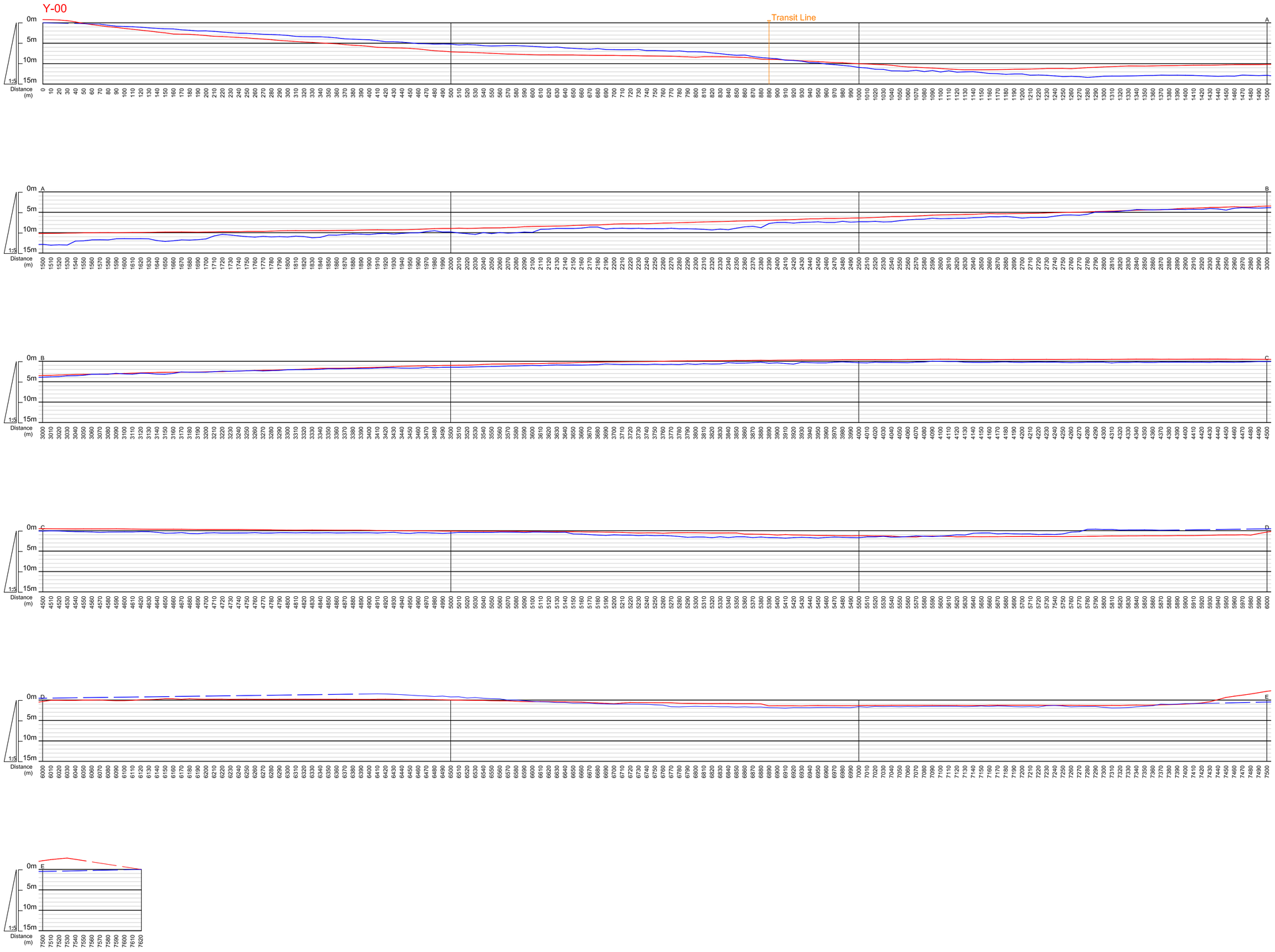

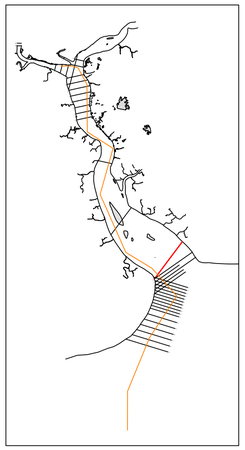

Y-00	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,820,826.96	214,755.39	0
Transit Line	1,821,538.88	215,289.26	890
Left Bank	1,826,923.85	219,327.47	7,621

Before Rainy Season

After Rainy Season

MYANMA PORT AUTHORITY (MPA)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA STUDY TEAM

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ASIA AIR SURVEY CO., LTD.

