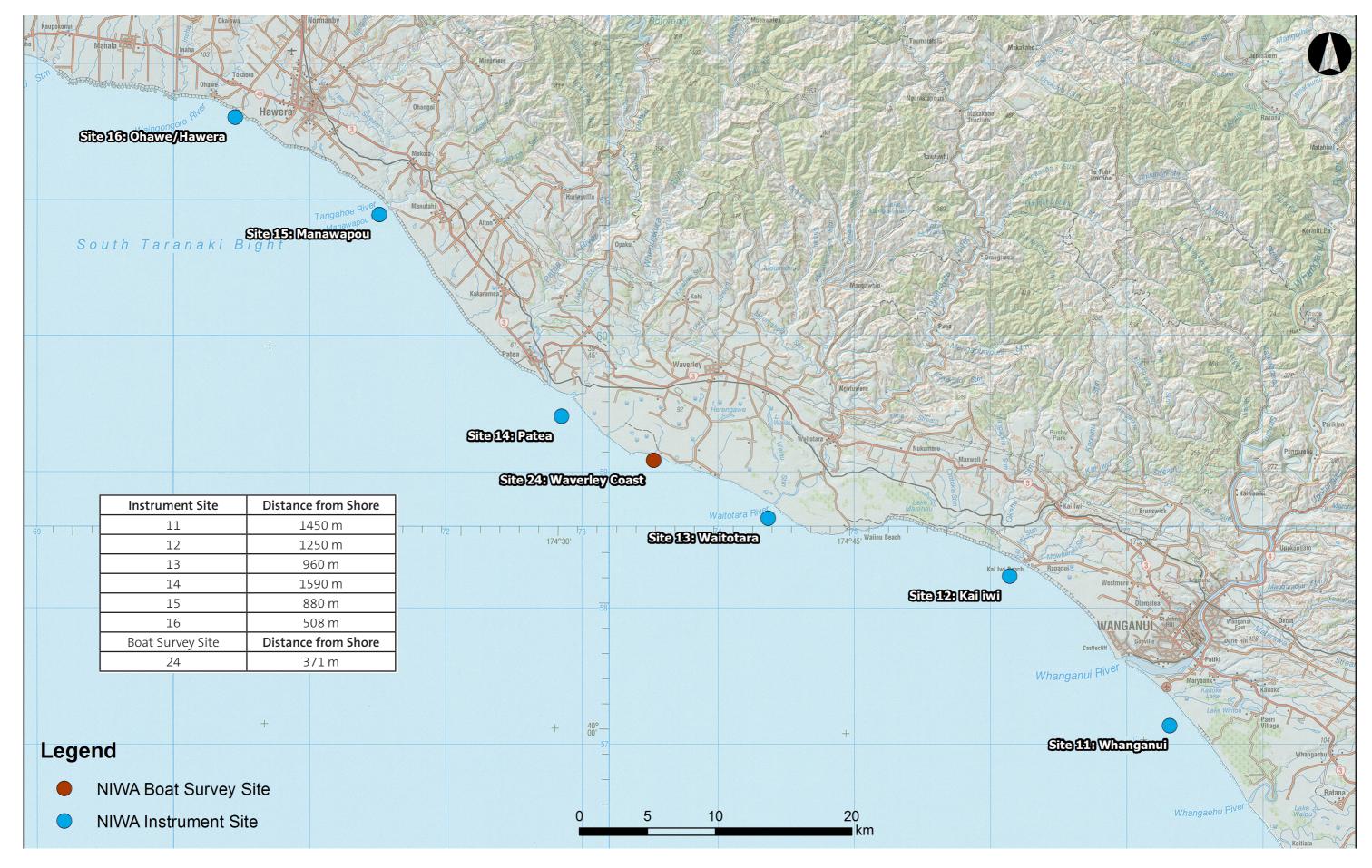


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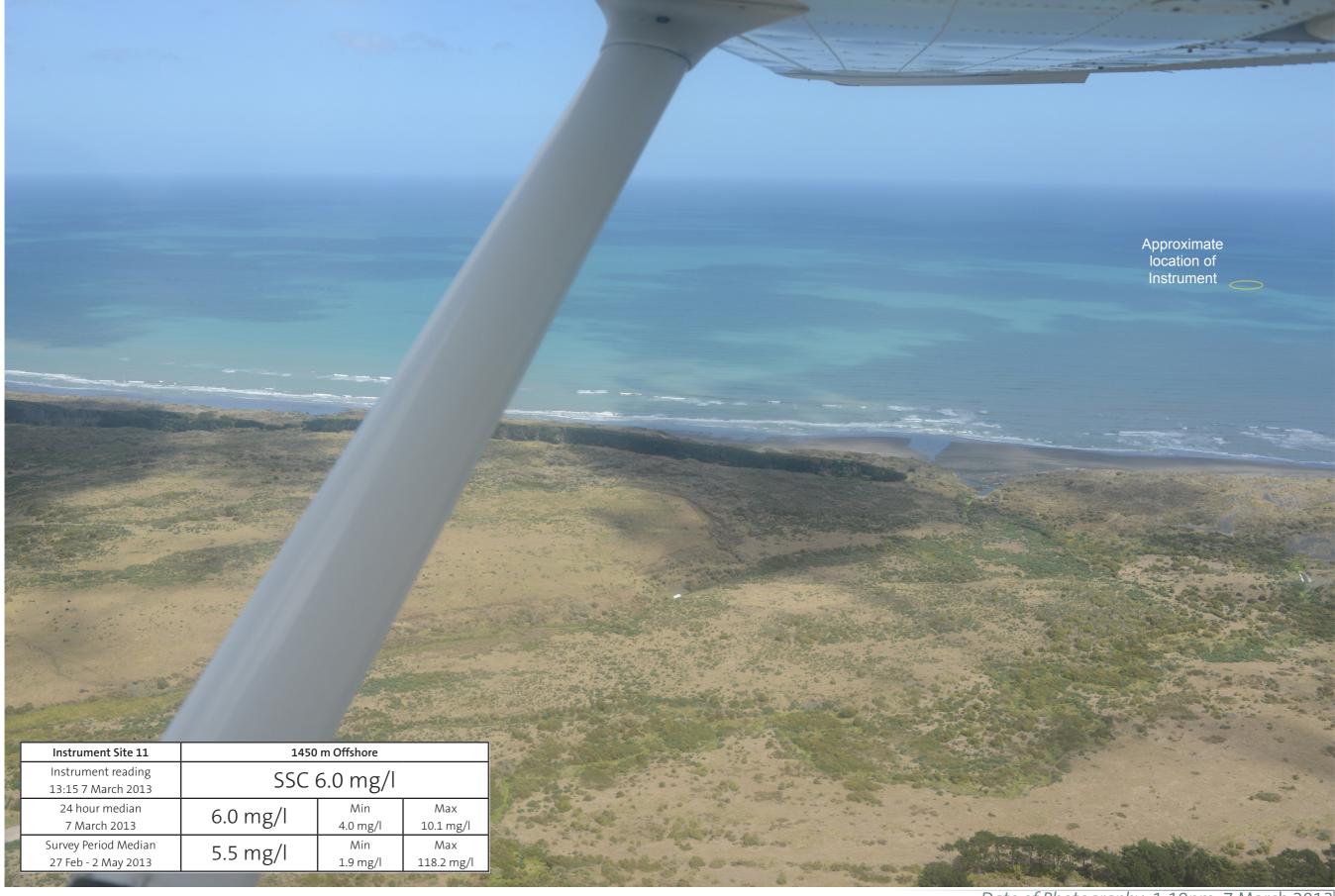
December 2015 Update

