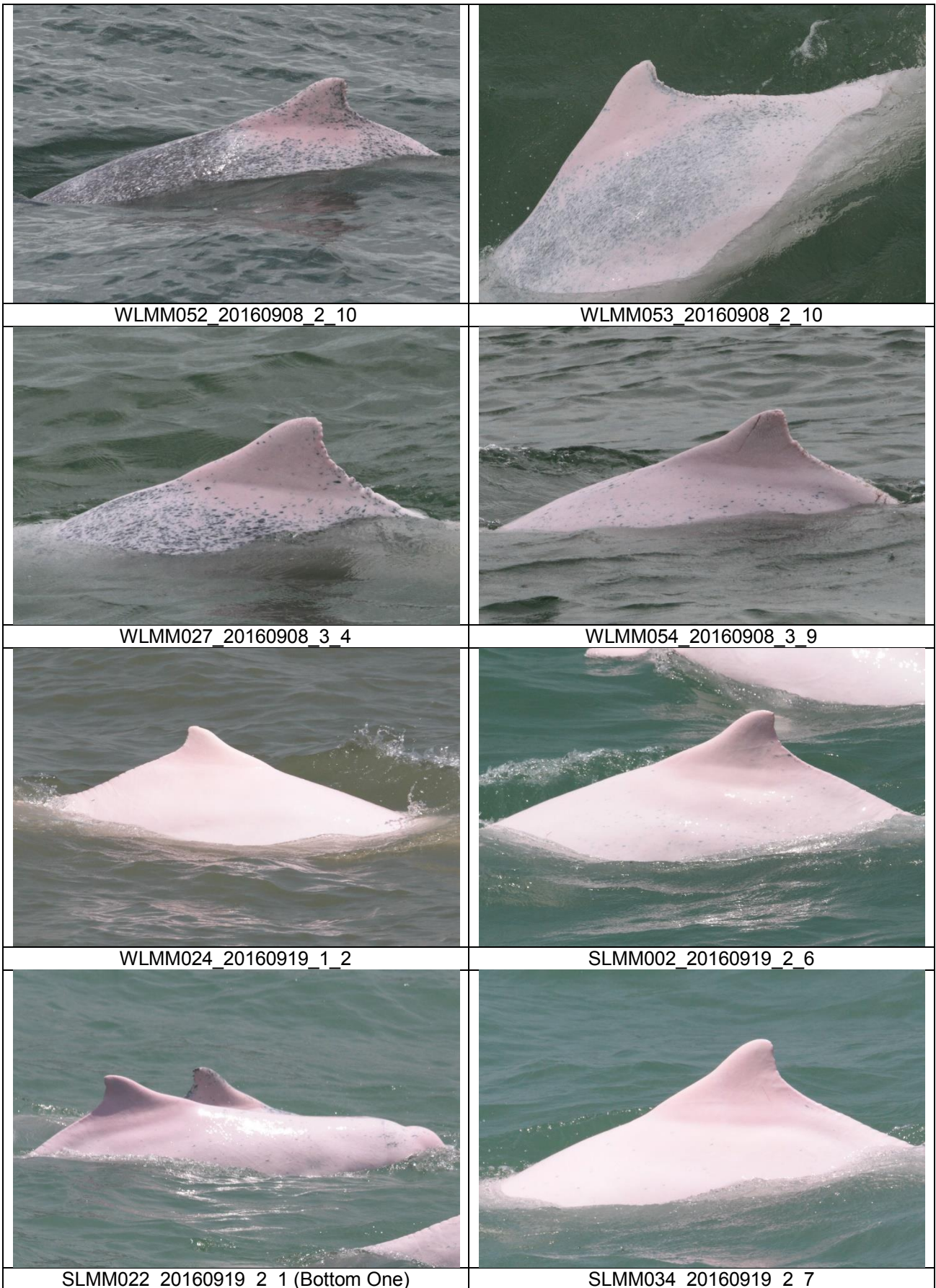
Running Quarterly Encounter Rate of Number of Dolphins (ANI)

