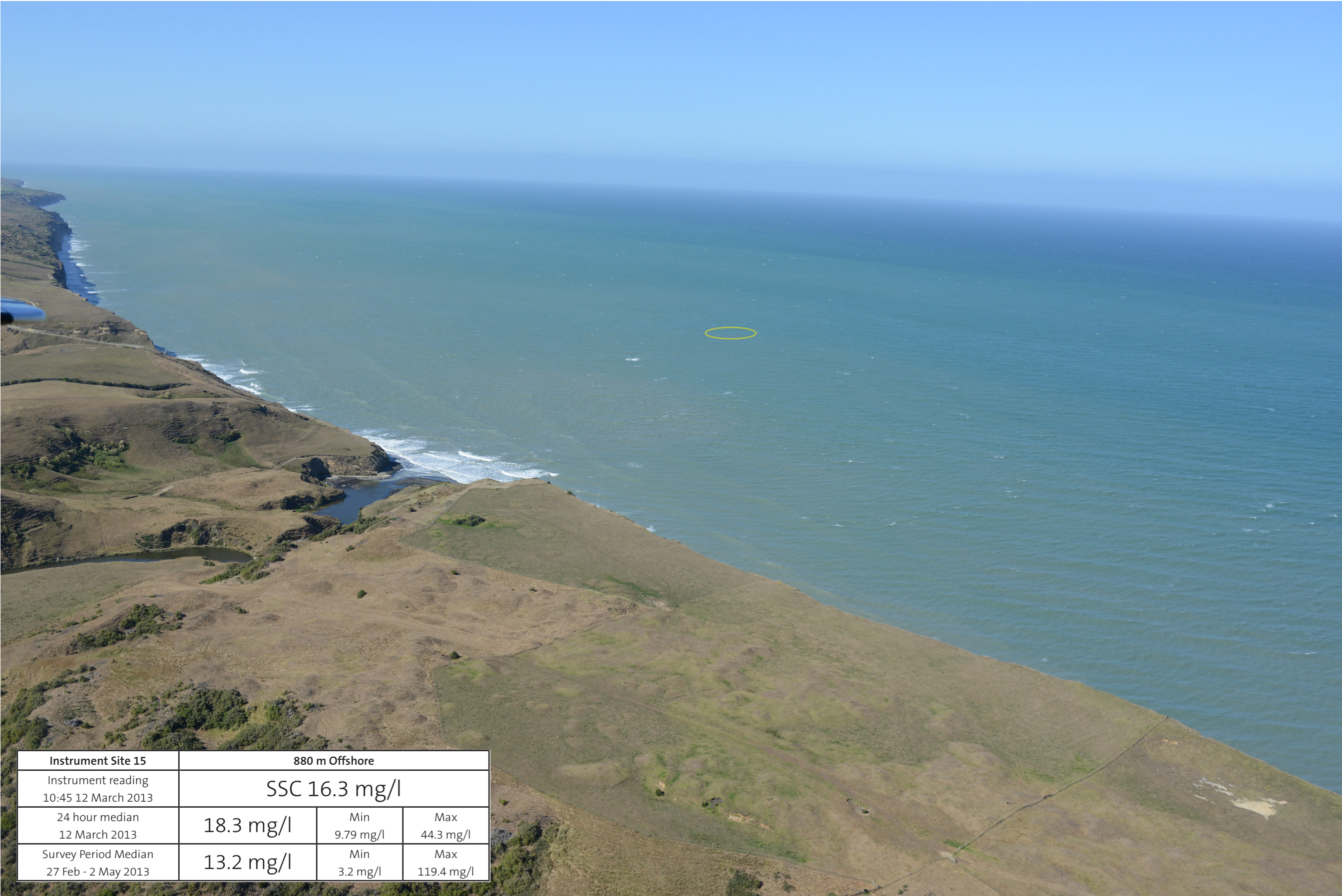


Instrument Site 15	880 m Offshore		
Instrument reading 10:45 12 March 2013	SSC 16.3 mg/l		
24 hour median 12 March 2013	18.3 mg/l	Min 9.79 mg/l	Max 44.3 mg/l
Survey Period Median 27 Feb - 2 May 2013	13.2 mg/l	Min 3.2 mg/l	Max 119.4 mg/l