We have been provided with information relating to TTR's additional scientific work relating to plume modelling and optical effects undertaken since 2014 and can confirm that the conclusions reached in our October2013 report and 17 February 2014 Statement of Evidence presented to the Board remain valid. In our opinion the effects will in fact be less than we had previously assessed.





Suspended Sediment Site Locations





Date of Photography: 1:19pm, 7 March 2013



WGS 1984 lon : E175°2'27.07" WGS 1984 lat : S39°57'52.82" Elevation : 290 m Distance to Horizon : 66 km Date of Photography : 1:19pm, 7 March 2013

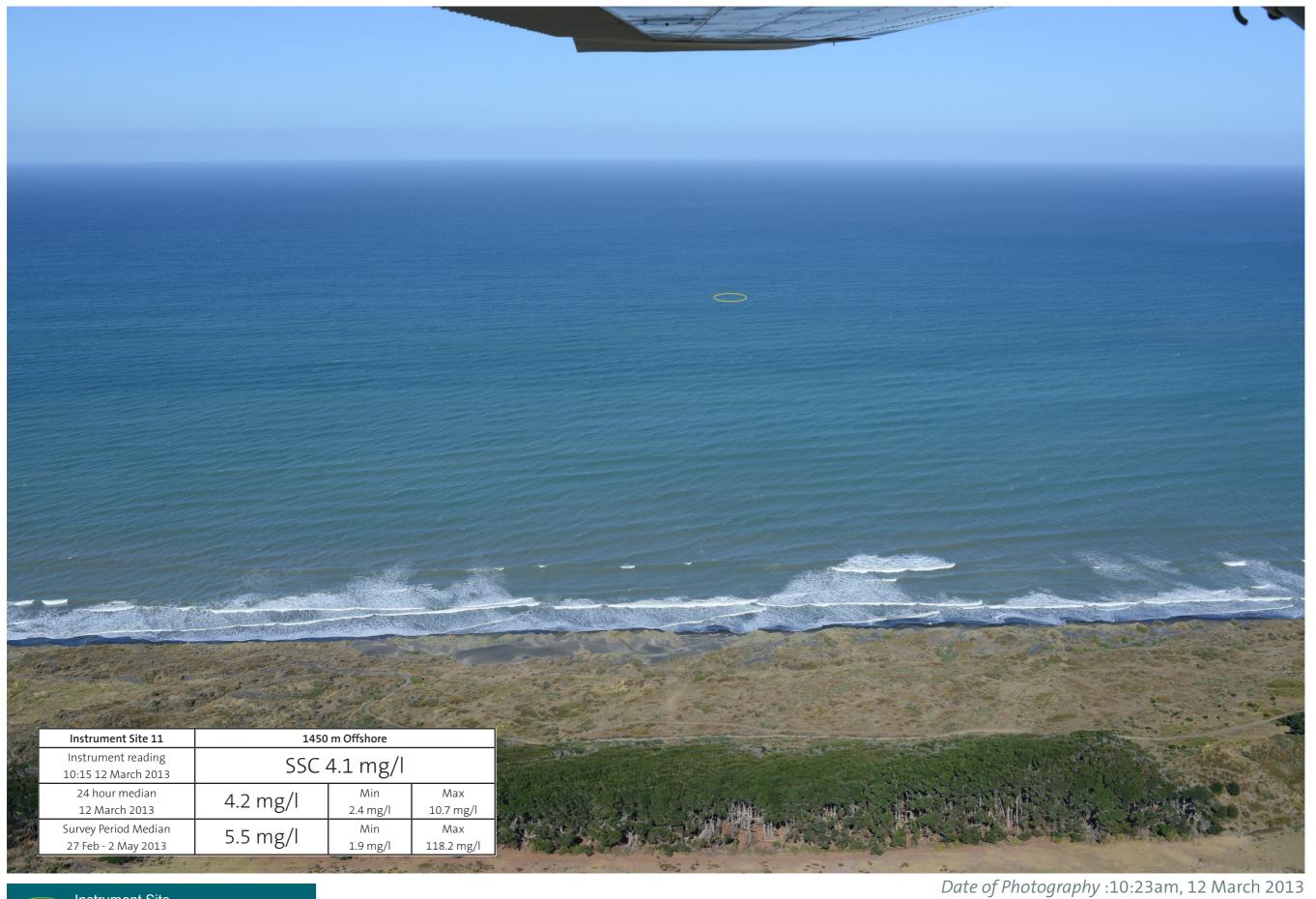
Data source: NIWA SSC Field measurements 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0

Location data, including elevation derived from gps readings.

SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Site 11: Whanganui





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Instrument Site

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WGS 1984 lon : E175°2'55.61"
WGS 1984 lat : S39°58'49.23"
Elevation : 202m
Distance to Horizon : 55km
Date of Photography : 10:23am, 12 March 2013 Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013



Site 11: Whanganui

Plan prepared for TTR Limited by Boffa Miskell Limited







WGS 1984 lon : E175°1'34.89" WGS 1984 lat : S39°59'15.96" Elevation : 104m Distance to Horizon : 39 km Date of Photography : 11:36am, 12 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013

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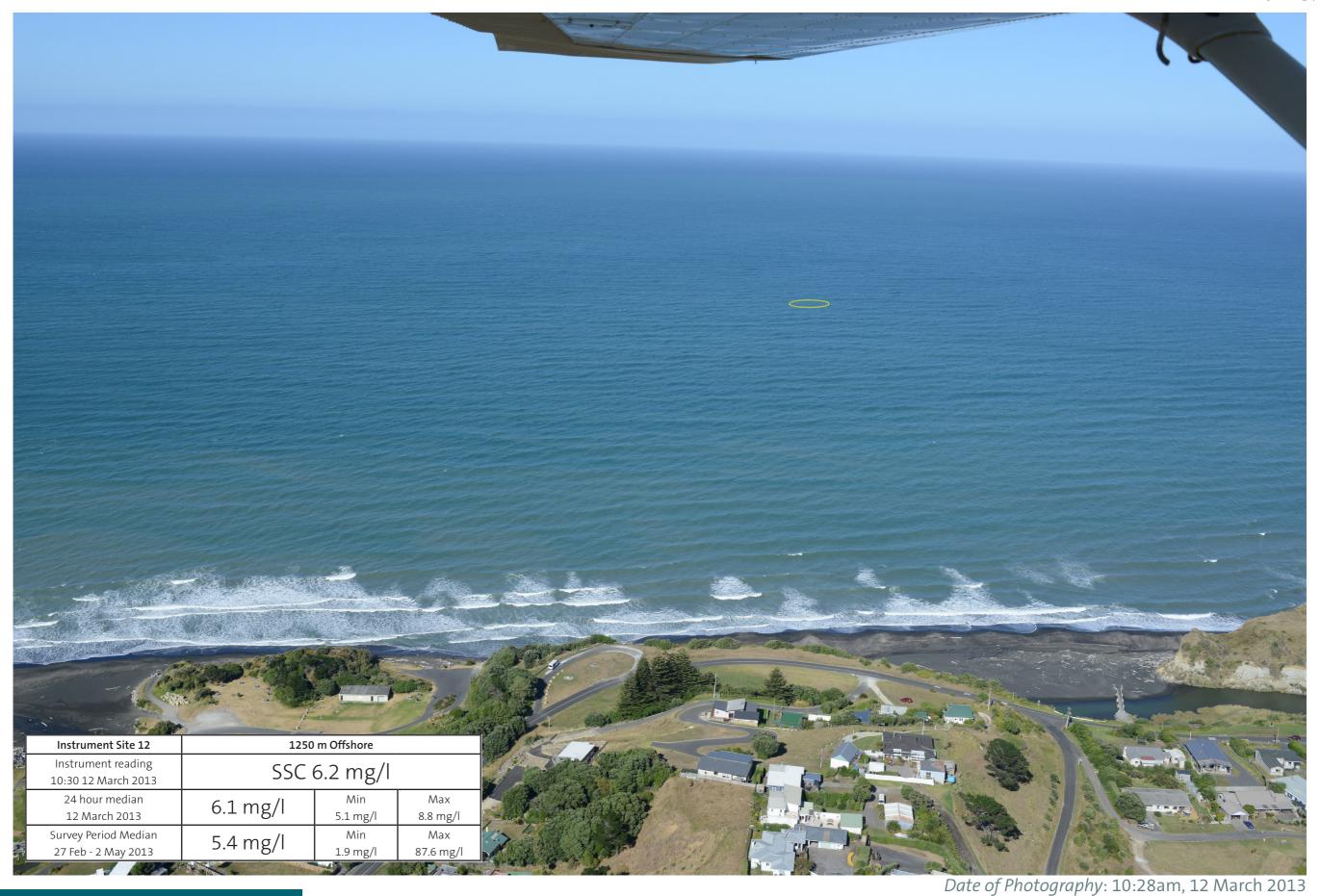
Data source: NIWA SSC Field measurements 2013

WGS 1984 lon : E174°54'8.24" WGS 1984 lat : S39°52'51.65" Elevation : 298m Distance to Horizon : 67 km Date of Photography : 1:14pm, 7 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.



Site 12: Kai lwi





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WGS 1984 lon : E174°54'10.97"
WGS 1984 lat : S39°52'54.92"
Elevation : 208m
Distance to Horizon : 56km
Date of Photography : 10:28am, 12 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013



Site 12: Kai Iwi





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WGS 1984 lon : E174°52'32.72"
WGS 1984 lat : \$39°52'19.57"
Elevation : 212 m
Distance to Horizon : 56km
Date of Photography : 10:29am, 12 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013



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Site 12: Kai lwi





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WGS 1984 lon : E174°53'32.24"
WGS 1984 lat : S39°53'48.71"
Elevation : 161m
Distance to Horizon : 49 km
Date of Photography : 11:29am, 12 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013

SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Site 12: Kai lwi





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Estimated Instrument Site

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WGS 1984 lon : E174°53′57.03″ WGS 1984 lat : S39°53′7.37″ Elevation : 10m Distance to Horizon : 12 km Date of Photography : 4:40pm, 12 March 2013