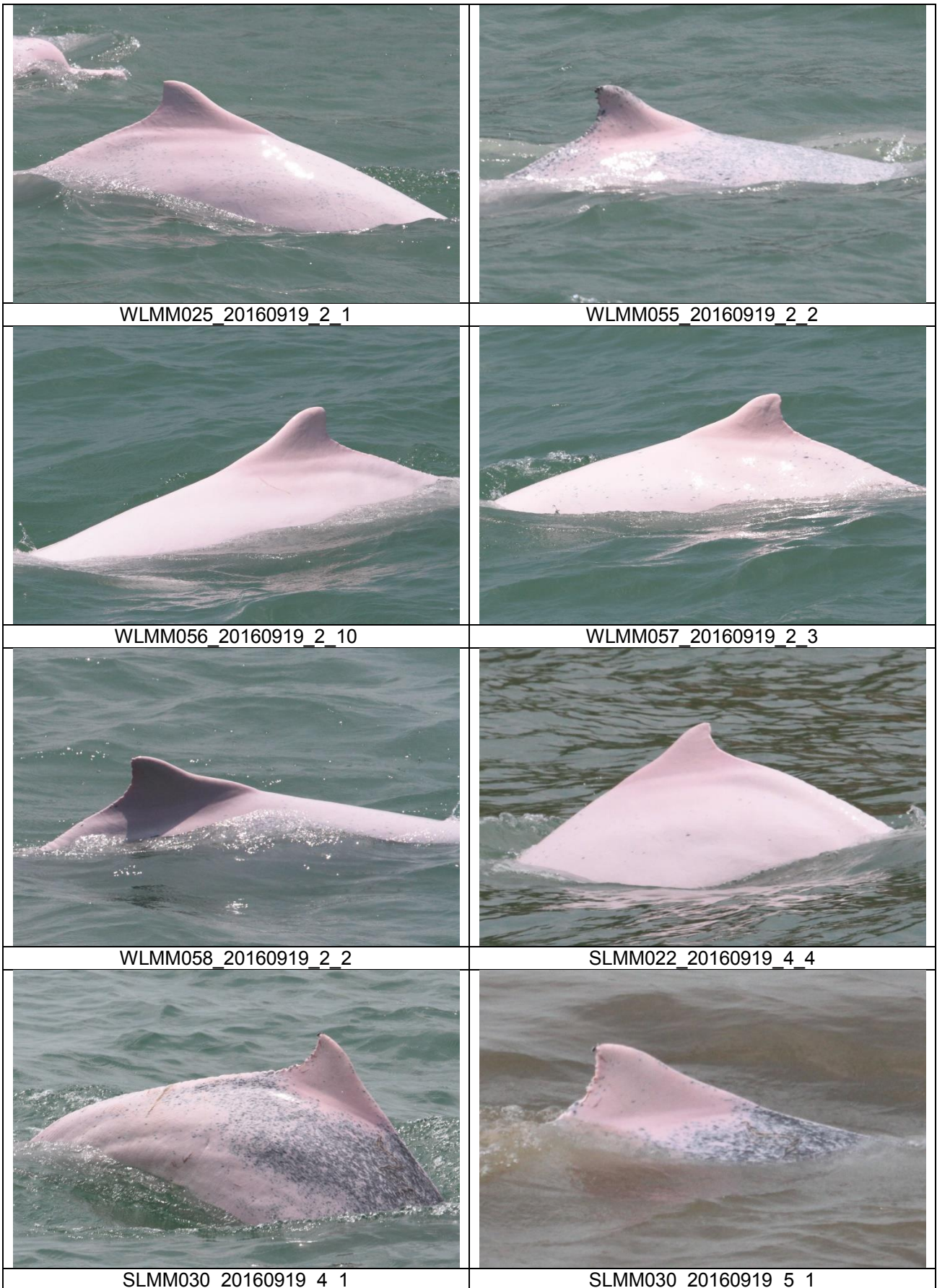
$$ANI = \frac{235}{1282.77} \times 100 = 18.32$$









