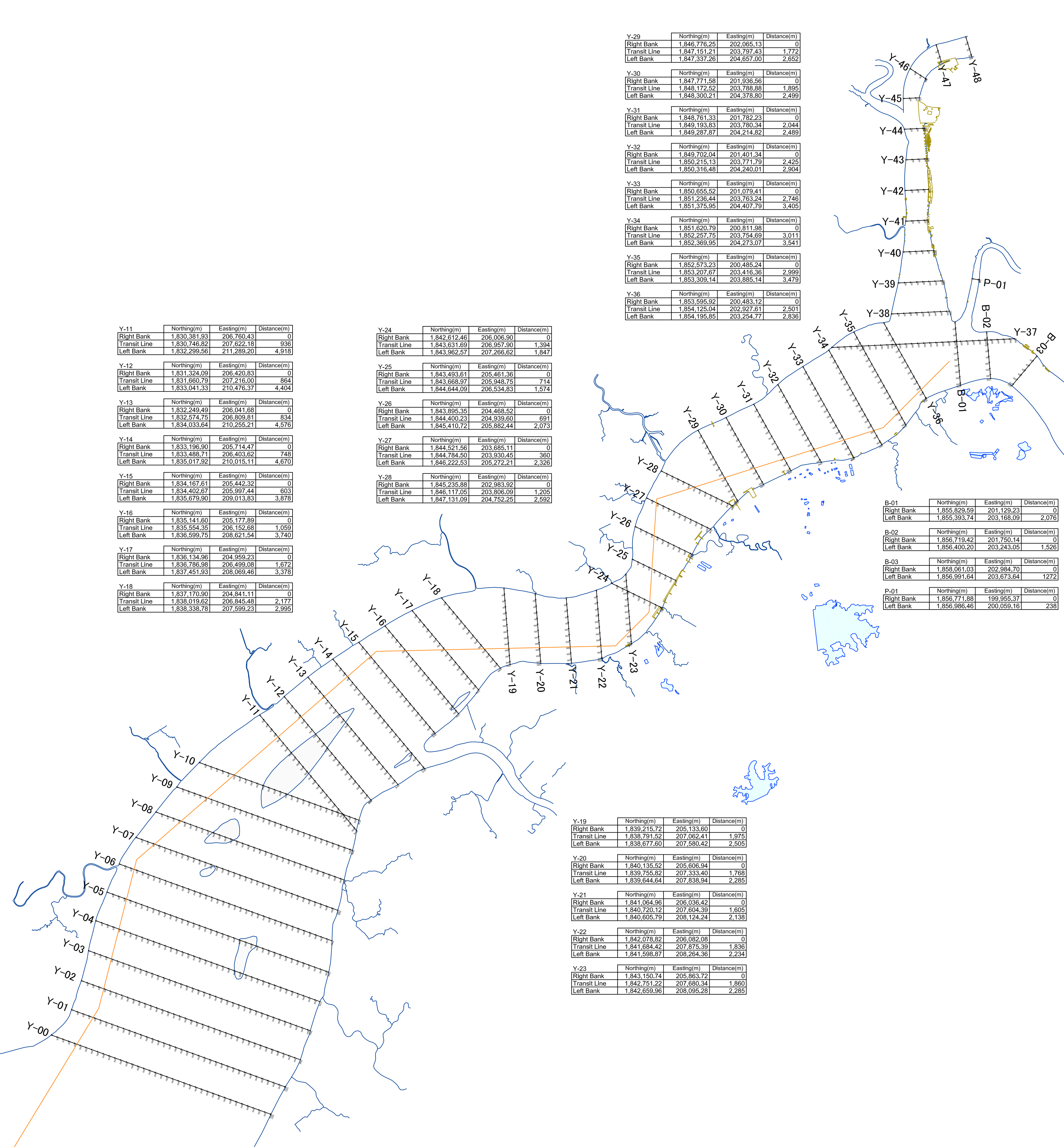


Station	Right Bank	Transit Line	Left Bank
Y-00	1,820,626.36	1,821,538.88	1,826,923.85
Y-01	1,821,698.63	1,822,301.56	1,827,635.46
Y-02	1,822,263.78	1,822,906.79	1,828,361.11
Y-03	1,822,794.22	1,823,428.67	1,828,948.63
Y-04	1,823,304.95	1,823,950.56	1,829,527.99
Y-05	1,823,926.49	1,824,472.44	1,830,081.91
Y-06	1,824,578.58	1,824,994.32	1,830,485.10
Y-07	1,825,352.44	1,825,871.66	1,830,956.95
Y-08	1,826,216.92	1,826,918.22	1,831,442.02
Y-09	1,827,109.32	1,827,964.79	1,831,986.55
Y-10	1,828,045.93	1,829,011.35	1,832,476.45



Station	Right Bank	Transit Line	Left Bank
Y-11	1,830,381.93	1,830,746.82	1,832,299.56
Y-12	1,831,324.09	1,831,660.79	1,833,041.33
Y-13	1,832,249.49	1,832,574.75	1,834,033.64
Y-14	1,833,196.90	1,833,488.71	1,835,017.92
Y-15	1,834,167.61	1,834,402.67	1,835,679.90
Y-16	1,835,141.60	1,835,554.35	1,836,599.75
Y-17	1,836,134.96	1,836,785.96	1,837,451.93
Y-18	1,837,170.90	1,838,019.62	1,838,338.78

Station	Right Bank	Transit Line	Left Bank
Y-19	1,839,215.72	1,838,791.52	1,839,617.60
Y-20	1,840,135.52	1,839,755.82	1,839,644.64
Y-21	1,841,064.96	1,840,720.12	1,840,605.79
Y-22	1,842,078.82	1,841,684.42	1,841,598.87
Y-23	1,843,150.74	1,842,751.22	1,842,659.96

Station	Right Bank	Transit Line	Left Bank
Y-24	1,842,612.46	1,843,631.69	1,844,644.09
Y-25	1,843,493.61	1,844,400.23	1,845,410.72
Y-26	1,843,895.35	1,844,400.23	1,845,410.72
Y-27	1,844,521.56	1,844,784.50	1,846,222.53
Y-28	1,845,235.88	1,846,117.05	1,847,131.09




Station	Right Bank	Transit Line	Left Bank
Y-29	1,847,771.58	1,848,174.52	1,848,300.21
Y-30	1,847,711.58	1,848,174.52	1,848,300.21
Y-31	1,848,761.33	1,849,193.83	1,849,287.87
Y-32	1,849,702.04	1,850,215.13	1,850,316.48
Y-33	1,850,655.52	1,851,236.44	1,851,375.95
Y-34	1,851,620.79	1,852,257.75	1,852,359.95
Y-35	1,852,573.23	1,853,207.67	1,853,309.14
Y-36	1,853,595.92	1,854,128.04	1,854,195.65

Station	Right Bank	Transit Line	Left Bank
Y-37	1,854,225.50	1,855,585.47	1,855,843.77
Y-38	1,854,873.16	1,855,945.53	1,856,262.60
Y-39	1,854,425.50	1,855,585.47	1,855,843.77
Y-40	1,854,873.16	1,855,945.53	1,856,262.60
Y-41	1,855,248.20	1,855,925.66	1,856,262.60
Y-42	1,855,518.02	1,856,262.60	1,856,262.60
Y-43	1,855,841.19	1,856,518.98	1,856,518.98
Y-44	1,856,082.46	1,856,721.53	1,856,721.53
Y-45	1,856,342.59	1,856,848.20	1,856,848.20
Y-46	1,856,842.97	1,857,238.08	1,857,238.08

Station	Right Bank	Transit Line	Left Bank
Y-47	1,857,684.75	1,857,981.67	1,858,384.58
Y-48	1,858,880.81	1,859,339.65	1,859,692.52

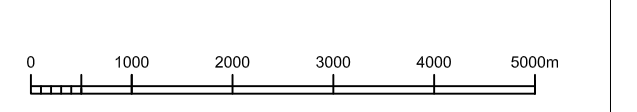

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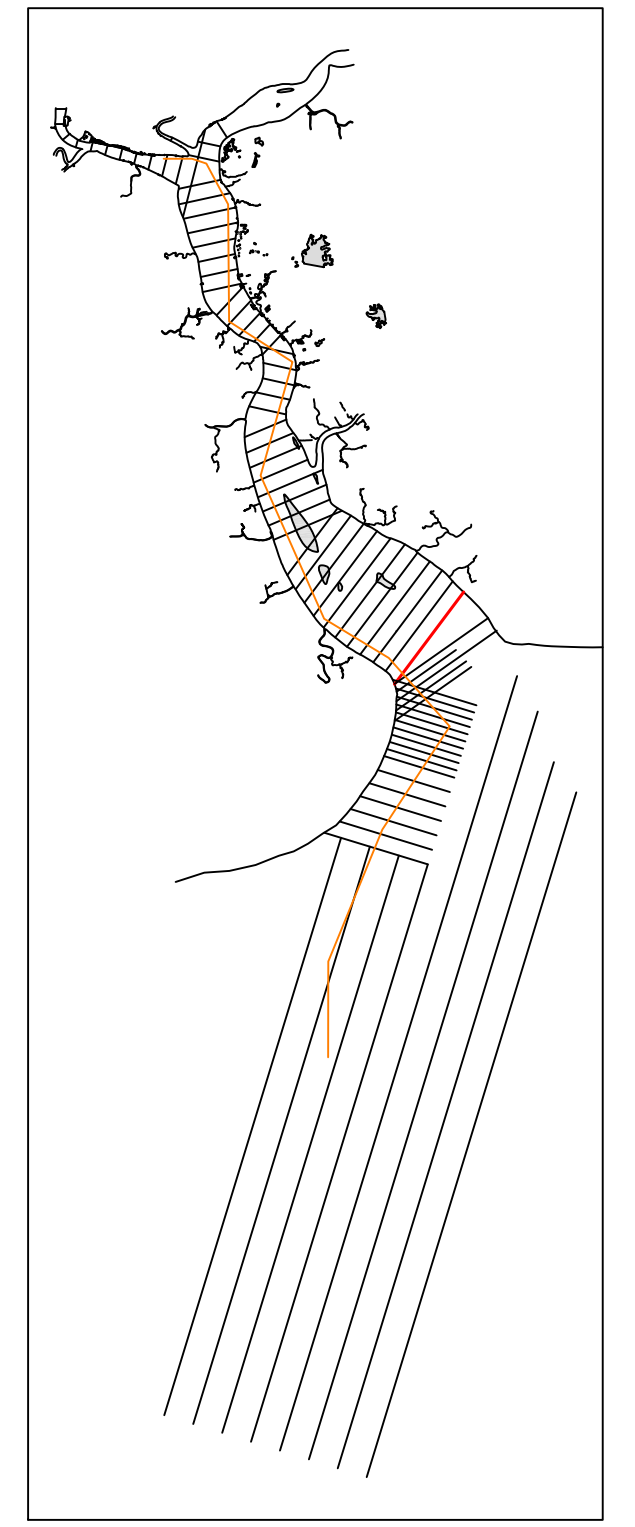
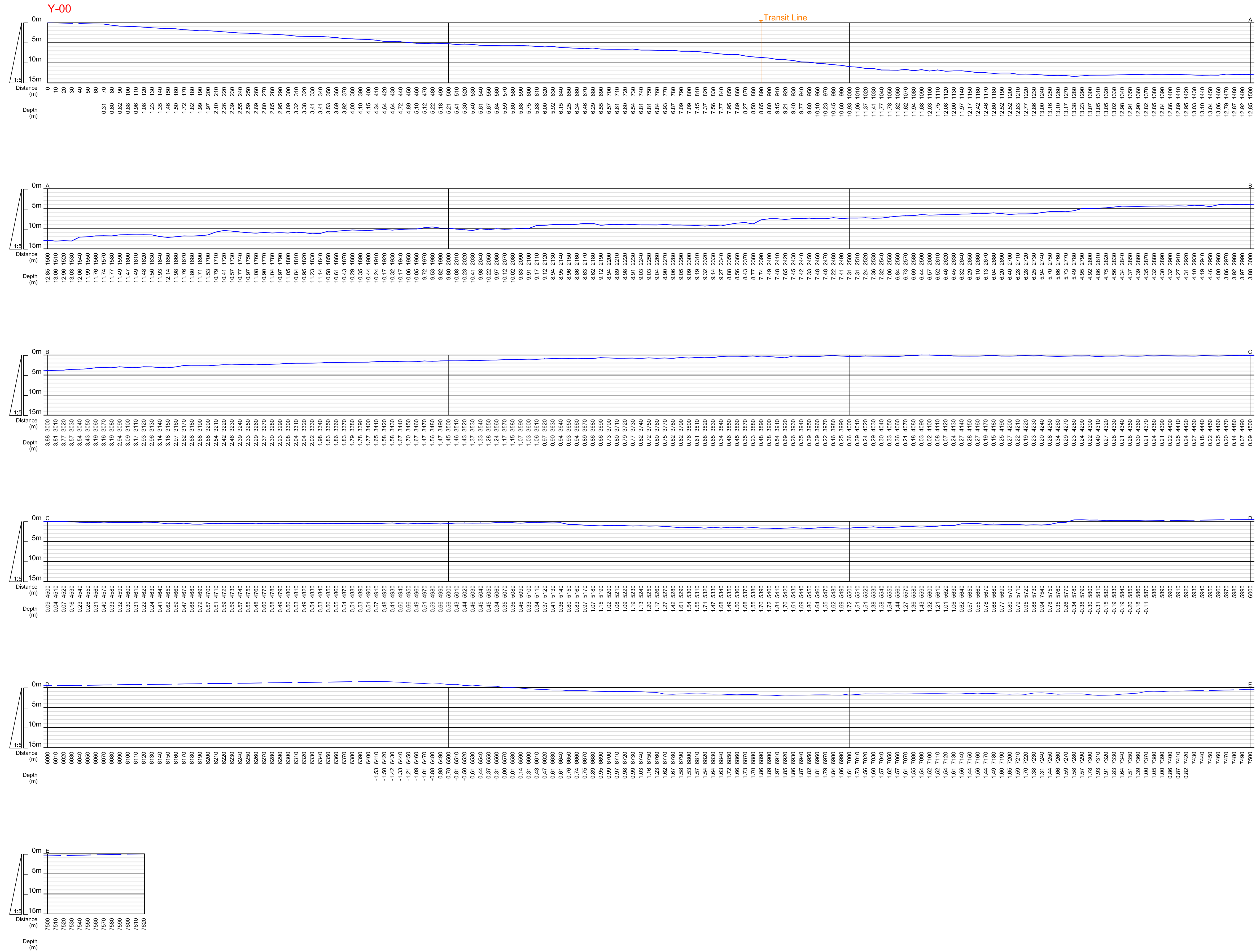
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA STUDY TEAM

ORIENTAL CONSULTANTS GLOBAL Co., LTD.

ASIA AIR SURVEY CO., LTD.
CONTRACTOR

ARC GEO SUPPORT CO., LTD.

Project Name: **The Data Collection Survey for Improvement of Navigation Channel of Yangon Port**
 Drawing Title: **Location map of cross section survey lines along the Yangon River, the Bago River and Pazundaung Creek before rainy season**

Projection: **UTM Zone 47 N**
 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**
 Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **31 Jan 2016**
 Sheet No.: **The Yangon river and the Bago river**
 Scale: **1/75,000 (A1 Printing) 1/150,000 (A3 Printing)**





	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 820 826.96	214 755.39	0
Transit Line	1 821 538.88	215 289.28	890
Left Bank	1 826 923.85	219 327.47	7 621

— Before Rainy Season



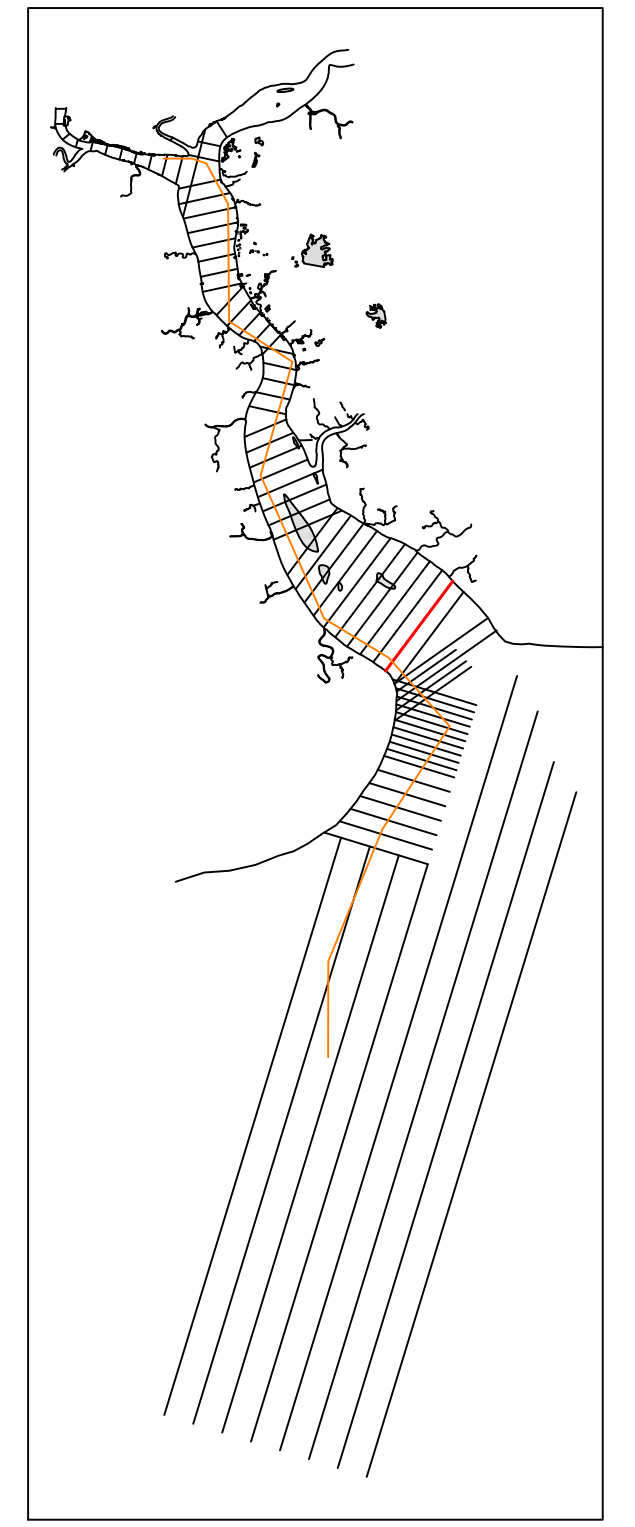
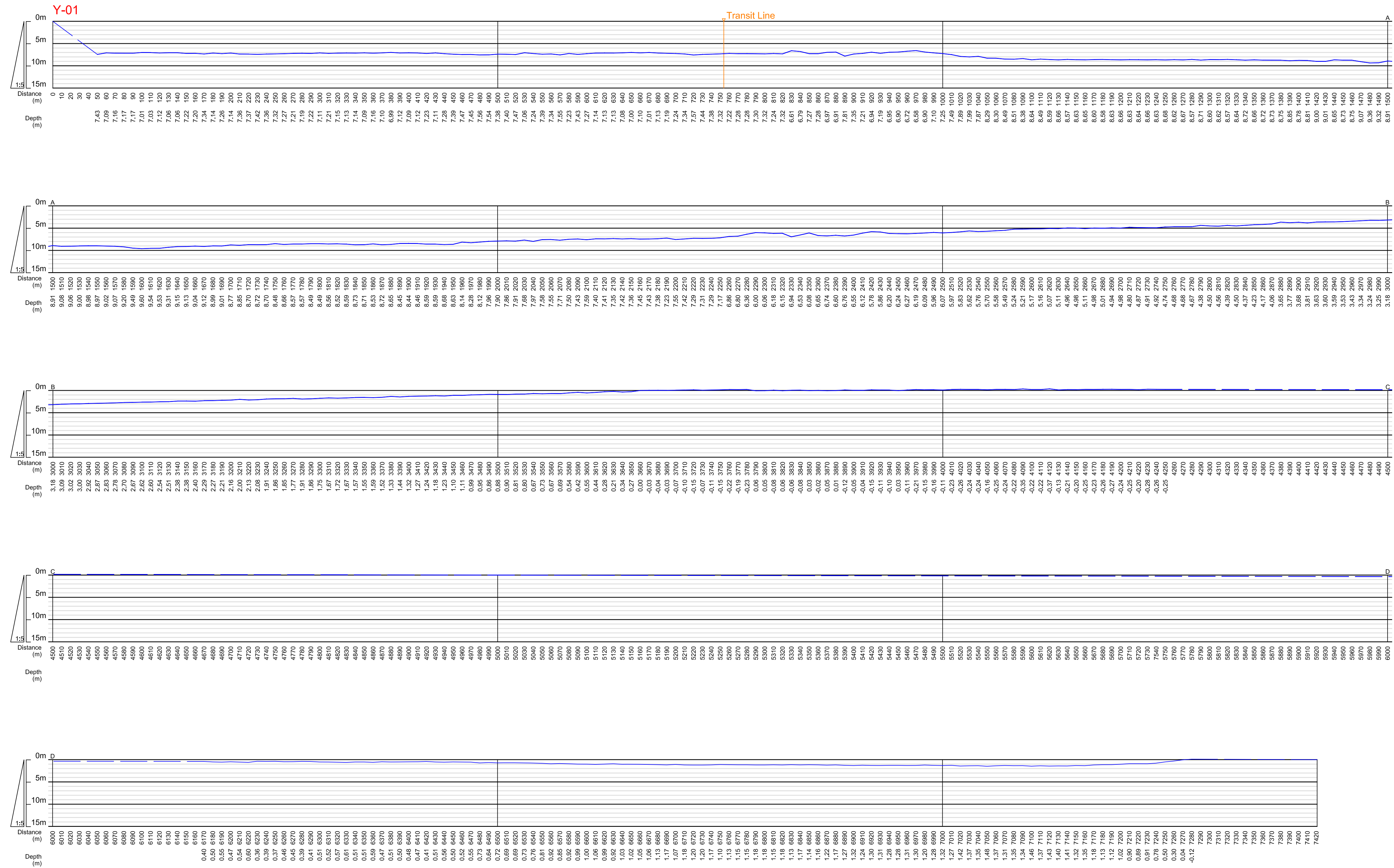
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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA STUDY TEAM
 ORIENTAL CONSULTANTS GLOBAL Co., LTD.
 ASIA AIR SURVEY CO., LTD.
CONTRACTOR
 ARC GEO SUPPORT CO., LTD.

Project Name
 The Data Collection Survey for Improvement of Navigation Channel of Yangon Port
Drawing Title
 Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season

Projection
 UTM Zone 47 N
Ellipsoid
 WGS - 84
Datum Level
 Chart Datum of Yangon Port
Revision
 1.0.0

Date of Survey
 From 06 May 2015 to 07 Jun 2015
Date of Drawing
 03 Aug 2015
Sheet No.
 Y-00
Scale
 H=2,500 V=1/500 (A1 Printing)
 H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 821 698.63	214 159.11	0
Transit Line	1 822 301.58	214 611.26	754
Left Bank	1 827 635.46	218 611.16	7421

— Before Rainy Season



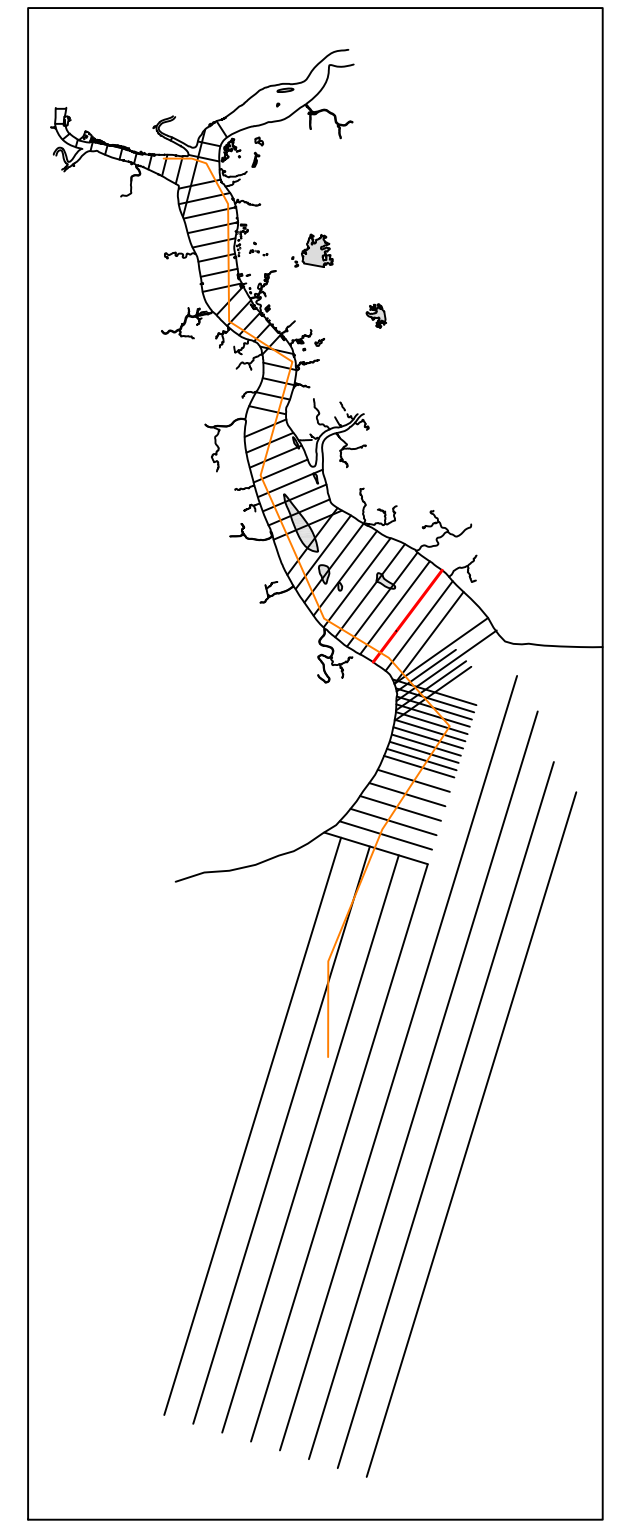
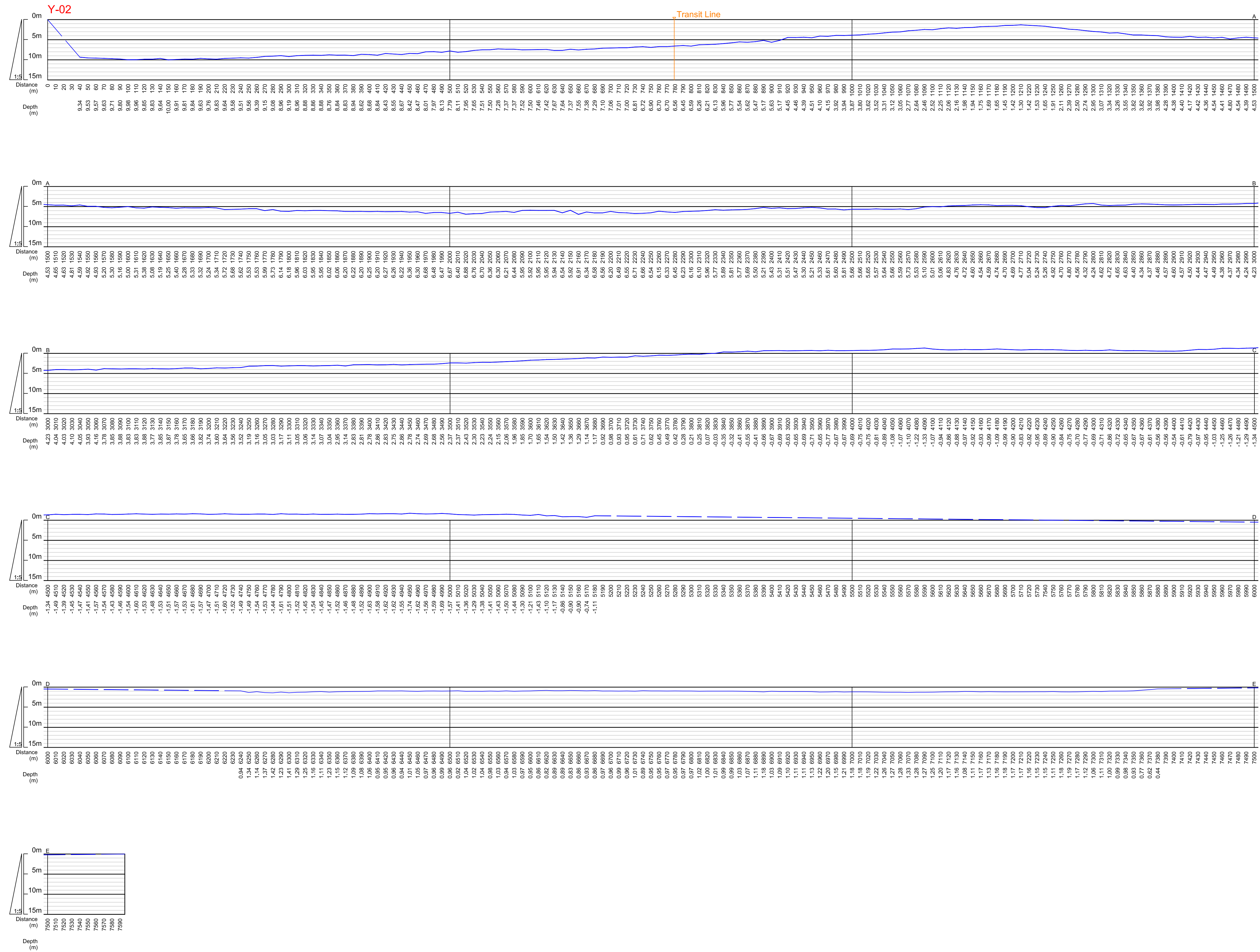
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CONTRACTOR
 ARC GEO SUPPORT CO., LTD.