Date of Photography: 10:45am, 12 March 2013

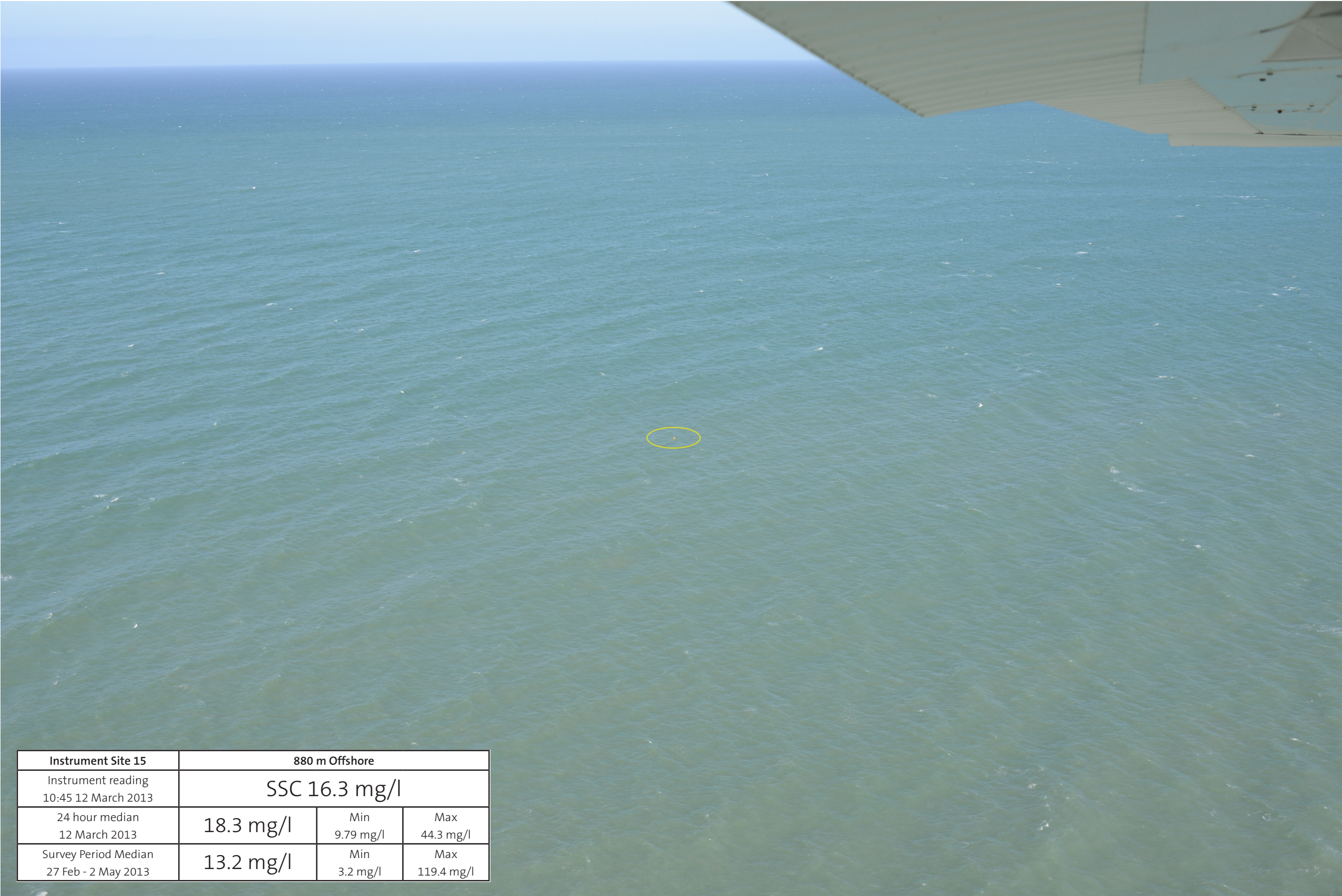
 Instrument Site



Instrument Site 15	880 m Offshore		
Instrument reading 10:45 12 March 2013	SSC 16.3 mg/l		
24 hour median 12 March 2013	18.3 mg/l	Min 9.79 mg/l	Max 44.3 mg/l
Survey Period Median 27 Feb - 2 May 2013	13.2 mg/l	Min 3.2 mg/l	Max 119.4 mg/l

Date of Photography: 10:45am, 12 March 2013

 Estimated Instrument Site



Instrument Site 15	880 m Offshore		
Instrument reading 10:45 12 March 2013	SSC 16.3 mg/l		
24 hour median 12 March 2013	18.3 mg/l	Min 9.79 mg/l	Max 44.3 mg/l
Survey Period Median 27 Feb - 2 May 2013	13.2 mg/l	Min 3.2 mg/l	Max 119.4 mg/l