CWD Small Vessel Line-transect Survey

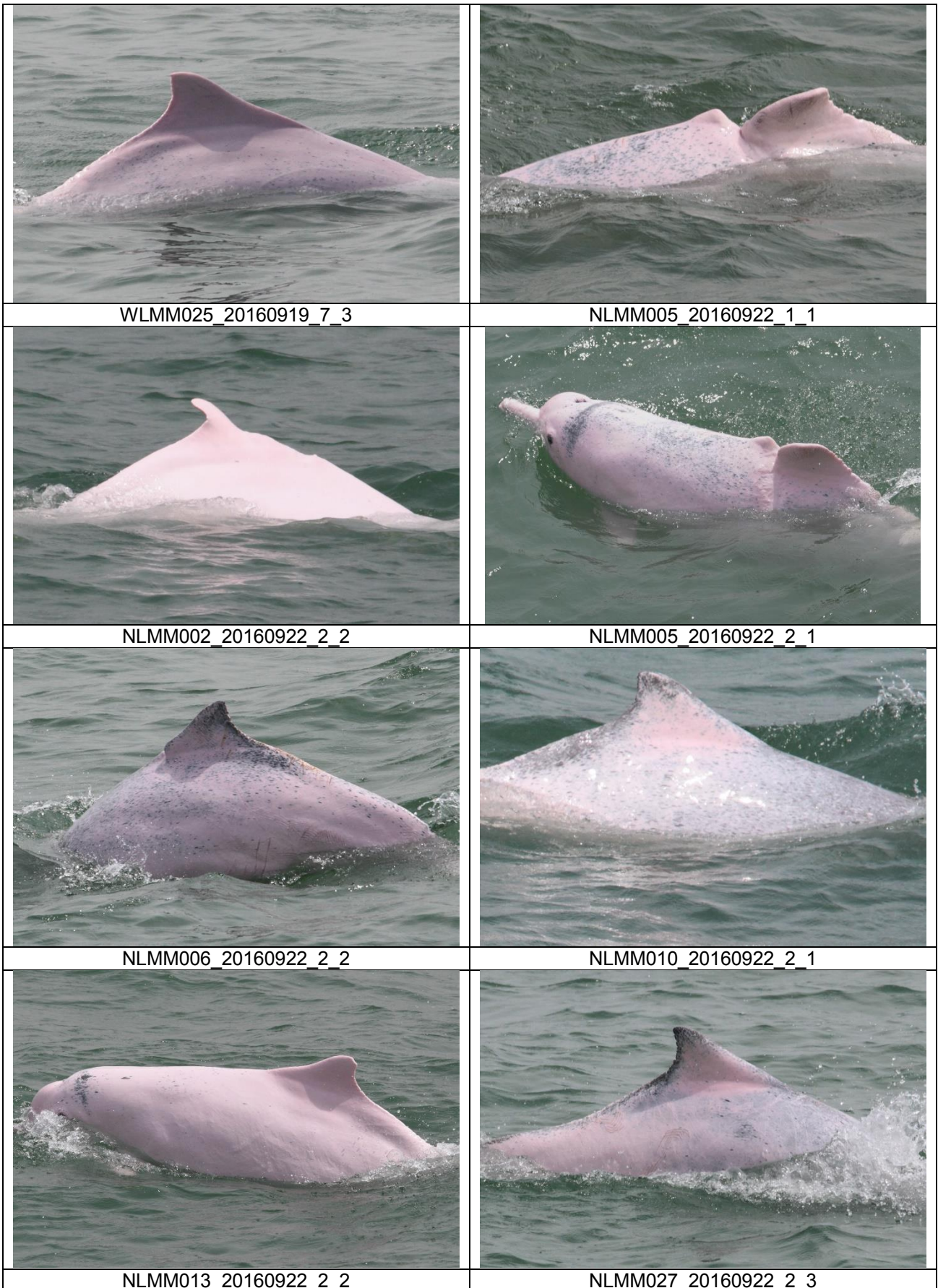
Photo Identification

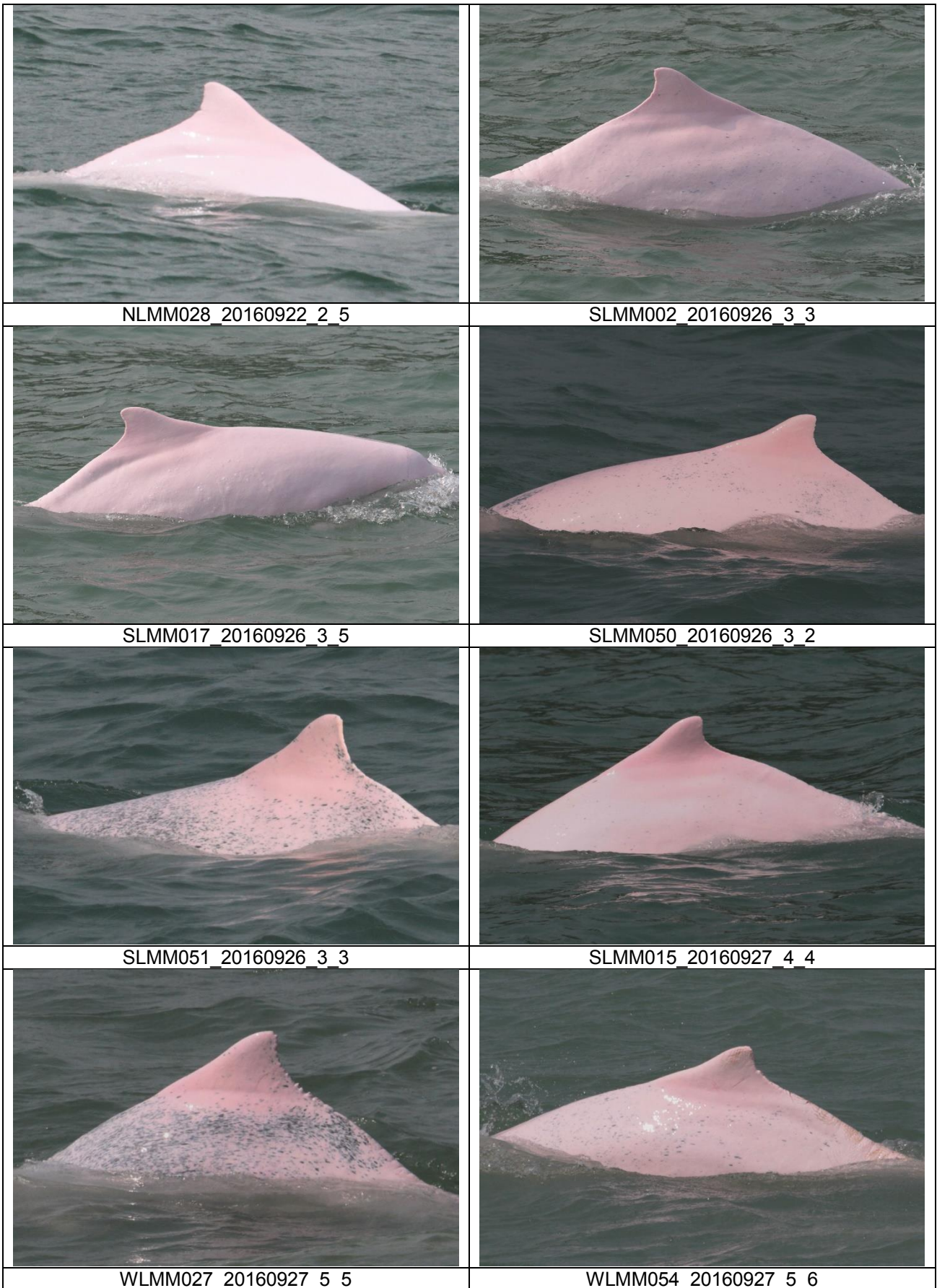
| | |
|---|--|
|  |  |
| NLMM010_20160906_1_2 | WLMM043_20160908_1_2 |
|  |  |
| NLMM012_20160908_2_4 | NLMM017_20160908_2_2 |
|  |  |
| WLMM050_20160908_2_2 | WLMM051_20160908_2_6 |