Project Name
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Drawing Title
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Projection
 UTM Zone 47 N
Ellipsoid
 WGS - 84
Datum Level
 Chart Datum of Yangon Port
Revision
 1.0.0

Date of Survey
 From 06 May 2015 to 07 Jun 2015
Date of Drawing
 03 Aug 2015
Sheet No.
 Y-01
Scale
 H=2,500 V=1/500 (A1 Printing)
 H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 822 283.78	213 347.98	0
Transit Line	1 822 936.79	213 815.18	770
Left Bank	1 828 361.11	217 905.39	7 580

— Before Rainy Season

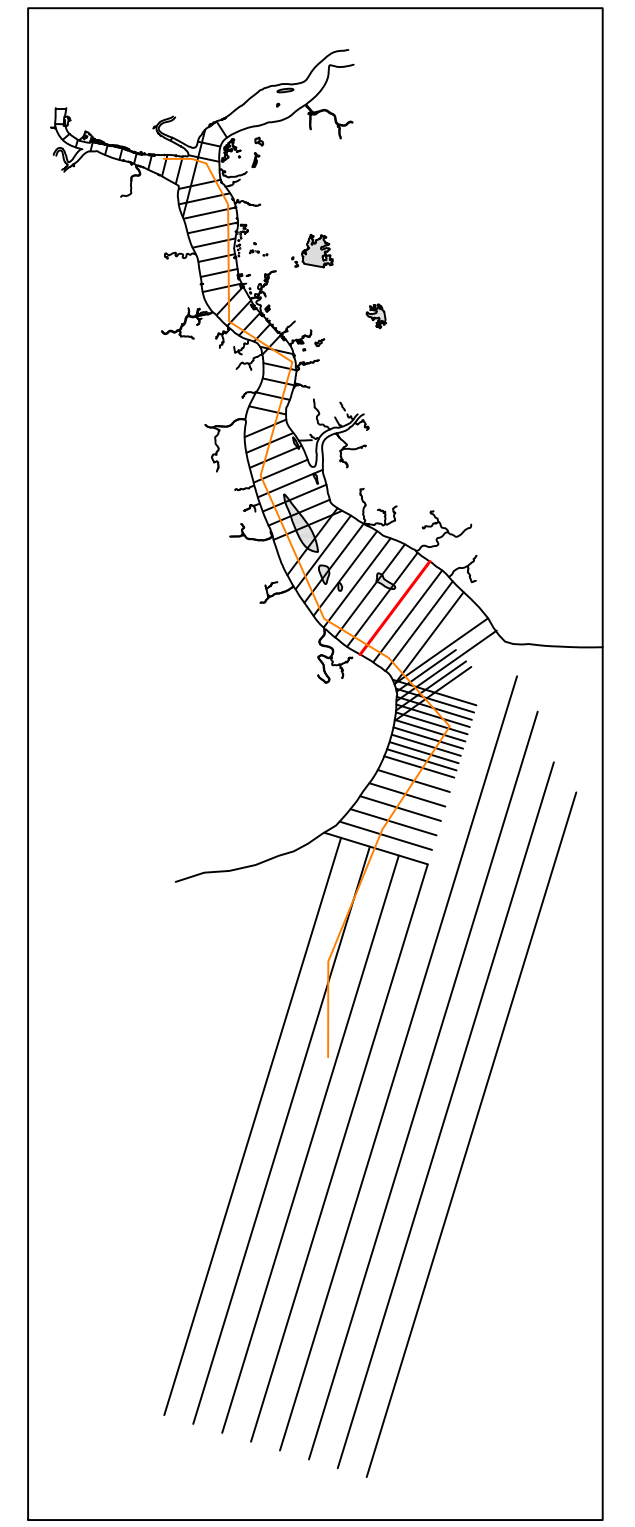
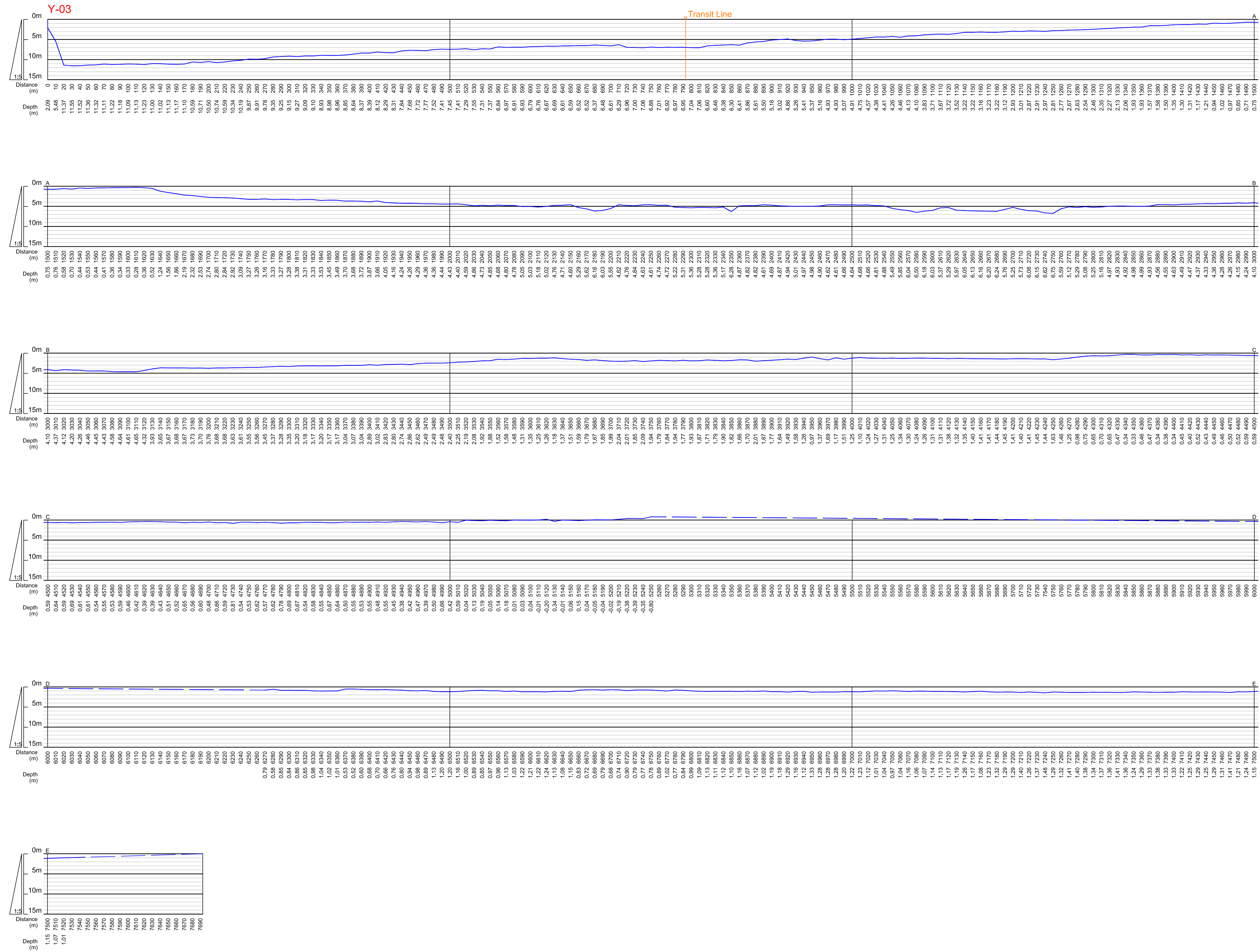


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CONTRACTOR	
	ARC GEO SUPPORT CO., LTD.

Project Name	The Data Collection Survey for Improvement of Navigation Channel of Yangon Port
Drawing Title	Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season

Projection	UTM Zone 47 N	Date of Survey	From 06 May 2015 to 07 Jun 2015
Ellipsoid	WGS - 84	Date of Drawing	03 Aug 2015
Datum Level	Chart Datum of Yangon Port	Sheet No.	Y-02
Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)



Y-03	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 822 794.22	212 490.82	0
Transit Line	1 823 429.87	212 958.90	763
Left Bank	1 828 948.83	217 096.18	7 693

— Before Rainy Season



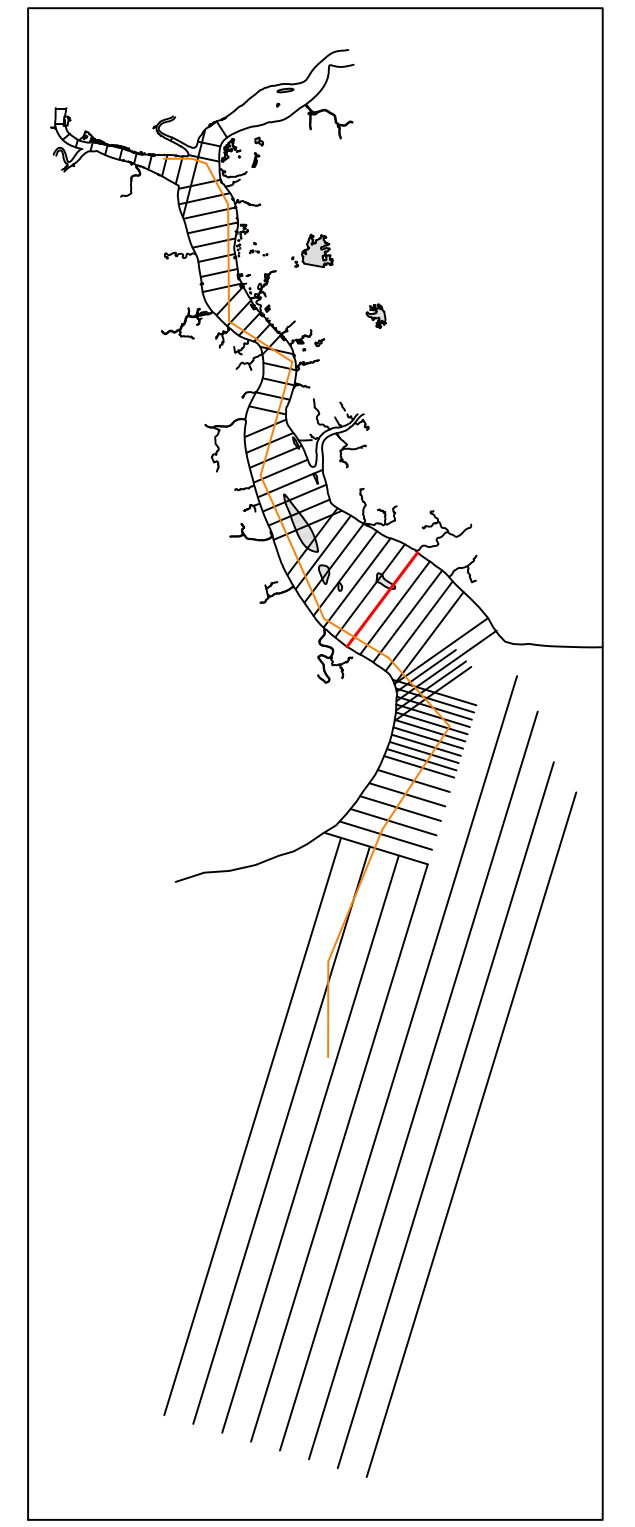
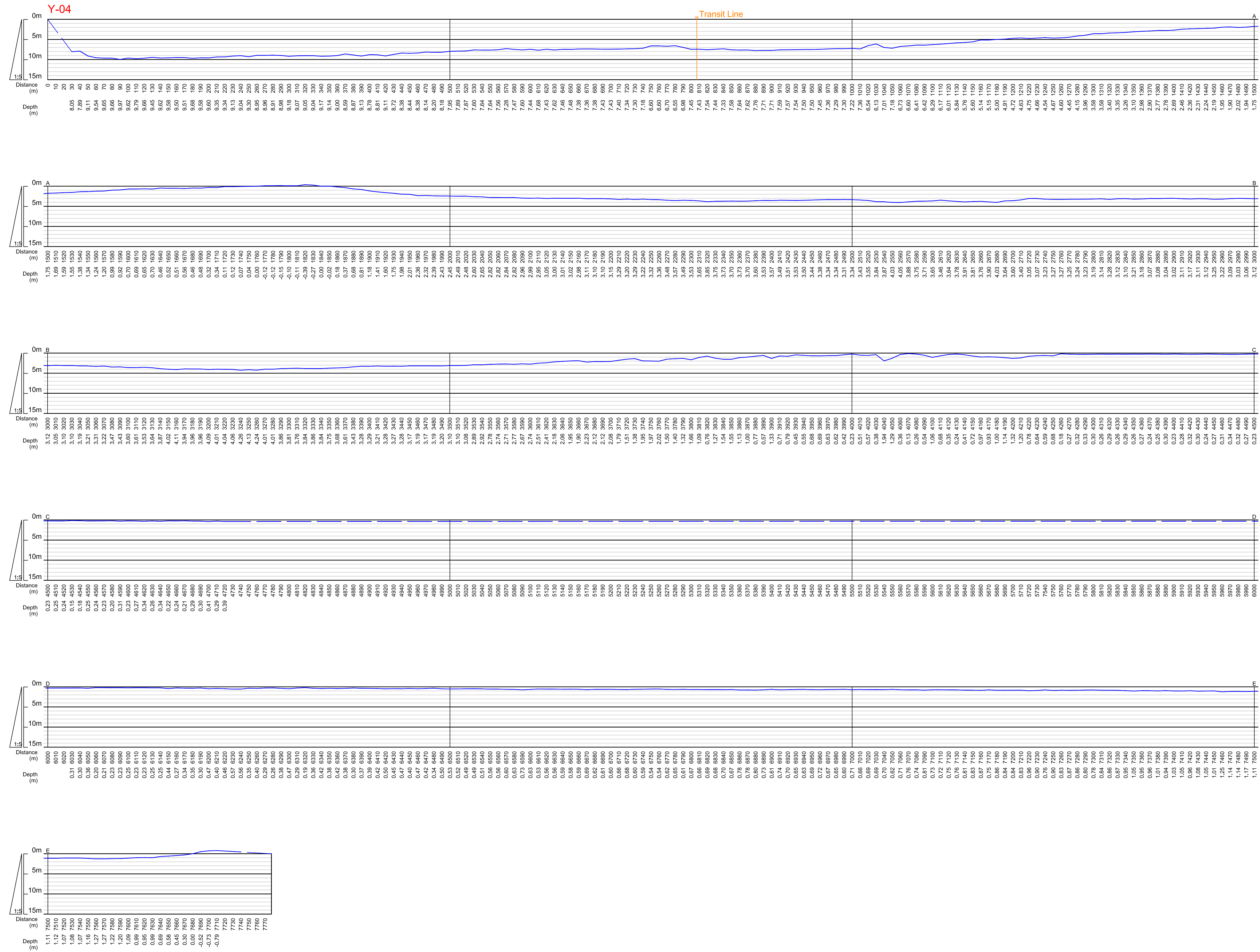
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 ORIENTAL CONSULTANTS GLOBAL Co., LTD.
 ASIA AIR SURVEY CO., LTD.
CONTRACTOR
 ARC GEO SUPPORT CO., LTD.

Project Name: **The Data Collection Survey for Improvement of Navigation Channel of Yangon Port**
 Drawing Title: **Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season**

Projection: **UTM Zone 47 N**
 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-03**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 823 304.95	211 613.87	0
Transit Line	1 823 350.56	212 098.02	807
Left Bank	1 823 527.99	216 280.55	7 778

Before Rainy Season



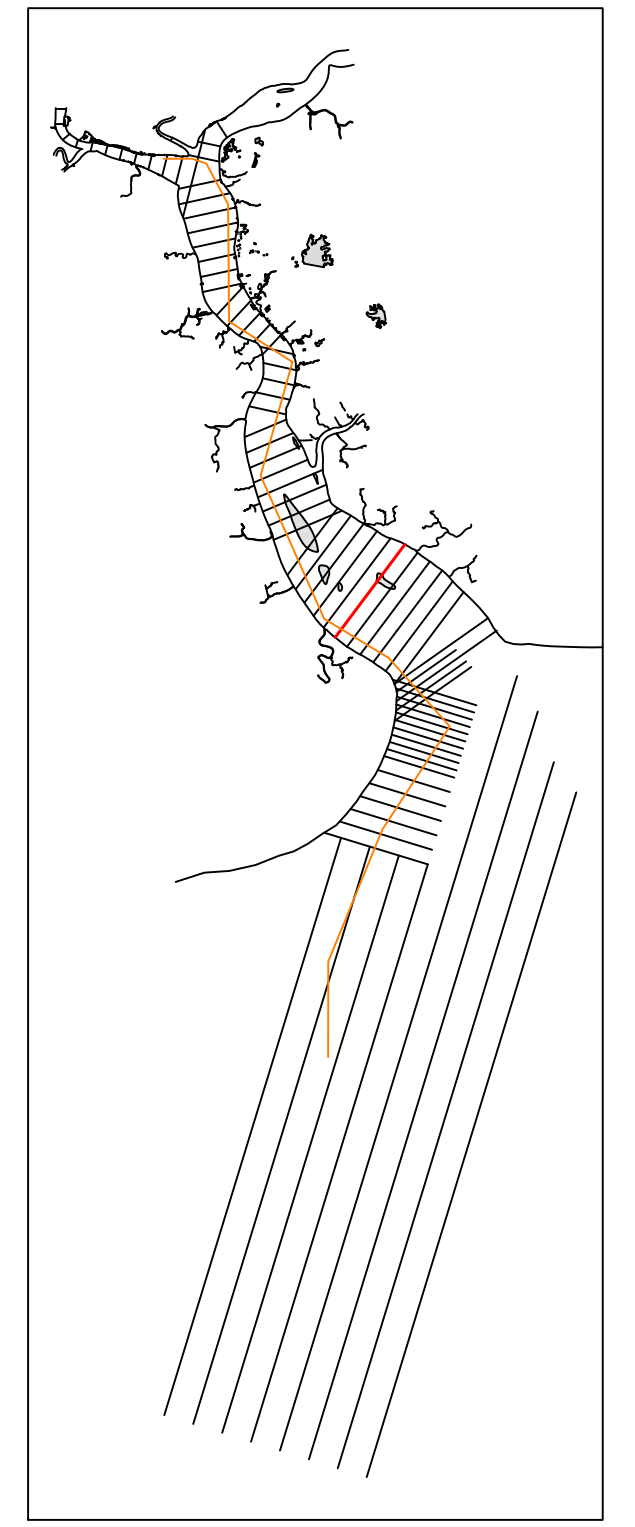
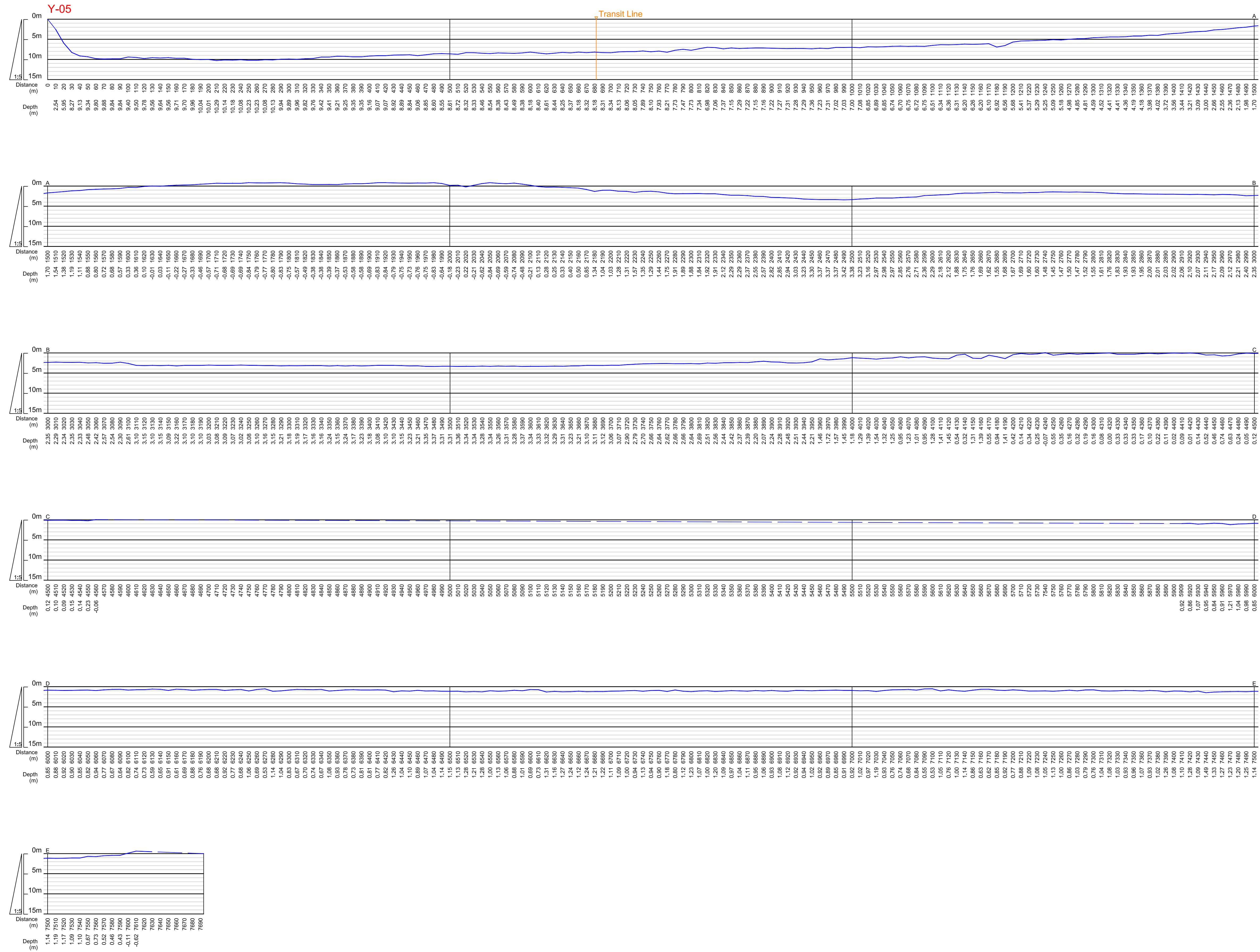
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CONTRACTOR
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Project Name: **The Data Collection Survey for Improvement of Navigation Channel of Yangon Port**
 Drawing Title: **Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season**

Projection: **UTM Zone 47 N**
 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-04**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)



Y-05	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,823,926.49	210,830.02	0
Transit Line	1,824,472.44	211,239.44	682
Left Bank	1,830,081.91	215,446.00	7,694

Before Rainy Season



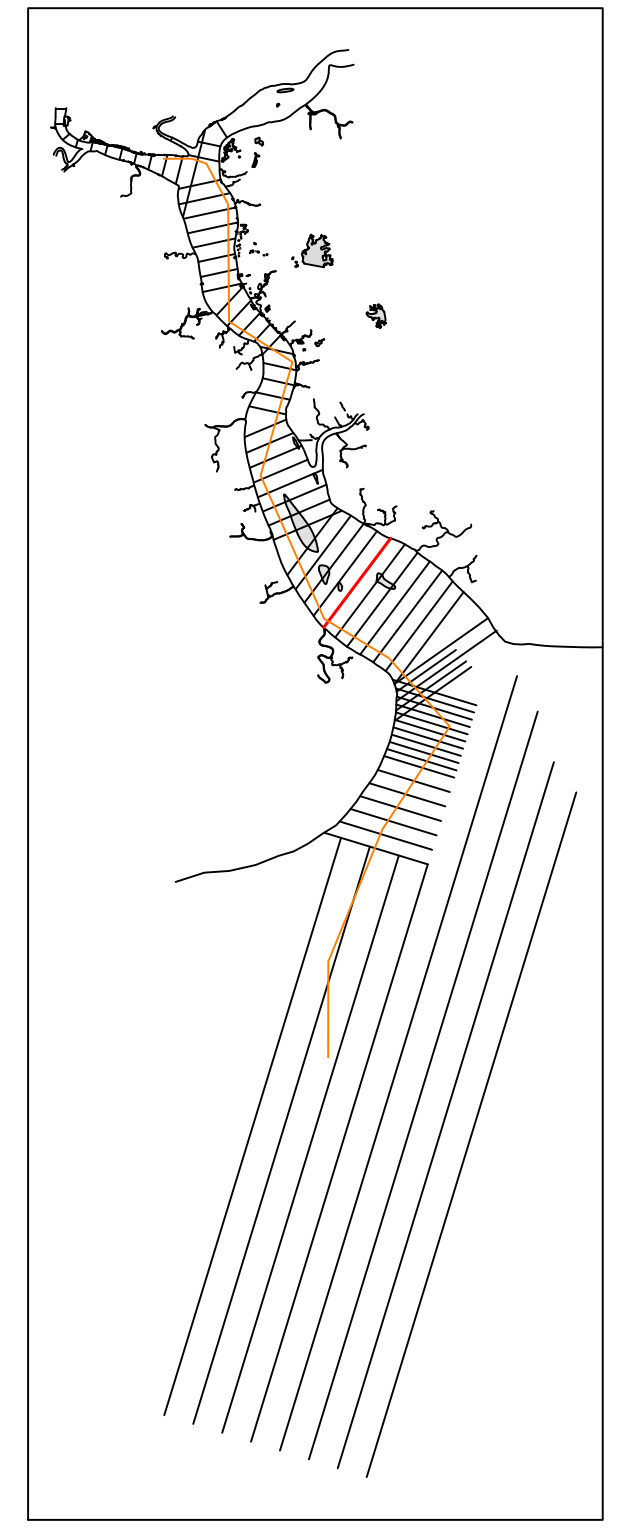
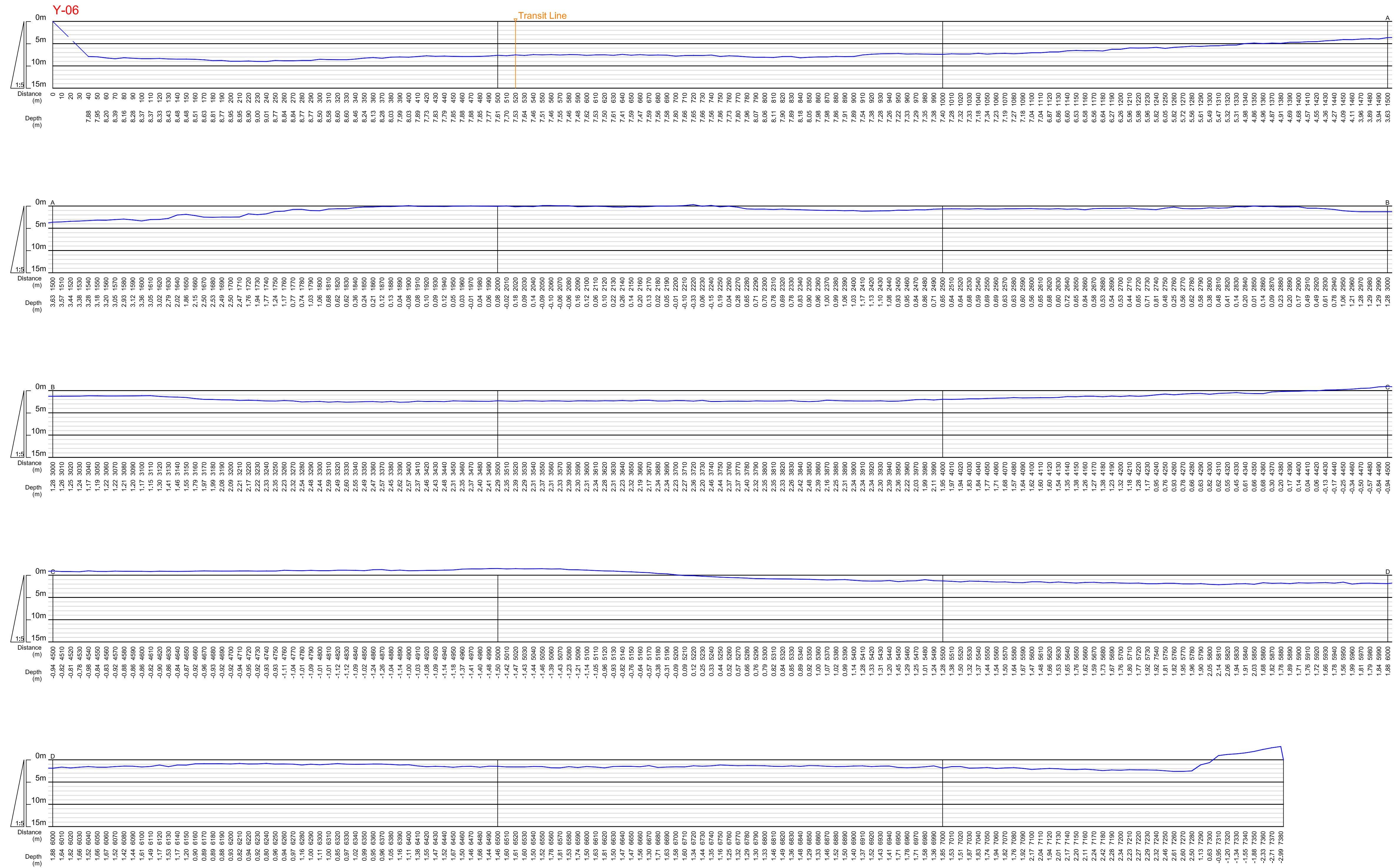
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 ASIA AIR SURVEY CO., LTD.
CONTRACTOR
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Project Name: **The Data Collection Survey for Improvement of Navigation Channel of Yangon Port**
 Drawing Title: **Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season**

Projection: **UTM Zone 47 N**
 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-05**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)



Y-06	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,824,578.58	210,959.09	0
Transit Line	1,824,994.32	210,380.85	520
Left Bank	1,830,485.10	214,498.41	7,383

— Before Rainy Season



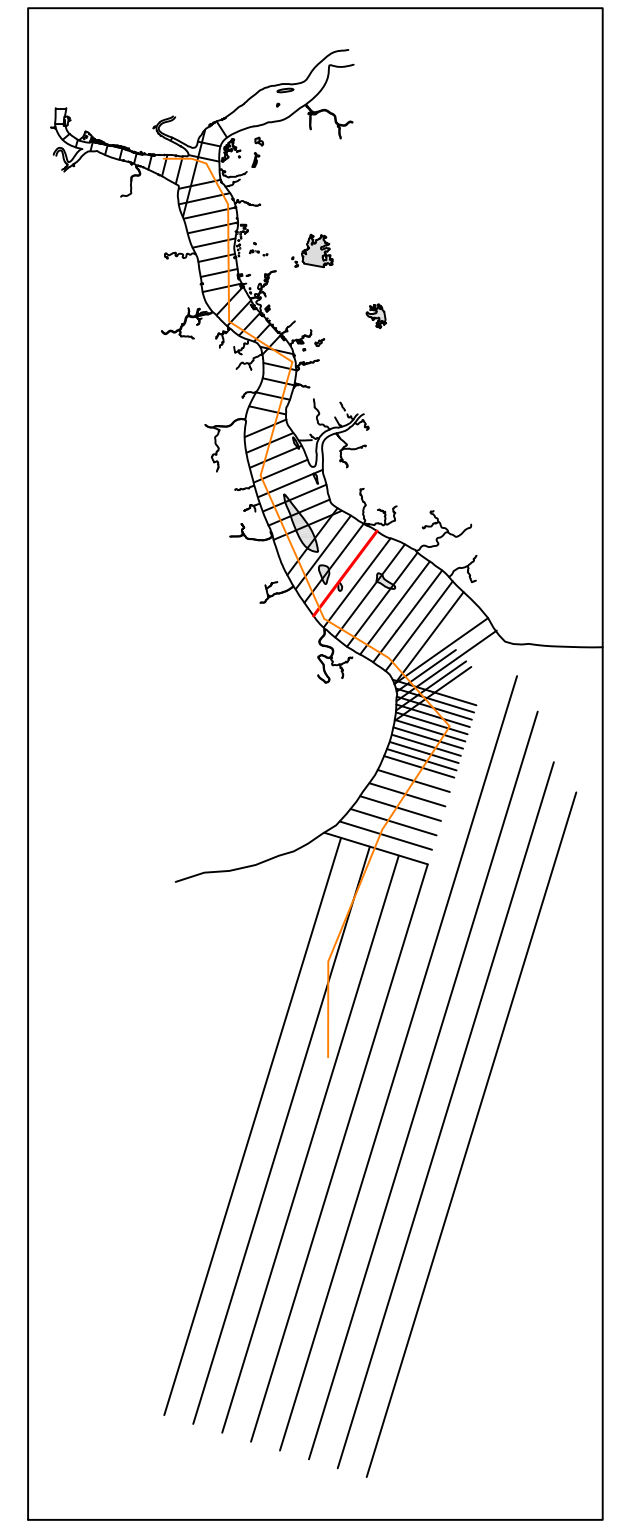
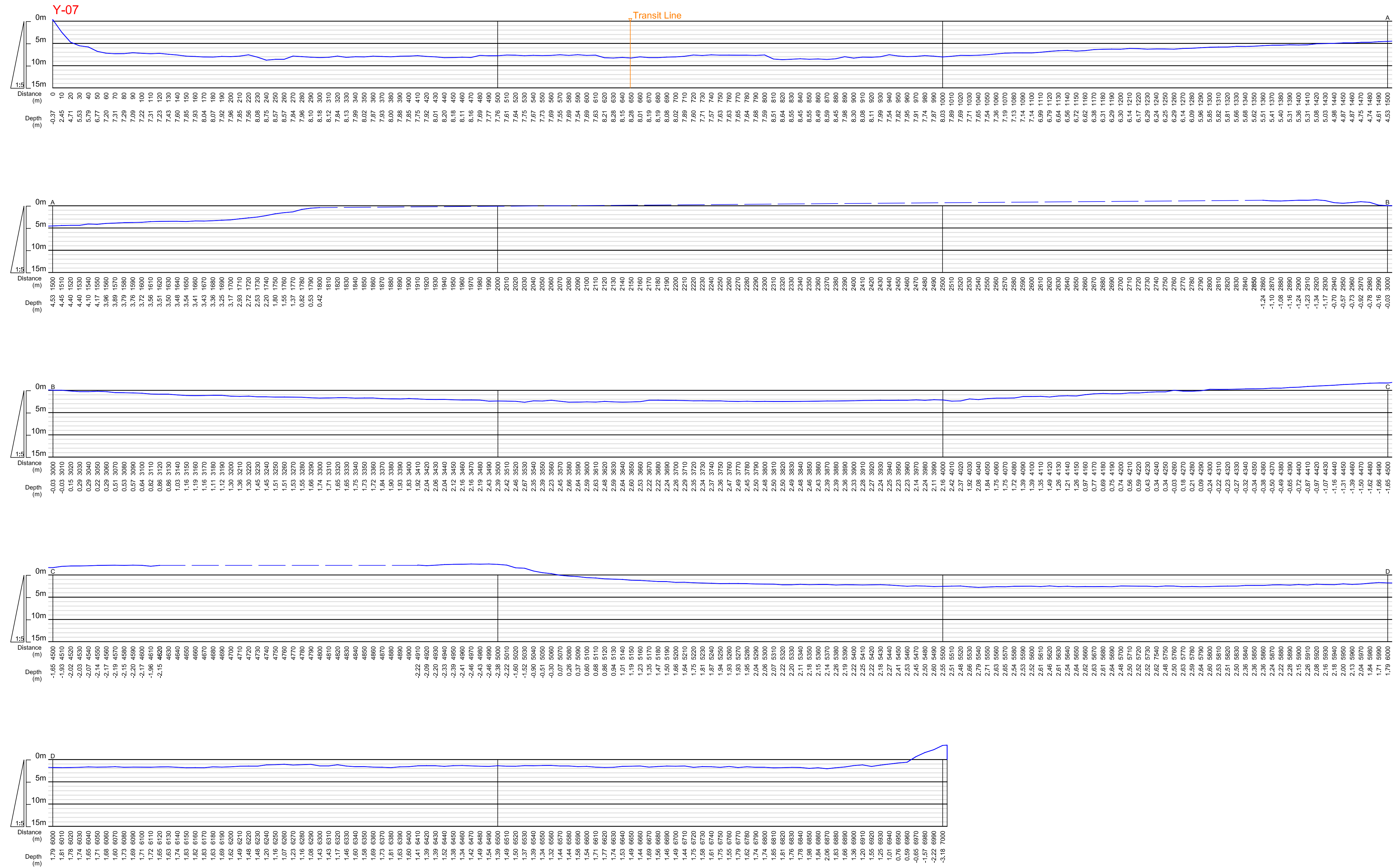
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CONTRACTOR
 ARC GEO SUPPORT CO., LTD.