Date of Photography: 11:00am, 12 March 2013

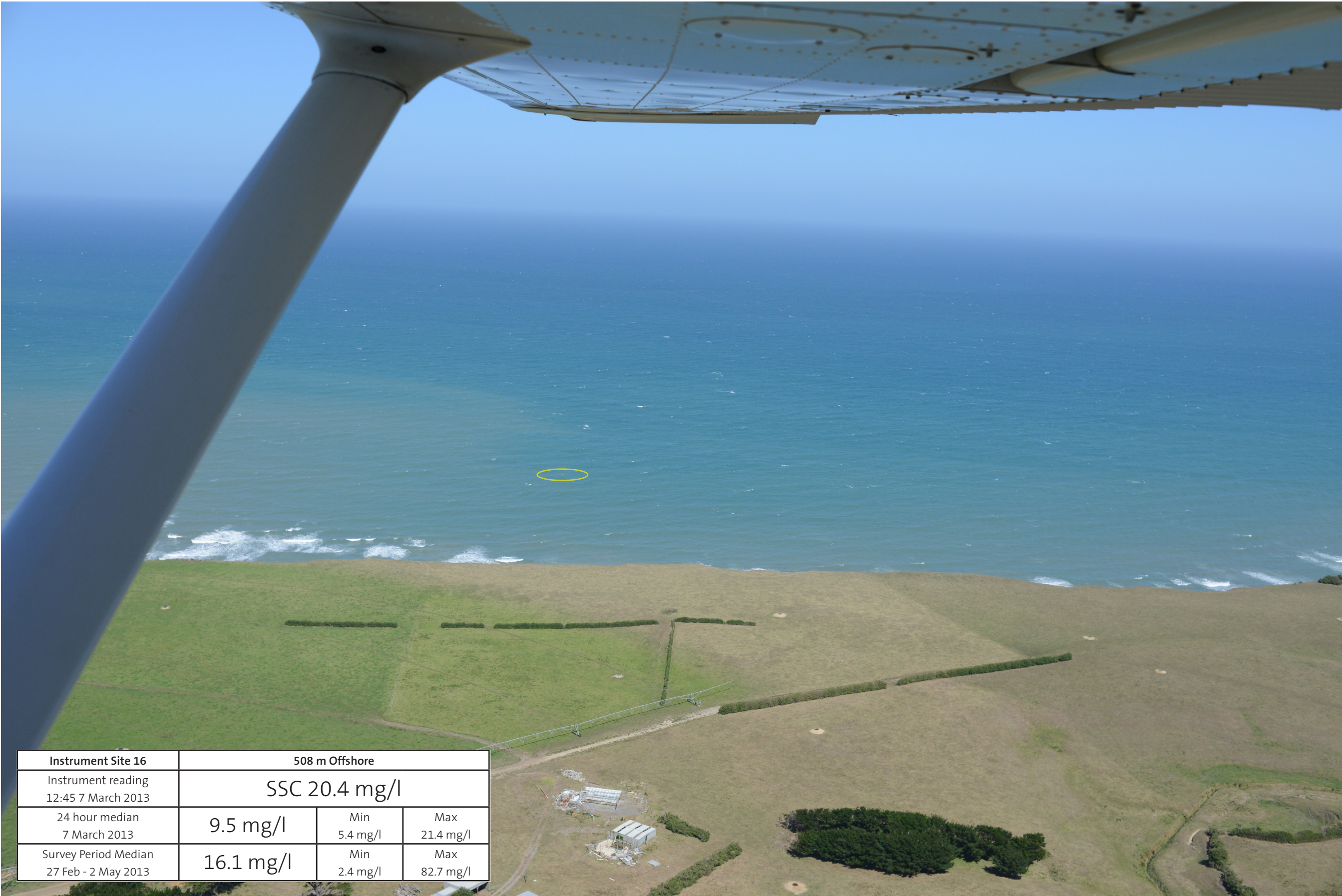
 Instrument Site



Instrument Site 15	880 m Offshore		
Instrument reading 14:30 12 March 2013	SSC 16.2 mg/l		
24 hour median 12 March 2013	18.3 mg/l	Min 9.79 mg/l	Max 44.3 mg/l
Survey Period Median 27 Feb - 2 May 2013	13.2 mg/l	Min 3.2 mg/l	Max 119.4 mg/l

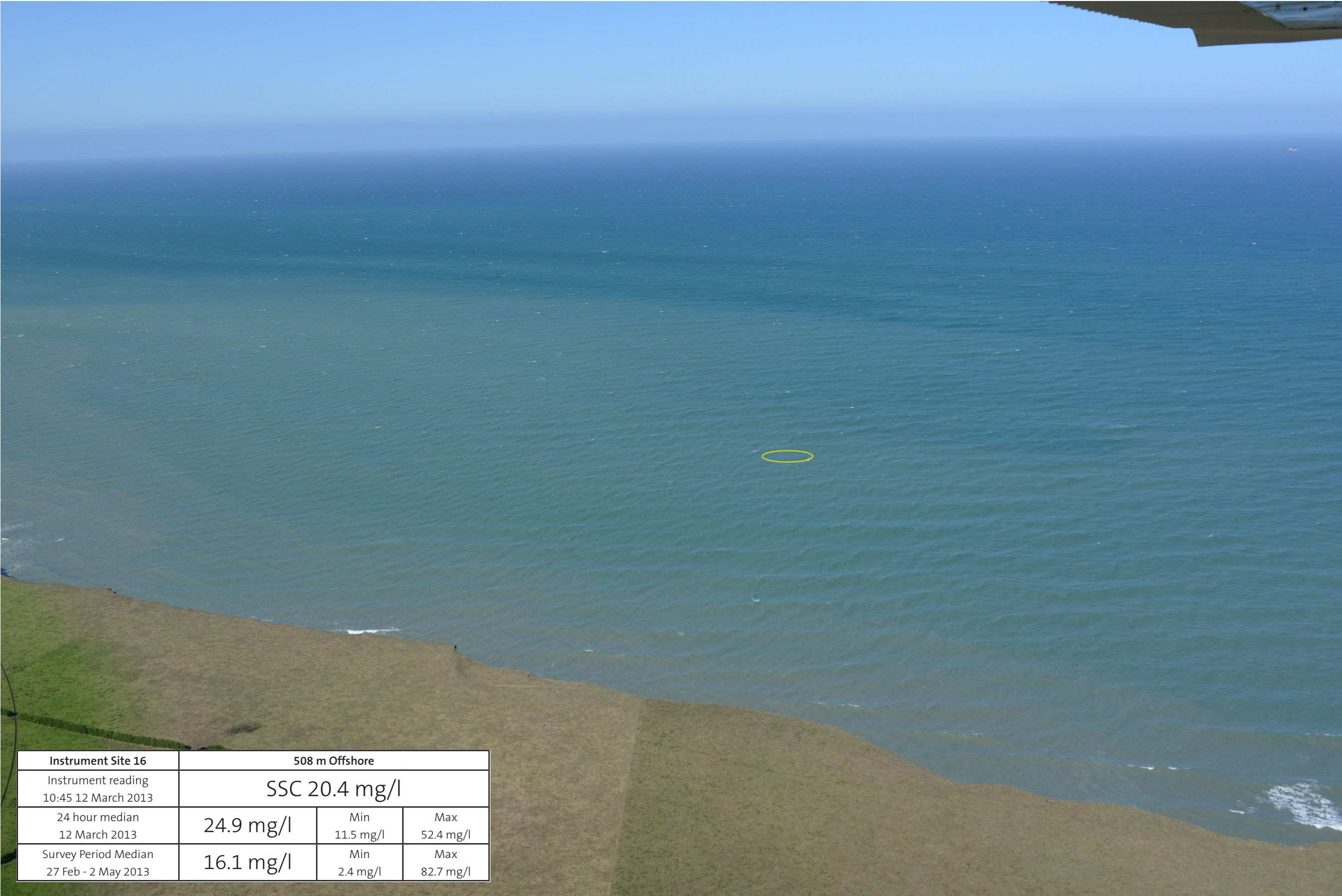
Date of Photography: 2:28pm, 12 March 2013

 Instrument Site



Instrument Site 16	508 m Offshore		
Instrument reading 12:45 7 March 2013	SSC 20.4 mg/l		
24 hour median 7 March 2013	9.5 mg/l	Min 5.4 mg/l	Max 21.4 mg/l
Survey Period Median 27 Feb - 2 May 2013	16.1 mg/l	Min 2.4 mg/l	Max 82.7 mg/l