CONTRACTOR

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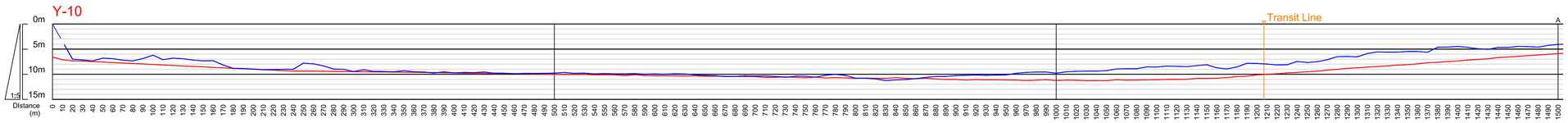
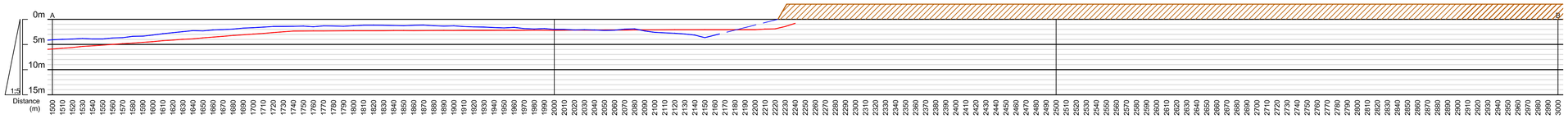
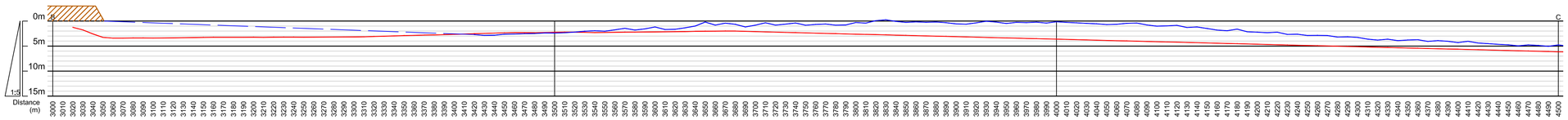
Project Name: The Data Collection Survey for Improvement of Navigation Channel of Yangon Port

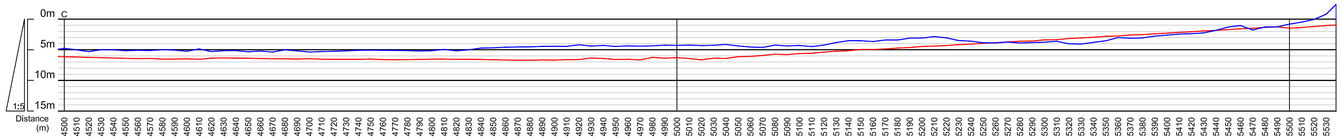
Drawing Title: Comparison of cross sections between before and after rainy season along the Yangon River, the Bago River and Pazundaung Creek

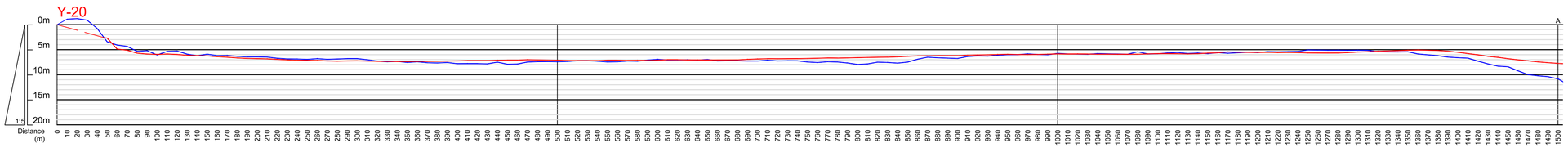
Projection	UTM Zone 47 N	Date of Survey	From 06 May 2015 to 07 Jun 2015 From 09 Nov 2015 to 09 Dec 2015
Ellipsoid	WGS - 84	Date of Drawing	15 Jan 2016
Datum Level	Chart Datum of Yangon Port	Sheet No.	Y-00
Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)

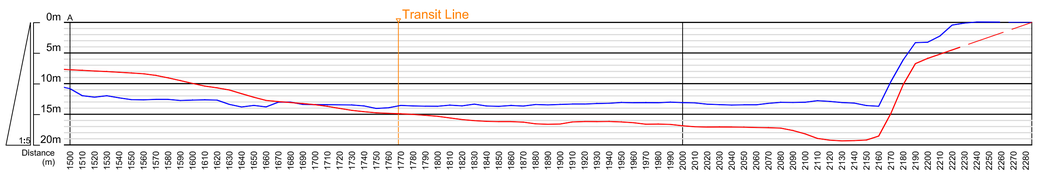


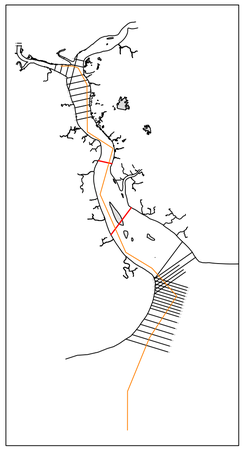












Y-10	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,828,045.93	207,669.50	0
Transit Line	1,829,011.35	208,393.47	1,207
Left Bank	1,832,476.45	210,991.96	5,538