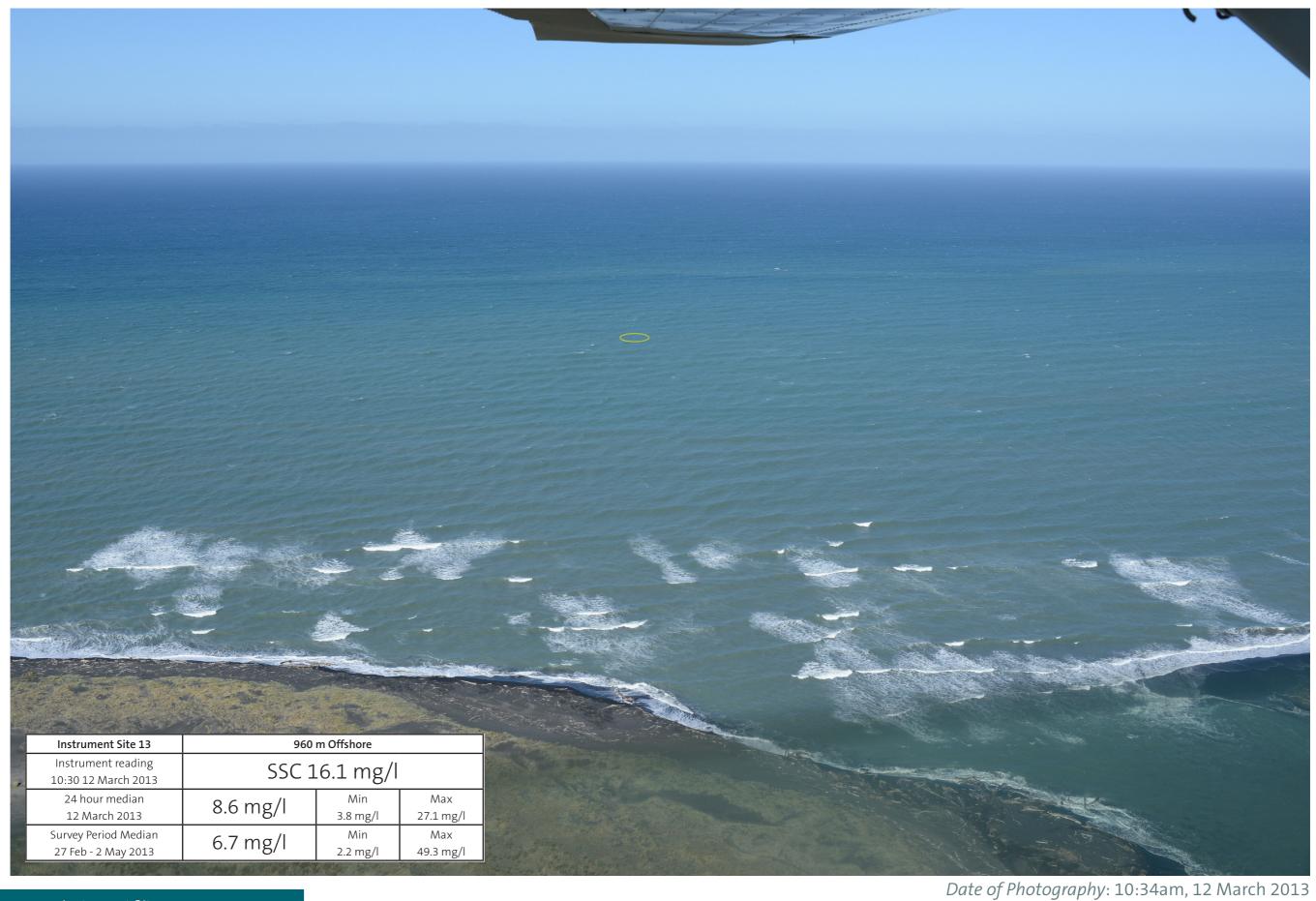
Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013



SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Site 12: Kai lwi





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Instrument Site

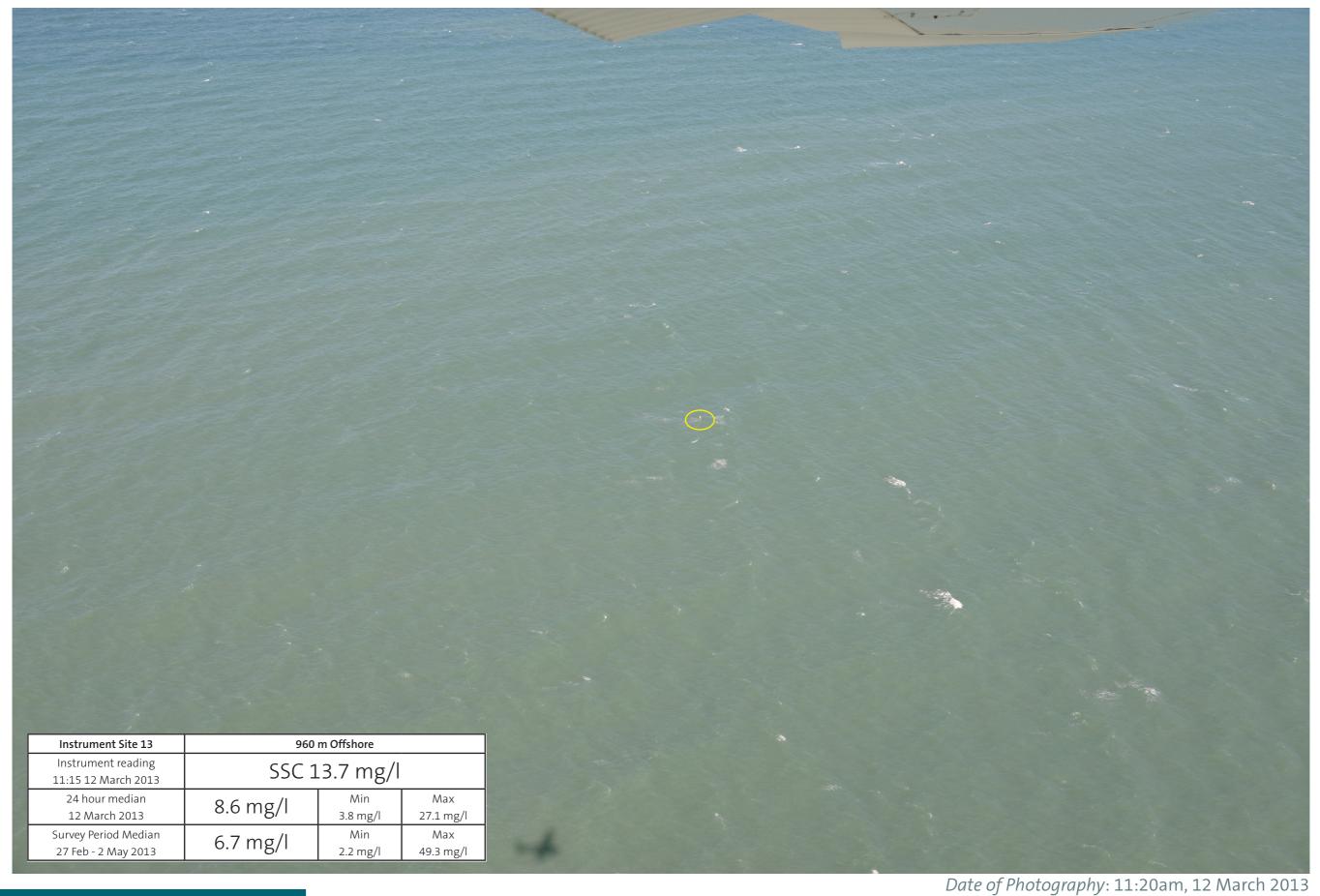
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WGS 1984 lon : E174°41'27.47"
WGS 1984 lat : S39°50'56.46"
Elevation : 191m
Distance to Horizon : 53 km
Date of Photography : 10:34am, 12 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Site 13: Waitotara