Date of Photography: 12:46pm, 7 March 2013



Instrument Site 16	508 m Offshore		
Instrument reading 10:45 12 March 2013	SSC 20.4 mg/l		
24 hour median 12 March 2013	24.9 mg/l	Min 11.5 mg/l	Max 52.4 mg/l
Survey Period Median 27 Feb - 2 May 2013	16.1 mg/l	Min 2.4 mg/l	Max 82.7 mg/l

Date of Photography: 10:49am, 12 March 2013

 Instrument Site



Date of Photography: 10:49am, 12 March 2013

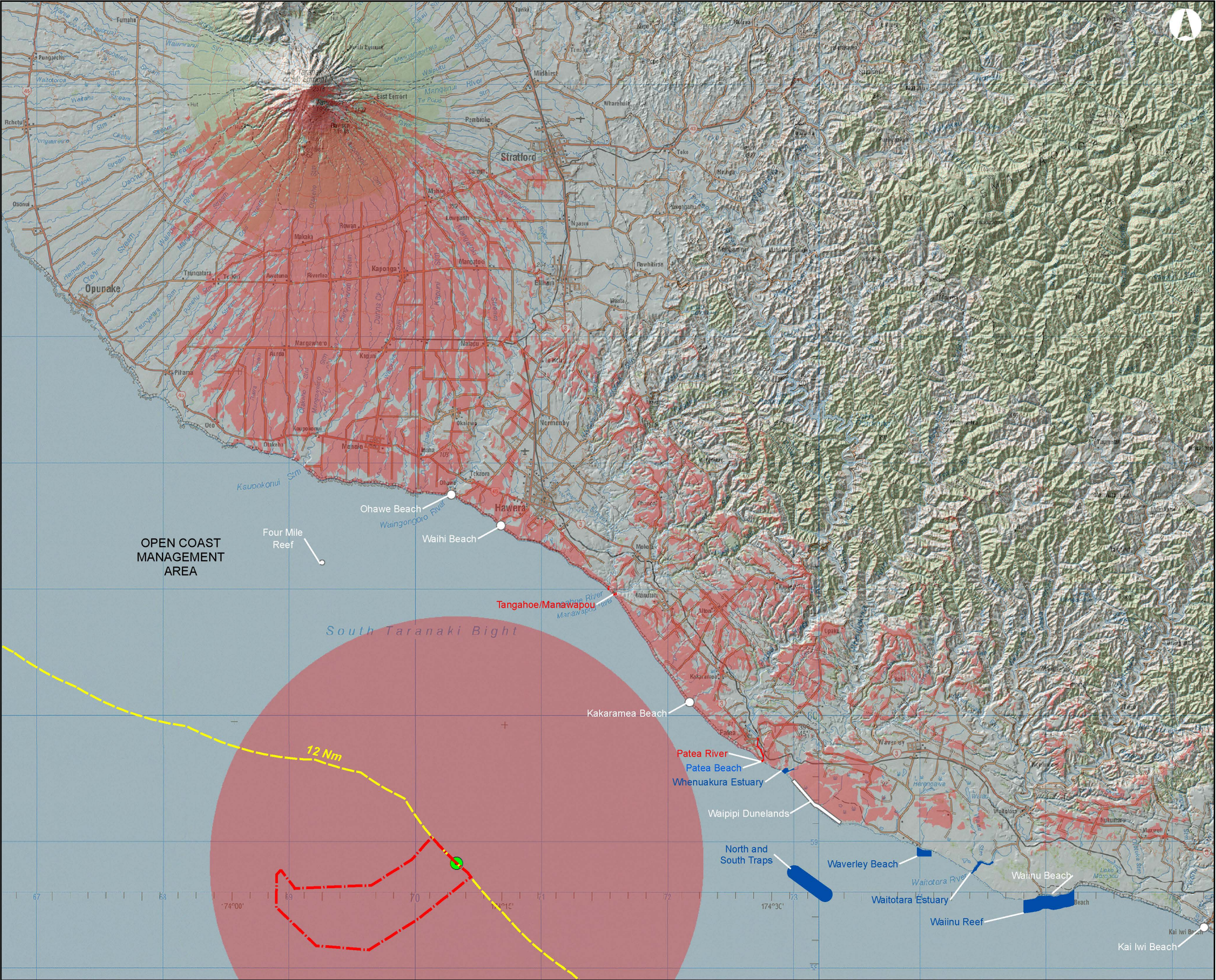
 Estimated Instrument Site



Instrument Site 16	508 m Offshore		
Instrument reading 11:00 12 March 2013	SSC 19.7 mg/l		
24 hour median 12 March 2013	24.9 mg/l	Min 11.5 mg/l	Max 52.4 mg/l
Survey Period Median 27 Feb - 2 May 2013	16.1 mg/l	Min 2.4 mg/l	Max 82.7 mg/l

Date of Photography: 10:54am, 12 March 2013

 Instrument Site



- Mining Area
- 12 Nm / CMA Boundary
- COASTAL MANAGEMENT AREAS
 - Coastal Mgt Area A
 - Coastal Mgt Area B
 - Area of Local/Regional Significance
- FPSO Deck Height
- Visible

0 10 km
1:275,000 @ A3

Note:
This analysis is based on terrain only - no vegetation or structures are used in the analysis. The effects of curvature and