Project Name: **The Data Collection Survey for Improvement of Navigation Channel of Yangon Port**
 Drawing Title: **Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season**

Projection: **UTM Zone 47 N**
 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-06**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 825 352.44	209 399.47	0
Transit Line	1 825 671.68	210 788.83	640
Left Bank	1 830 956.95	213 602.31	7 005

— Before Rainy Season



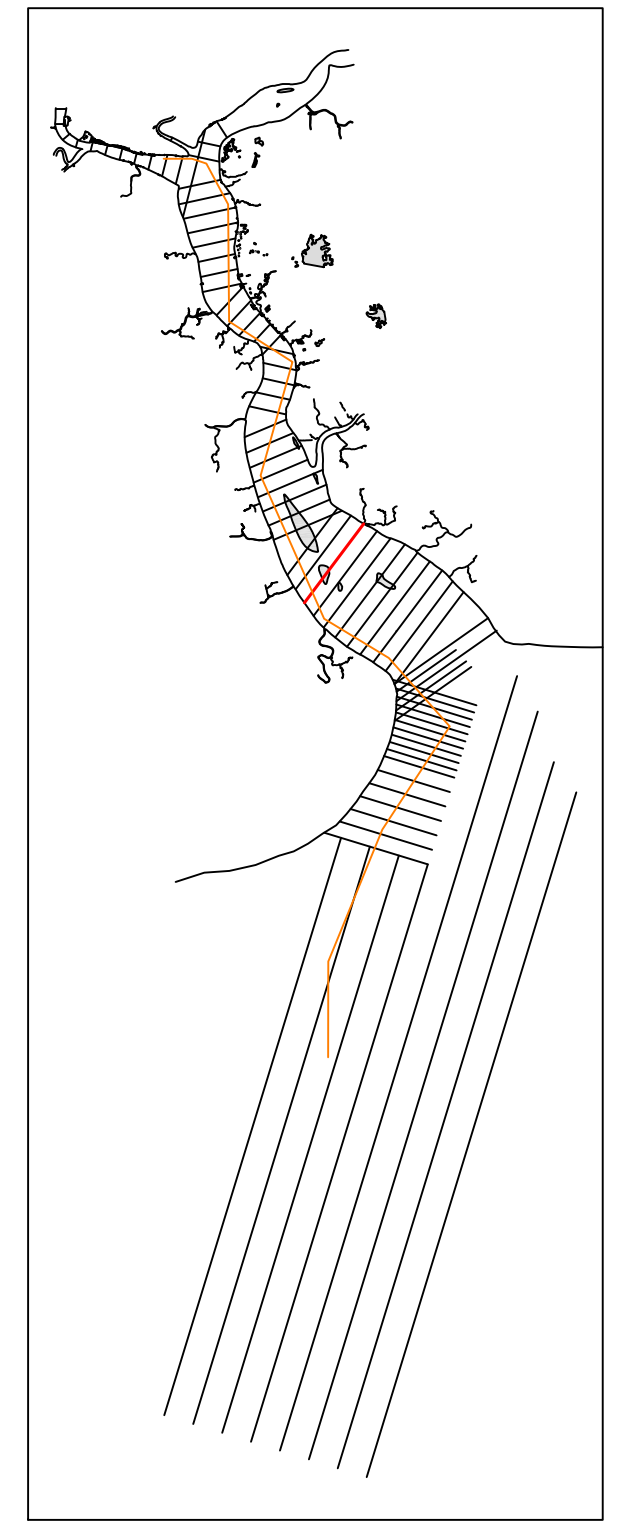
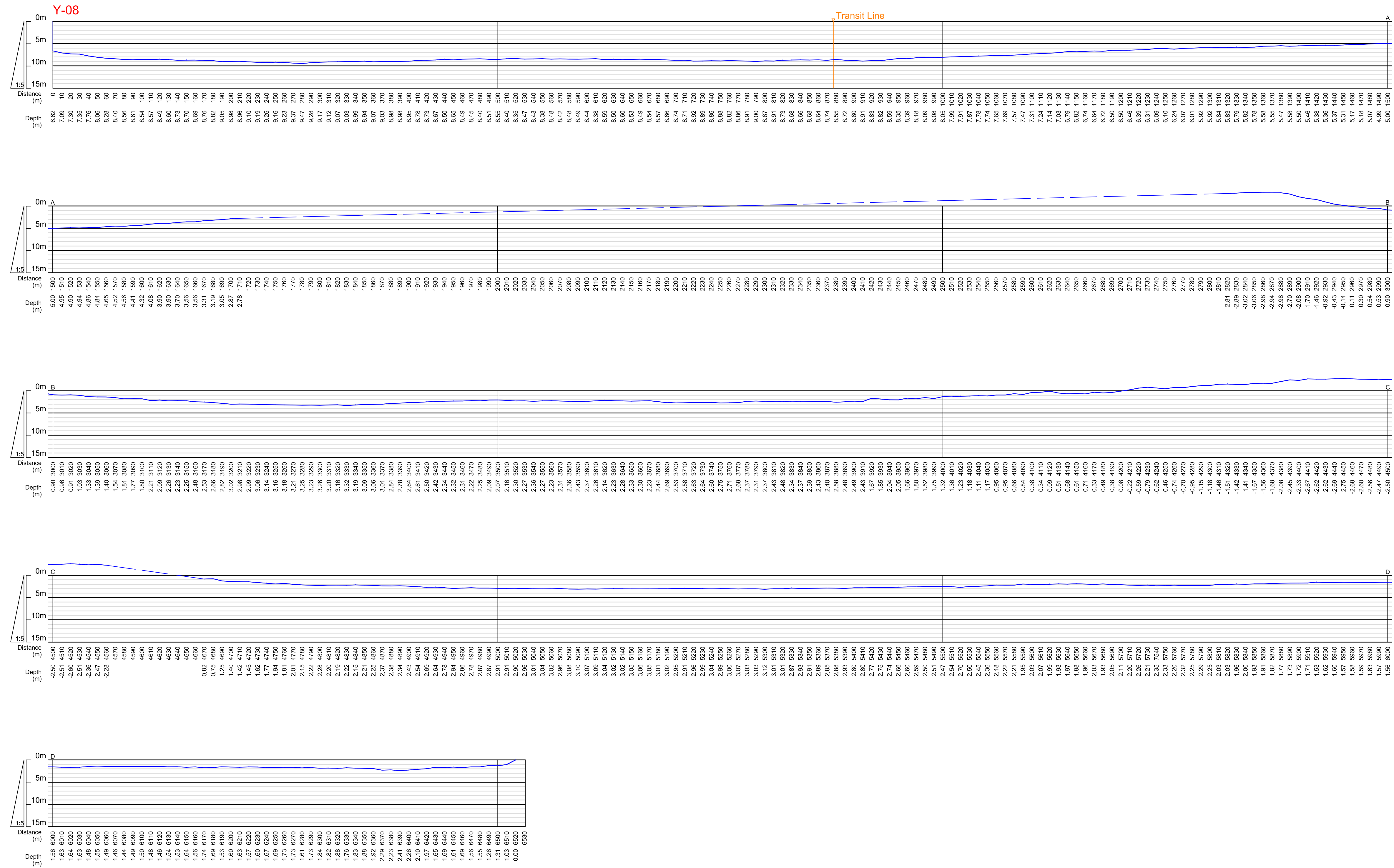
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Project Name: **The Data Collection Survey for Improvement of Navigation Channel of Yangon Port**
 Drawing Title: **Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season**

Projection: **UTM Zone 47 N**
 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-07**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)



Y-08	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 826 216.92	208 797.80	0
Transit Line	1 823 918.22	209 323.71	877
Left Bank	1 831 442.02	212 716.12	6 531

Before Rainy Season



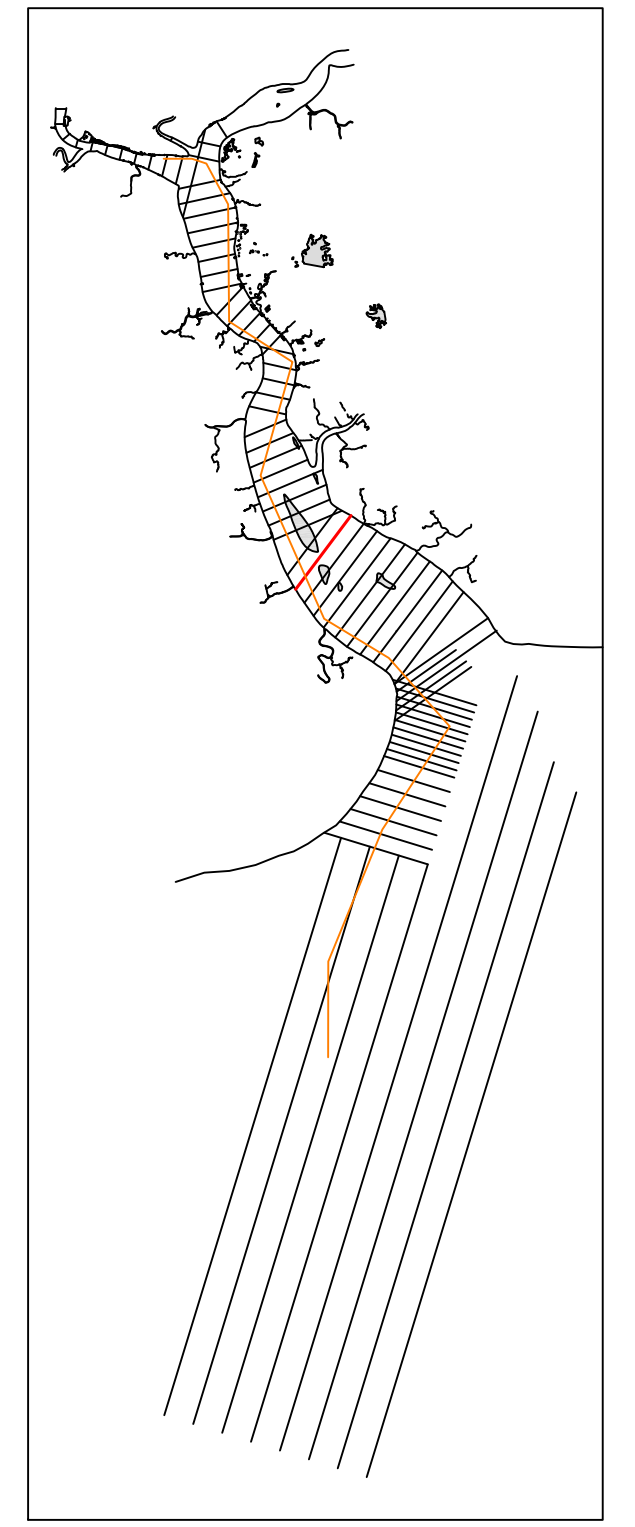
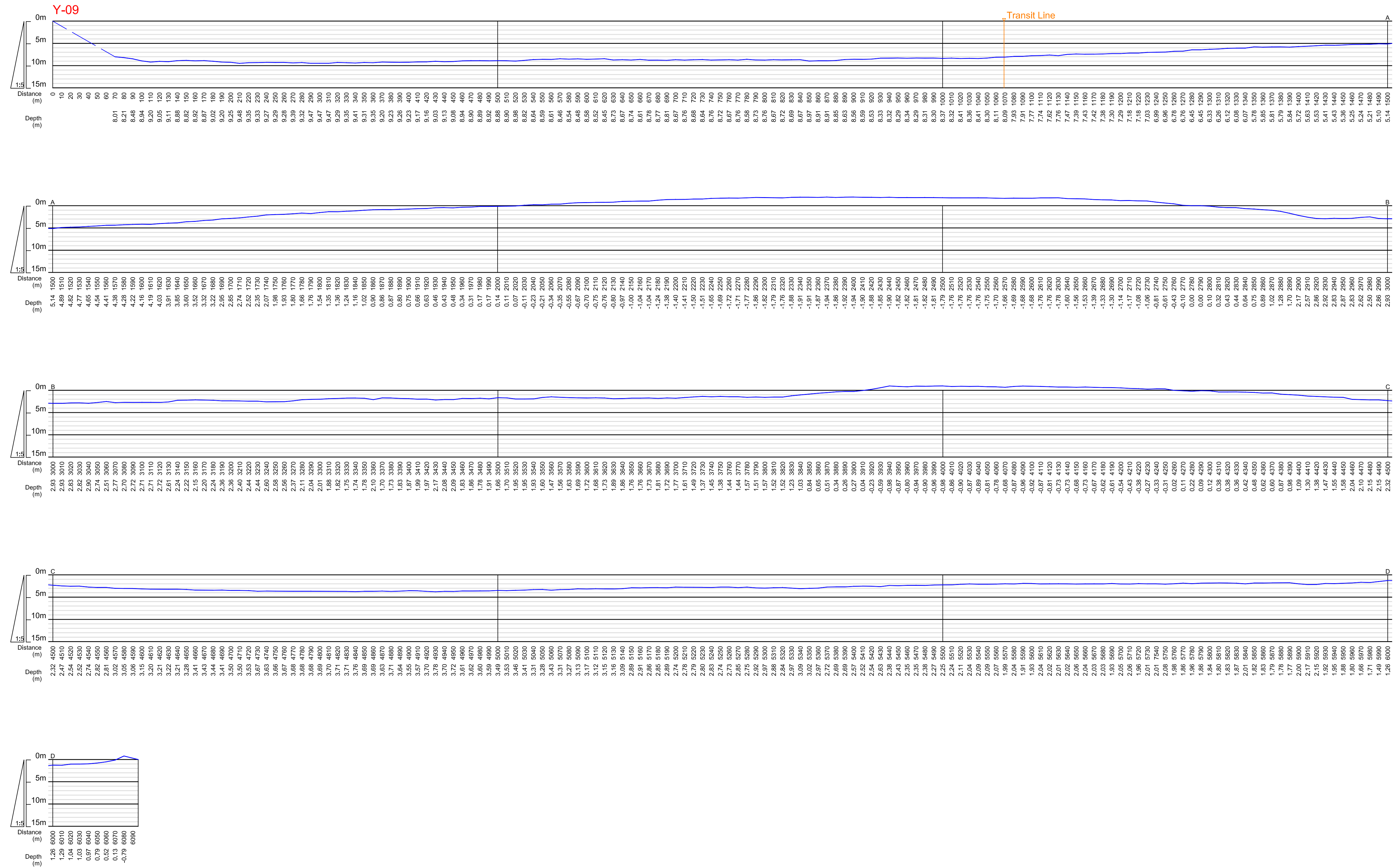
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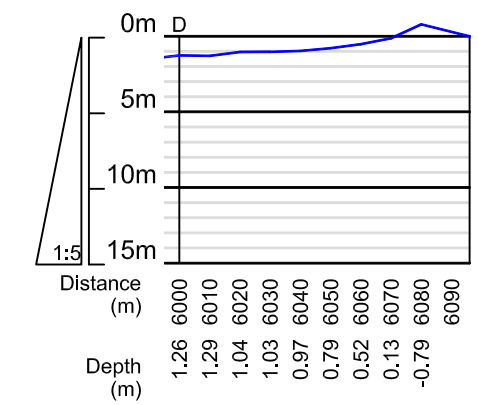
Project Name
 The Data Collection Survey for Improvement of Navigation Channel of Yangon Port
Drawing Title
 Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season

Projection
 UTM Zone 47 N
Ellipsoid
 WGS - 84
Datum Level
 Chart Datum of Yangon Port
Revision
 1.0.0

Date of Survey
 From 06 May 2015 to 07 Jun 2015
Date of Drawing
 03 Aug 2015
Sheet No.
 Y-08
Scale
 H=2,500 V=1/500 (A1 Printing)
 H=5,000 V=1/1,000 (A3 Printing)



Y-09	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 827 109.52	208 217.22	0
Transit Line	1 827 094.79	208 658.59	1 096
Left Bank	1 831 886.55	211 874.52	6 096



Before Rainy Season

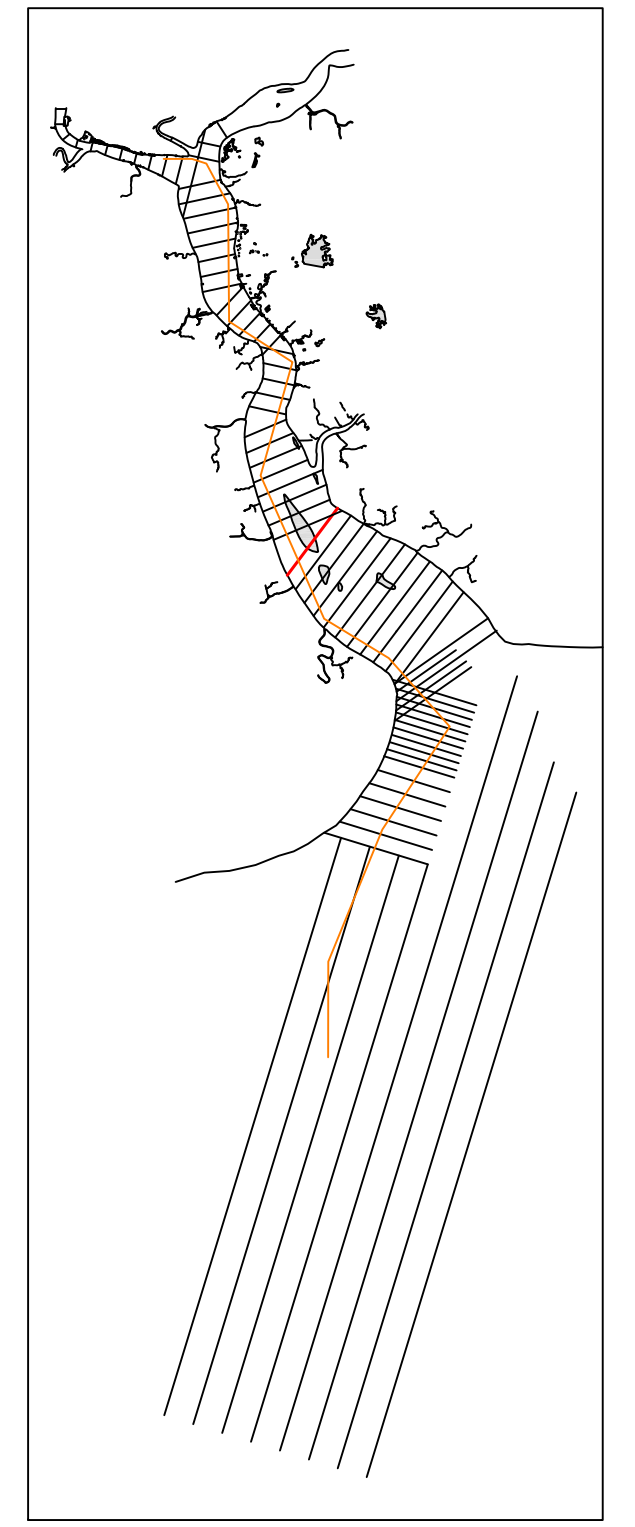
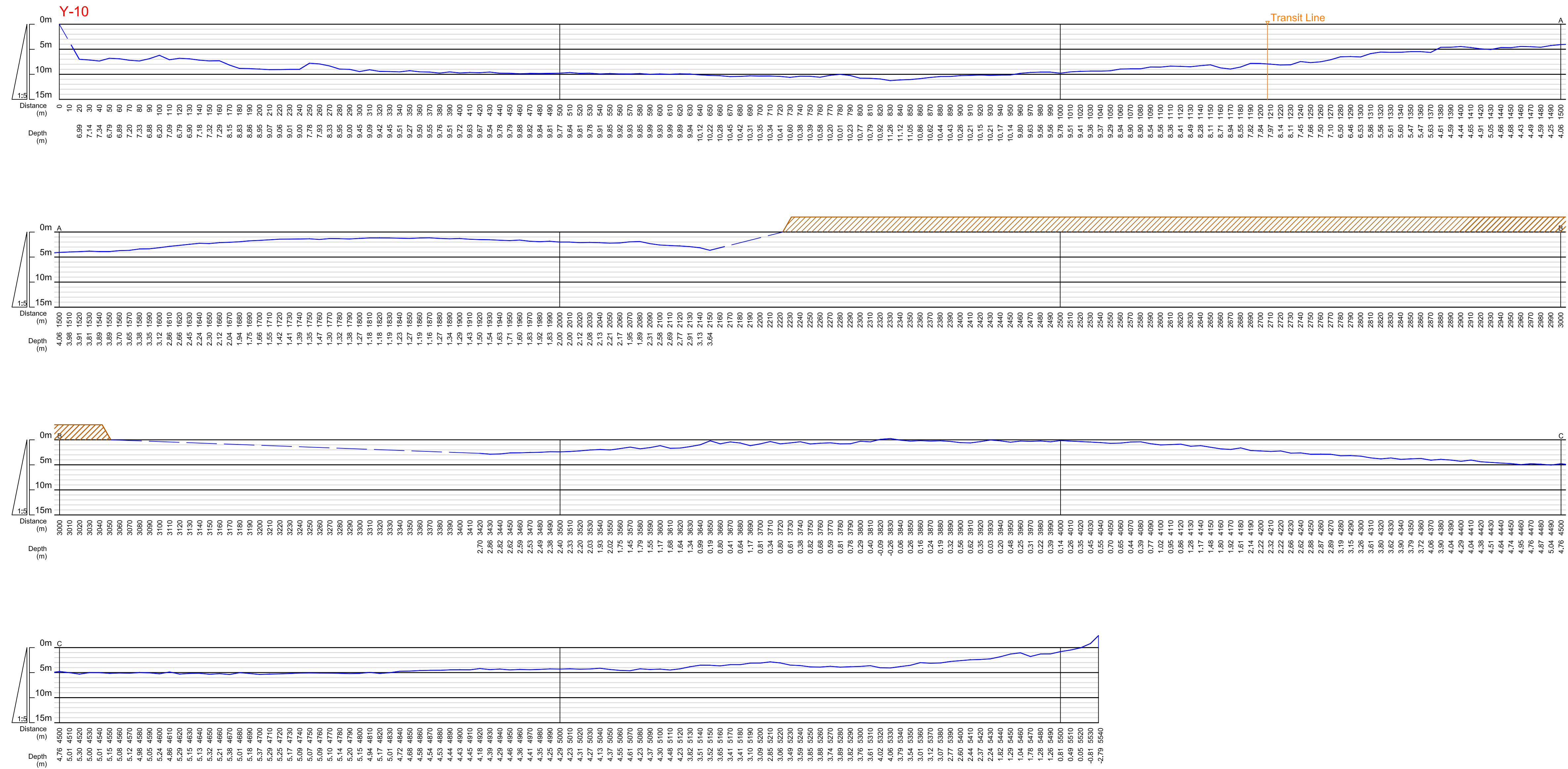


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CONTRACTOR	
	ARC GEO SUPPORT CO., LTD.

Project Name	The Data Collection Survey for Improvement of Navigation Channel of Yangon Port
Drawing Title	Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season

Projection	UTM Zone 47 N	Date of Survey	From 06 May 2015 to 07 Jun 2015
Ellipsoid	WGS - 84	Date of Drawing	03 Aug 2015
Datum Level	Chart Datum of Yangon Port	Sheet No.	Y-09
Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 828 045.93	207 669.50	0
Transit Line	1 829 011.35	208 393.47	1 207
Left Bank	1 832 476.45	210 991.96	5 538

River Island
 Before Rainy Season



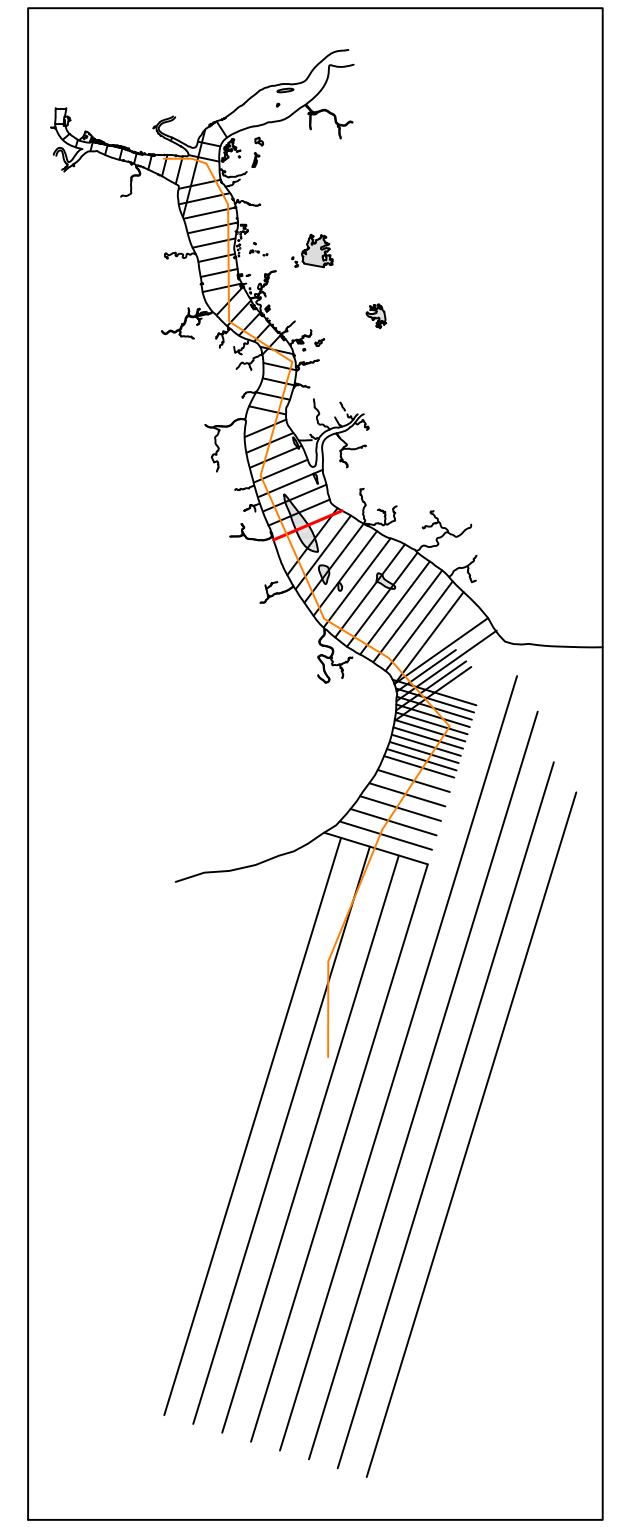
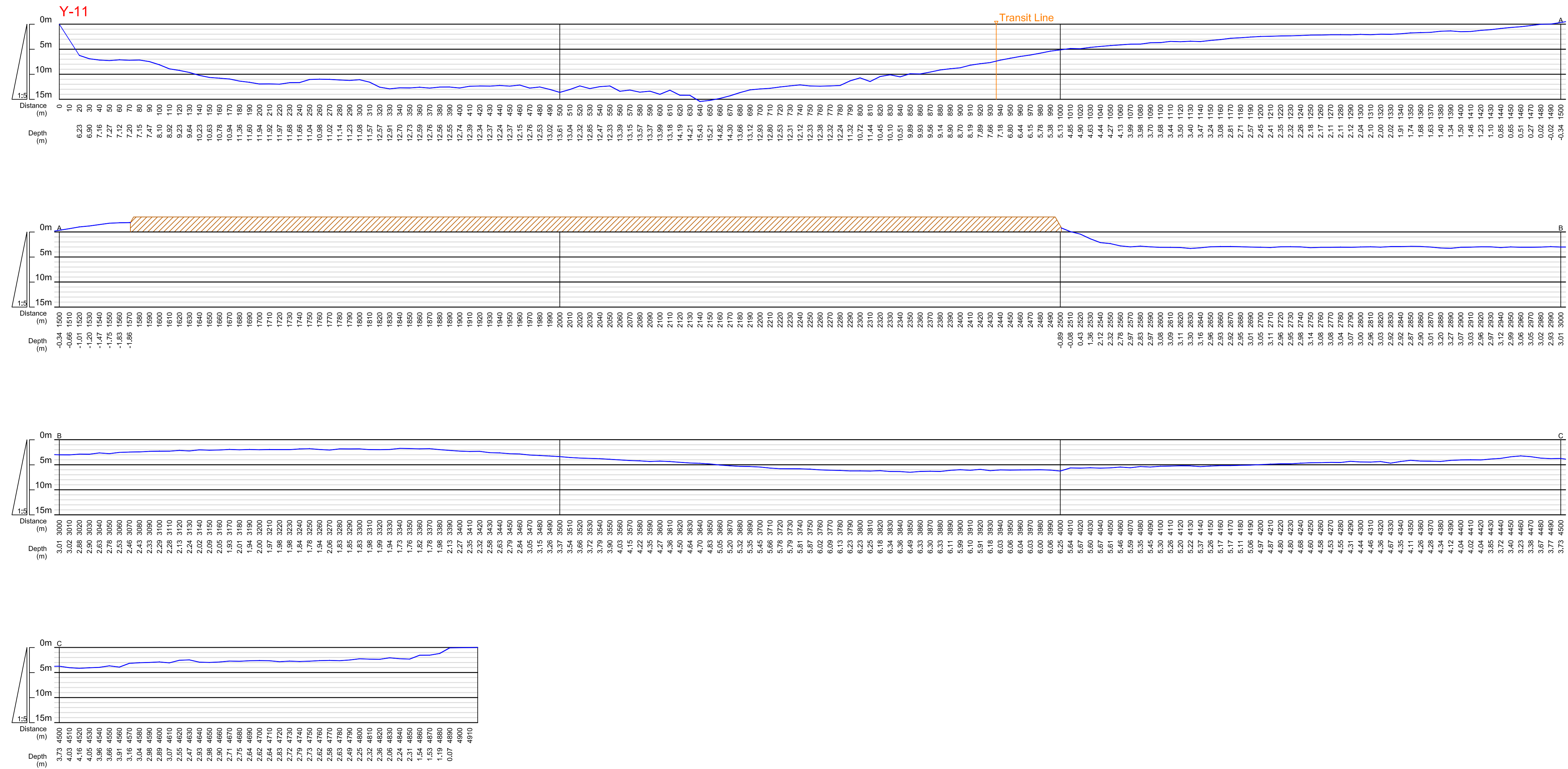
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JICA STUDY TEAM
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CONTRACTOR
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Project Name: **The Data Collection Survey for Improvement of Navigation Channel of Yangon Port**
 Drawing Title: **Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season**