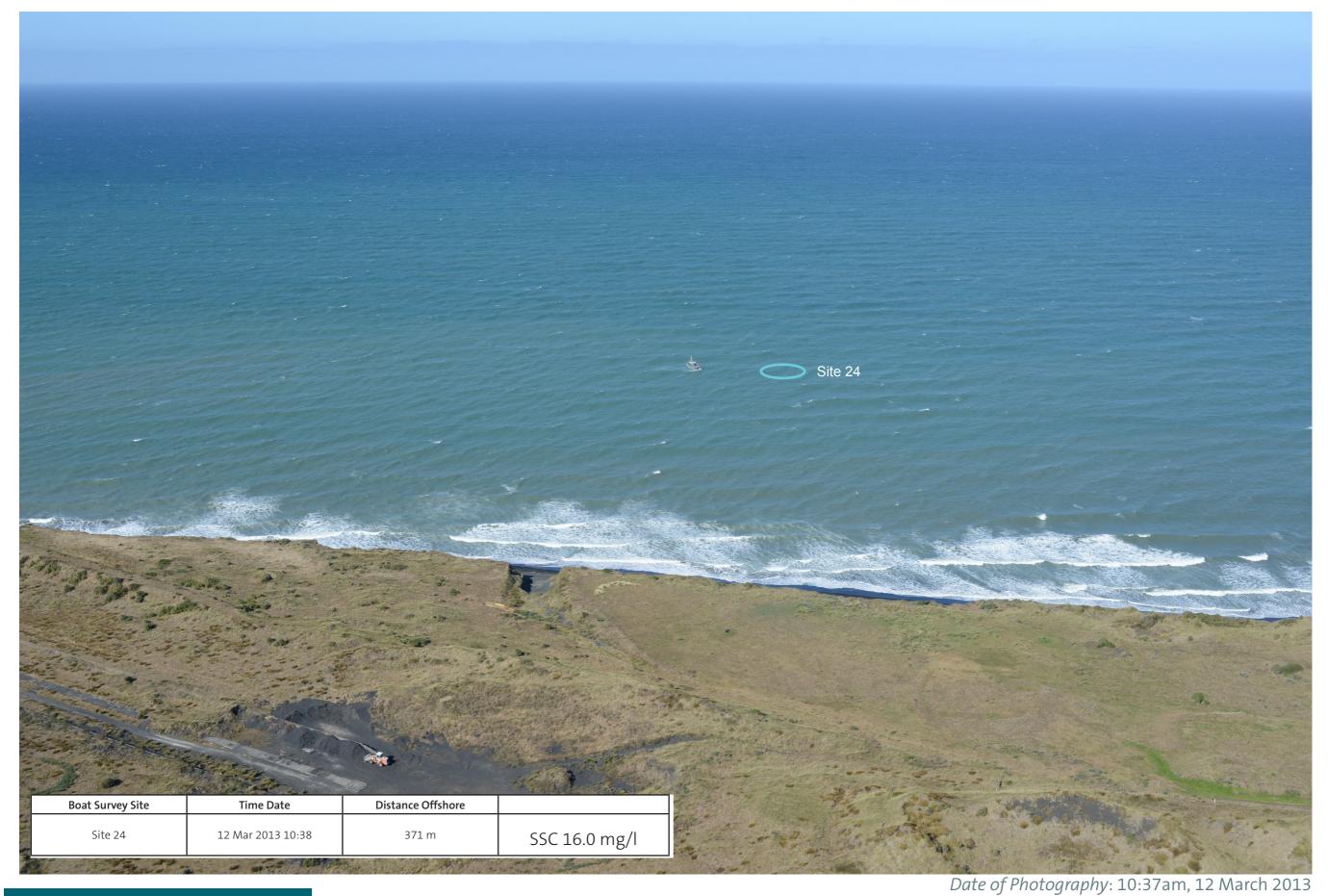
WGS 1984 lon : E174°40'59.02" WGS 1984 lat : S39°51'25.35" Elevation : 128m Distance to Horizon : 44 km Date of Photography : 11:20am, 12 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013

SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Site 13: Waitotara





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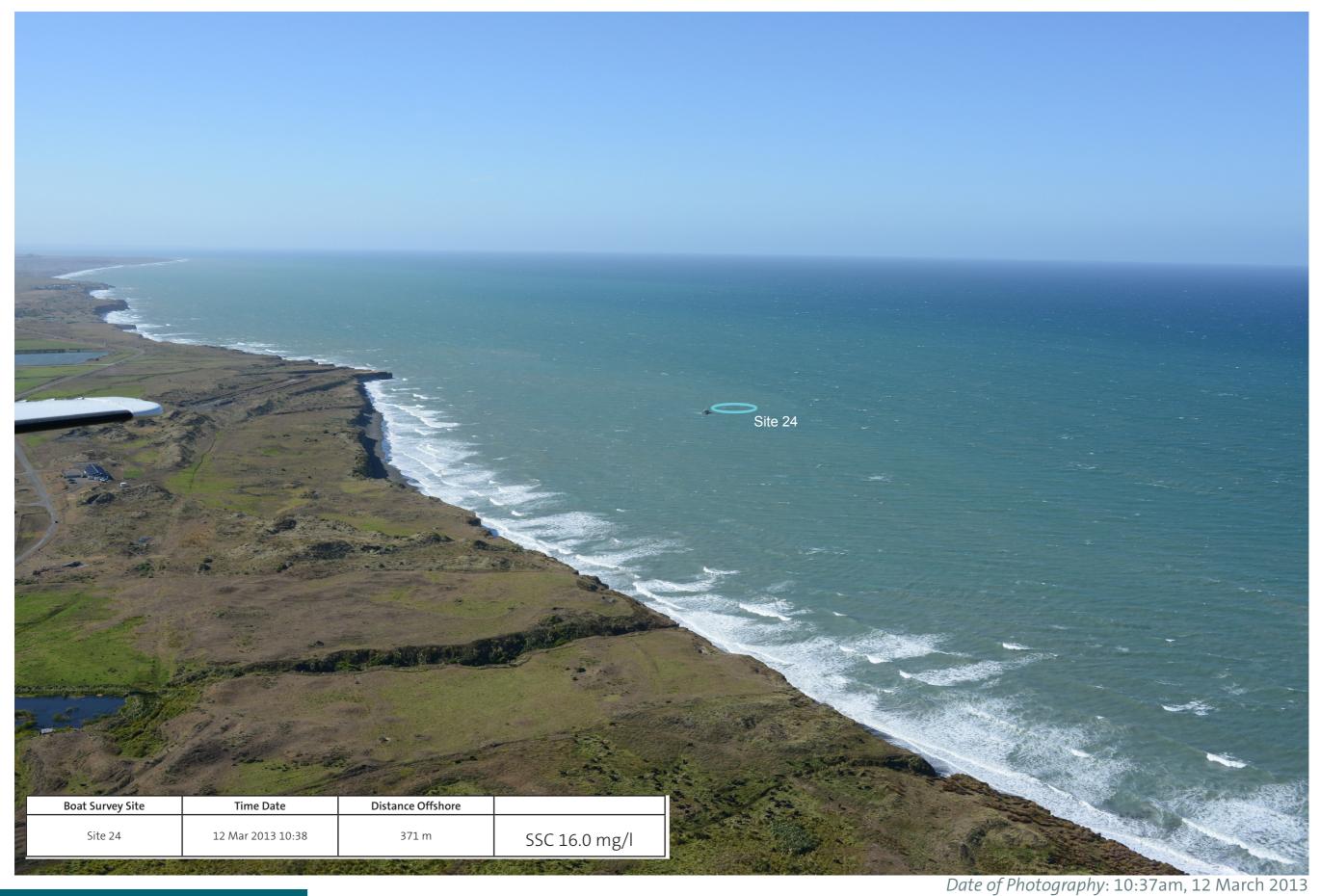
WGS 1984 lon : E174°35'36.60" WGS 1984 lat : S39°49'2.59" Elevation : 174m Distance to Horizon : 51 km Date of Photography : 10:37am, 12 March 2013