Projection: NZGD 2000 New Zealand Transverse Mercator

SOUTH TARANAKI OFFSHORE
IRON SANDS MINING PROJECT

ZONE OF
THEORETICAL VISIBILITY

FROM 12 NAUTICAL MILES
FPSO Deck Height : 15m asl
Observer Height : 2m agl

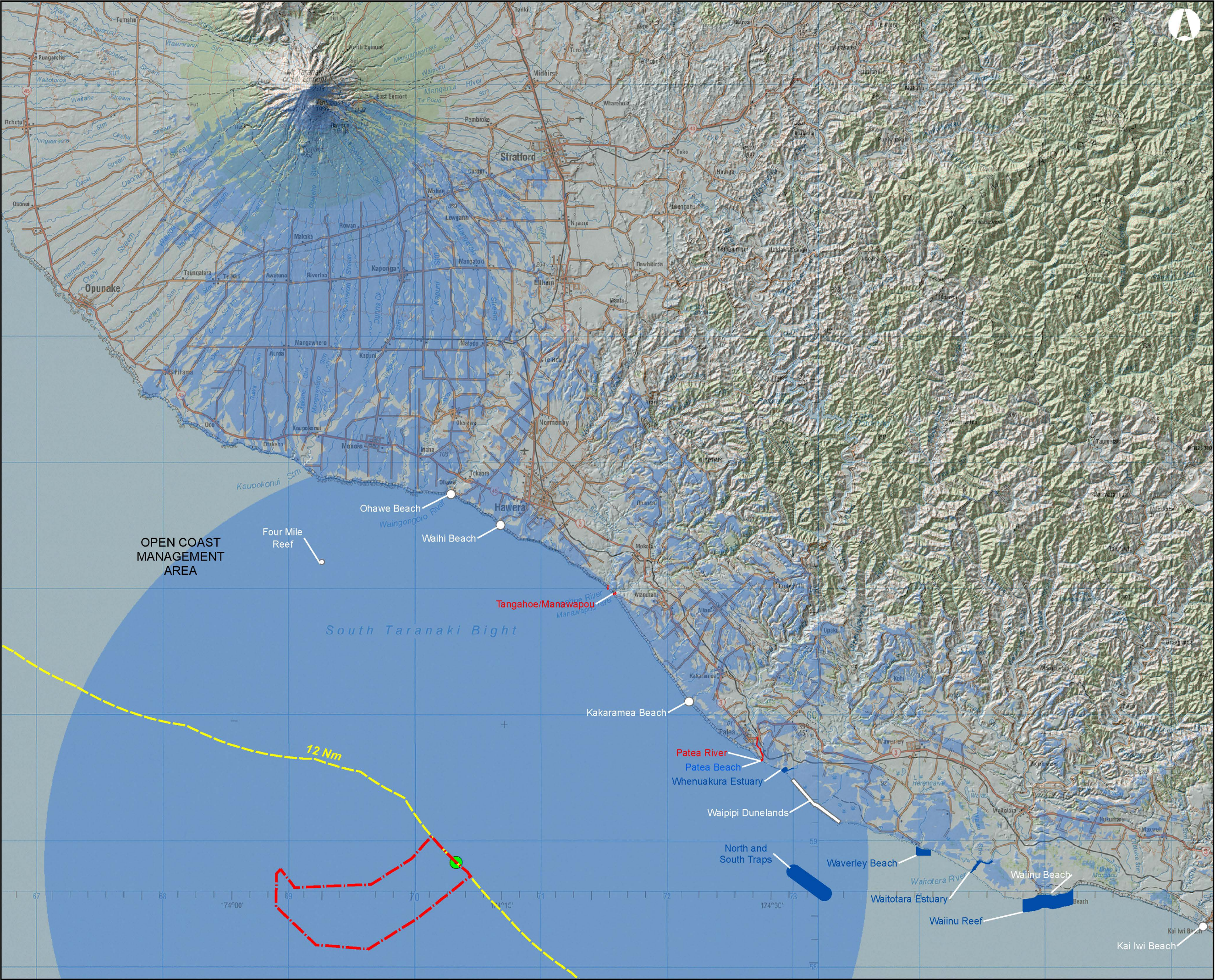
Date: 19 August 2013
Revision: 0

Author: Frank Boffa
Checked: XX

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FIGURE 7.1



- Mining Area
- 12 Nm / CMA Boundary
- COASTAL MANAGEMENT AREAS
 - Coastal Mgt Area A
 - Coastal Mgt Area B
 - Area of Local/Regional Significance
- FPSO Max Height
- Visible

0 10 km
1:275,000 @ A3

Note:
This analysis is based on terrain only - no vegetation or structures are used in the analysis. The effects of curvature and