Projection: **UTM Zone 47 N**
 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-10**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 830 381.93	206 760.43	0
Transit Line	1 830 746.82	207 622.16	936
Left Bank	1 832 299.56	211 289.20	4 918

River Island
 Before Rainy Season



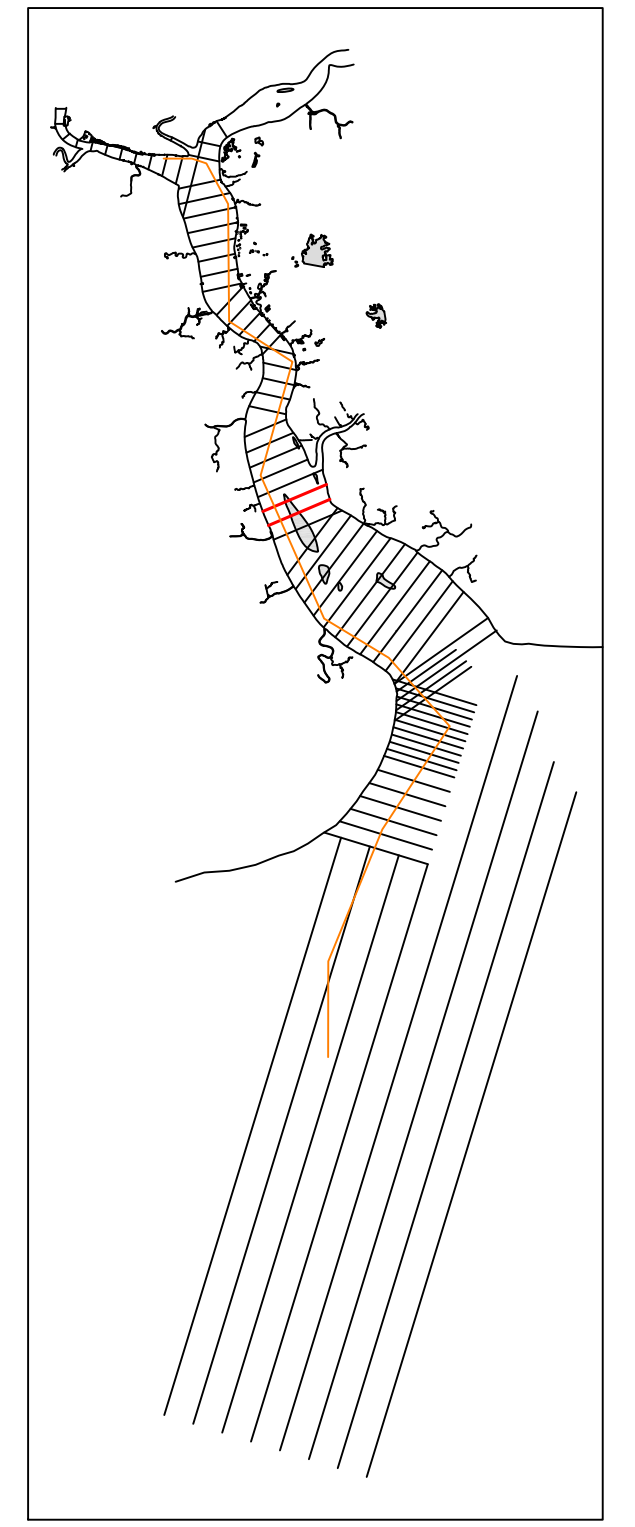
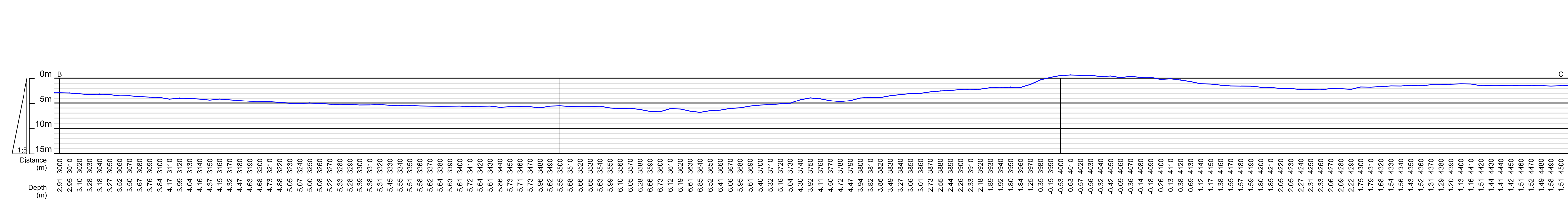
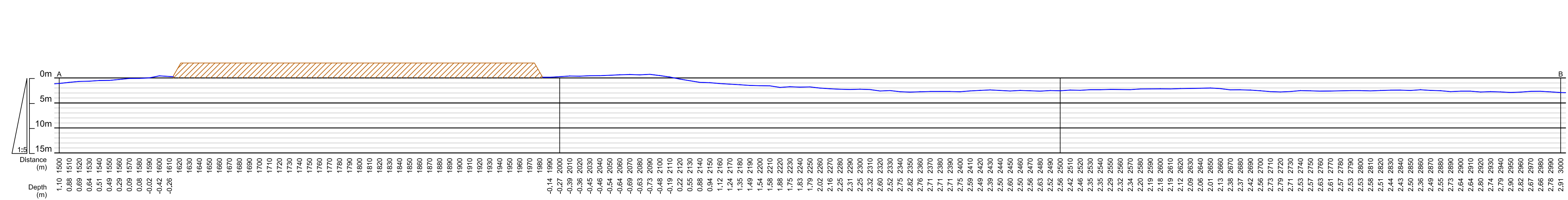
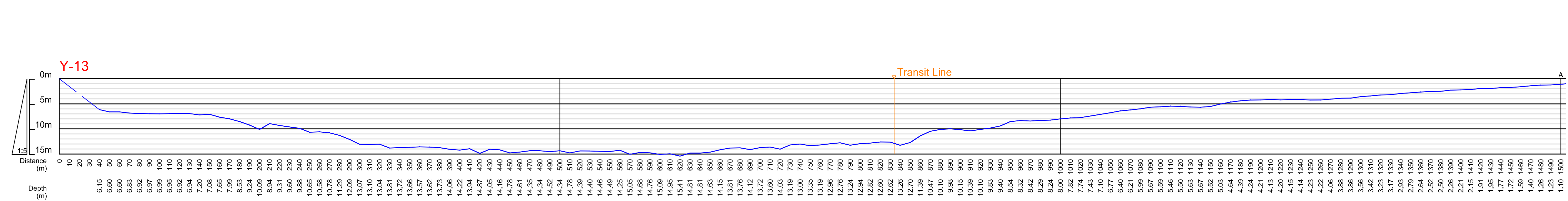
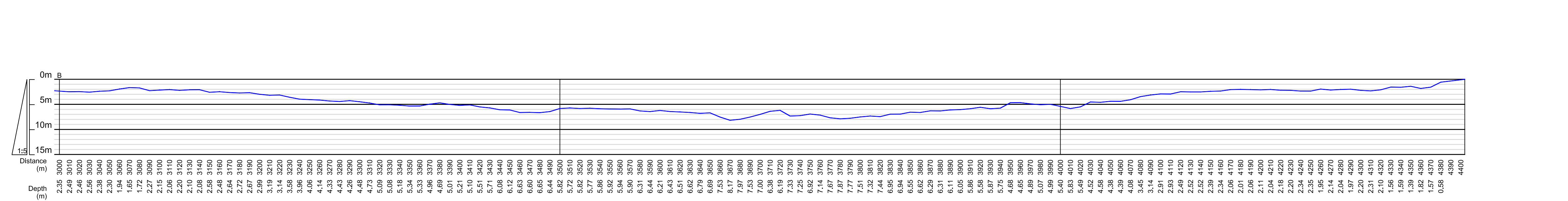
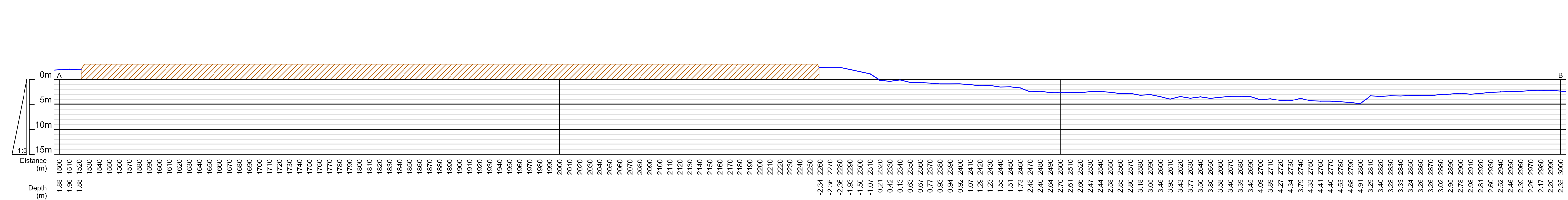
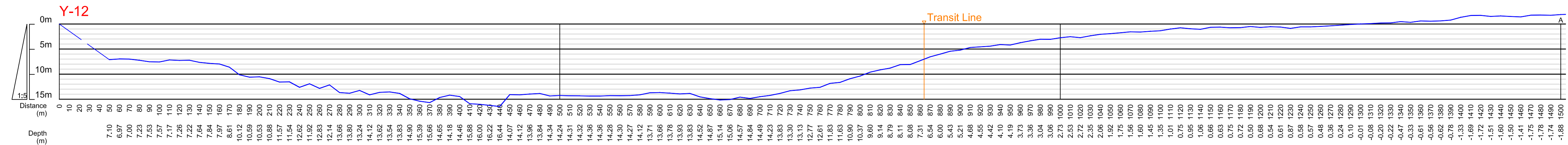
MYANMA PORT AUTHORITY (MPA)
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA STUDY TEAM
 ORIENTAL CONSULTANTS GLOBAL Co., LTD.
 ASIA AIR SURVEY CO., LTD.
CONTRACTOR
 ARC GEO SUPPORT CO., LTD.

Project Name
 The Data Collection Survey for Improvement of Navigation Channel of Yangon Port
Drawing Title
 Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season

Projection
 UTM Zone 47 N
Ellipsoid
 WGS - 84
Datum Level
 Chart Datum of Yangon Port
Revision
 1.0.0

Date of Survey
 From 06 May 2015 to 07 Jun 2015
Date of Drawing
 03 Aug 2015
Sheet No.
 Y-11
Scale
 H=2,500 V=1/500 (A1 Printing)
 H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,831,324.99	206,420.83	0
Transit Line	1,831,680.79	207,216.00	864
Left Bank	1,833,041.33	210,476.37	4,404

	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,832,249.49	206,041.68	0
Transit Line	1,832,574.75	206,809.81	834
Left Bank	1,834,033.64	210,255.21	4,576

River Island
 Before Rainy Season



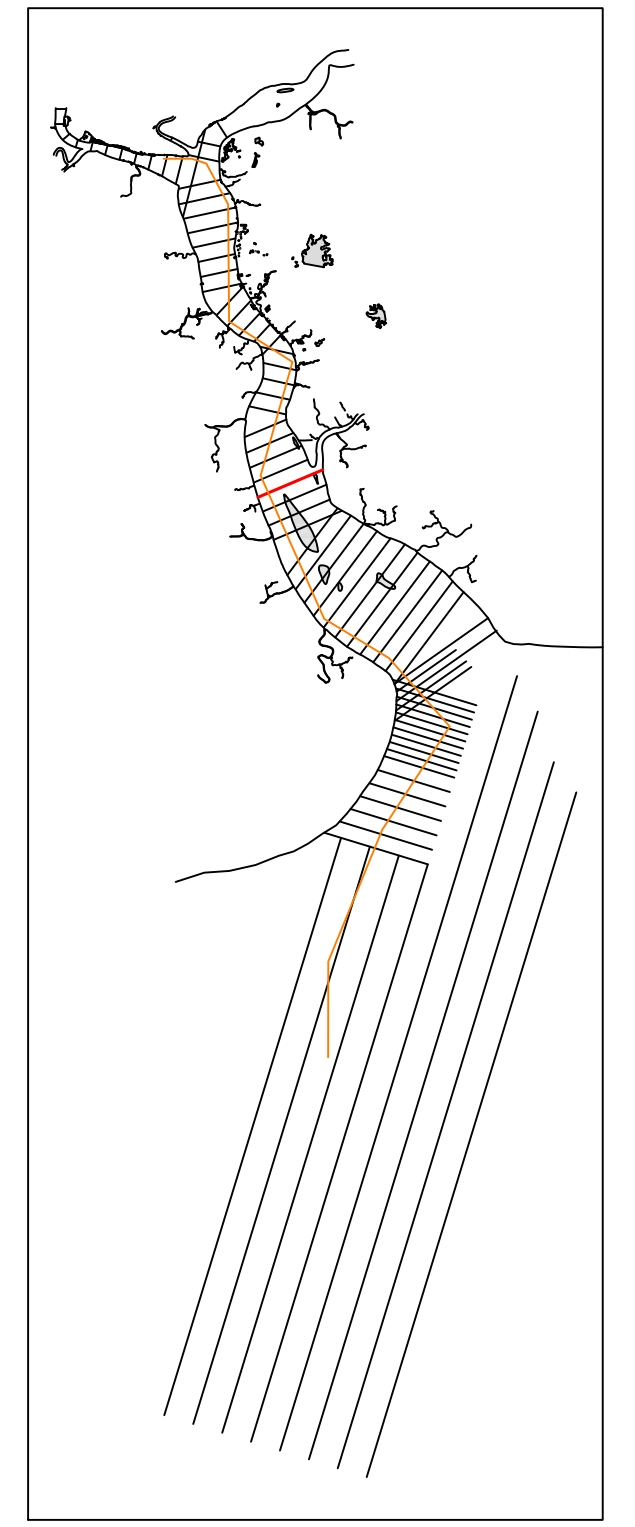
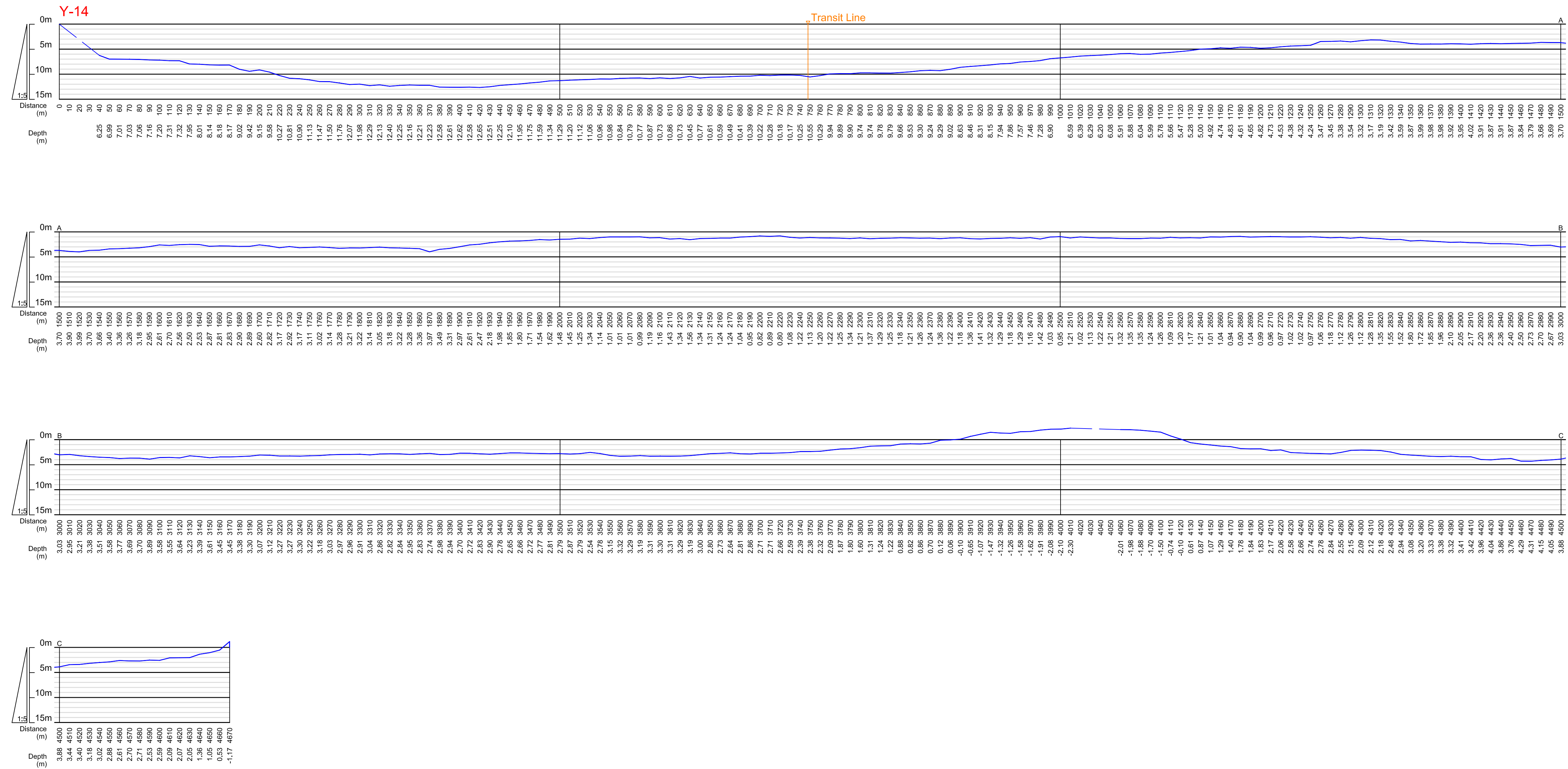
MYANMA PORT AUTHORITY (MPA)
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

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Projection
UTM Zone 47 N
 Ellipsoid
WGS - 84
 Datum Level
Chart Datum of Yangon Port
 Revision
1.0.0

Date of Survey
From 06 May 2015 to 07 Jun 2015
 Date of Drawing
03 Aug 2015
 Sheet No.
Y-12, Y-13
 Scale
**H=2,500 V=1/500 (A1 Printing)
 H=5,000 V=1/1,000 (A3 Printing)**



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1833.196.90	205.714.47	0
Transit Line	1833.488.71	208.403.62	748
Left Bank	1835.017.92	210.015.11	4.670

Before Rainy Season



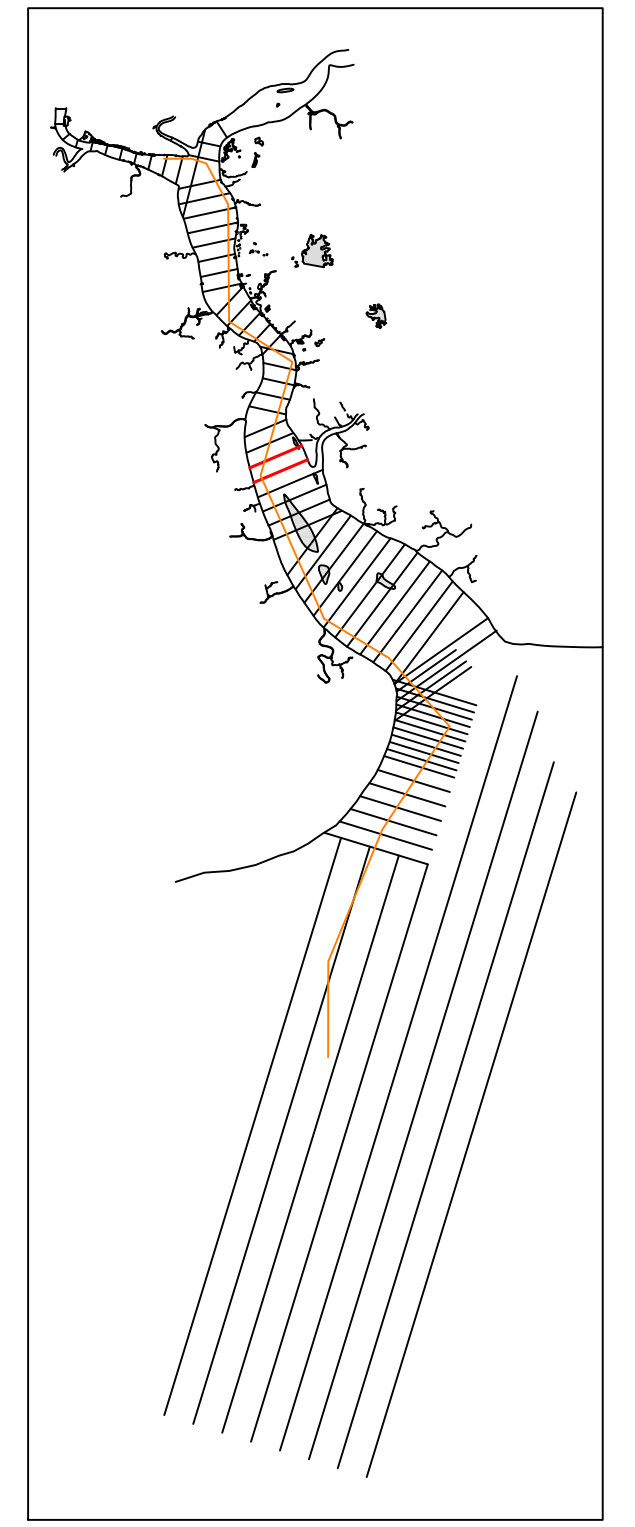
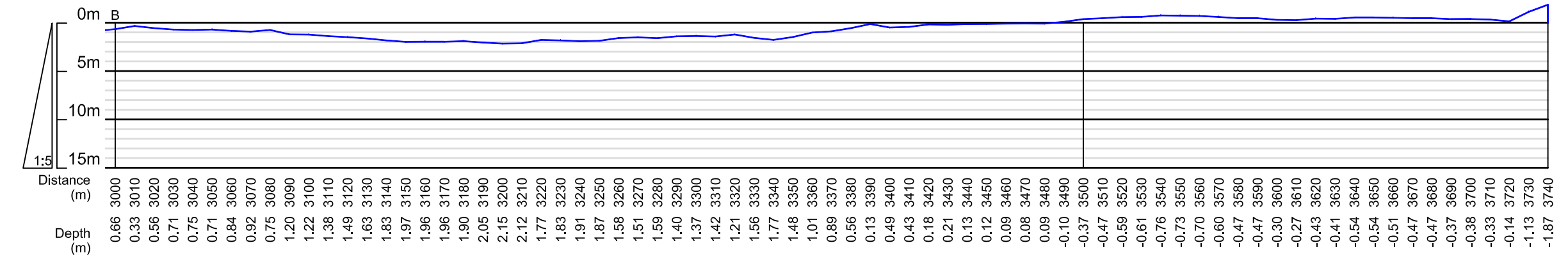
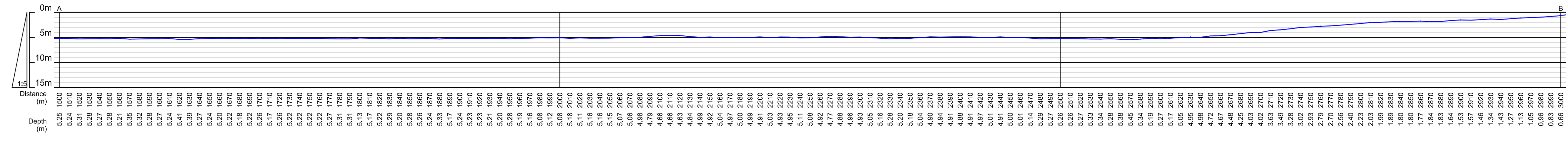
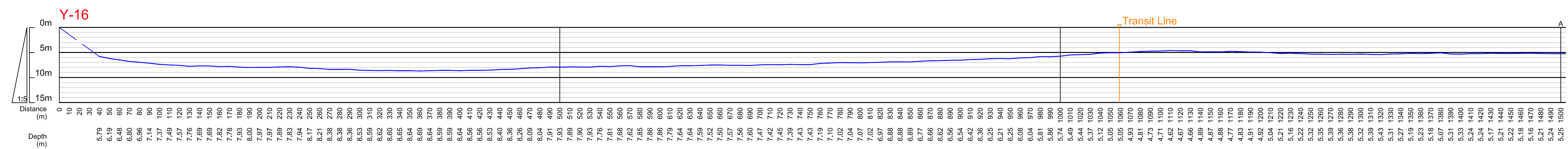
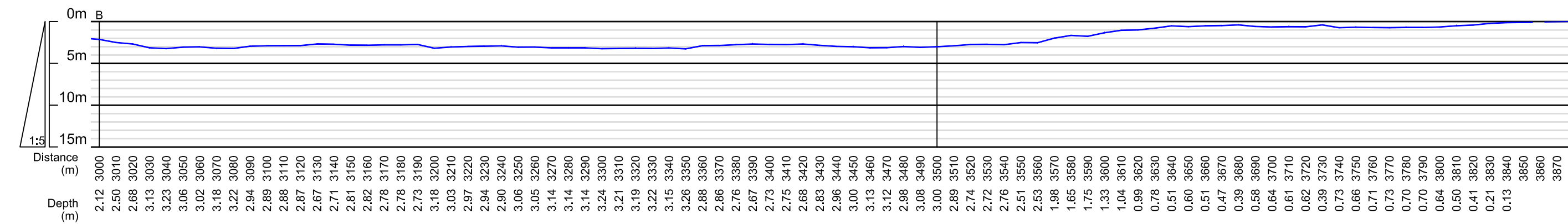
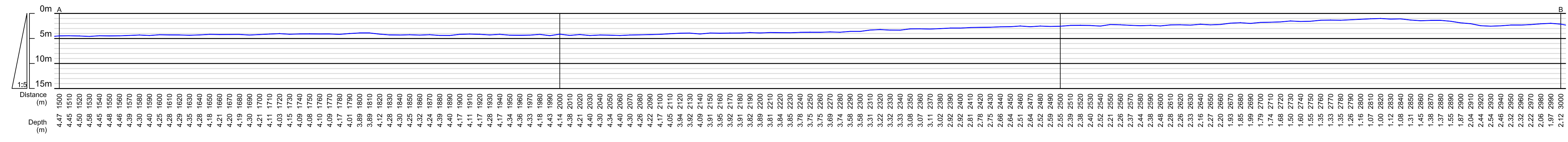
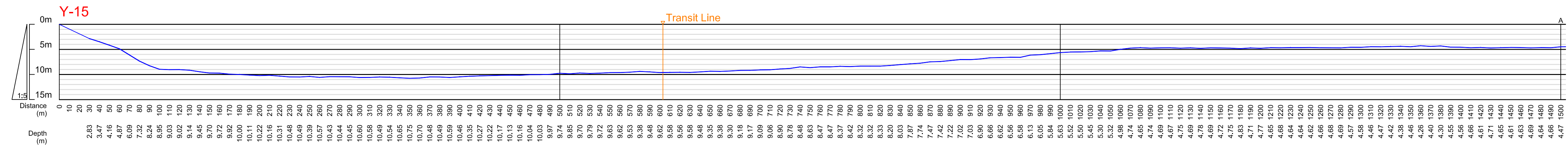
MYANMA PORT AUTHORITY (MPA)
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA STUDY TEAM
 ORIENTAL CONSULTANTS GLOBAL Co., LTD.
 ASIA AIR SURVEY CO., LTD.
CONTRACTOR
 ARC GEO SUPPORT CO., LTD.

