

# Seawater Quality Sampling Results

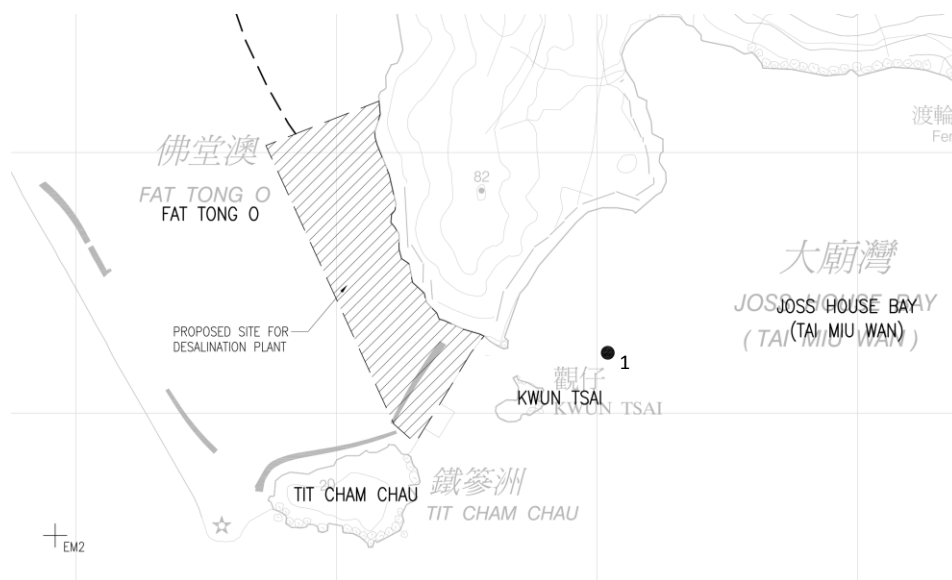
## Seawater Quality Sampling Results

Water sampling was commenced in January 2017 and ongoing at the sampling location as shown in **Figure 1**.

- Sampling Location 1 is located approximately 250m away from the shoreline. The water depth is approximately 11-12m. All samples were collected at the middle of the water depth except for testing on chlorophyll-a in which samples at the mid depth and at 1 metre below water surface were collected.

The results of the water sampling are summarised in **Table 2**. Results of the upcoming sampling events will be updated in due course.

**Figure 1 Sampling Location**



**Table 1 - Location of Seawater Quality Sampling**

SAMPLING LOCATION	NORTHING	EASTING
1	814115.82	847020.68



## Algae

High chlorophyll-a concentrations (> 25 µg/L) were recorded in August and September 2017. Subsequent algal speciation and counting were carried out for samples with chlorophyll-a concentrations greater than 25 µg/L. **Table 3** provides a summary of detailed test results for the high chlorophyll-a incidents in August and September 2017.

**Table 3 High Chlorophyll-a Incidents**

SAMPLING DATE	Tide	SAMPLING LOCATION	WATER DEPTH	CHLOROPHYLL-A (µg/L)	DOMINANT SPECIES	Cells/L
2 Aug 2017	High	1 (Duplicate)	Middle	26.6	<i>Pseudonitzschia delicatissima</i>	827,393
					<i>Skeletonema costatum</i>	654,603
					<i>Chaetoceros lorenzianus</i>	165,914
2 Aug 2017	High	1	Surface	28.1	<i>Pseudonitzschia delicatissima</i>	1,897,899
					<i>Skeletonema costatum</i>	1,583,453
					<i>Chaetoceros lorenzianus</i>	400,800
2 Aug 2017	High	1 (Duplicate)	Surface	28.7	<i>Pseudonitzschia delicatissima</i>	1,710,716
					<i>Skeletonema costatum</i>	1,242,720
					<i>Chaetoceros lorenzianus</i>	366,582
1 Sep 2017	Low	1	Middle	25.6	<i>Pseudonitzschia</i> sp.	4,575,079
					<i>Chaetoceros</i> sp.	4,066,395
					<i>Thalassiosira</i> sp.	1,226,667