Projection: NZGD 2000 New Zealand Transverse Mercator

SOUTH TARANAKI OFFSHORE
IRON SANDS MINING PROJECT

ZONE OF
THEORETICAL VISIBILITY

FROM 12 NAUTICAL MILES
FPSO Max Height : 55m asl
Observer Height : 2m agl

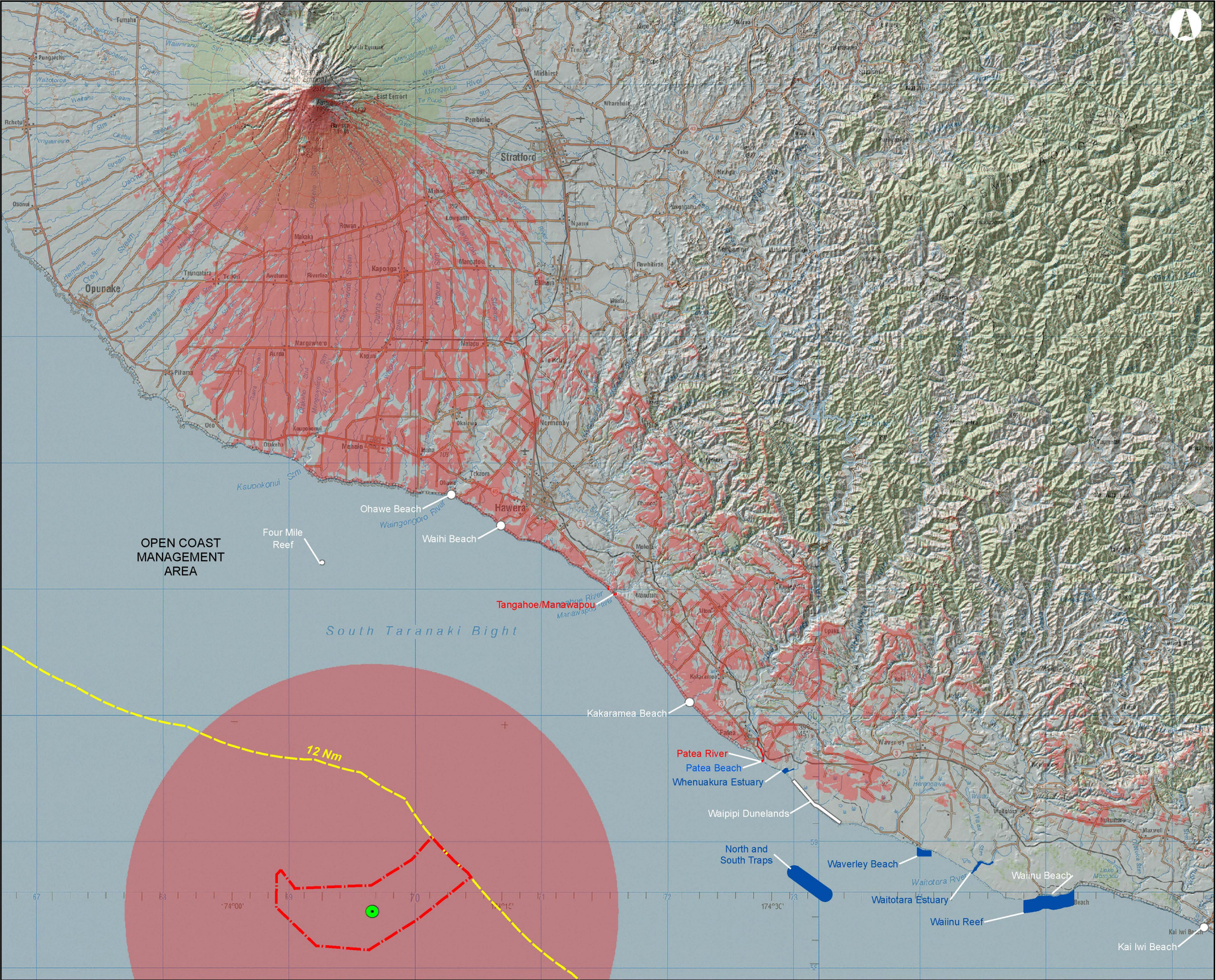
Date: 19 August 2013
Revision: 0

Author: Frank Boffa
Checked: XX

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FIGURE 7.2



- Mining Area
- 12 Nm / CMA Boundary
- COASTAL MANAGEMENT AREAS
 - Coastal Mgt Area A
 - Coastal Mgt Area B
 - Area of Local/Regional Significance
- FPSO Deck Height
- Visible

0 10 km
1:275,000 @ A3

Note:
This analysis is based on terrain only - no vegetation or structures are used in the analysis. The effects of curvature and