Project Name
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Drawing Title
 Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season

Projection
 UTM Zone 47 N
Ellipsoid
 WGS - 84
Datum Level
 Chart Datum of Yangon Port
Revision
 1.0.0

Date of Survey
 From 06 May 2015 to 07 Jun 2015
Date of Drawing
 03 Aug 2015
Sheet No.
 Y-14
Scale
 H=2,500 V=1/500 (A1 Printing)
 H=5,000 V=1/1,000 (A3 Printing)



Y-15			
	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,834,167.61	205,442.32	0
Transit Line	1,834,452.67	205,937.44	603
Left Bank	1,835,679.90	209,013.83	3,878

Y-16			
	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,835,141.60	205,177.89	0
Transit Line	1,835,554.35	206,152.68	1,059
Left Bank	1,836,599.75	208,621.54	3,740

Before Rainy Season

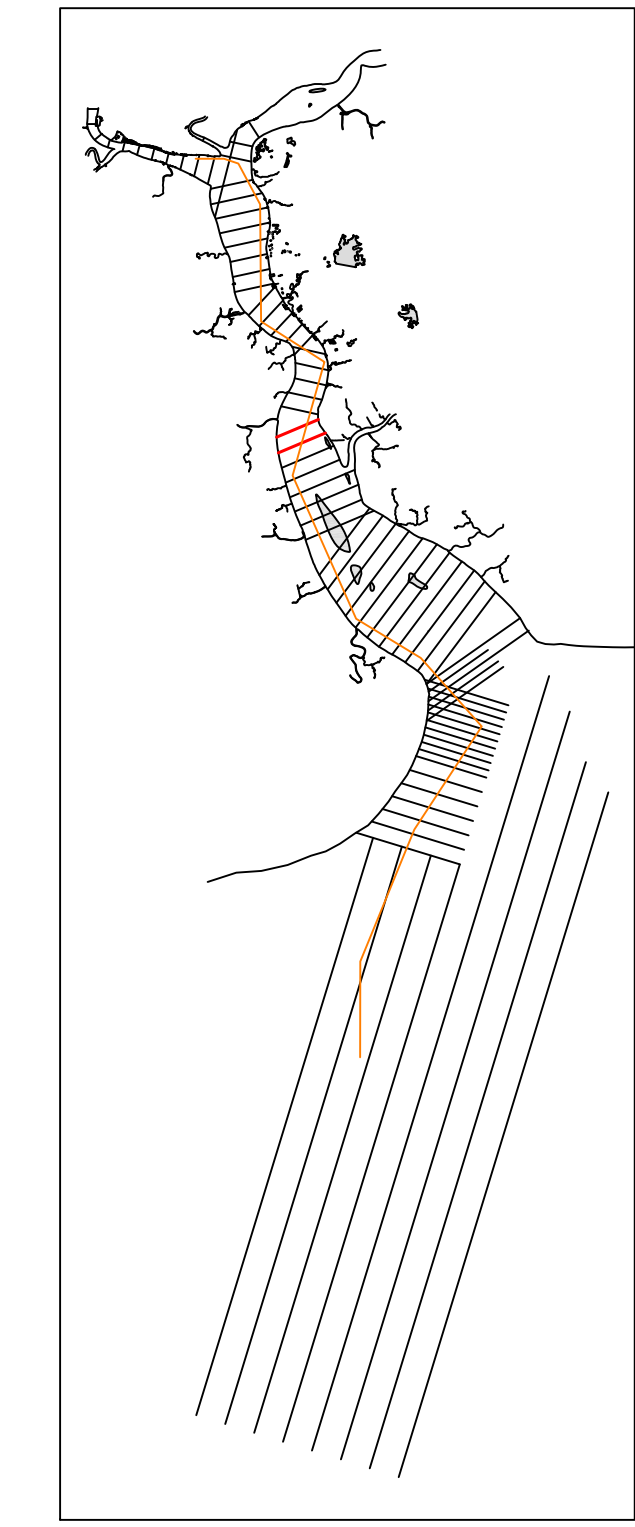
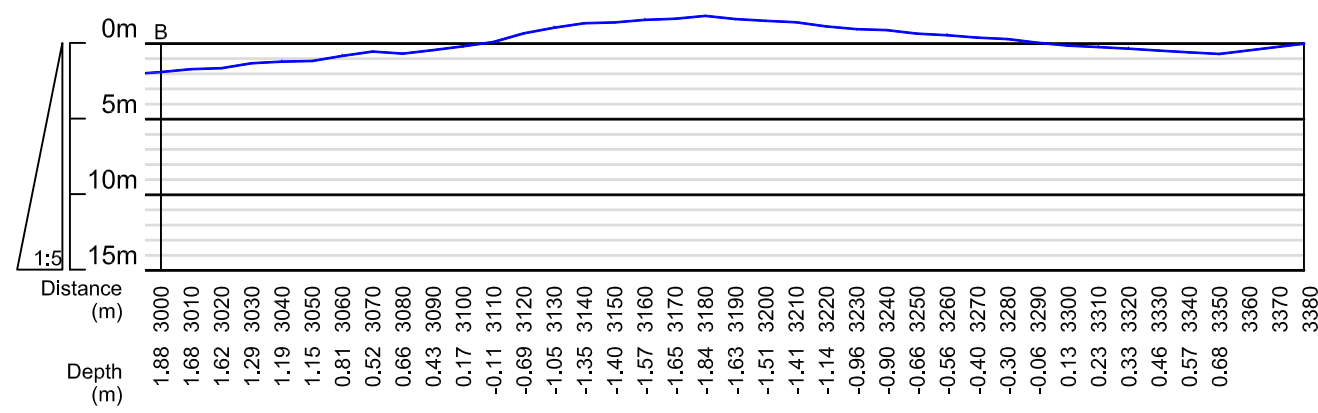
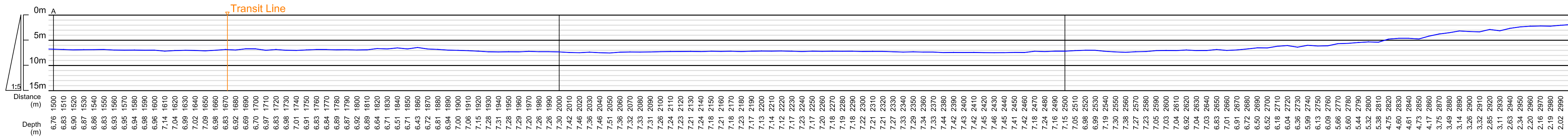
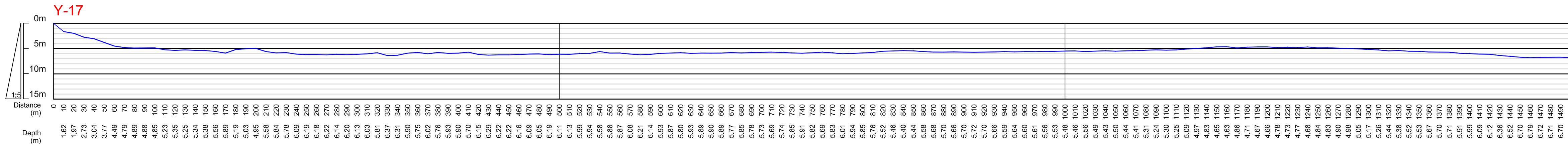


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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA STUDY TEAM	
	ORIENTAL CONSULTANTS GLOBAL Co., LTD.
	ASIA AIR SURVEY CO., LTD.
CONTRACTOR	
	ARC GEO SUPPORT CO., LTD.

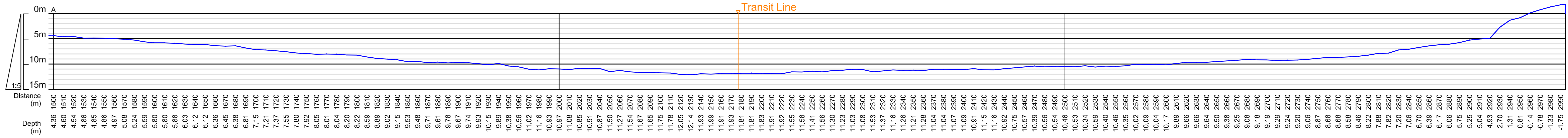
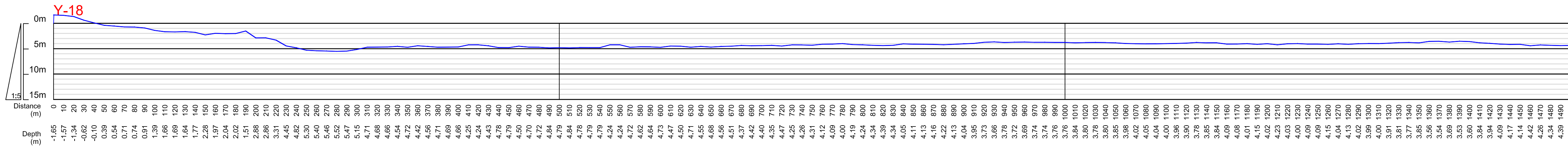
Project Name	
The Data Collection Survey for Improvement of Navigation Channel of Yangon Port	
Drawing Title	
Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season	

Projection	UTM Zone 47 N	Date of Survey	From 06 May 2015 to 07 Jun 2015
Ellipsoid	WGS - 84	Date of Drawing	03 Aug 2015
Datum Level	Chart Datum of Yangon Port	Sheet No.	Y-15, Y-16
Revision	1.0.0	Scale	H=2,500 V=1/1,500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,836,134.96	204,959.23	0
Transit Line	1,838,785.98	206,409.08	1,672
Left Bank	1,837,451.93	208,069.46	3,378

	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,837,170.90	204,841.11	0
Transit Line	1,838,019.62	206,845.48	2,177
Left Bank	1,838,338.78	207,599.23	2,995



— Before Rainy Season



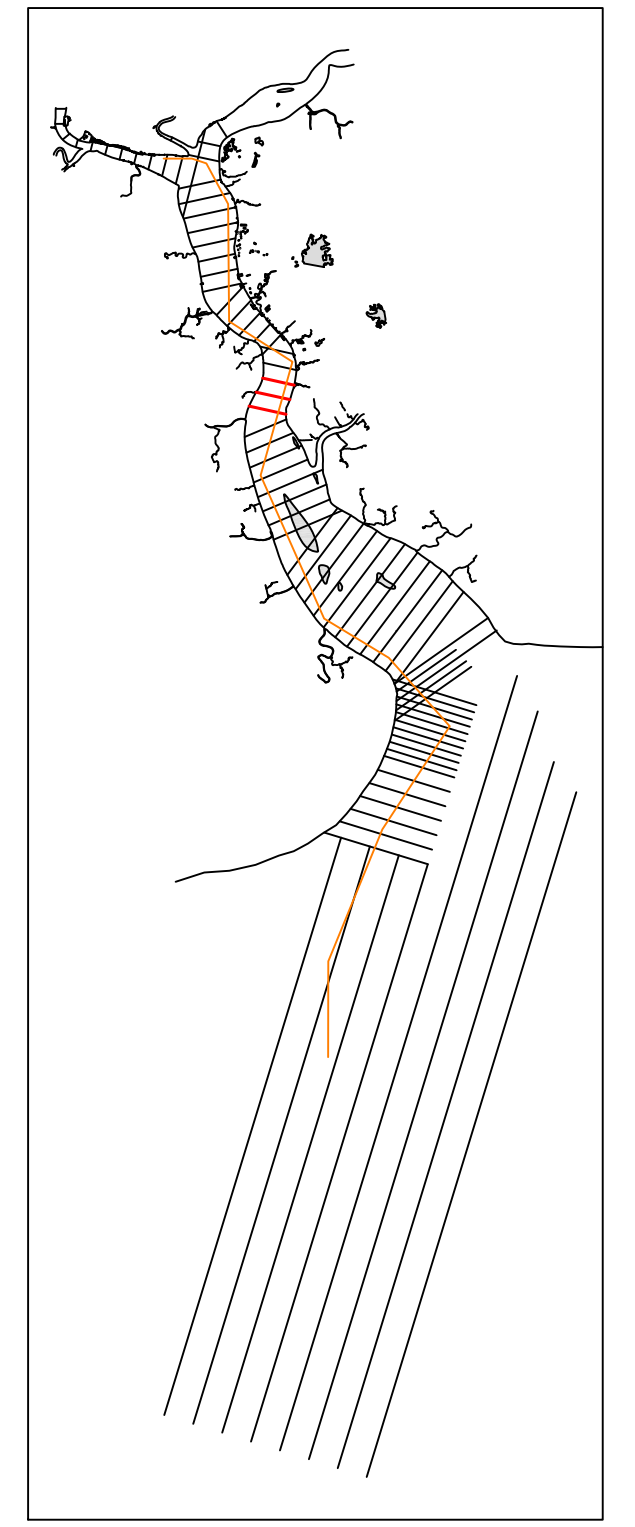
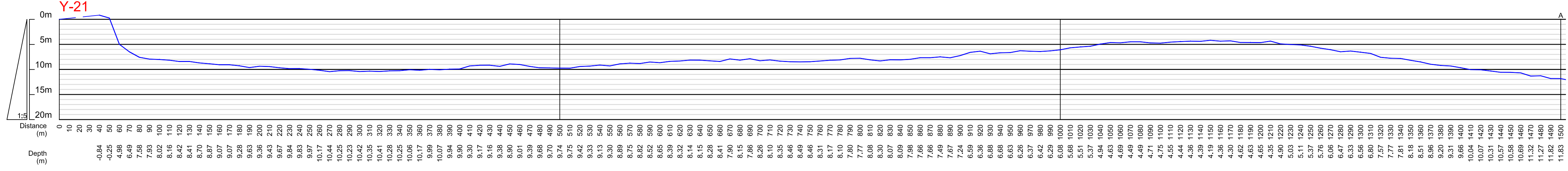
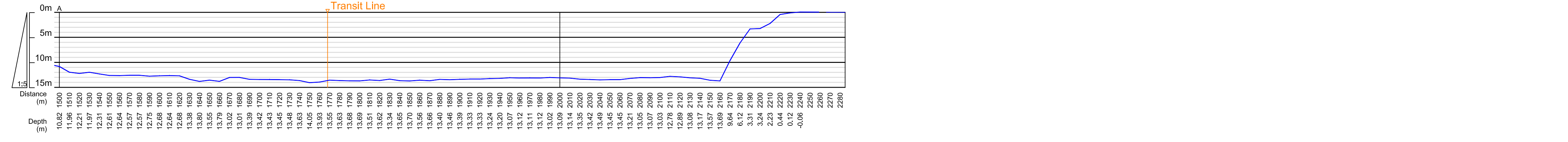
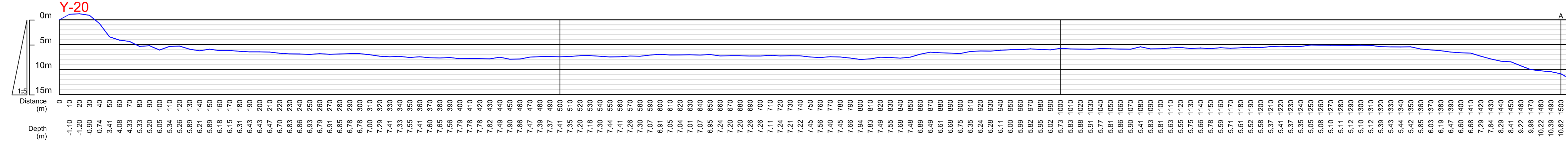
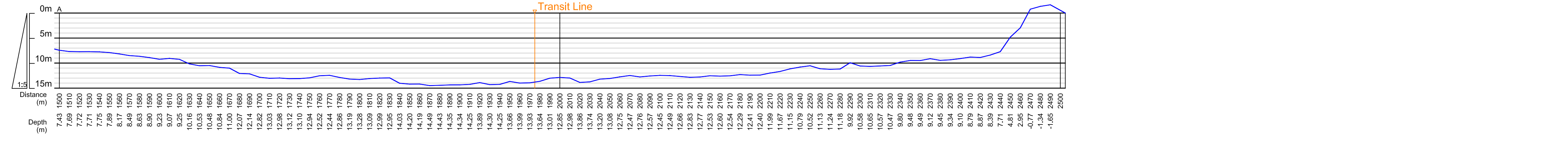
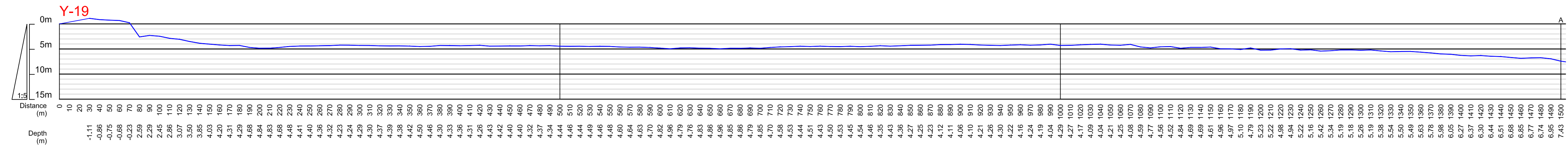
MYANMA PORT AUTHORITY (MPA)
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA STUDY TEAM
 ORIENTAL CONSULTANTS GLOBAL Co., LTD.
 ASIA AIR SURVEY CO., LTD.
CONTRACTOR
 ARC GEO SUPPORT CO., LTD.

Project Name: **The Data Collection Survey for Improvement of Navigation Channel of Yangon Port**
 Drawing Title: **Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season**

Projection: **UTM Zone 47 N**
 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-17, Y-18**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,839,215.72	205,133.60	0
Transit Line	1,839,791.52	207,062.41	1,975
Left Bank	1,838,677.60	207,580.42	2,505

	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,840,135.52	205,606.94	0
Transit Line	1,839,755.82	207,333.40	1,768
Left Bank	1,839,644.84	207,838.94	2,285

	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,841,064.96	206,036.42	0
Transit Line	1,840,720.12	207,604.39	1,605
Left Bank	1,840,605.79	208,124.24	2,138



MYANMA PORT AUTHORITY (MPA)
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

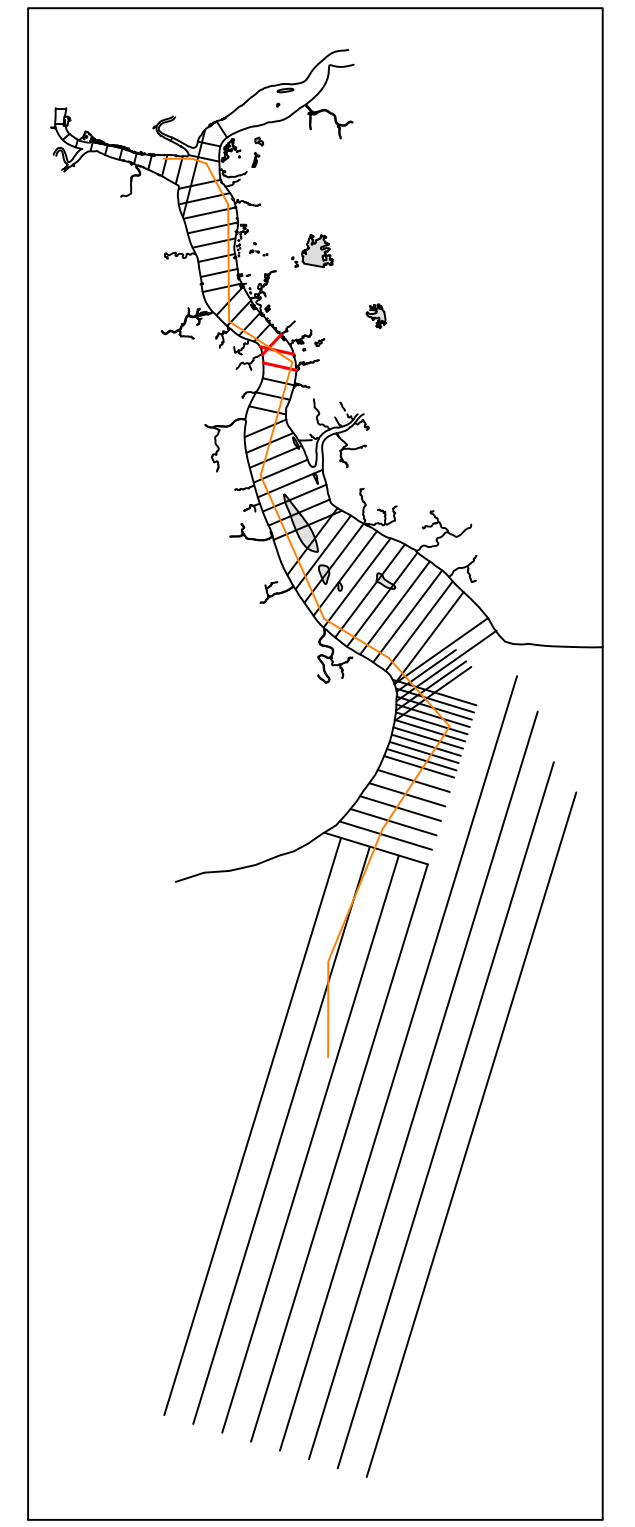
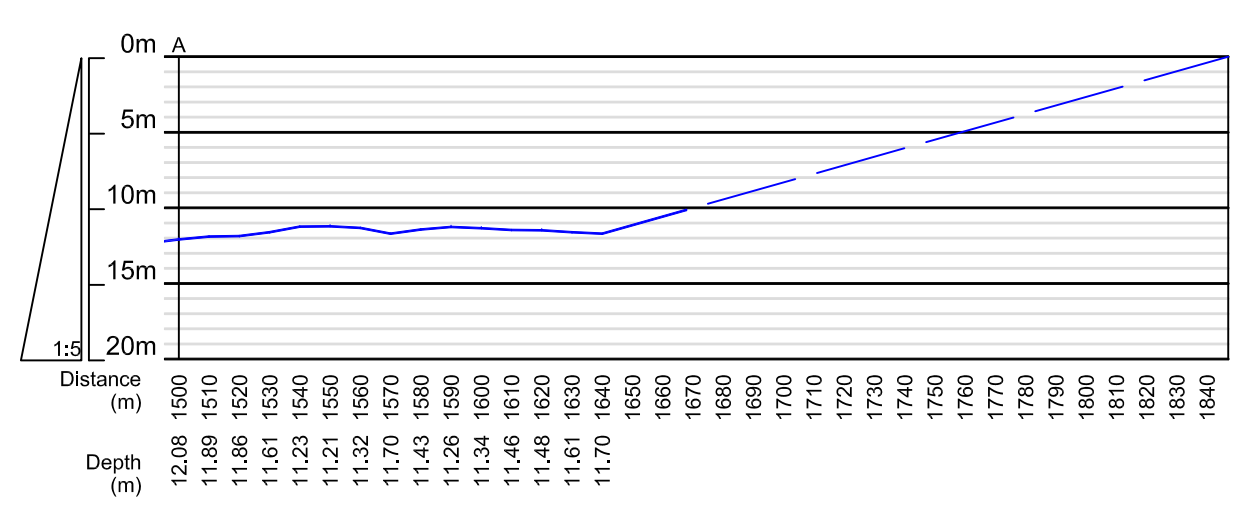
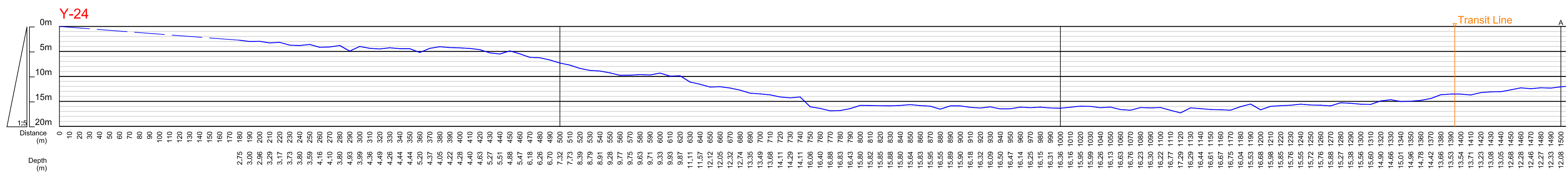
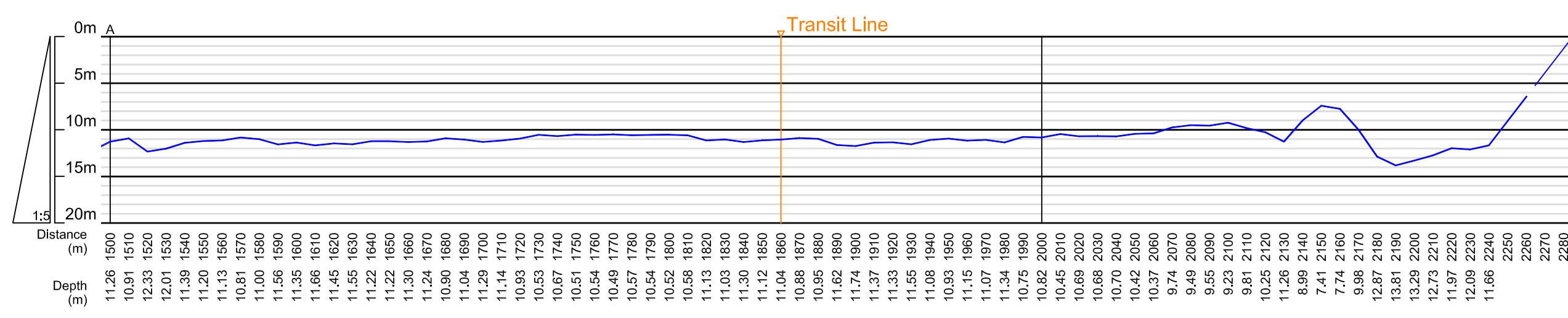
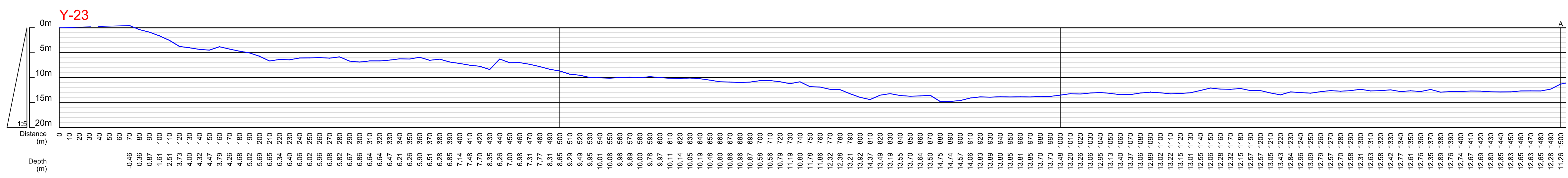
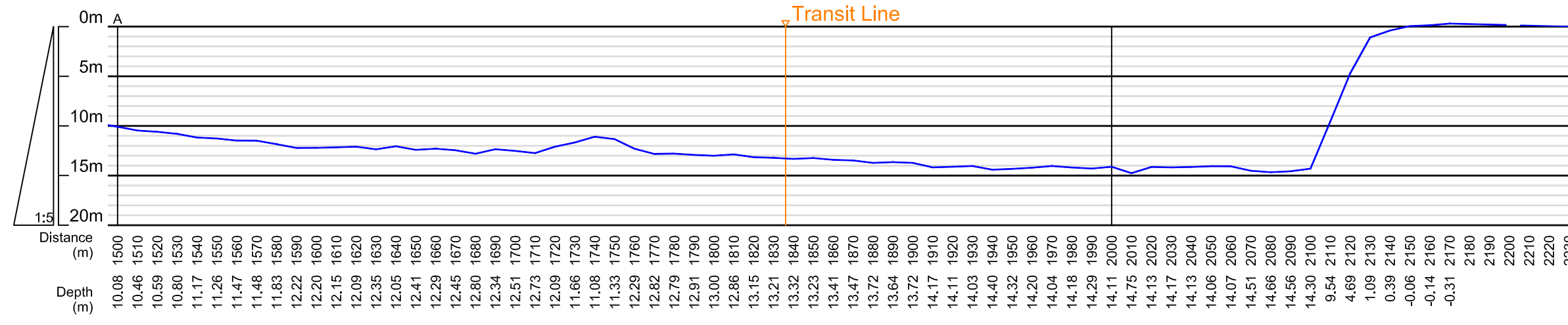
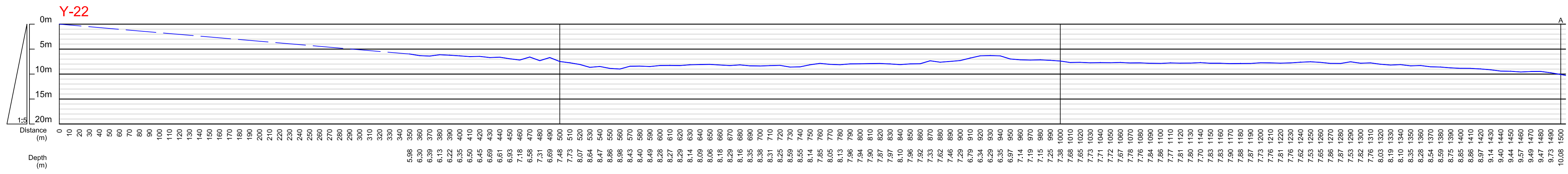
JICA STUDY TEAM
 ORIENTAL CONSULTANTS GLOBAL Co., LTD.
 ASIA AIR SURVEY CO., LTD.
CONTRACTOR
 ARC GEO SUPPORT CO., LTD.