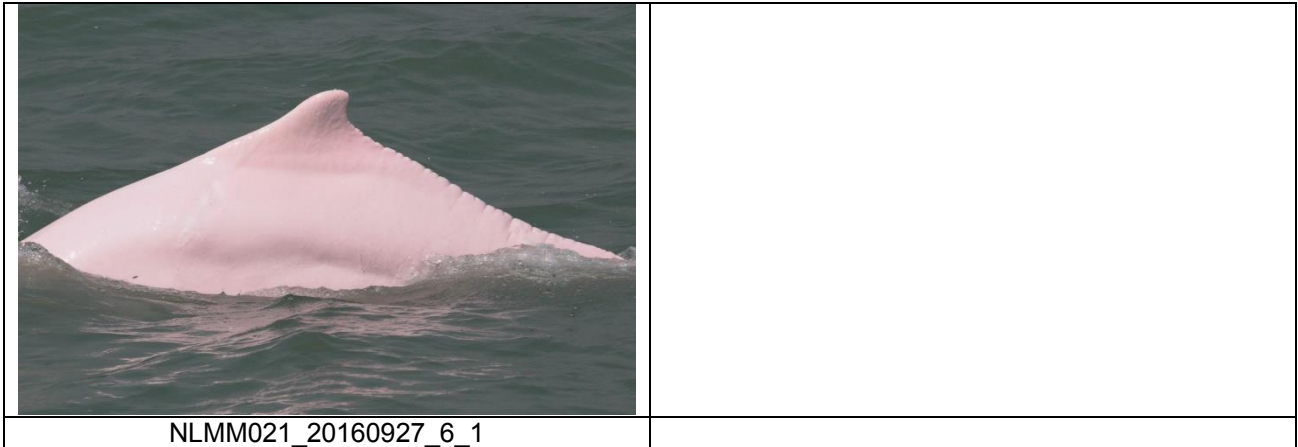




| | |
|---|--|
|  |  |
| WLMM007_20160919_5_1 | WLMM015_20160919_5_2 |
|  |  |
| WLMM059_20160919_5_2 | SLMM032_20160919_6_2 |
|  |  |
| SLMM002_20160919_7_1 | SLMM010_20160919_7_1 |
|  |  |
| WLMM007_20160919_7_1 | WLMM020_20160919_7_2 |







CWD Land-based Theodolite Tracking**CWD Groups by Survey Date**

| Date | Station | Start Time | End Time | Duration | Beaufort Range | Visibility | No. of Focal Follow Dolphin Groups Tracked | Dolphin Group Size Range |
|-------------|----------------|-------------------|-----------------|-----------------|-----------------------|-------------------|---|---------------------------------|
| 1-Sep-16 | Lung Kwu Chau | 9:42 | 14:52 | 5:10 | 1-2 | 2-3 | 1 | 4 |
| 7-Sep-16 | Lung Kwu Chau | 9:19 | 15:09 | 5:50 | 1-3 | 2-3 | 7 | 2-4 |
| 13-Sep-16 | Sha Chau | 8:43 | 14:43 | 6:00 | 2 | 2 | 0 | N/A |
| 23-Sep-16 | Sha Chau | 8:40 | 14:40 | 6:00 | 2-3 | 2 | 0 | N/A |
| 26-Sep-16 | Lung Kwu Chau | 9:02 | 16:02 | 7:00 | 2-3 | 3 | 1 | 2 |

Visibility: 1=Excellent, 2=Good, 3=Fair, 4=Poor