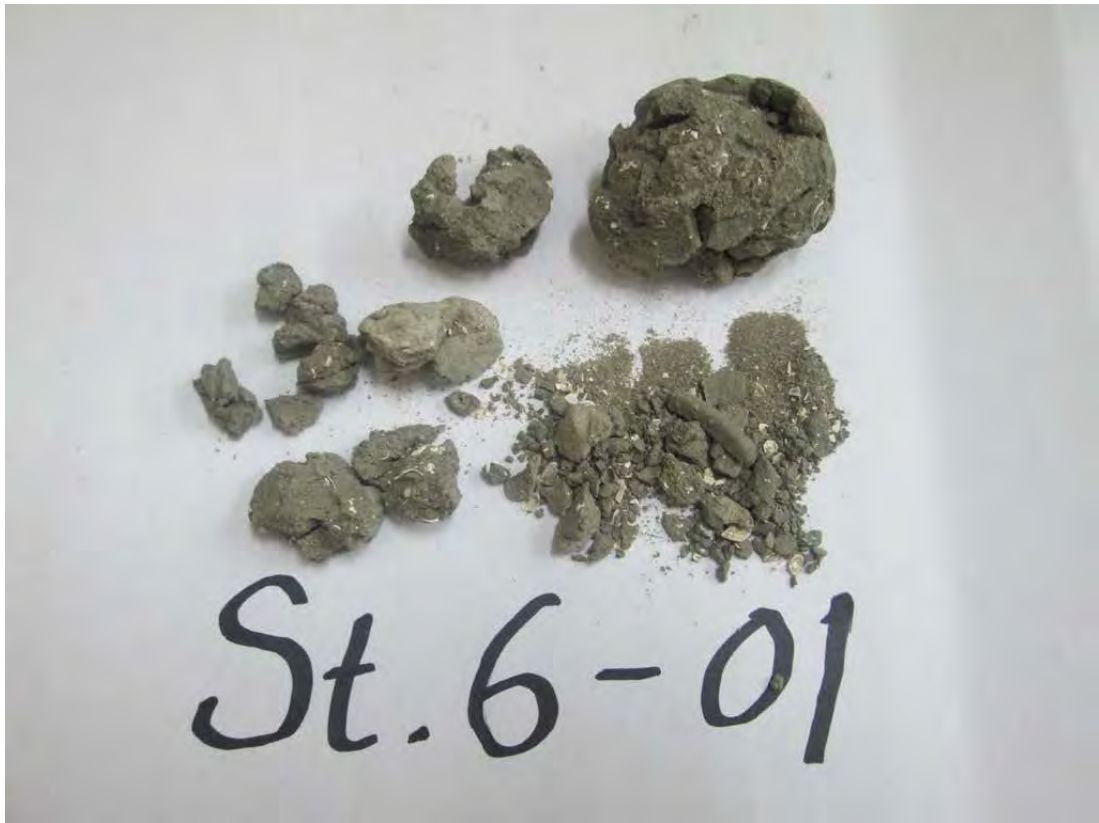


採泥点 Point	日時 Date and time		測位 Positioning	UTM X	UTM Y	緯度° Lat.	"	経度° Long.	"	手法 Method	粒度分析 Grain size analysis	底判		SBDARE			
												Japanese	English	Chart symbol	NATSUR ID		
St 6-01	2014/06/02	13:20	GNSS	338893.051	1188164.792	10	44	41.81580179999980	103	31	35.96914679999990	Dredging	—	砂、シルト、粘土	sand,silt,clay	S,Si,Cy	4,3,2
St 6-02	2014/06/02	14:00	GNSS	332767.621	1185064.355	10	42	59.93069099999990	103	28	14.86134599999990	Dredging	—	シルト、砂、粘土	silt,sand,clay	Si, S,Cy	3,4,2
St 6-03	2014/06/02	14:30	GNSS	329085.572	1185846.483	10	43	24.78501840000020	103	26	13.55193960000000	Dredging	—	シルト、砂、粘土	silt,sand,clay	Si, S,Cy	3,4,2
St 6-04	2014/06/02	15:15	GNSS	325904.081	1179994.233	10	40	13.78466159999990	103	24	29.83948320000010	Dredging	—	砂、シルト	sand,silt	S,Si	4,3
St 6-05	2014/06/03	9:15	GNSS	336182.906	1169979.918	10	34	49.50907200000000	103	30	9.66042000000009	Dredging	—	砂、シルト	sand,silt	S,Si	4,3
St 6-06	2014/06/03	10:20	GNSS	327069.078	1172096.785	10	35	56.94306900000020	103	25	9.49724459999999	Dredging	—	シルト、砂、粘土	silt,sand,clay	Si, S,Cy	3,4,2
St 6-07	2014/06/03	10:50	GNSS	330363.532	1175201.922	10	37	38.54576999999990	103	26	57.36812460000010	Lead	—	砂、貝殻	sand,shells	S,Sh	4,1,7
St 6-08	2014/06/03	11:15	GNSS	334543.199	1176587.309	10	38	24.30786360000010	103	29	14.66262959999990	Dredging	—	砂、シルト、貝殻	sand,silt,shells	S,Si,Sh	4,3,1,7