Project Name
 The Data Collection Survey for Improvement of Navigation Channel of Yangon Port
Drawing Title
 Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season

Projection
 UTM Zone 47 N
Ellipsoid
 WGS - 84
Datum Level
 Chart Datum of Yangon Port
Revision
 1.0.0

Date of Survey
 From 06 May 2015 to 07 Jun 2015
Date of Drawing
 03 Aug 2015
Sheet No.
 Y-19, Y-20, Y-21
Scale
 H=2,500 V=1/500 (A1 Printing)
 H=5,000 V=1/1,000 (A3 Printing)

— Before Rainy Season



	Northing(m)	Easting(m)	Distance(m)
Y-22 Right Bank	1 842 078.82	206 082.08	0
Y-22 Transit Line	1 841 684.42	207 875.39	1 836
Y-22 Left Bank	1 841 598.87	208 264.36	2 234
Y-23 Right Bank	1 843 150.74	205 863.72	0
Y-23 Transit Line	1 842 751.22	207 680.34	1 860
Y-23 Left Bank	1 842 659.96	208 095.28	2 285
Y-24 Right Bank	1 842 612.46	206 006.90	0
Y-24 Transit Line	1 843 631.69	206 957.90	1 394
Y-24 Left Bank	1 843 962.57	207 266.62	1 847

Before Rainy Season



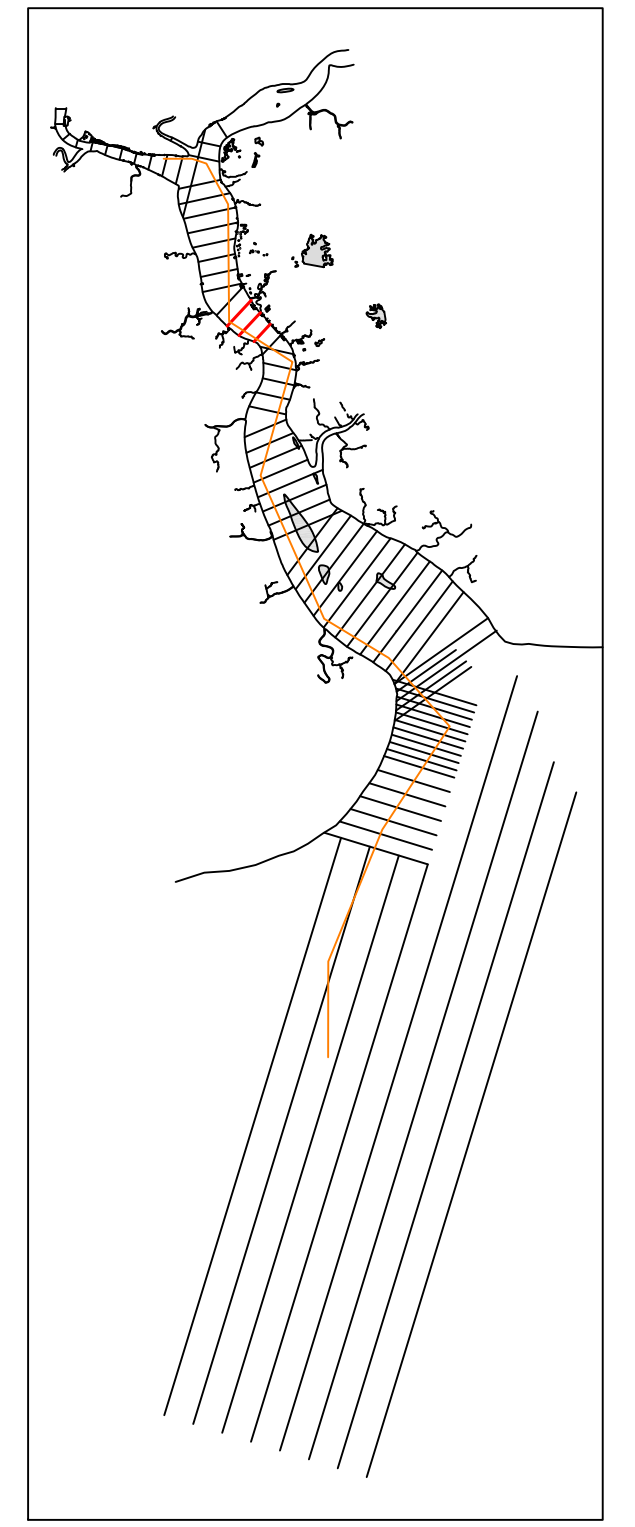
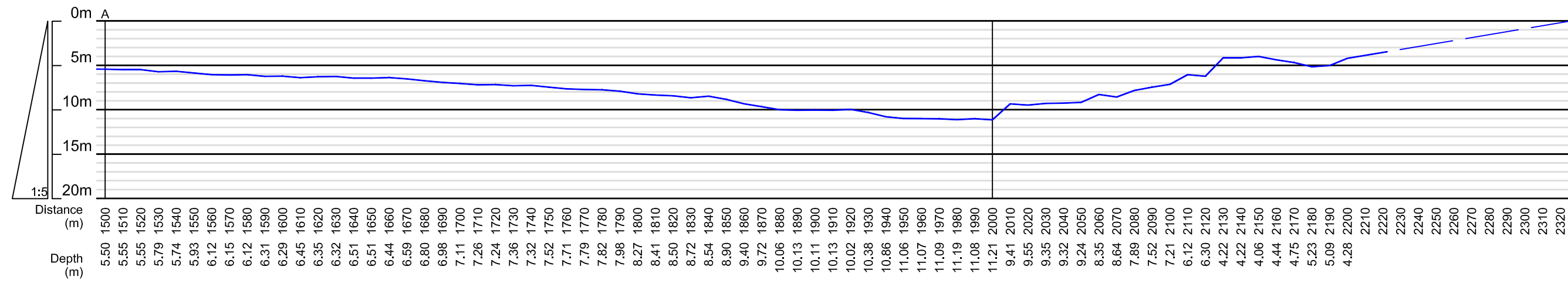
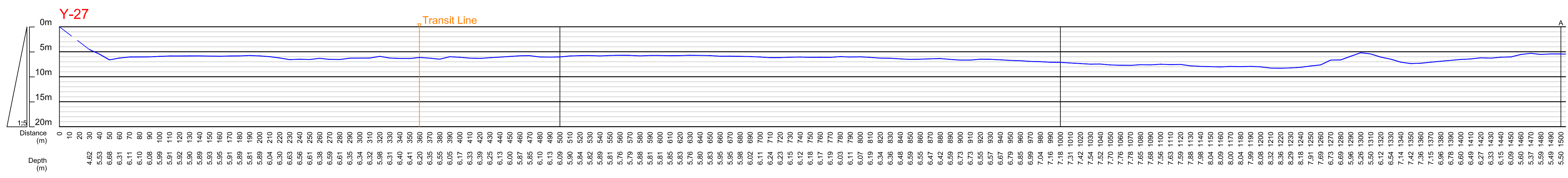
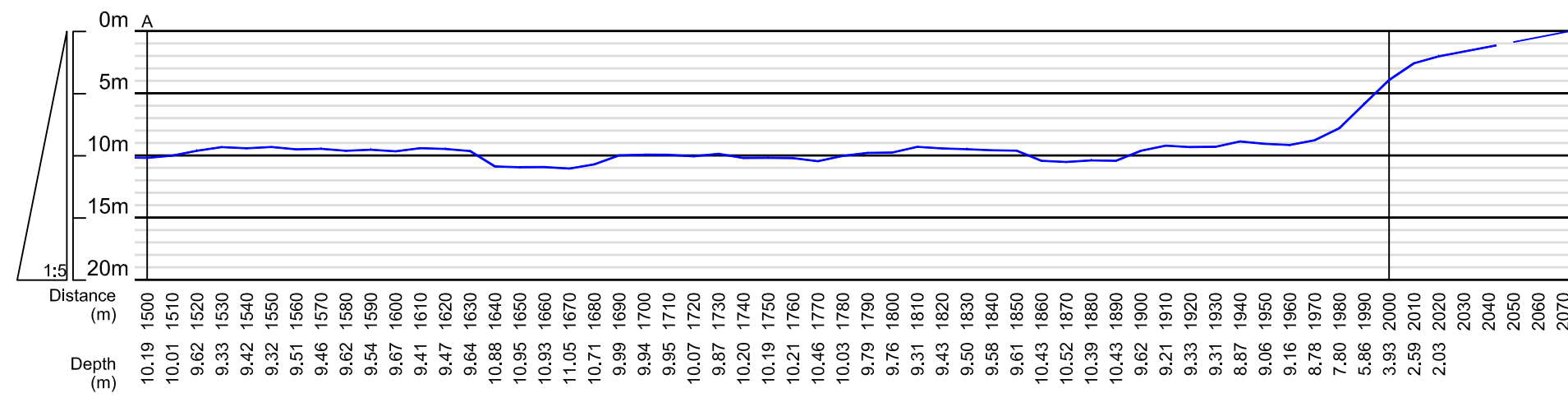
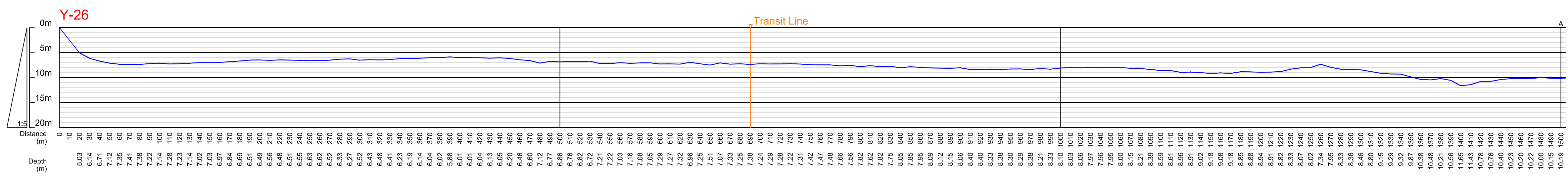
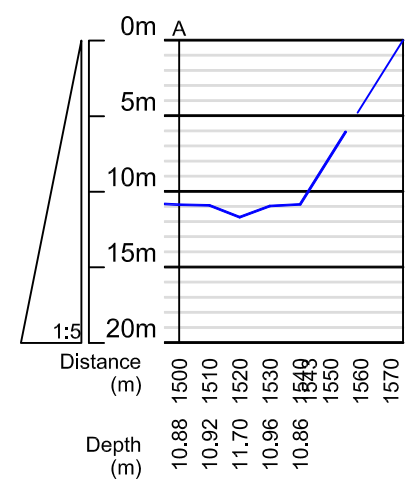
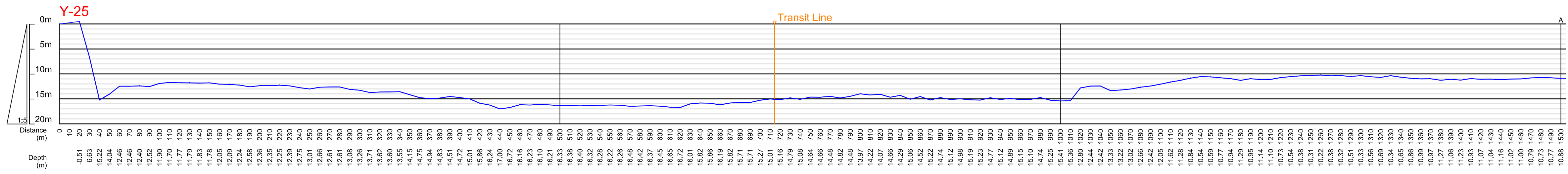
MYANMA PORT AUTHORITY (MPA)
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

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Projection
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Ellipsoid
 WGS - 84
Datum Level
 Chart Datum of Yangon Port
Revision
 1.0.0

Date of Survey
 From 06 May 2015 to 07 Jun 2015
Date of Drawing
 03 Aug 2015
Sheet No.
 Y-22, Y-23, Y-24
Scale
 H=2,500 V=1/500 (A1 Printing)
 H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,843,493.61	205,461.36	0
Transit Line	1,843,668.97	205,948.75	714
Left Bank	1,844,644.09	206,534.83	1,574

	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,843,895.35	204,468.52	0
Transit Line	1,844,400.23	204,939.60	691
Left Bank	1,845,410.72	205,882.44	2,073

	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,844,521.56	203,685.11	0
Transit Line	1,844,784.50	203,930.45	360
Left Bank	1,846,222.53	205,272.21	2,326



MYANMA PORT AUTHORITY (MPA)
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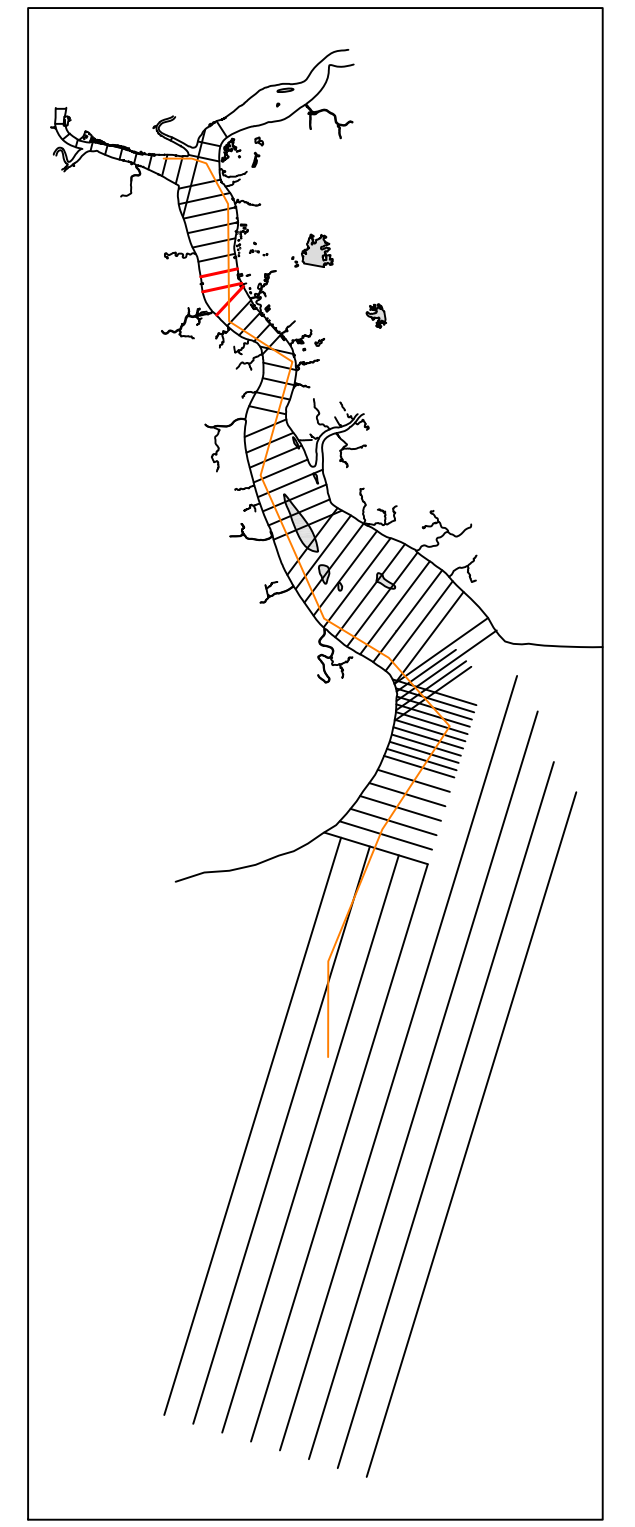
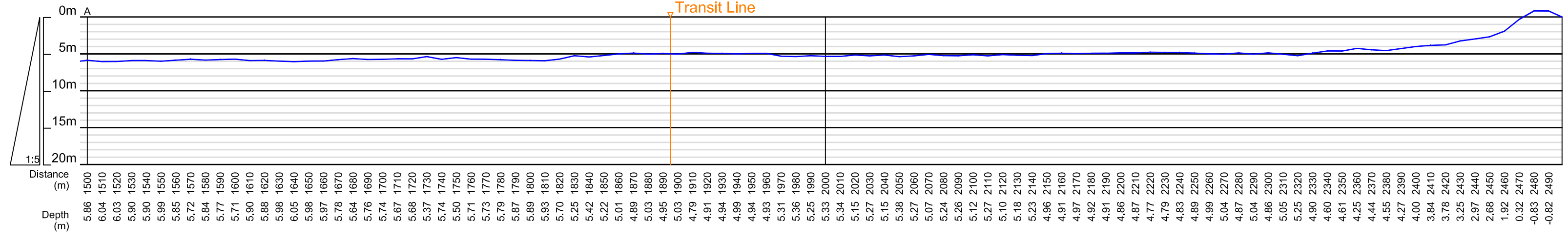
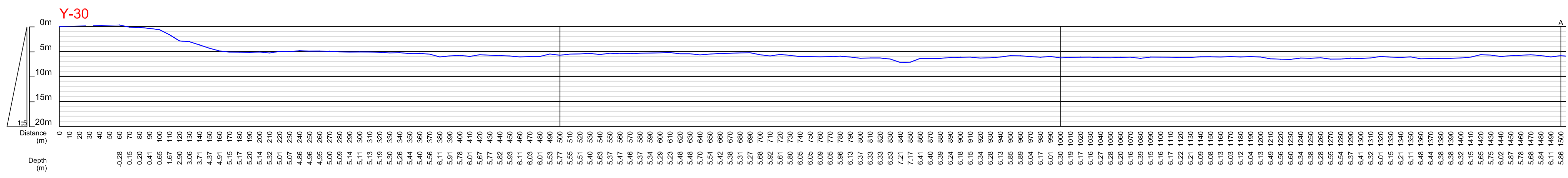
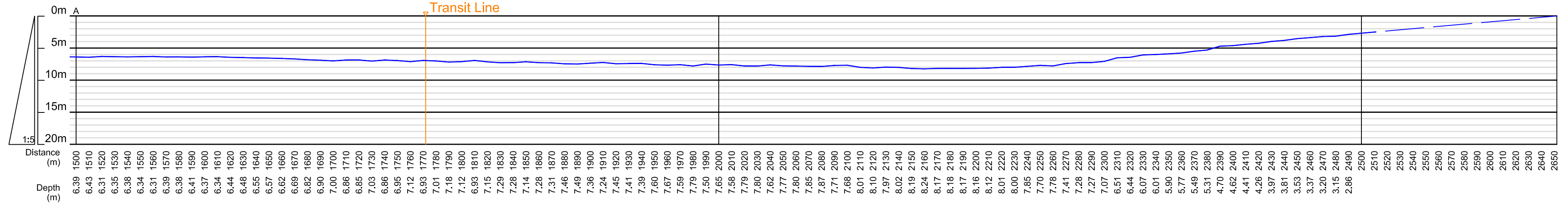
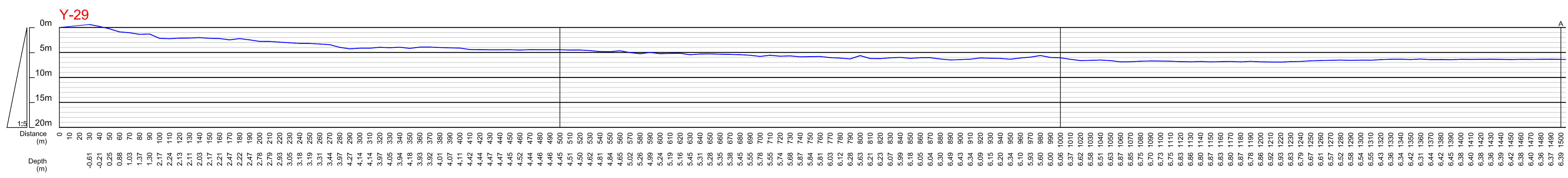
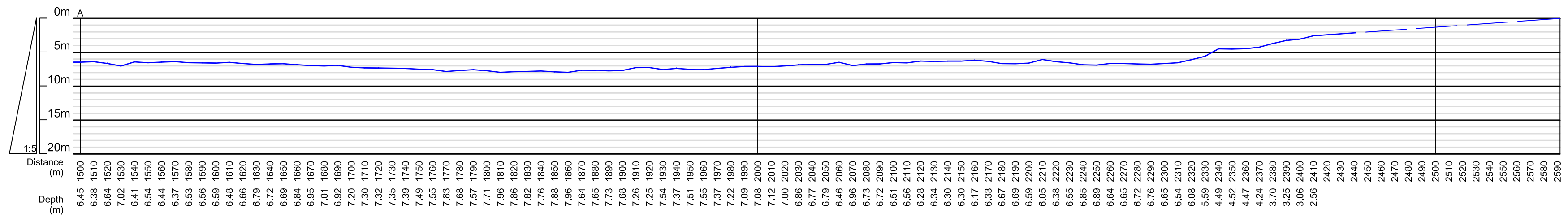
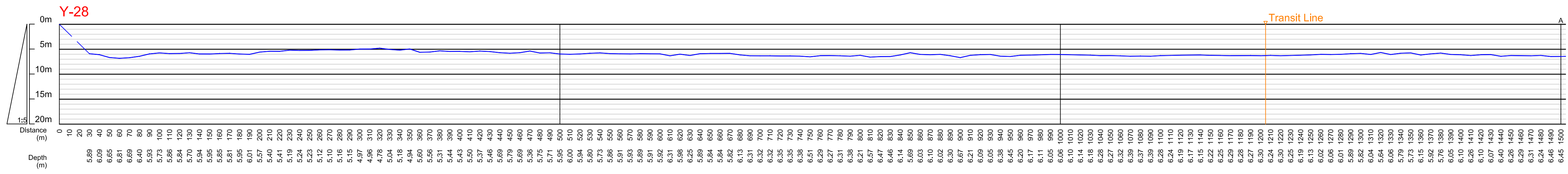
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CONTRACTOR
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Ellipsoid
WGS - 84
Datum Level
Chart Datum of Yangon Port
Revision
1.0.0

Date of Survey
From 06 May 2015 to 07 Jun 2015
Date of Drawing
03 Aug 2015
Sheet No.
Y-25, Y-26, Y-27
Scale
H=2,500 V=1/500 (A1 Printing)
H=5,000 V=1/1,000 (A3 Printing)

— Before Rainy Season



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,845,235.88	202,953.92	0
Transit Line	1,845,117.05	203,806.09	1,205
Left Bank	1,847,131.09	204,752.25	2,592

	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,846,776.25	202,065.13	0
Transit Line	1,847,151.21	203,797.43	1,772
Left Bank	1,847,337.26	204,657.00	2,652

	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,847,771.58	201,936.56	0
Transit Line	1,845,172.52	203,758.88	1,895
Left Bank	1,848,300.21	204,378.80	2,499



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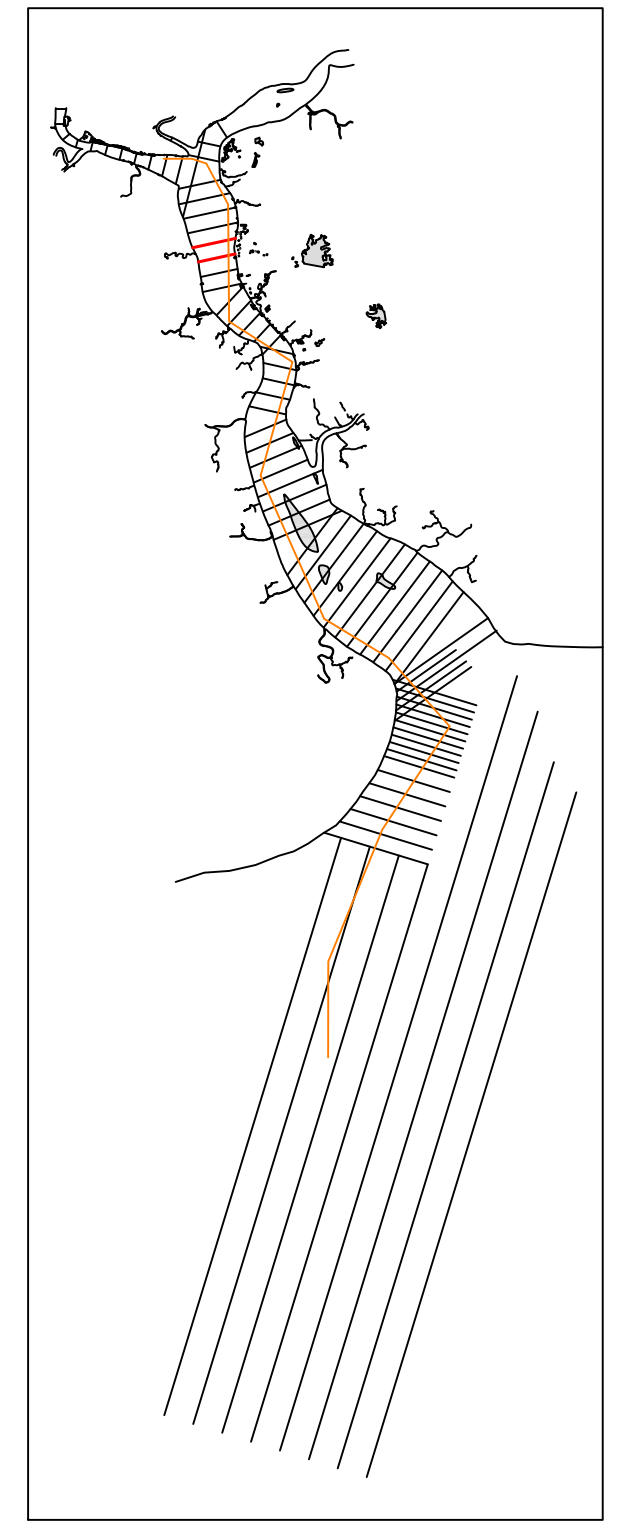
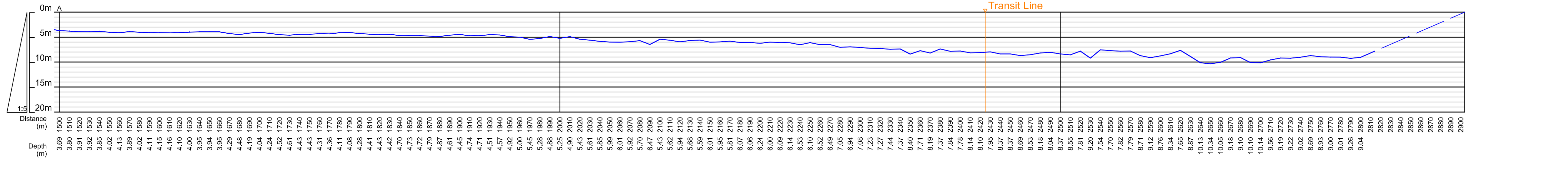
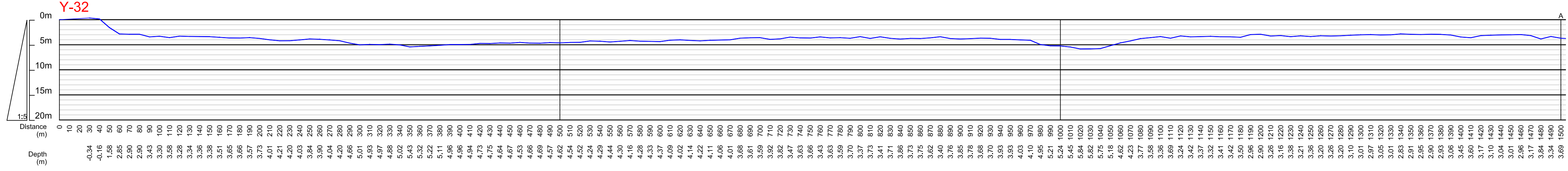
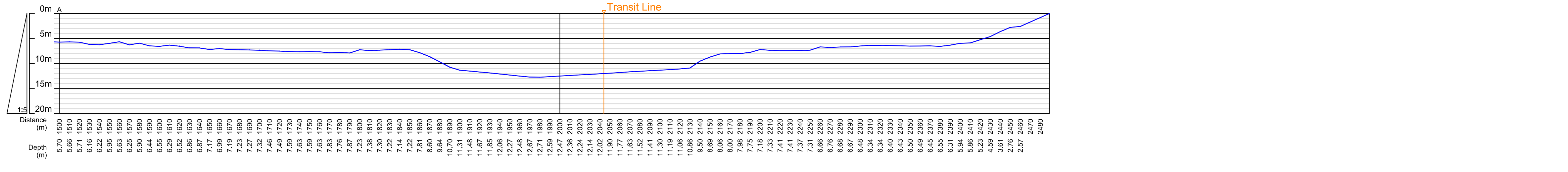
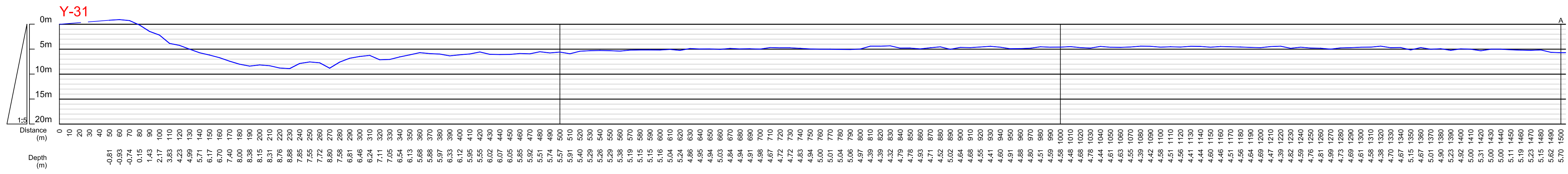
JICA STUDY TEAM
 ORIENTAL CONSULTANTS GLOBAL Co., LTD.
 ASIA AIR SURVEY CO., LTD.
CONTRACTOR
 ARC GEO SUPPORT CO., LTD.

Project Name: **The Data Collection Survey for Improvement of Navigation Channel of Yangon Port**
 Drawing Title: **Cross sections along the Yangon River, the Bago River and Pazundaung Creek before rainy season**

Projection: **UTM Zone 47 N**
 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-28, Y-29, Y-30**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)

Before Rainy Season



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,848,781.33	201,782.23	0
Transit Line	1,849,159.83	203,780.34	2,044
Left Bank	1,849,287.87	204,214.82	2,489

	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,849,702.04	201,401.34	0
Transit Line	1,850,215.13	203,771.79	2,425
Left Bank	1,850,316.48	204,240.01	2,904