Data source: NIWA SSC Field measurements 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Waverley Coast





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Boat Survey Site

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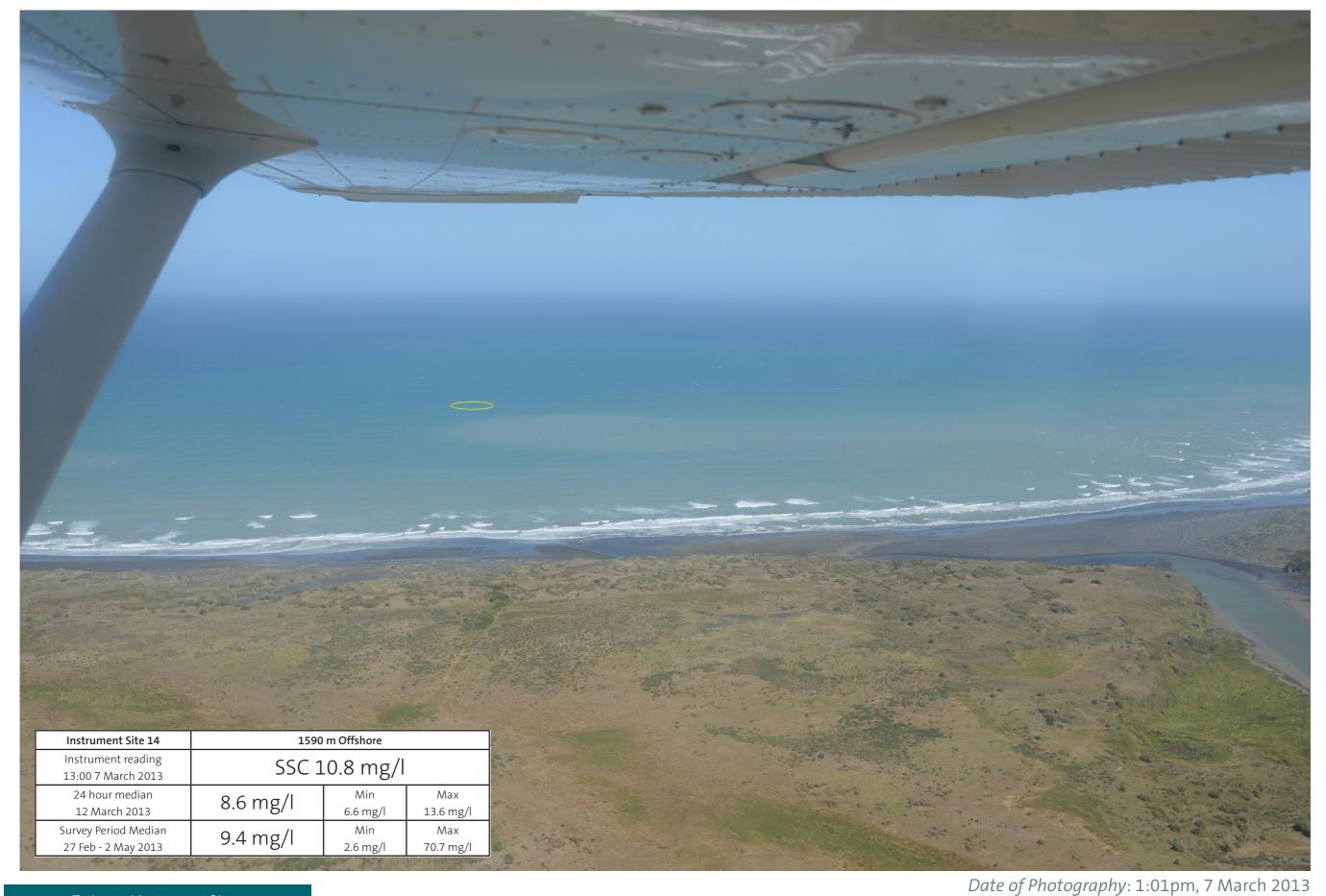
WGS 1984 lon : E174°34'37.62" WGS 1984 lat : S39°48'49.43" Elevation : 171m Distance to Horizon : 51 km Date of Photography : 10:37am, 12 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0

Location data, including elevation derived from gps readings.

SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Waverley Coast



Estimated Instrument Site

SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Boffa Miskell

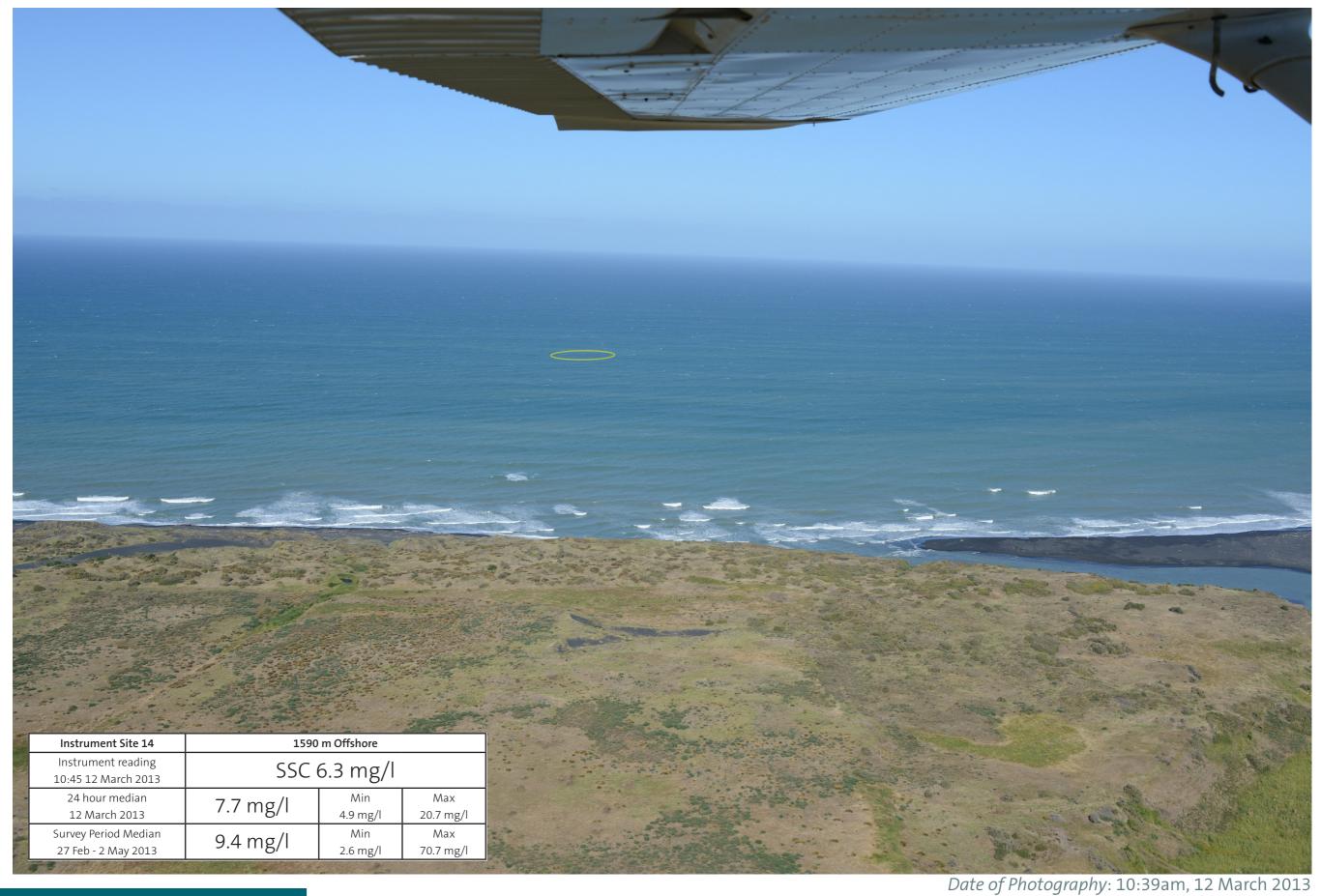
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WGS 1984 lon : E174°31'36.50" WGS 1984 lat : S39°46'44.10" Elevation : 278m Distance to Horizon : 64 km Date of Photography : 1:01pm, 7 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013





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Instrument Site

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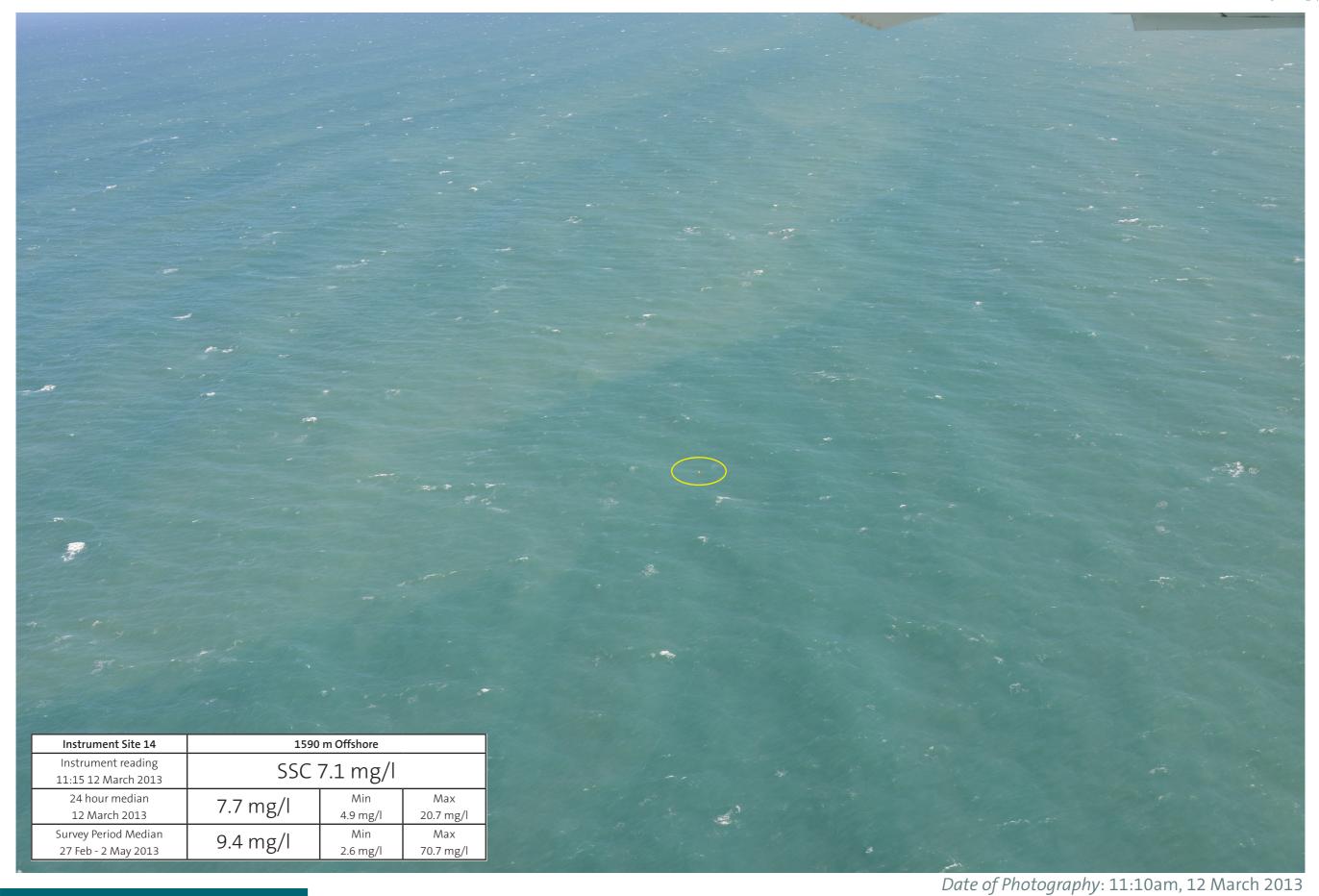
WGS 1984 lon : E174°31'25.44"
WGS 1984 lat : S39°46'46.78"
Elevation : 199m
Distance to Horizon : 55 km
Date of Photography : 10:39am, 12 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013