St 6-09	2014/06/03	11:35	GNSS	330826.074	1178388.710	10	39	22.34198640000000	103	27	12.06345000000010	Dredging	—	砂、シルト、貝殻	sand,silt,shells	S,Si,Sh	4,3,1,7
St 6-10	2014/06/03	12:00	GNSS	334434.177	1180673.827	10	40	37.29735480000000	103	29	10.41828240000000	Dredging	—	砂、シルト、貝殻	sand,silt,shells	S,Si,Sh	4,3,1,7
St 6-11	2014/06/03	12:20	GNSS	338238.946	1182841.684	10	41	48.45648480000010	103	31	15.28097879999990	Dredging	—	砂、シルト	sand,silt	S,Si	4,3
St 12-01	2014/12/15	10:10	GNSS	330238.484	1188709.274	10	44	58.15000000000120	103	26	51.02000000001800	Dredging	●	シルト、砂、粘土	silt,sand,clay	Si, S,Cy	3,4,2
St 12-02	2014/12/15	11:45	GNSS	327567.229	1172368.232	10	36	5.86000000000055	103	25	25.84000000002500	Dredging	●	シルト、砂、粘土	silt,sand,clay	Si, S,Cy	3,4,2
St 12-03	2014/12/15	13:00	GNSS	335318.837	1168500.450	10	34	1.22000000000127	103	29	41.46999999997200	Dredging	—	砂、シルト、貝殻	sand,silt,shells	S,Si,Sh	4,3,1,7
St 12-04	2014/12/15	13:37	GNSS	335032.941	1173749.166	10	36	52.01000000000200	103	29	31.22999999998100	Dredging	●	砂、シルト、粘土	sand,silt,clay	S,Si,Cy	4,3,2
St 12-05	2014/12/16	14:05	GNSS	337398.694	1172804.146	10	36	21.62196839999980	103	30	49.21292159999990	Dredging	●	砂、シルト、粘土	sand,silt,clay	S,Si,Cy	4,3,2
St 12-06	2014/12/16	16:05	GNSS	333666.870	1176043.285	10	38	6.46173059999995	103	28	45.91656540000000	Dredging	●	砂、粘土、シルト	sand,clay,silt	S,Cy,Si	4,2,3