— Before Rainy Season



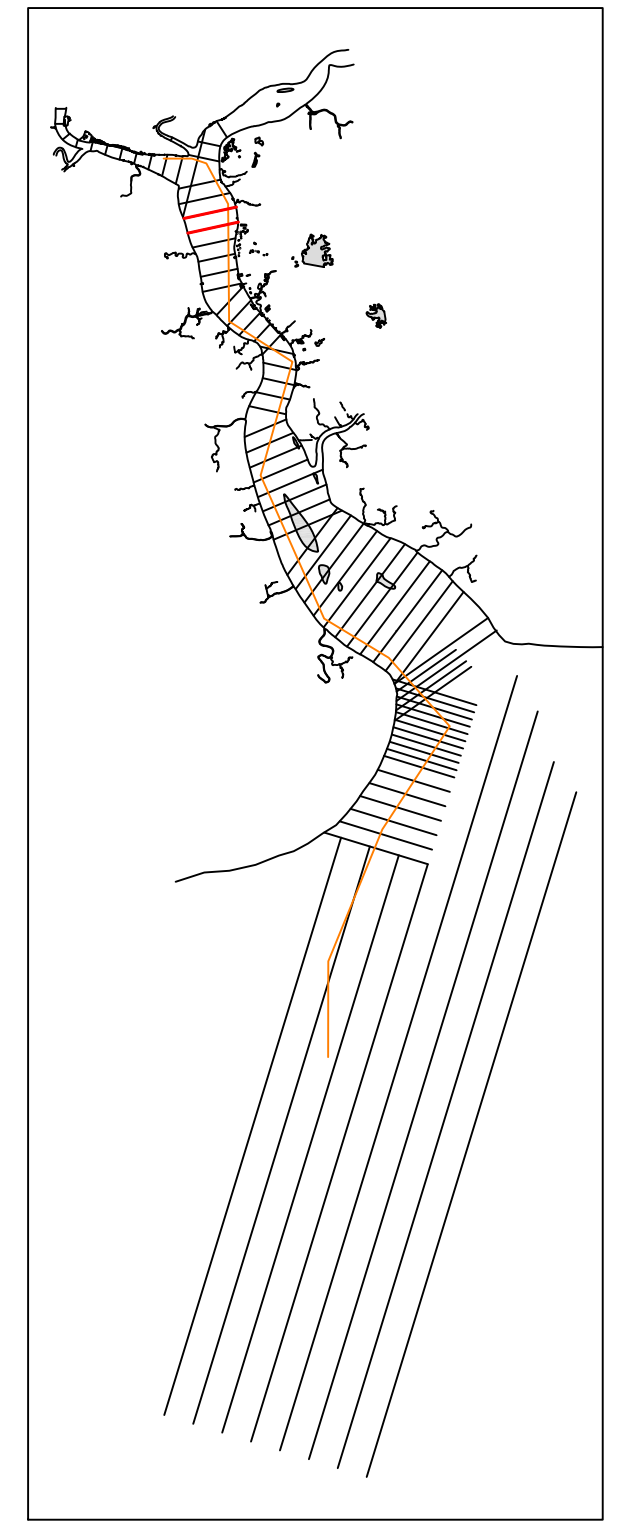
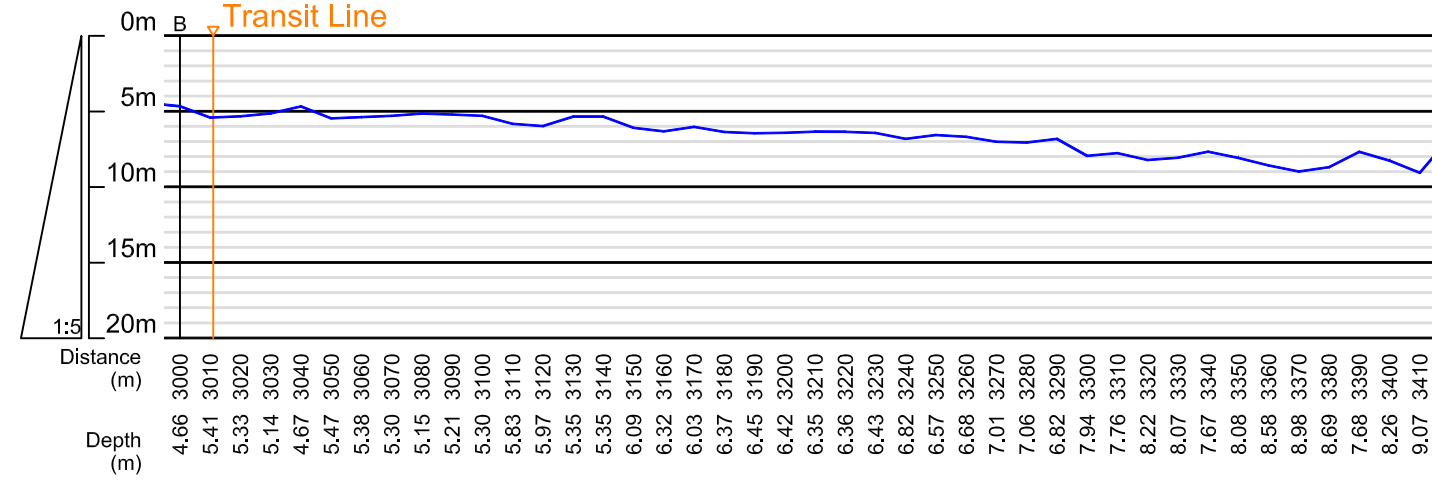
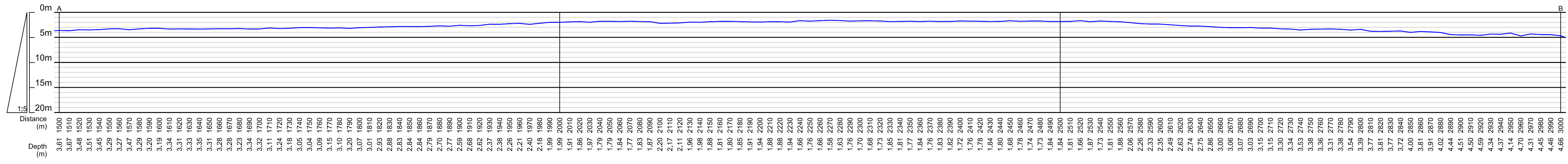
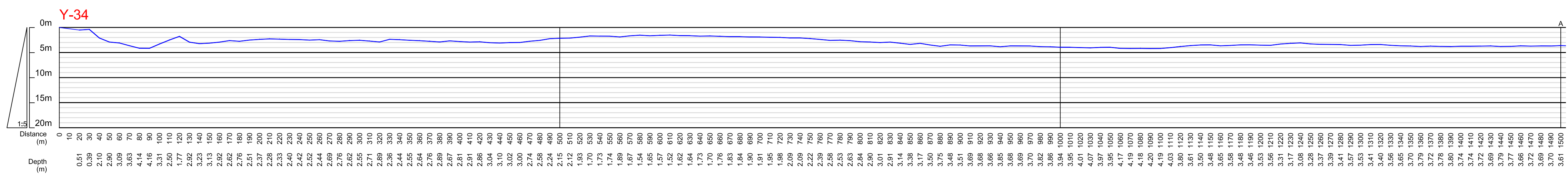
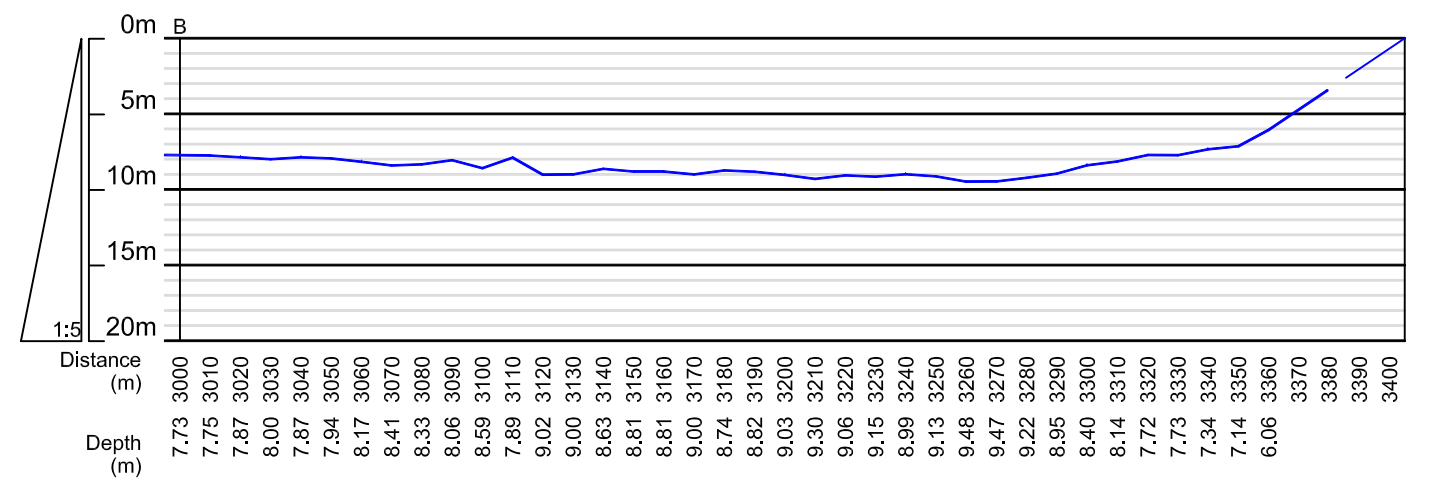
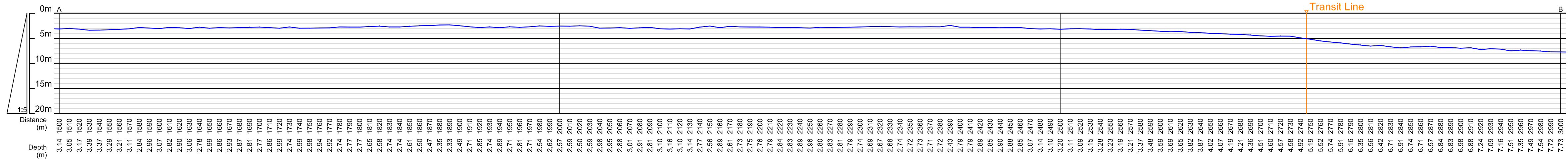
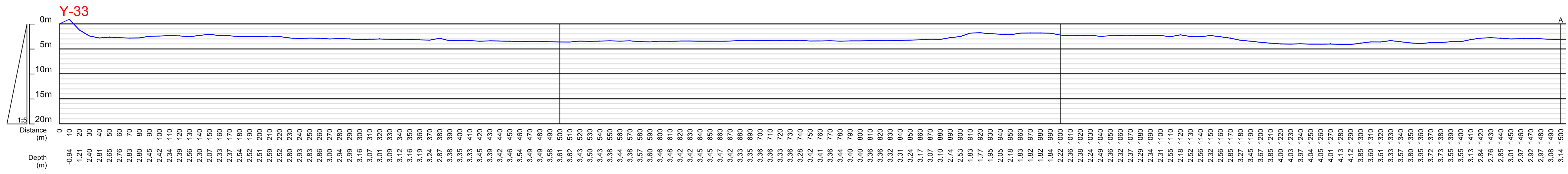
MYANMA PORT AUTHORITY (MPA)
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA STUDY TEAM
 ORIENTAL CONSULTANTS GLOBAL Co., LTD.
 ASIA AIR SURVEY CO., LTD.
CONTRACTOR
 ARC GEO SUPPORT CO., LTD.

Project Name
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Projection
 UTM Zone 47 N
Ellipsoid
 WGS - 84
Datum Level
 Chart Datum of Yangon Port
Revision
 1.0.0

Date of Survey
 From 06 May 2015 to 07 Jun 2015
Date of Drawing
 03 Aug 2015
Sheet No.
 Y-31, Y-32
Scale
 H=2,500 V=1/500 (A1 Printing)
 H=5,000 V=1/1,000 (A3 Printing)



Y-33			
	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,850,655.52	201,079.41	0
Transit Line	1,851,236.44	203,763.24	2,746
Left Bank	1,851,375.95	204,407.79	3,405

Y-34			
	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,851,620.79	200,811.98	0
Transit Line	1,852,257.75	203,754.69	3,011
Left Bank	1,852,369.95	204,273.07	3,541



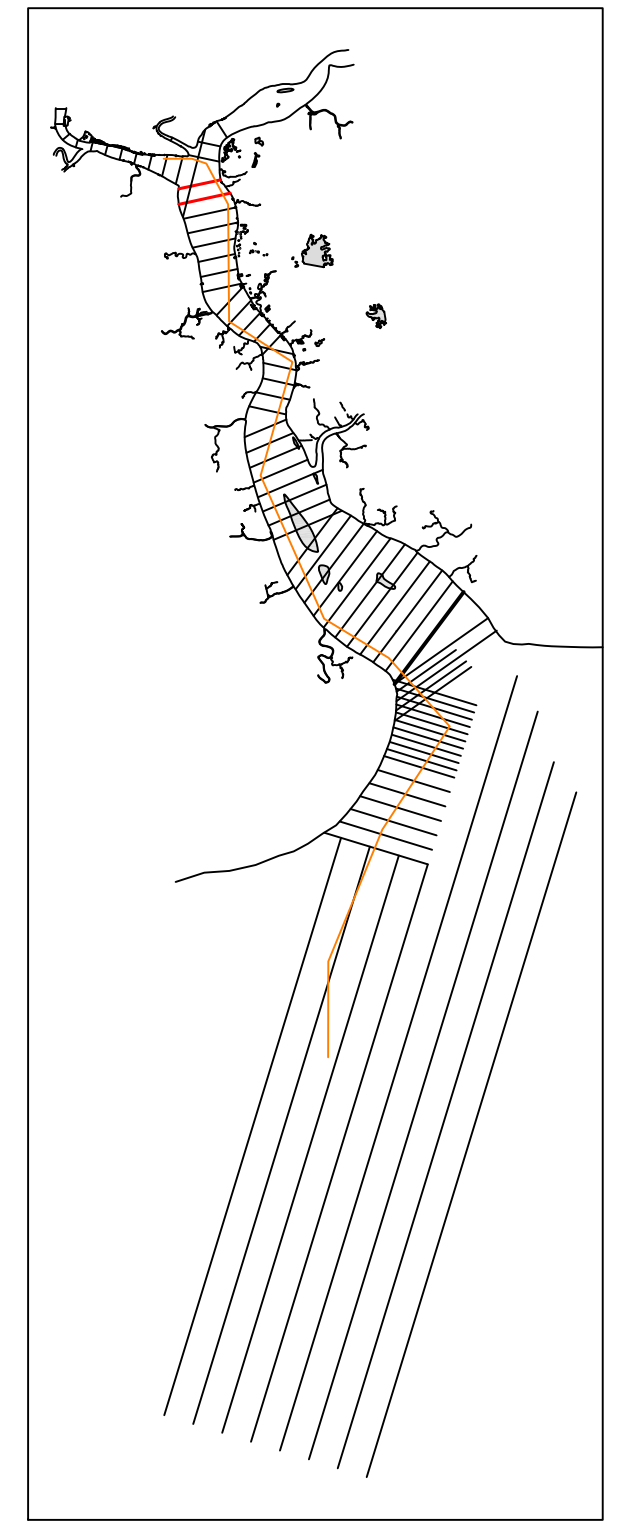
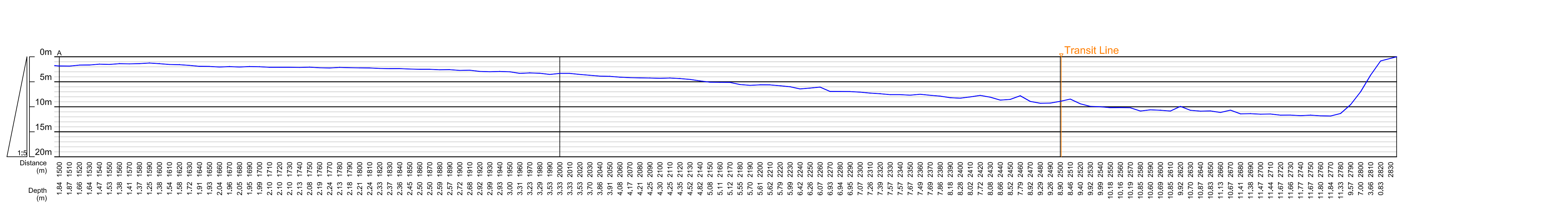
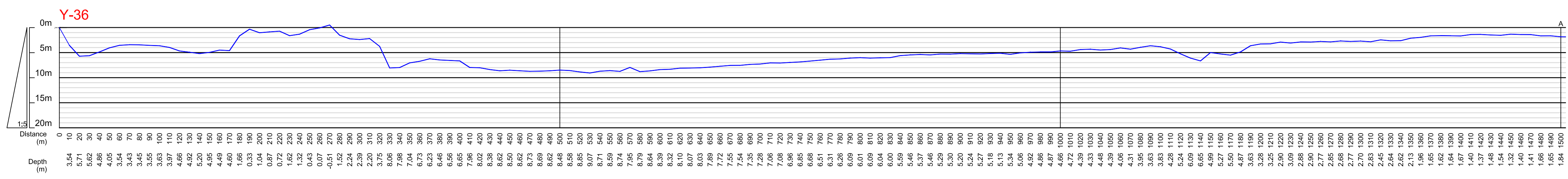
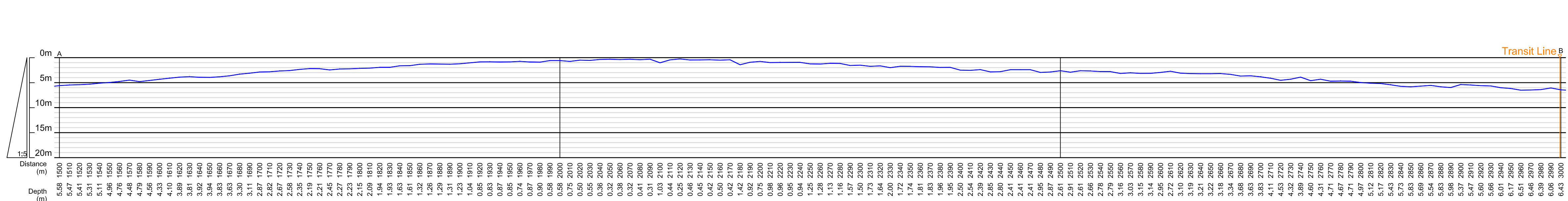
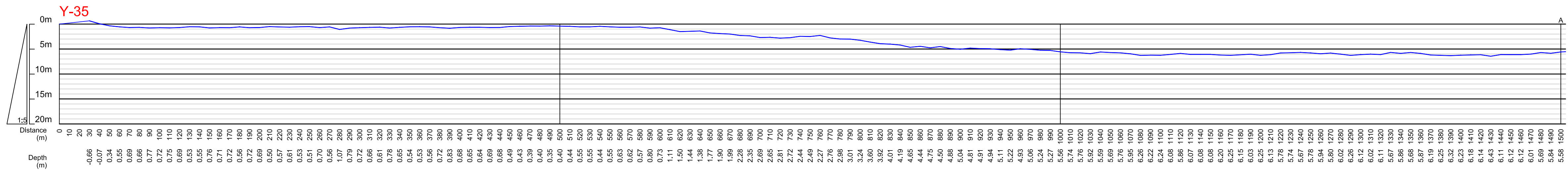
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 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-33, Y-34**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)



Y-35			
	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 852 573.23	200 485.24	0
Transit Line	1 853 207.67	203 416.36	2 990
Left Bank	1 853 309.14	203 885.14	3 479

Y-36			
	Northing(m)	Easting(m)	Distance(m)
Right Bank	1 853 595.92	200 483.12	0
Transit Line	1 854 125.04	202 927.61	2 501
Left Bank	1 854 195.85	203 254.77	2 830

— Before Rainy Season



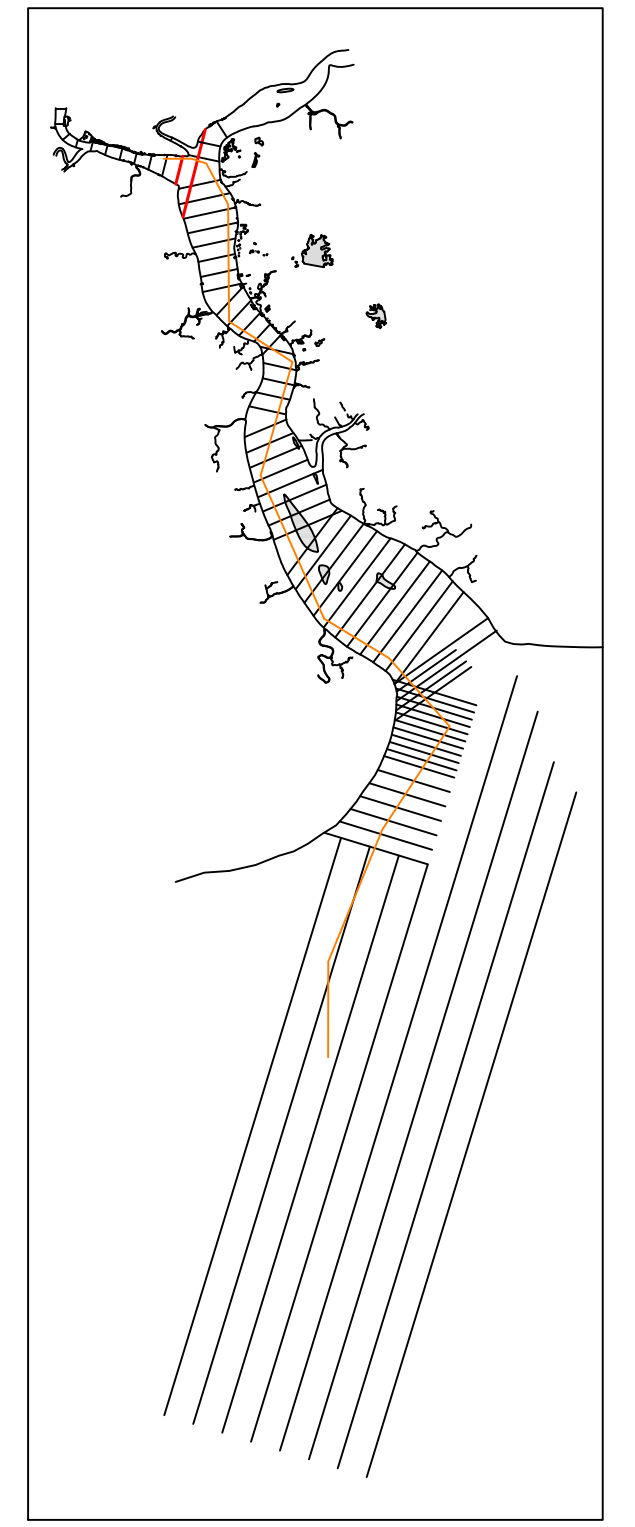
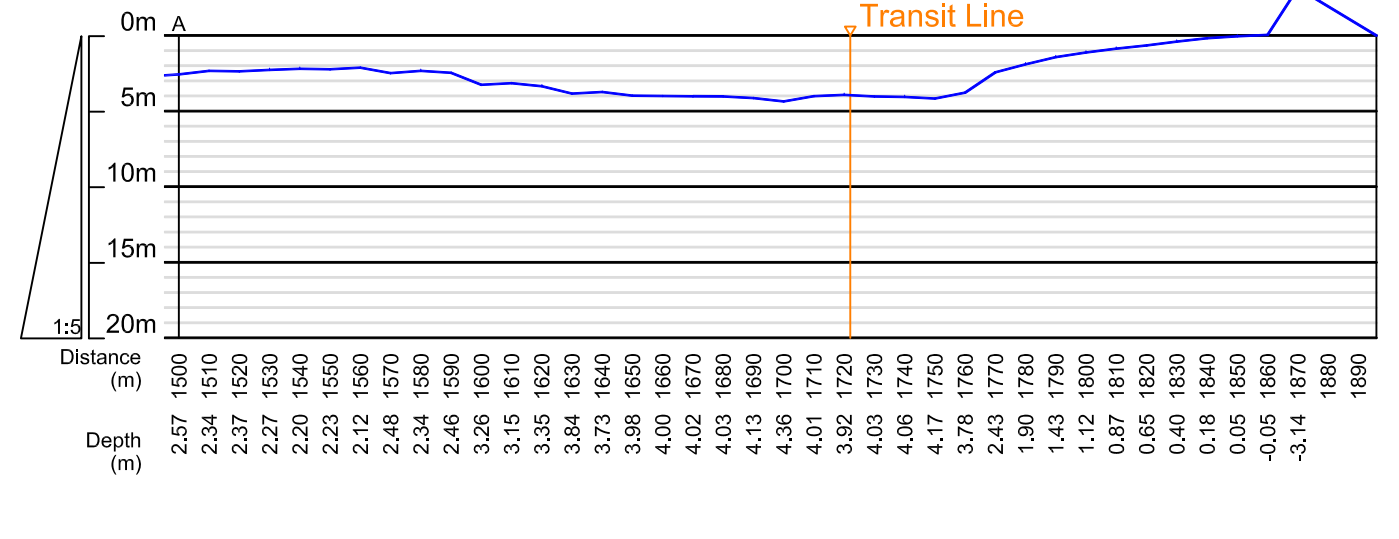
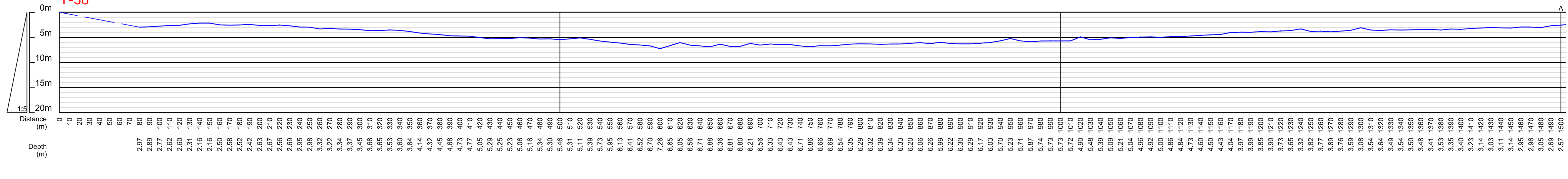
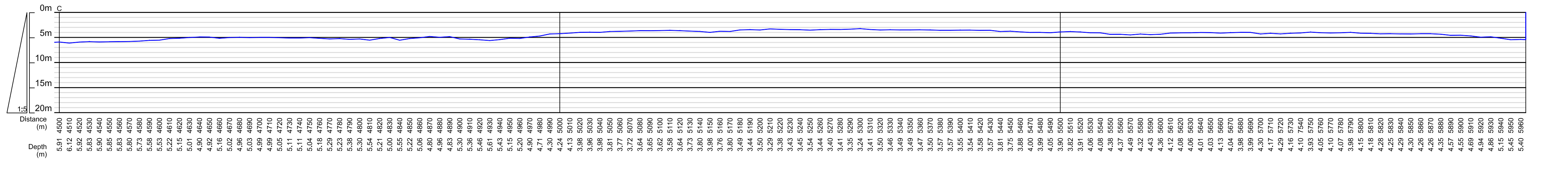
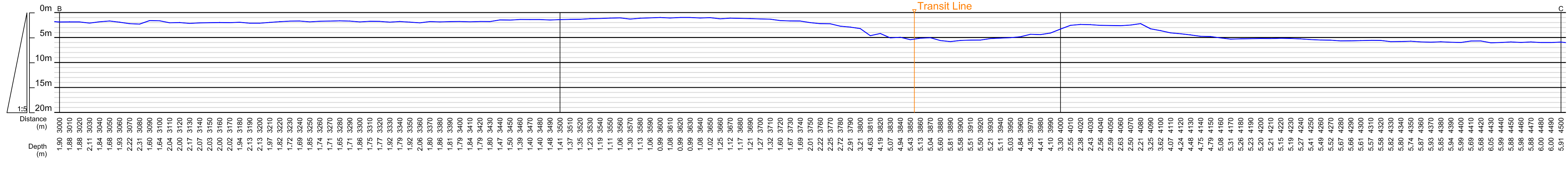
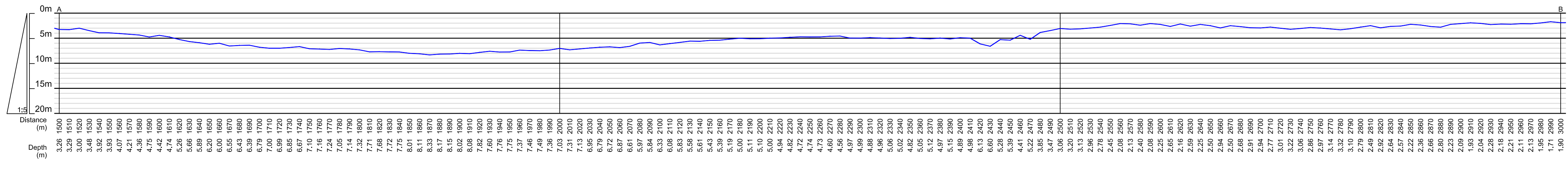
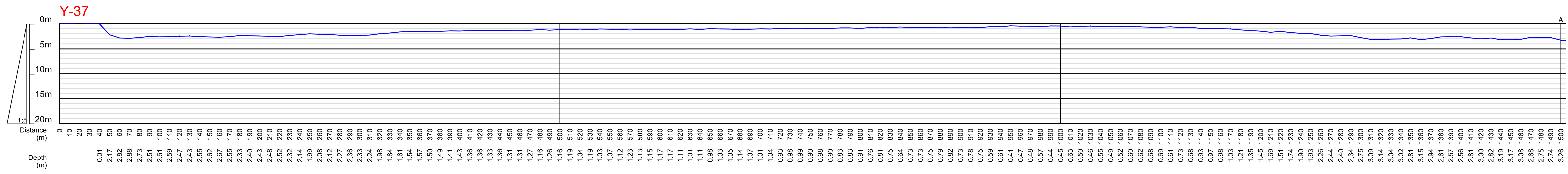
MYANMA PORT AUTHORITY (MPA)
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

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CONTRACTOR
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UTM Zone 47 N
Ellipsoid
WGS - 84
Datum Level
Chart Datum of Yangon Port
Revision
1.0.0

Date of Survey
From 06 May 2015 to 07 Jun 2015
Date of Drawing
03 Aug 2015
Sheet No.
Y-35 , Y-36
Scale
H=2,500 V=1/500 (A1 Printing)
H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,851,736.07	200,761.09	0
Transit Line	1,855,471.09	201,711.83	3,854
Left Bank	1,857,517.06	202,232.31	5,965

	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,853,916.53	200,284.13	0
Transit Line	1,855,585.63	200,708.90	1,722
Left Bank	1,855,754.17	200,751.79	1,896