Y-20	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	1,839,644.64	207,838.94	2,285

River Island

Before Rainy Season

After Rainy Season

MYANMA PORT AUTHORITY (MPA)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA STUDY TEAM

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CONTRACTOR

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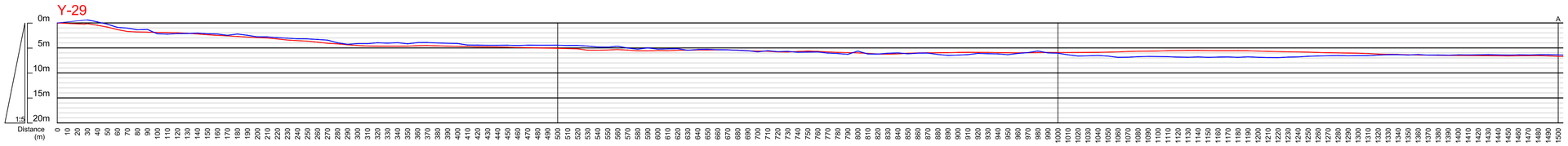
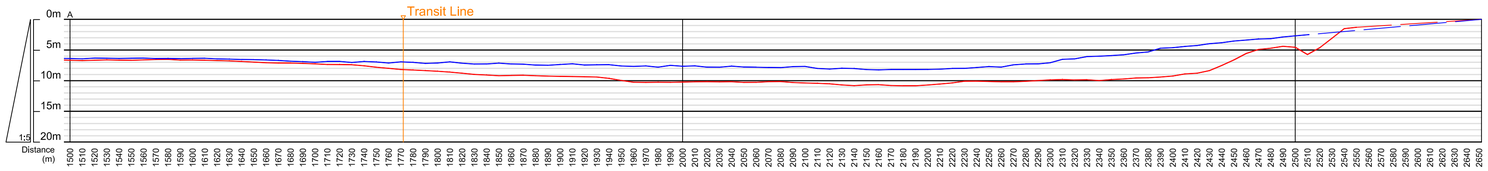
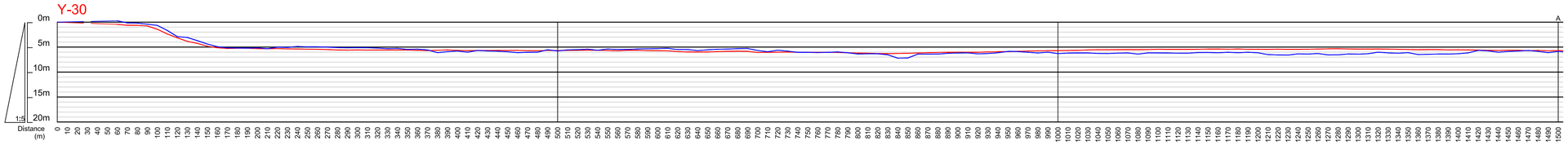
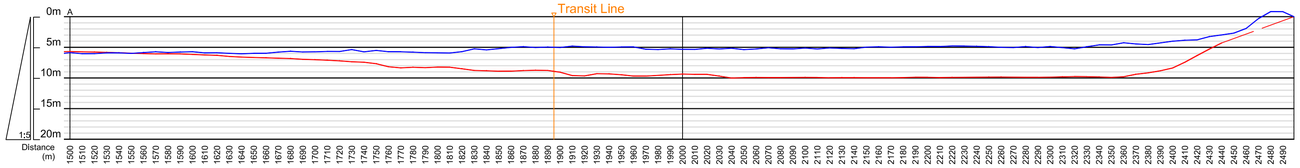
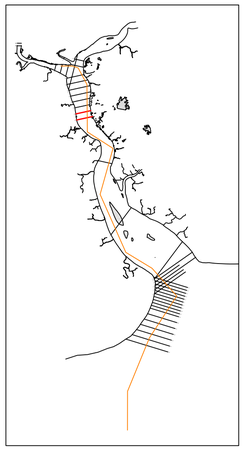
Ellipsoid	WGS - 84	Date of Drawing	15 Jan 2016
Datum Level	Chart Datum of Yangon Port	Sheet No.	Y-10, Y-20
Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)











Y-29	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

Y-30	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,847,771,58	201,936,56	0
Transit Line	1,848,172,52	203,788,88	1,895
Left Bank	1,848,300,21	204,378,80	2,499

Before Rainy Season

After Rainy Season

MYANMA PORT AUTHORITY (MPA)