Site 14: Patea





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WGS 1984 lon : E174°30'15.94"
WGS 1984 lat : S39°47'42.79"
Elevation : 131m
Distance to Horizon : 44 km
Date of Photography : 11:10am, 12 March 2013

Data source: NIWA SSC Field measurements 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Site 14: Patea





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Estimated Instrument Site

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WGS 1984 lon : E174°28'43.30" WGS 1984 lat : S39°45'41.50" Elevation : 202m Distance to Horizon : 55 km Date of Photography : 10:40am, 12 March 2013

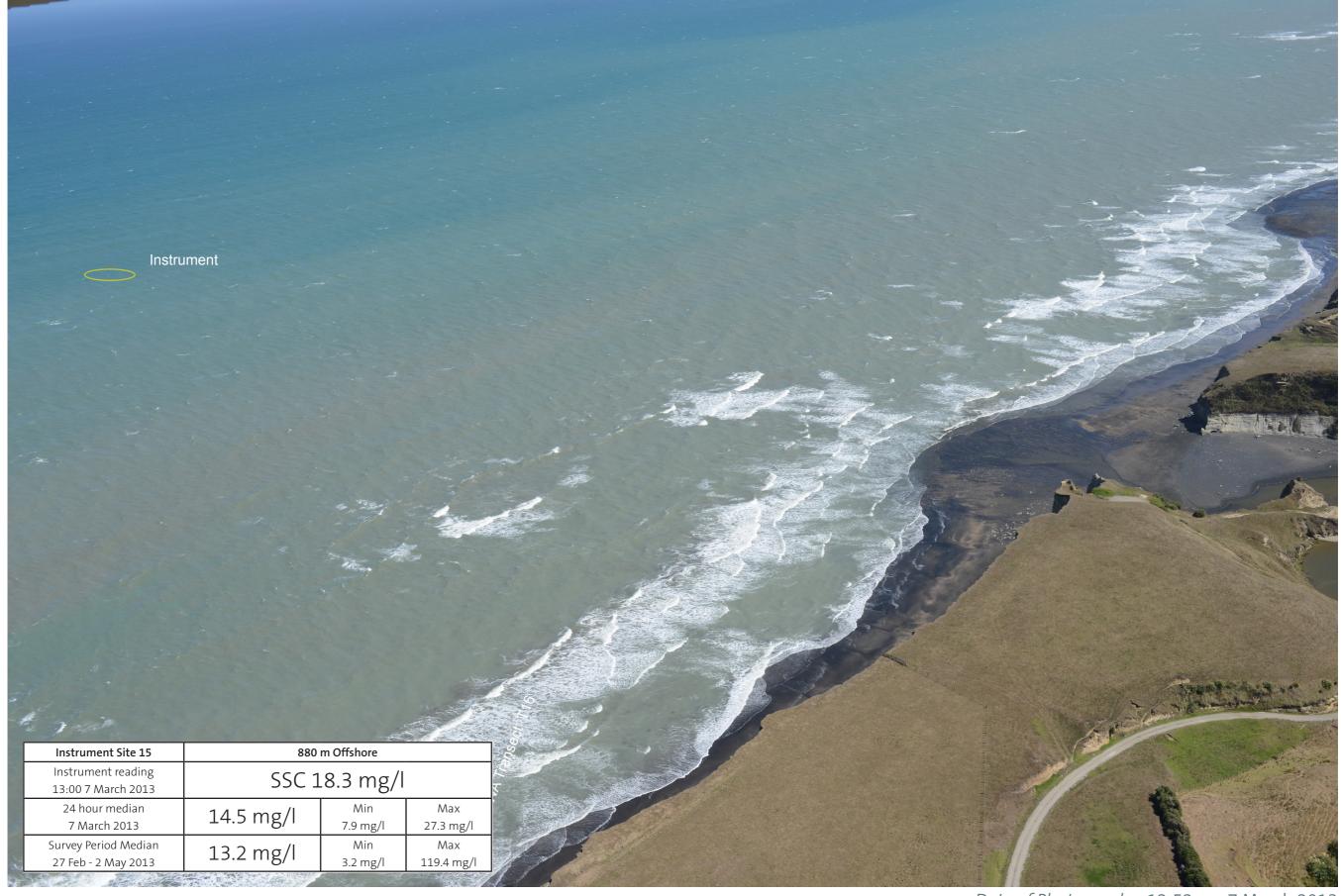
Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013



SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Site 14: Patea







WGS 1984 lon : E174°21'20.36" WGS 1984 lat : S39°39'31.26" Elevation : 252m Distance to Horizon : 61 km Date of Photography : 12:52pm, 7 March 2013

Horizontal Field of View (Main Image): 54.4° Camera: Nikon D800 Lens: 35mm f/2.0 Location data, including elevation derived from gps readings.

Data source: NIWA SSC Field measurements 2013

Date of Photography: 12:52pm, 7 March 2013

SOUTH TARANAKI OFFSHORE SAND MINING PROJECT

Site 15: Manawapou