— Before Rainy Season



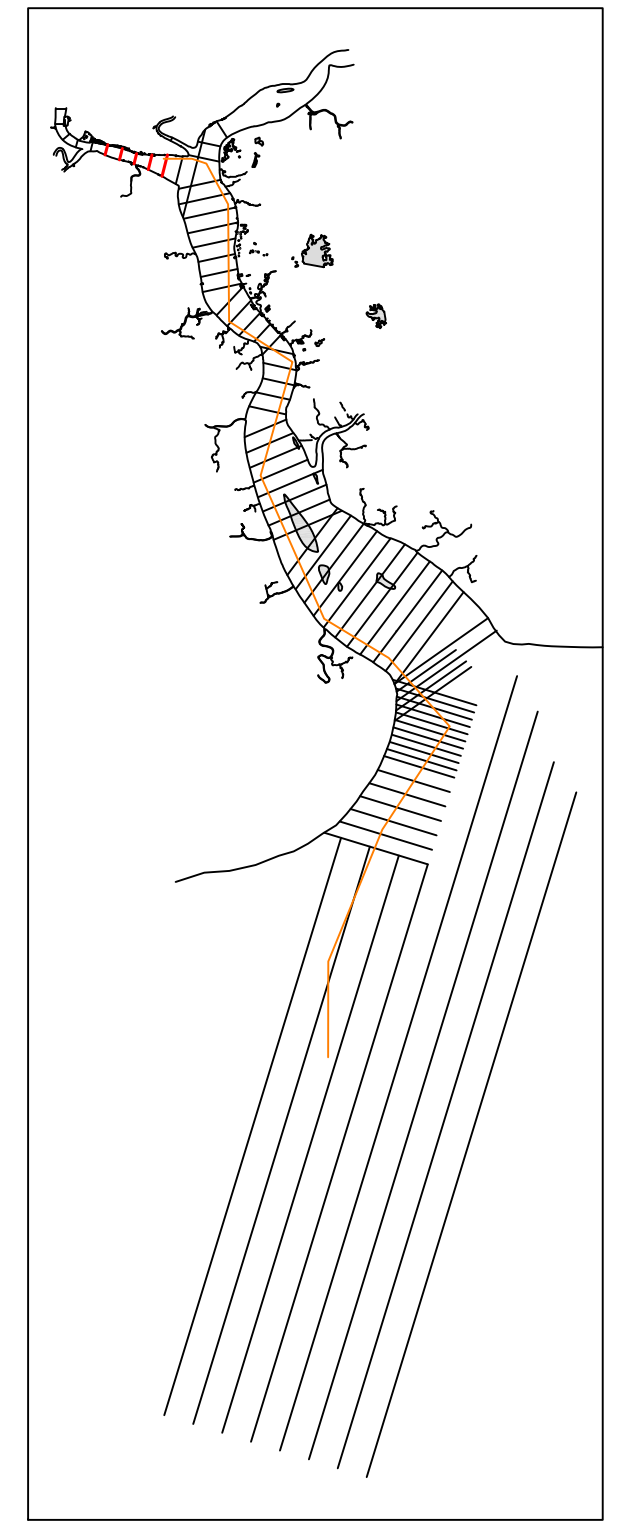
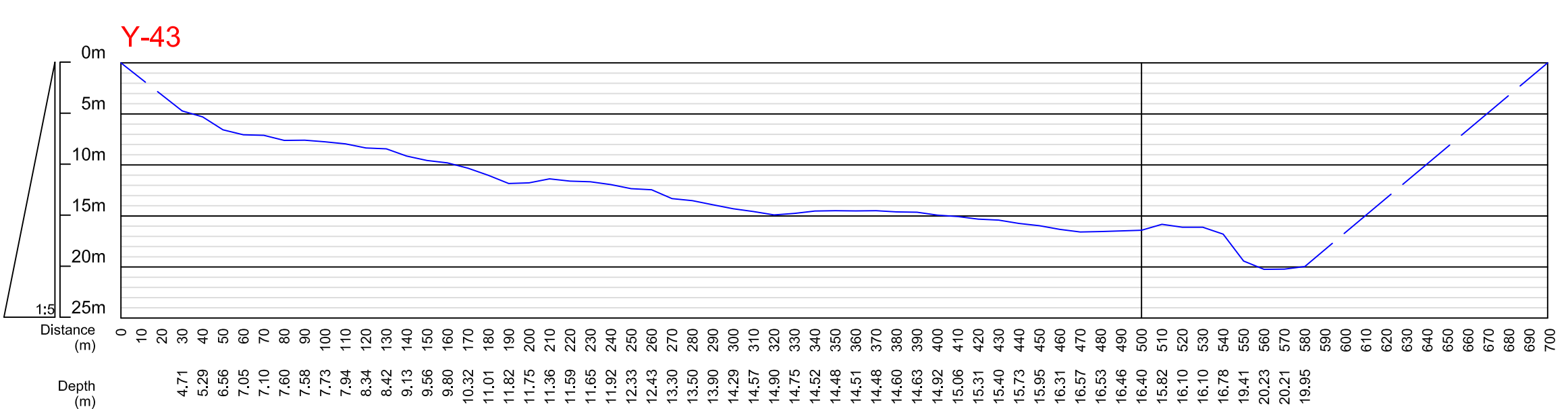
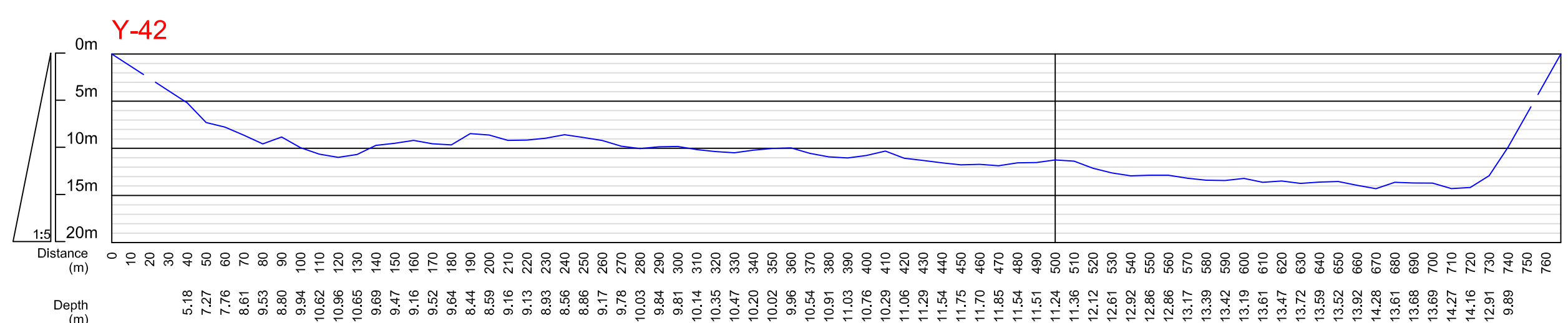
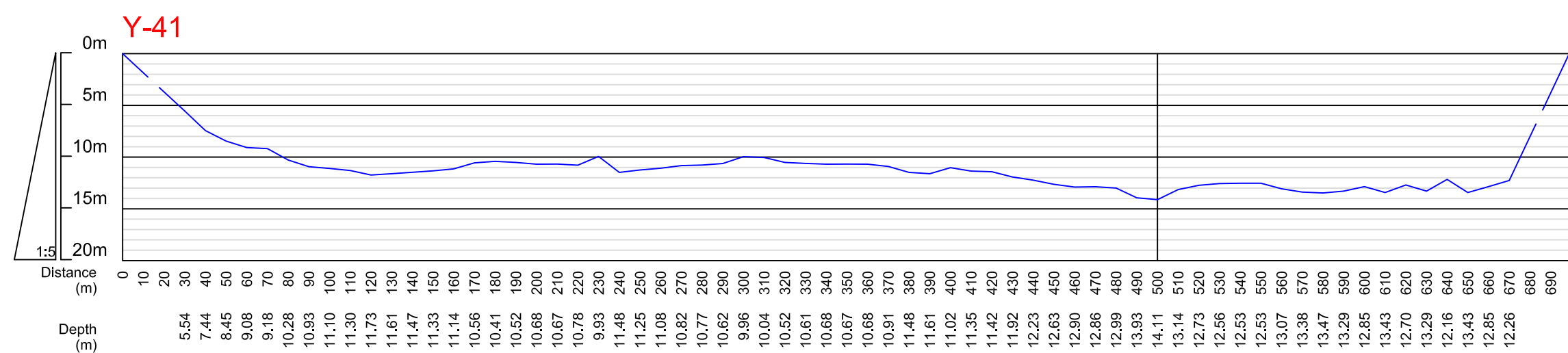
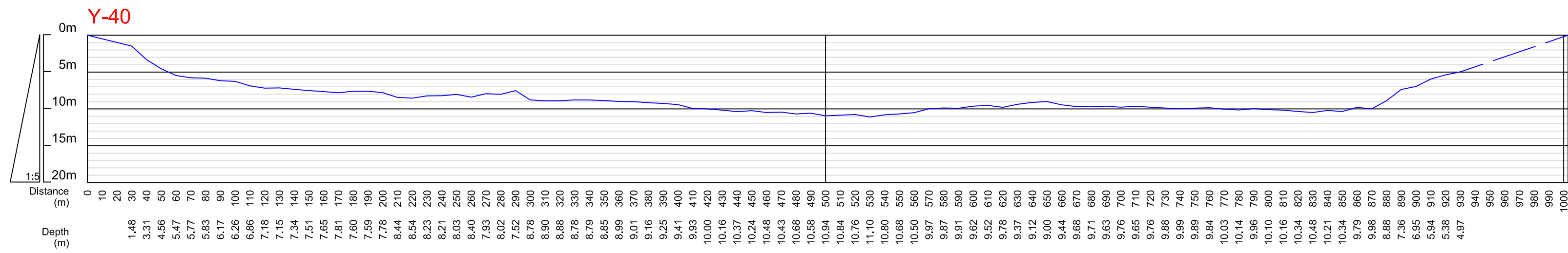
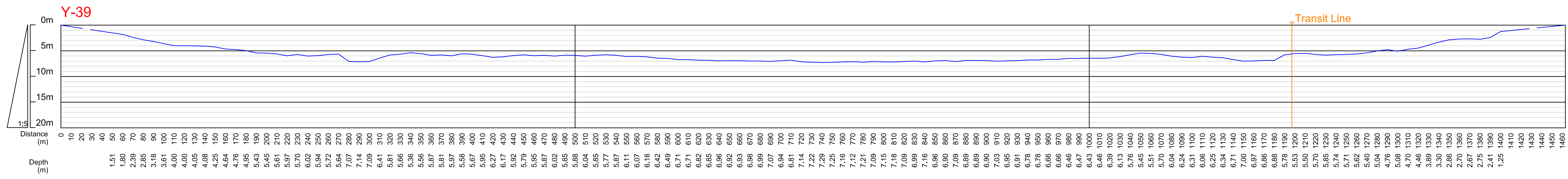
MYANMA PORT AUTHORITY (MPA)
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 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-37, Y-38**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)



Y-39	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,854,425.50	199,381.78	0
Transit Line	1,855,585.47	199,676.99	1,197
Left Bank	1,855,843.77	199,742.72	1,463

Y-40	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,854,873.16	198,463.83	0
Left Bank	1,855,845.53	198,711.29	1,003

Y-41	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,855,248.20	197,527.40	0
Left Bank	1,855,925.66	197,699.81	699

Y-42	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,855,518.02	196,564.19	0
Left Bank	1,856,262.60	196,753.69	768

Y-43	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,855,841.19	195,614.56	0
Left Bank	1,856,518.98	195,787.06	699

— Before Rainy Season



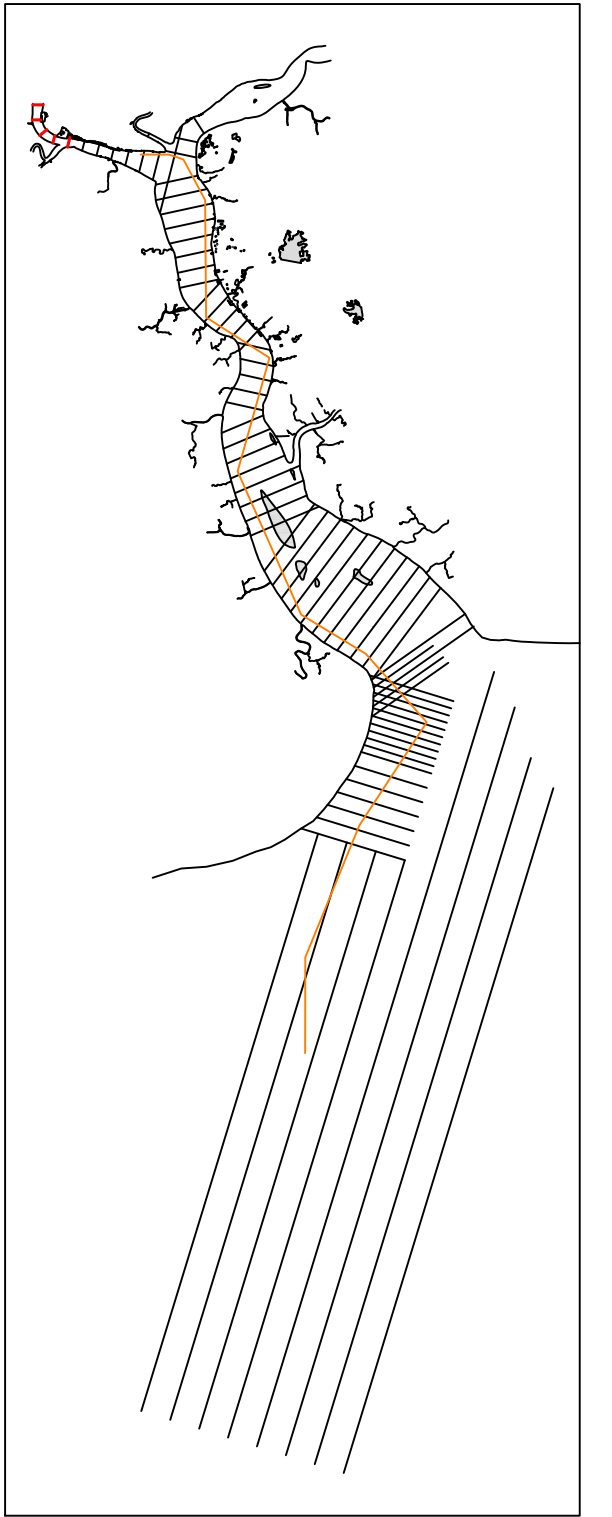
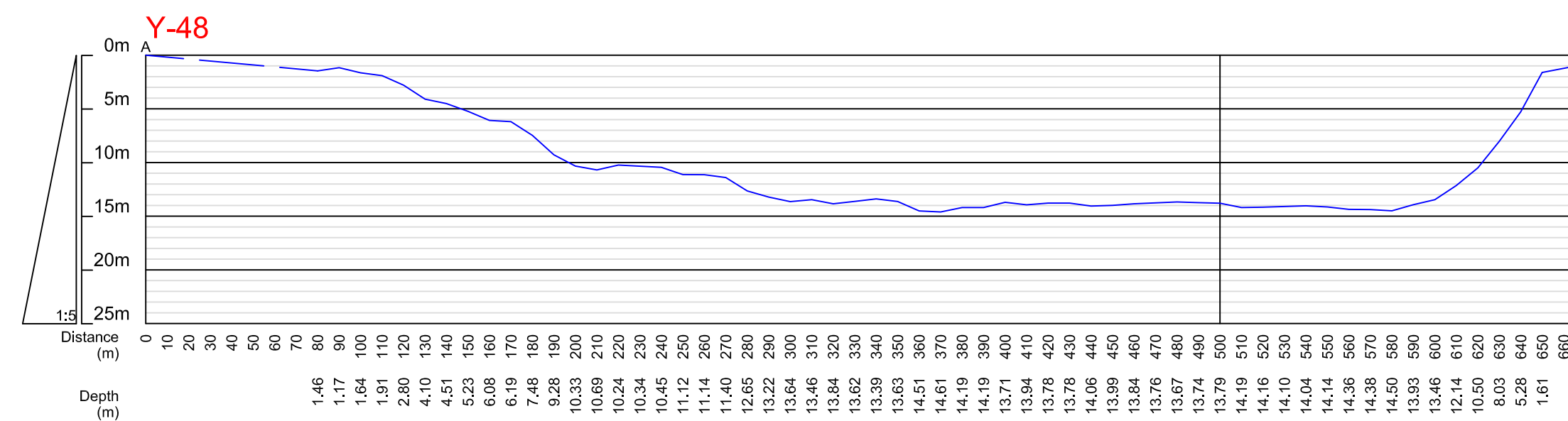
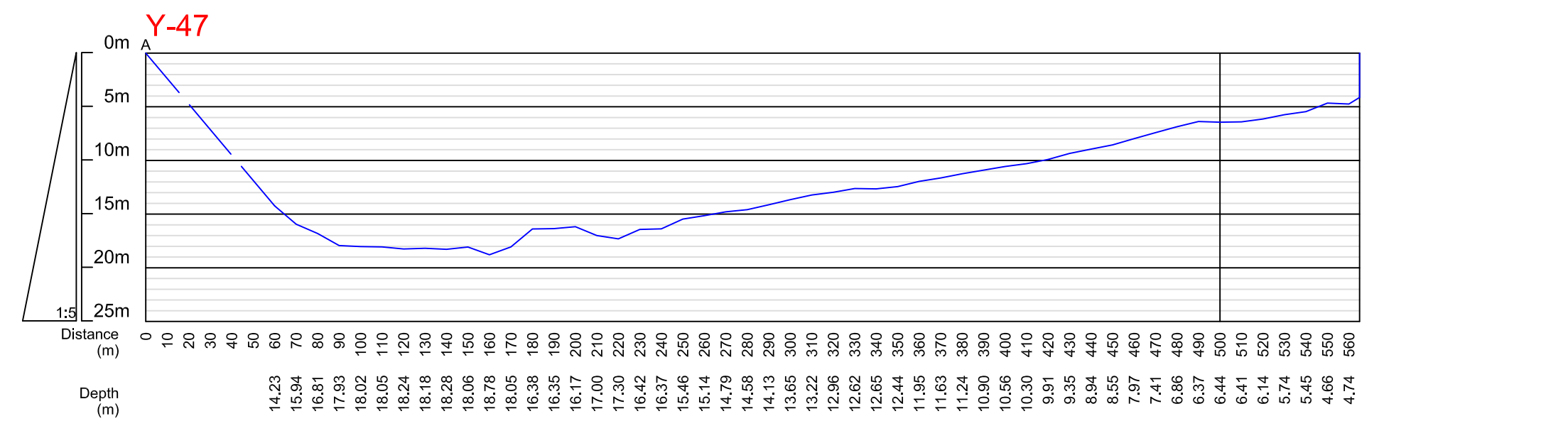
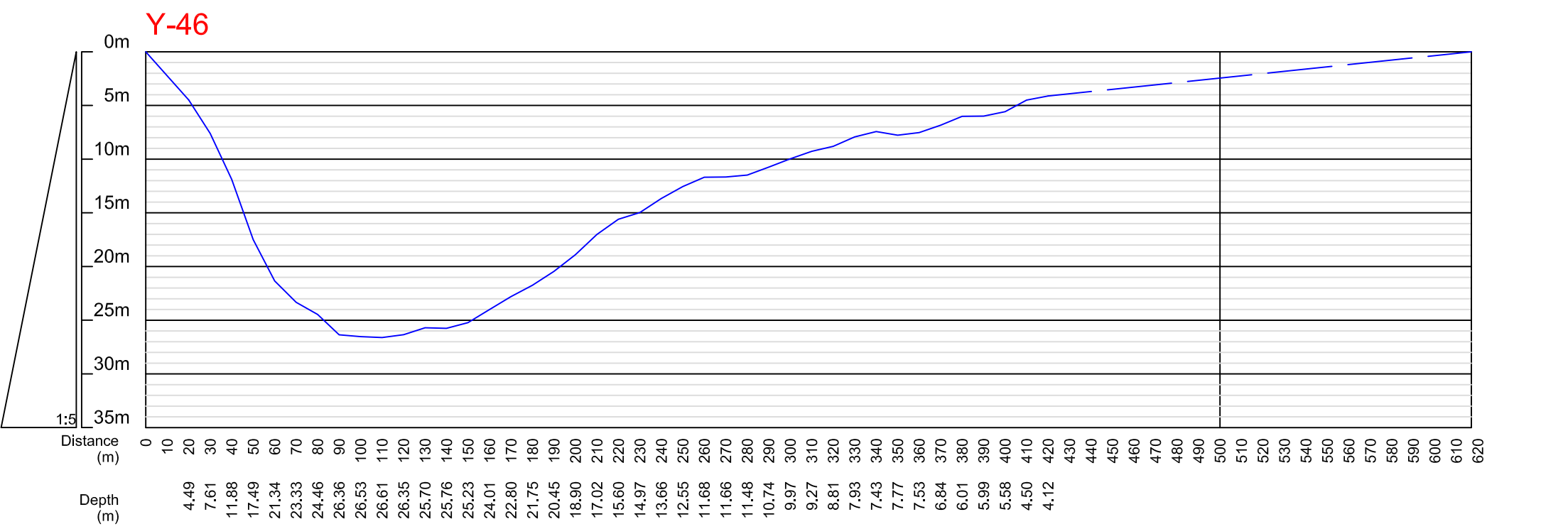
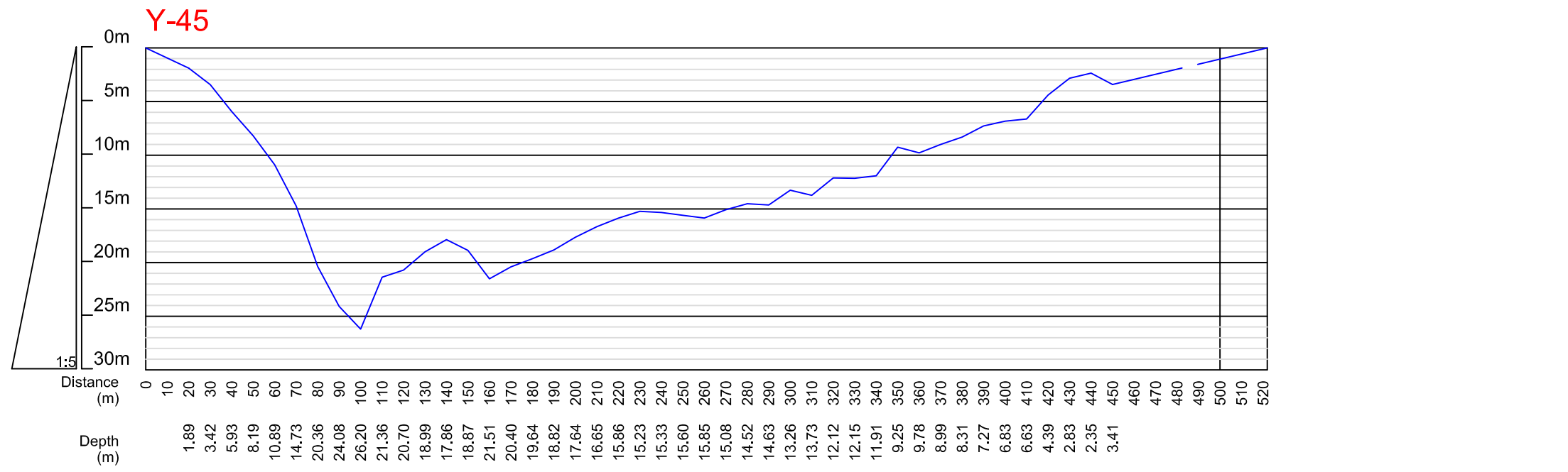
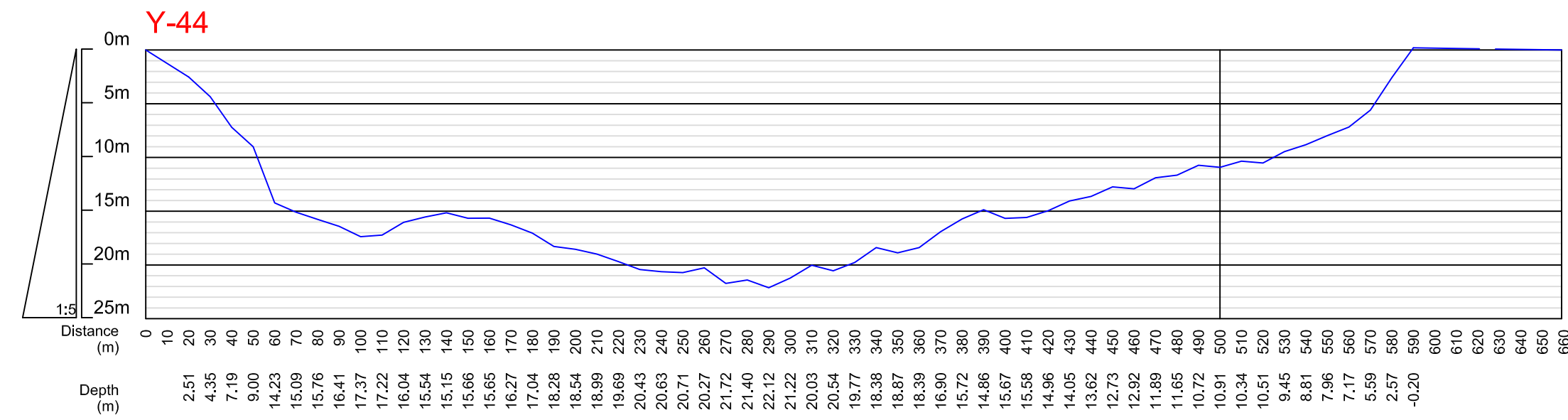
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 Ellipsoid: **WGS - 84**
 Datum Level: **Chart Datum of Yangon Port**
 Revision: **1.0.0**

Date of Survey: **From 06 May 2015 to 07 Jun 2015**
 Date of Drawing: **03 Aug 2015**
 Sheet No.: **Y-39 , Y-40 , Y-41 , Y-42 , Y-43**
 Scale: **H=2,500 V=1/500 (A1 Printing)**
H=5,000 V=1/1,000 (A3 Printing)



Y-44	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,856,092.46	194,644.09	0
Left Bank	1,856,721.53	194,906.73	659

Y-45	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,856,342.59	193,876.42	0
Left Bank	1,856,848.20	193,807.09	522

Y-46	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,856,842.97	192,807.42	0
Left Bank	1,857,238.08	193,281.65	617

Y-47	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,857,884.75	192,313.56	0
Left Bank	1,857,881.67	192,876.24	565

Y-48	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,858,884.58	192,347.39	0
Left Bank	1,858,880.81	193,039.65	692

— Before Rainy Season



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Ellipsoid

WGS - 84

Datum Level

Chart Datum of Yangon Port

Revision

1.0.0

Date of Survey

From 06 May 2015 to 07 Jun 2015

Date of Drawing

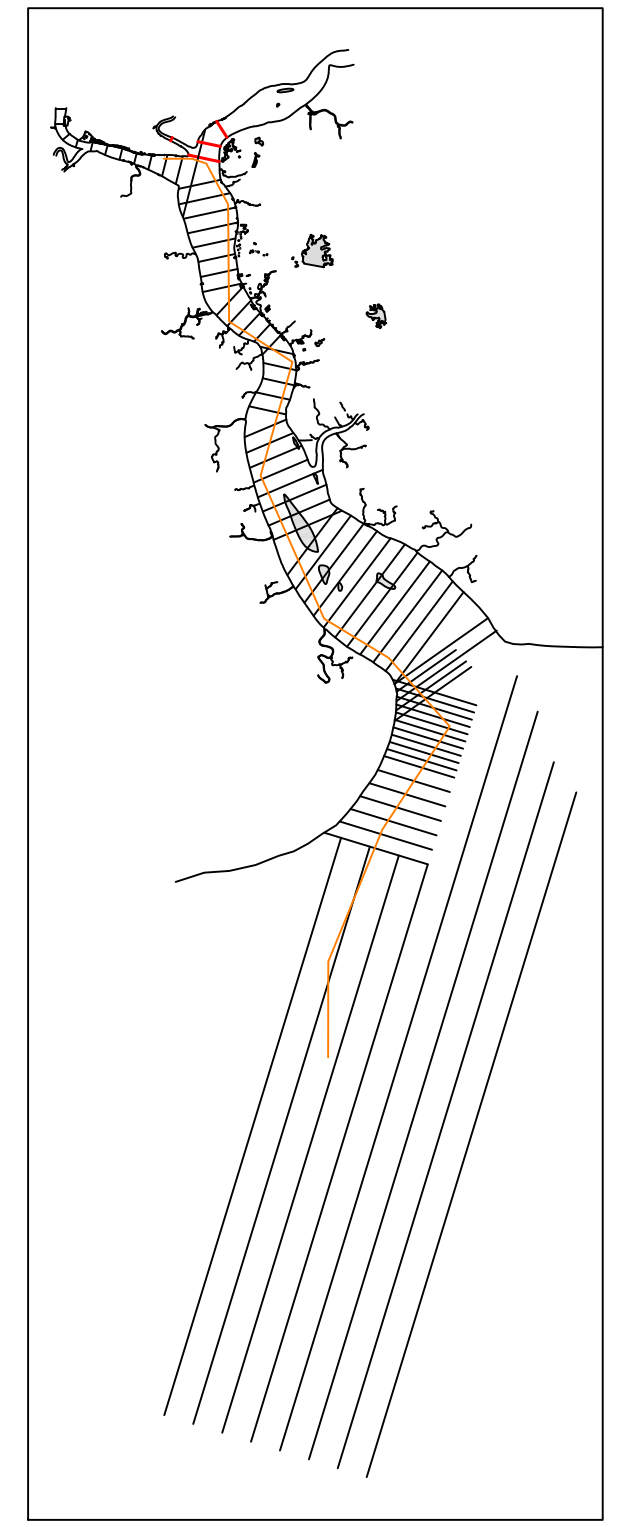
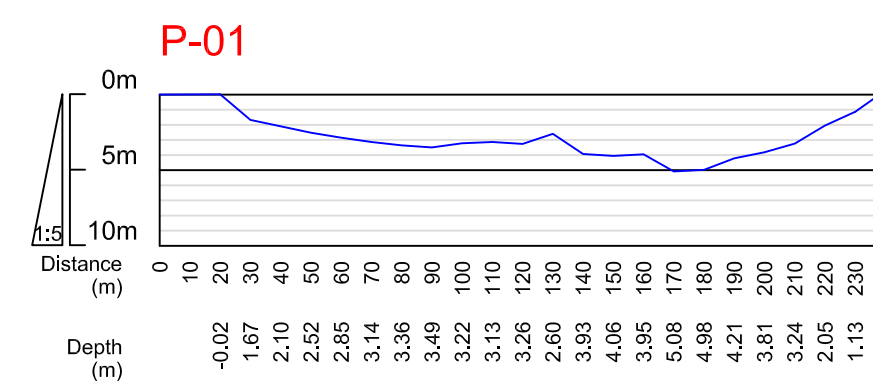
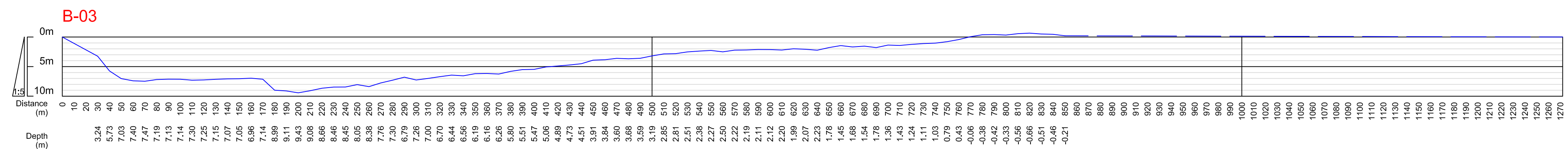
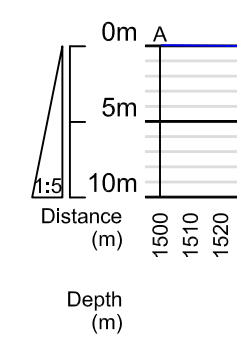
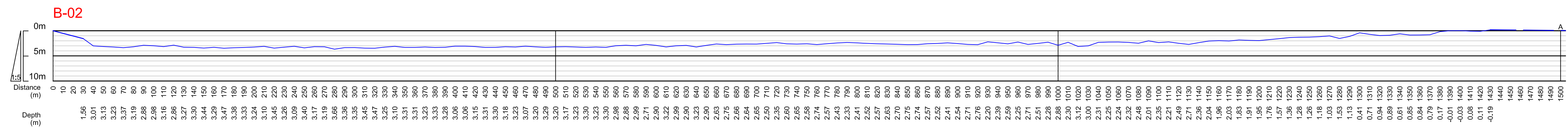
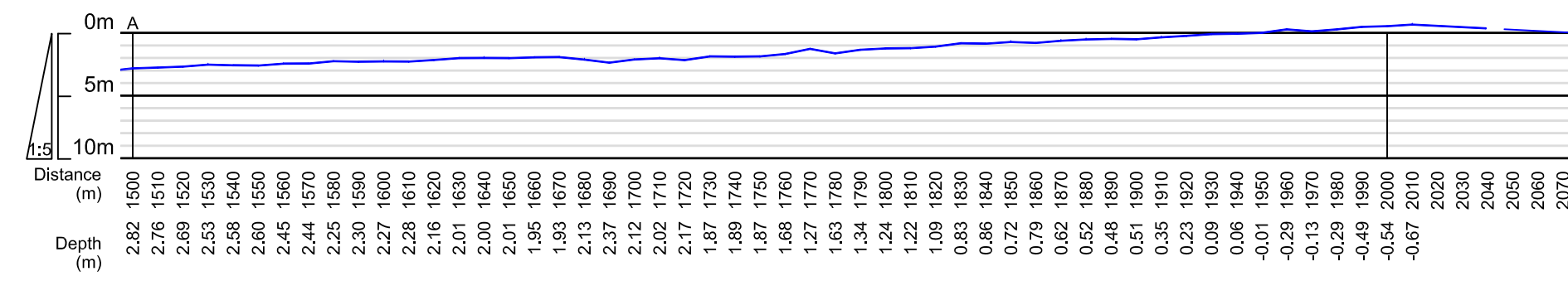
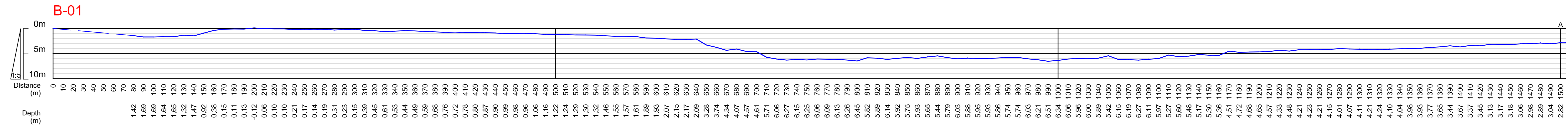
03 Aug 2015

Sheet No.

Y-44 , Y-45 , Y-46 , Y-47 , Y-48

Scale

H=2,500 V=1/500 (A1 Printing)
H=5,000 V=1/1,000 (A3 Printing)



	Northing(m)	Easting(m)	Distance(m)
B-01			
Right Bank	1,855,823.59	201,129.23	0
Left Bank	1,855,393.74	203,168.09	2,076
B-02			
Right Bank	1,856,719.42	201,750.14	0
Left Bank	1,856,400.20	203,243.05	1,526
B-03			
Right Bank	1,856,061.03	202,984.70	0
Left Bank	1,856,991.64	203,673.64	1,272
P-01			
Right Bank	1,856,771.88	199,955.37	0
Left Bank	1,856,986.46	200,059.16	238

— Before Rainy Season



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Ellipsoid	WGS - 84	Date of Drawing	03 Aug 2015
Datum Level	Chart Datum of Yangon Port	Sheet No.	B-01 , B-02 , B-03 , P-01
Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)