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JICA STUDY TEAM

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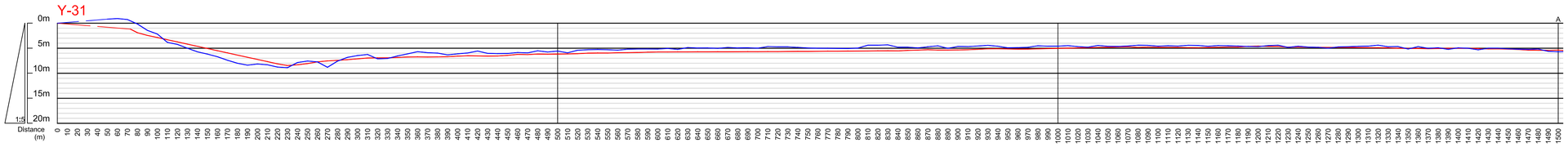
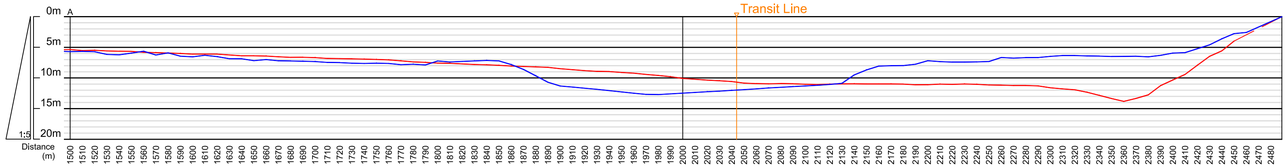
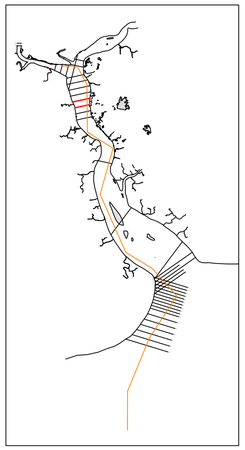
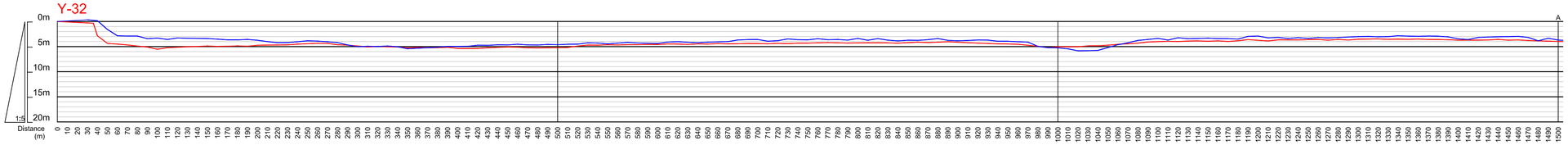
Datum Level	Chart Datum of Yangon Port	Sheet No.	Y-29 , Y-30
Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)



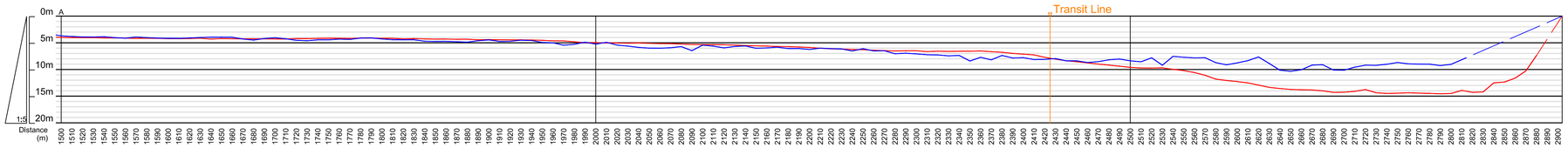






Y-31	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,848,761.33	201,782.23	0
Transit Line	1,849,193.83	203,780.34	2,044
Left Bank	1,849,287.87	204,214.82	2,489

Y-32	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

After Rainy Season

MYANMA PORT AUTHORITY (MPA)

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JICA STUDY TEAM

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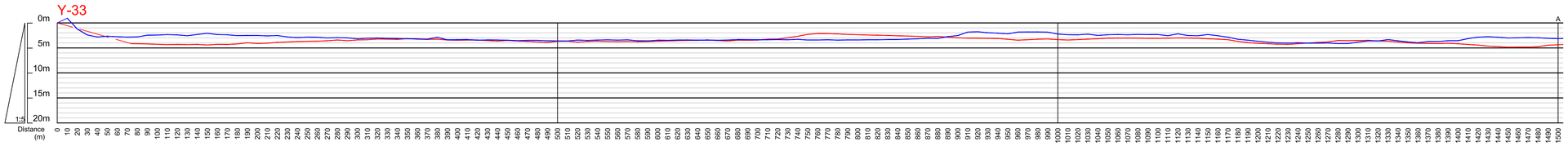
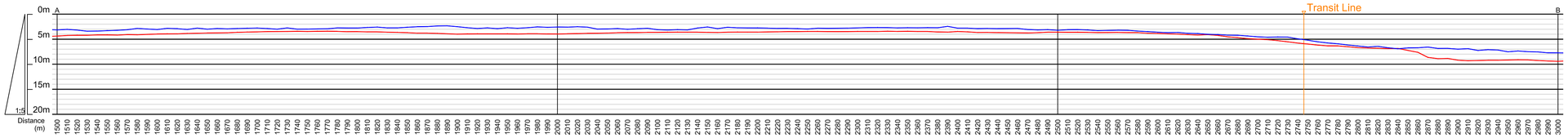
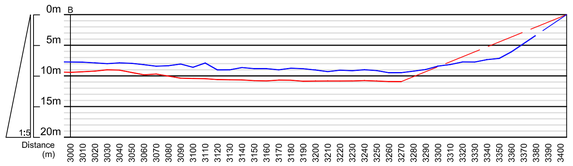
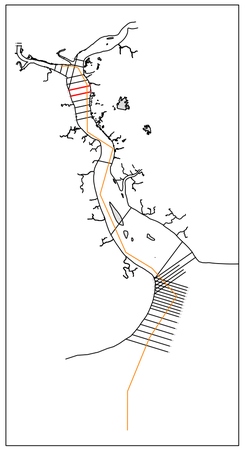
Ellipsoid	WGS - 84	Date of Drawing	15 Jan 2016
Datum Level	Chart Datum of Yangon Port	Sheet No.	Y-31 , Y-32
Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)