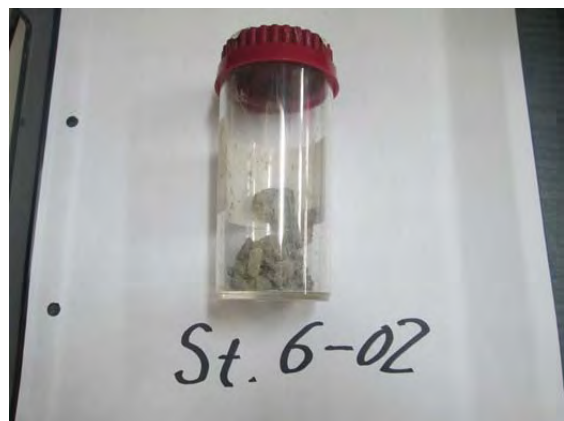
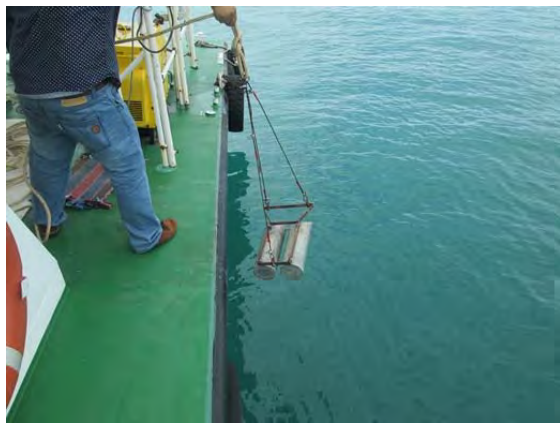
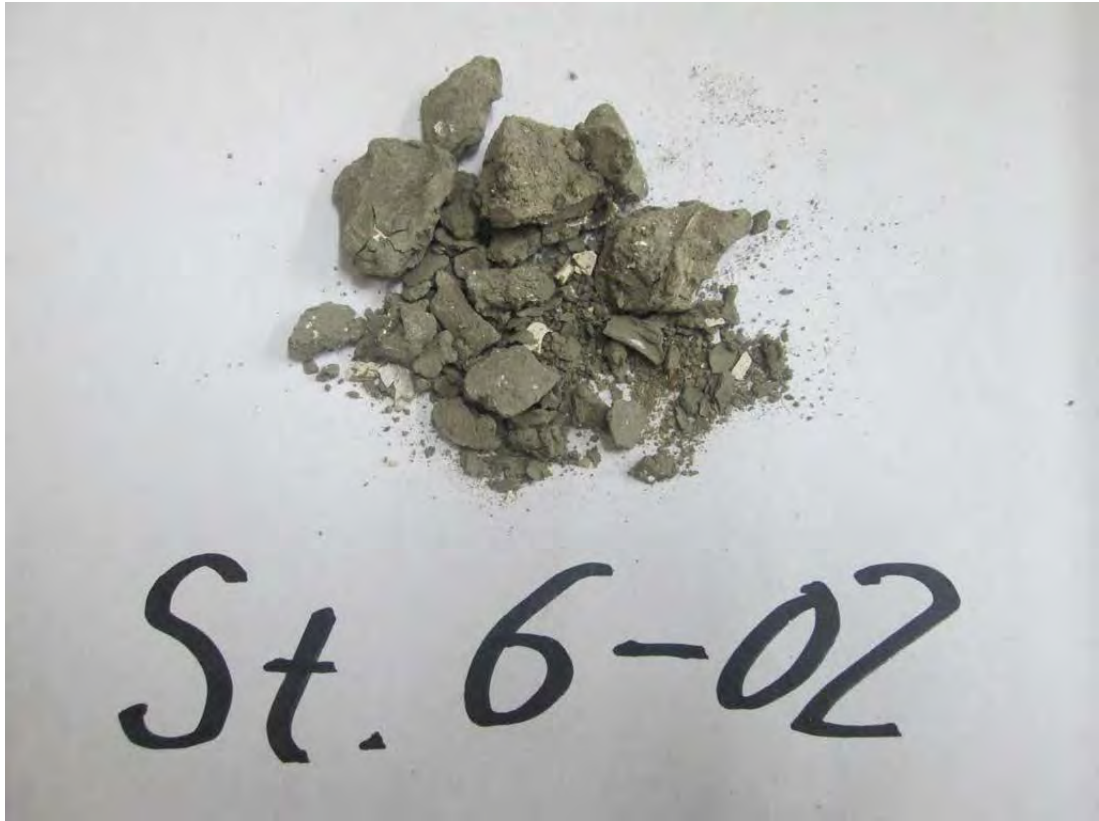
St 6-01

Date: 2014.06.02



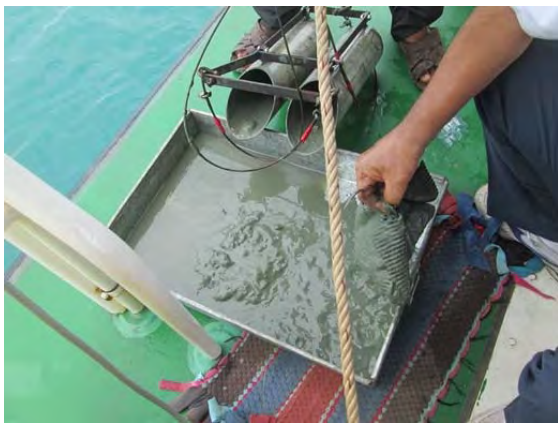
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Date: 2014.06.02