Projection: NZGD 2000 New Zealand Transverse Mercator

SOUTH TARANAKI OFFSHORE
IRON SANDS MINING PROJECT

ZONE OF
THEORETICAL VISIBILITY

FROM CENTRE OF LICENCE
FPSO Deck Height : 15m asl
Observer Height : 2m agl

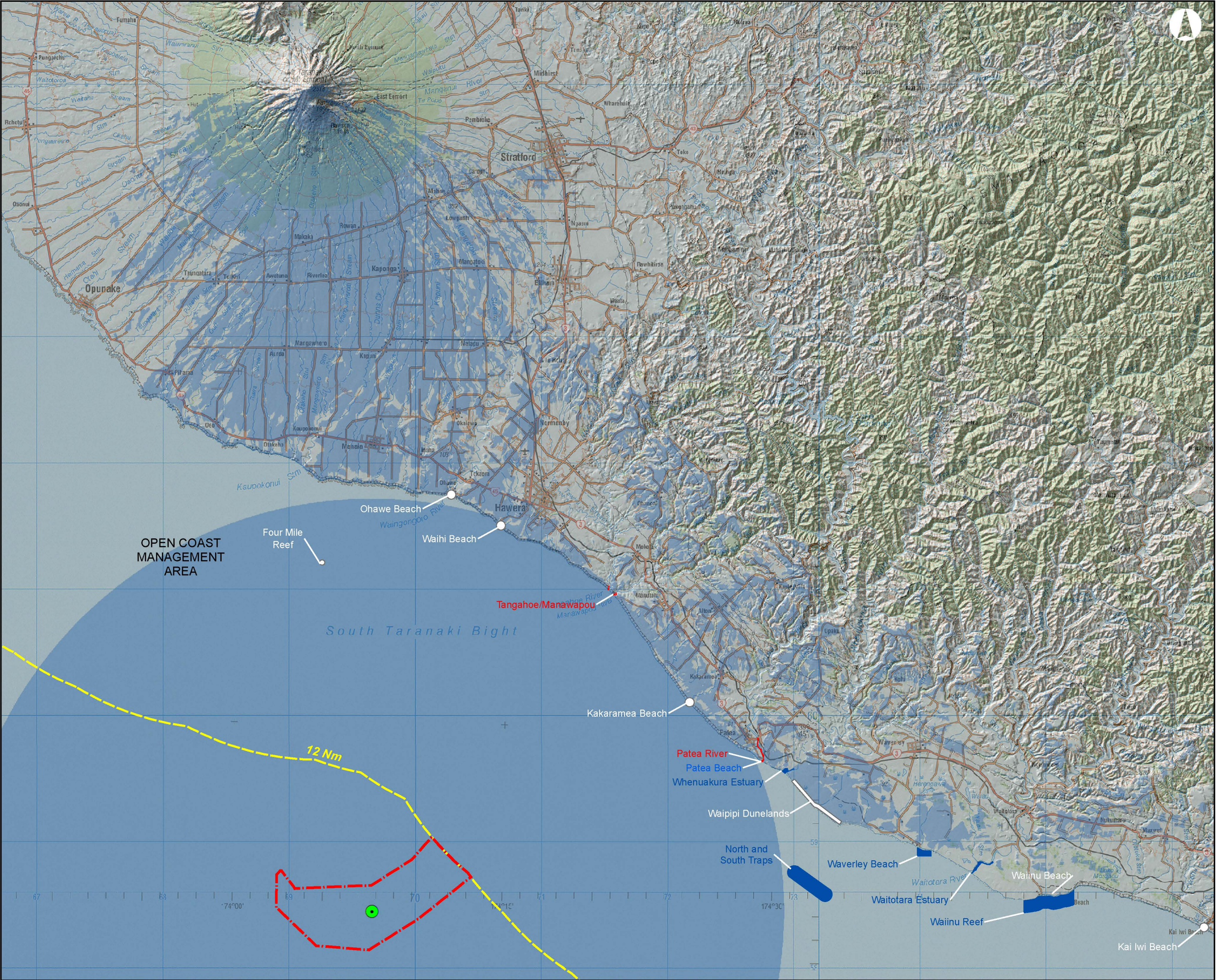
Date: 19 August 2013
Revision: 0

Author: Frank Boffa
Checked: XX

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FIGURE 7.3



- Mining Area
- 12 Nm / CMA Boundary
- COASTAL MANAGEMENT AREAS
 - Coastal Mgt Area A
 - Coastal Mgt Area B
 - Area of Local/Regional Significance
- FPSO Max Height
- Visible

0 10 km
1:275,000 @ A3

Note:
This analysis is based on terrain only - no vegetation or structures are used in the analysis. The effects of curvature and

Projection: NZGD 2000 New Zealand Transverse Mercator

SOUTH TARANAKI OFFSHORE
IRON SANDS MINING PROJECT

ZONE OF
THEORETICAL VISIBILITY

FROM CENTRE OF LICENCE
FPSO Max Height : 55m asl
Observer Height : 2m agl

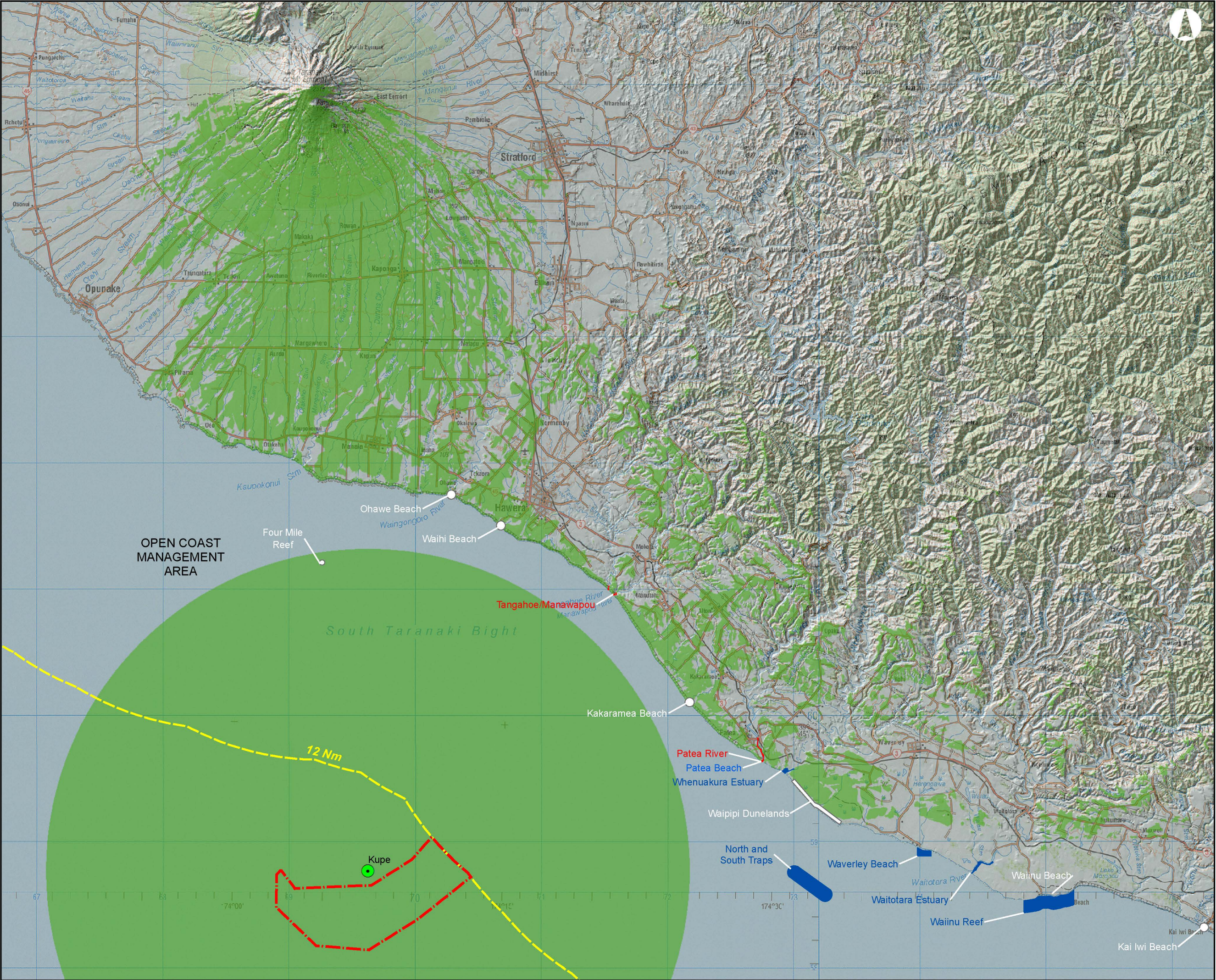
Date: 20 August 2013
Revision: 0

Author: Frank Boffa
Checked: XX

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FIGURE 7.4



- Mining Area
- 12 Nm / CMA Boundary
- COASTAL MANAGEMENT AREAS
 - Coastal Mgt Area A
 - Coastal Mgt Area B
 - Area of Local/Regional Significance