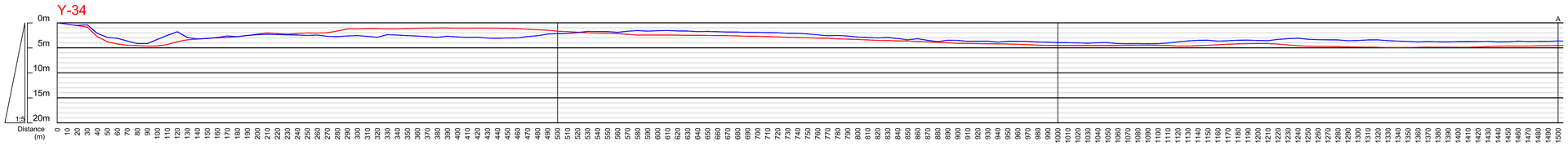


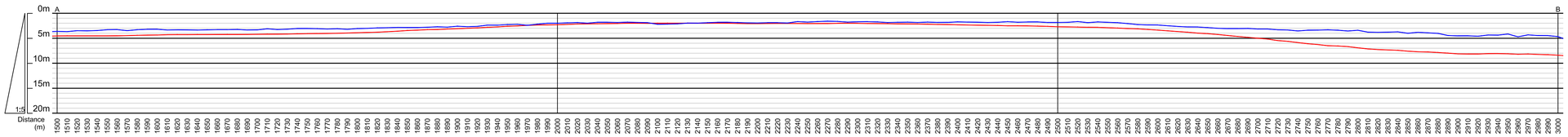


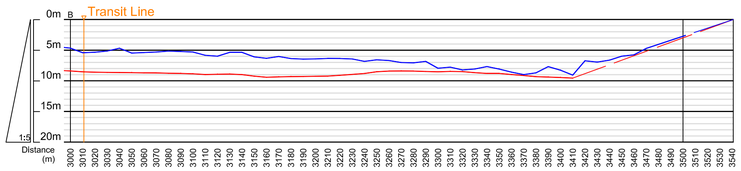


Y-33	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,850,655.52	201,079.41	0
Transit Line	1,851,236.44	203,763.24	2,746
Left Bank	1,851,375.95	204,407.79	3,405

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







Before Rainy Season

After Rainy Season

MYANMA PORT AUTHORITY (MPA)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

JICA STUDY TEAM

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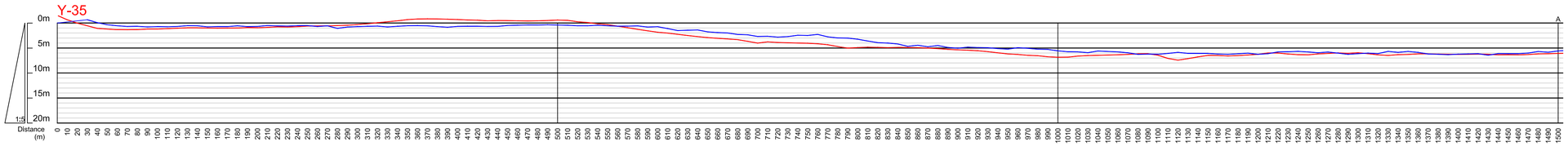
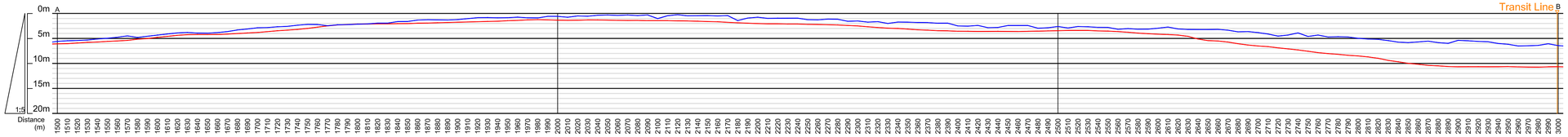
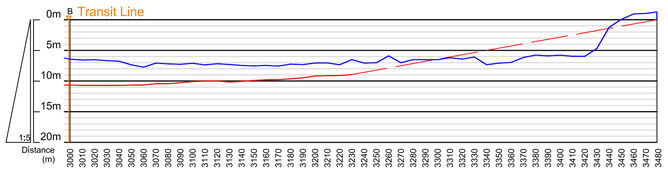
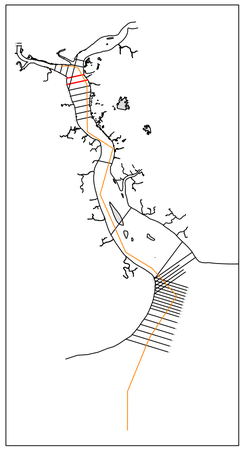
Datum Level	Chart Datum of Yangon Port	Sheet No.	Y-33 , Y-34
Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)



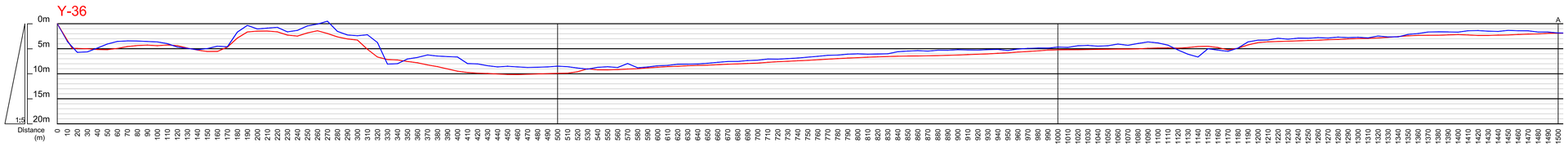


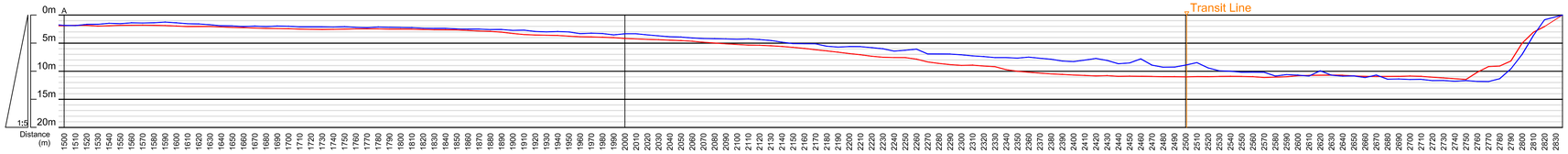




Y-35	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,852,573.23	200,485.24	0
Transit Line	1,853,207.67	203,416.36	2,999
Left Bank	1,853,309.14	203,885.14	3,479

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	2,836





Before Rainy Season

After Rainy Season

MYANMA PORT AUTHORITY (MPA)