- Deck Height
- Visible



Note:
This analysis is based on terrain only - no vegetation or structures are used in the analysis. The effects of curvature and

Projection: NZGD 2000 New Zealand Transverse Mercator

SOUTH TARANAKI OFFSHORE
IRON SANDS MINING PROJECT

ZONE OF
THEORETICAL VISIBILITY

FROM KUPE PLATFORM
Deck Height : 30m asl
Observer Height : 2m agl

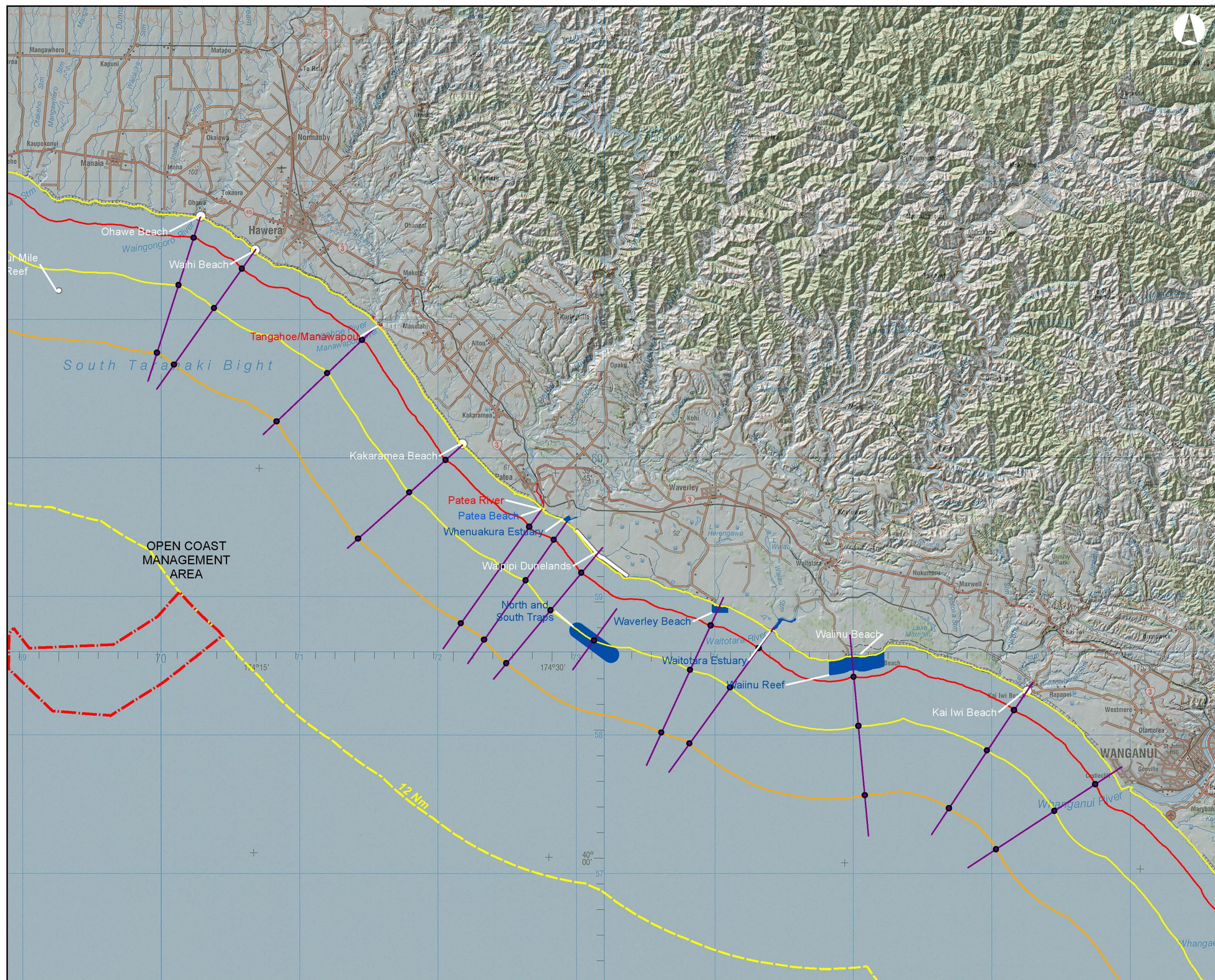
Date: 19 August 2013
Revision: 0

Author: Frank Boffa
Checked: XX

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FIGURE 7.5



- Mining Area**
- 12 Nm / CMA Boundary**
- COASTAL MANAGEMENT AREAS**
- Coastal Mgt Area A
 - Coastal Mgt Area B
 - Area of Local/Regional Significance

0 10 km

1:250,000 @ A3

Note:
This analysis is based on terrain only - no vegetation or structures are used in the analysis. The effects of curvature and

Projection: NZGD 2000 New Zealand Transverse Mercator

SOUTH TARANAKI OFFSHORE IRON SANDS MINING PROJECT SUSPENDED SEDIMENT MODELLING MEASUREMENT LOCATIONS

FROM CENTRE OF LICENCE
FPSO Max Height : 55m asl
Observer Height : 2m agl

Date: 2 September 2013
Revision: 0

Author: Frank Boffa
Checked: XX

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FIGURE 9.0