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JICA STUDY TEAM

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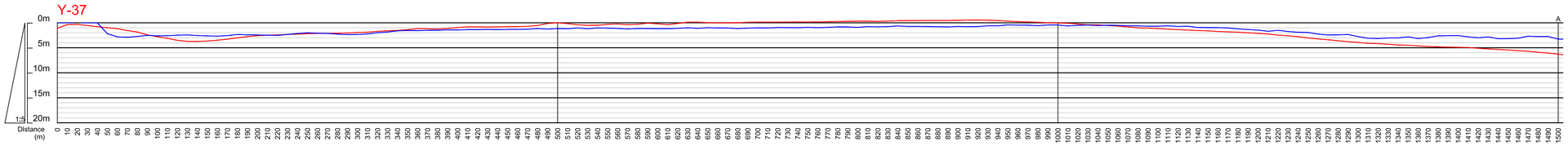
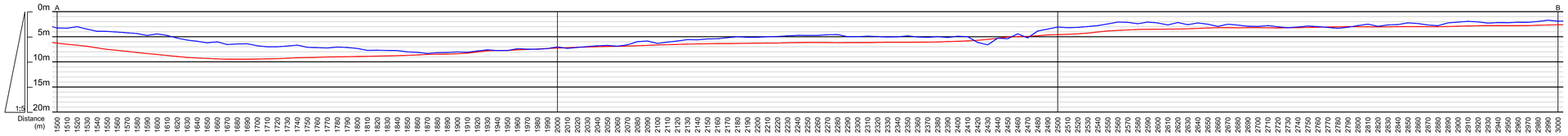
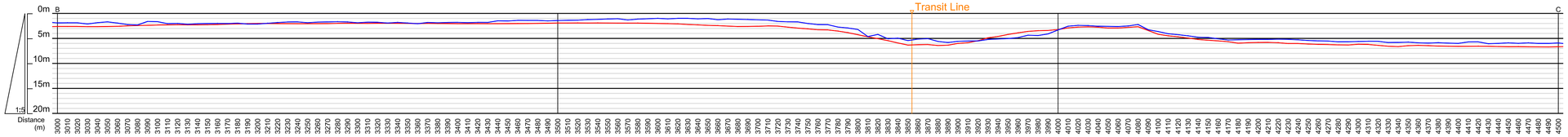
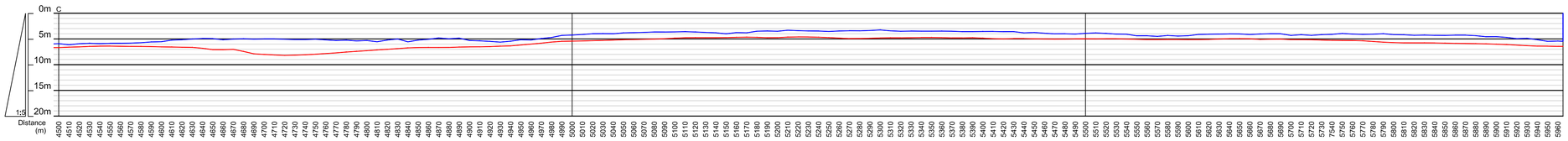
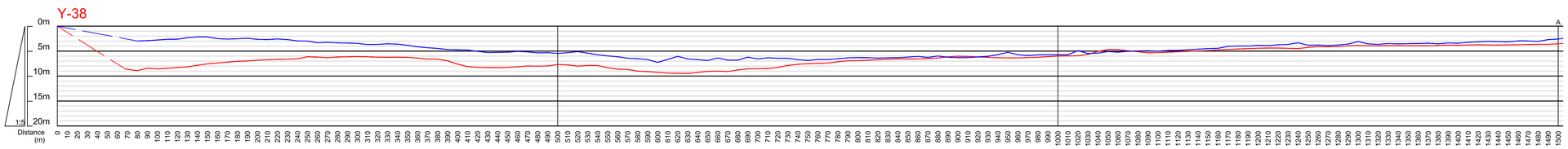
Ellipsoid	WGS - 84
Datum Level	Chart Datum of Yangon Port
Revision	1.0.0
Date of Survey	From 06 May 2015 to 07 Jun 2015 From 09 Nov 2015 to 09 Dec 2015
Date of Drawing	15 Jan 2016
Sheet No.	Y-35 , Y-36
Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)

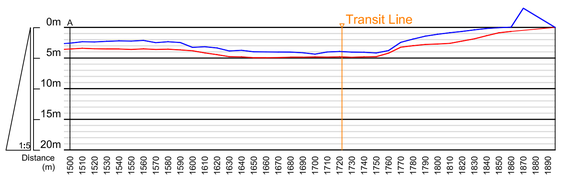


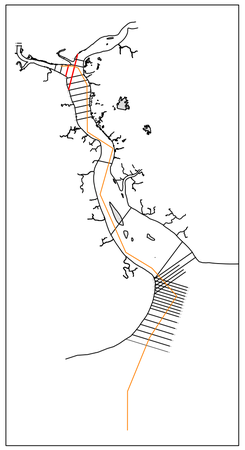












Y-37	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,851,736.07	200,761.09	0
Transit Line	1,855,471.09	201,711.63	3,854
Left Bank	1,857,517.06	202,232.31	5,965

Y-38	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

After 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.

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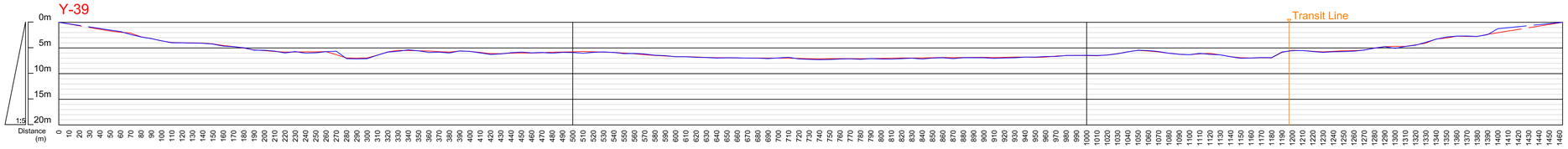
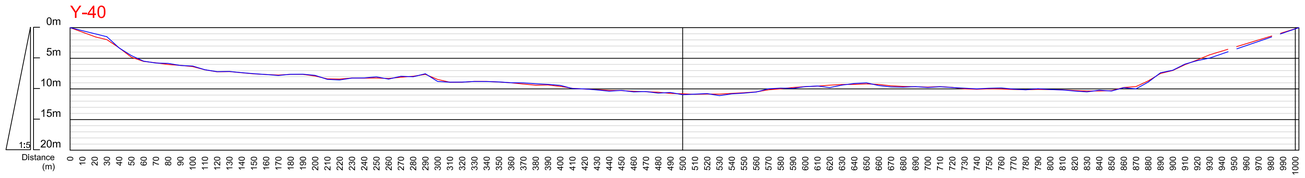
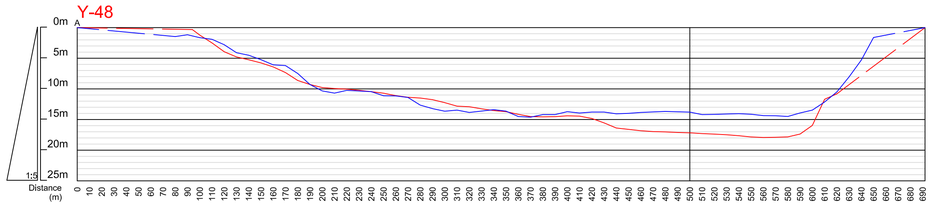
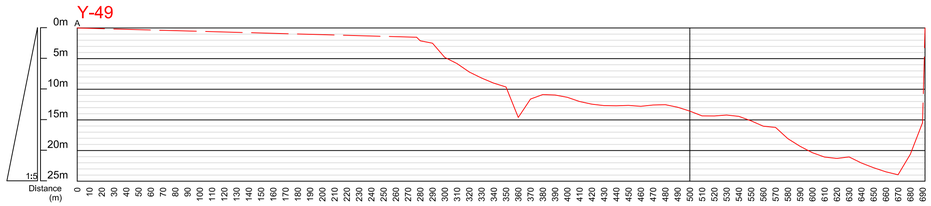
Drawing Title: Comparison of cross sections between before and after rainy season along the Yangon River, the Bago River and Pazundaung Creek

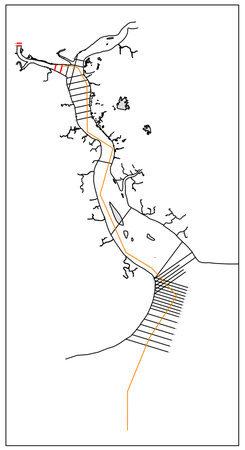
Projection	UTM Zone 47 N	Date of Survey	From 06 May 2015 to 07 Jun 2015 From 09 Nov 2015 to 09 Dec 2015
Ellipsoid	WGS - 84	Date of Drawing	15 Jan 2016
Datum Level	Chart Datum of Yangon Port	Sheet No.	Y-37 , Y-38
Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)











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-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

Y-49	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,859,768.56	192,352.21	0
Left Bank	1,859,764.79	193,044.46	692

Before Rainy Season

After Rainy Season

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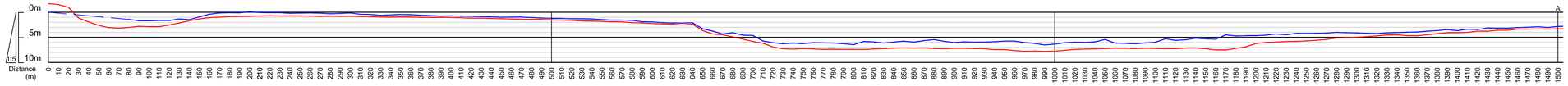
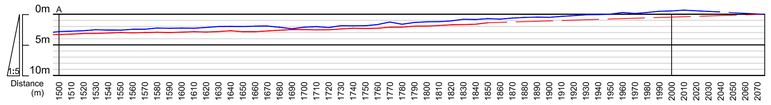
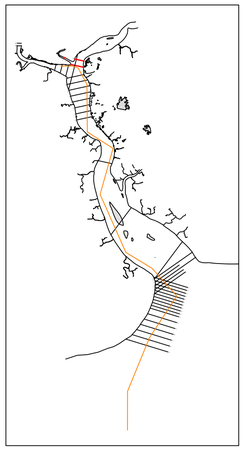
Datum Level	Chart Datum of Yangon Port	Sheet No.	Y-39 , Y-40 , Y-48 , Y-49
Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)

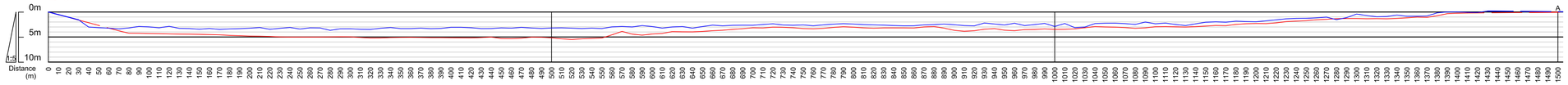
B-01

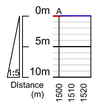




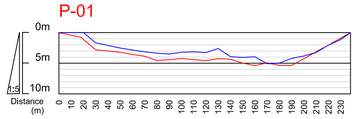


B-02





P-01



B-01	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,855,829.59	201,129.23	0
Left Bank	1,855,393.74	203,168.09	2,076

B-02	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,856,719.42	201,750.14	0
Left Bank	1,856,400.20	203,243.05	1,526

P-01	Northing(m)	Easting(m)	Distance(m)
Right Bank	1,856,771.88	199,955.37	0
Left Bank	1,856,986.46	200,059.16	238

Before Rainy Season

After Rainy Season

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Revision	1.0.0	Scale	H=2,500 V=1/500 (A1 Printing) H=5,000 V=1/1,000 (A3 Printing)