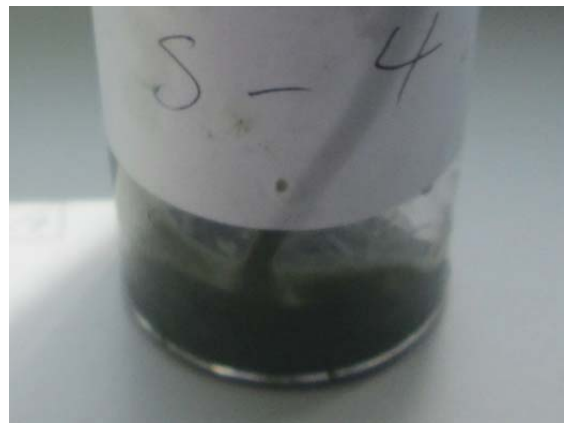
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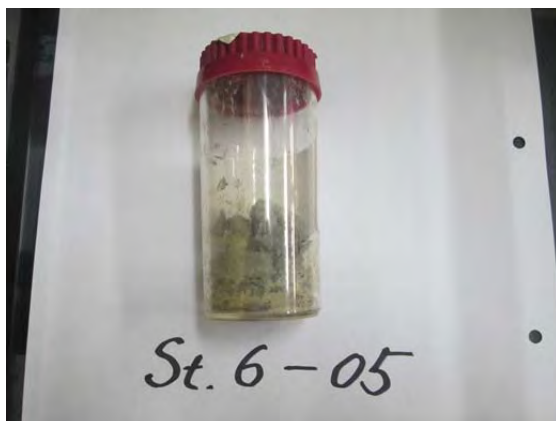
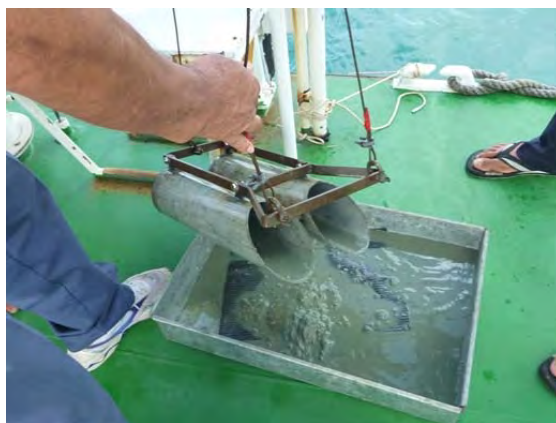
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Date: 2014.06.02



St 6-05

Date: 2014.06.03



St 6-06

Date: 2014.06.03



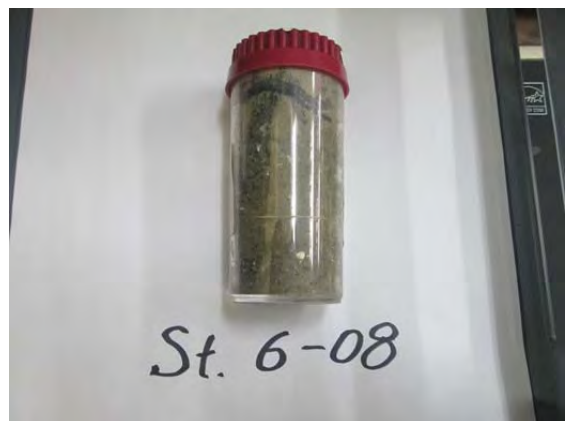
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Date: 2014.06.03



St 6-08

Date: 2014.06.03



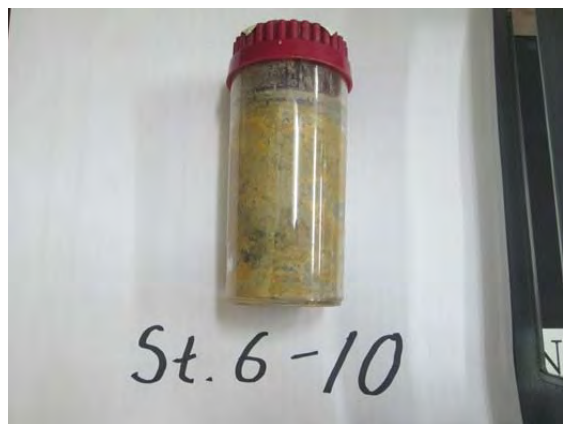
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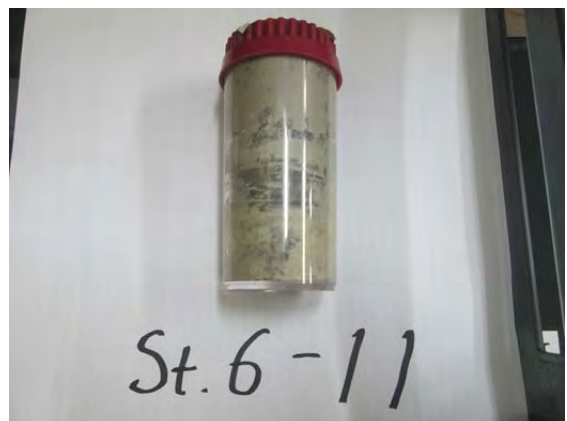
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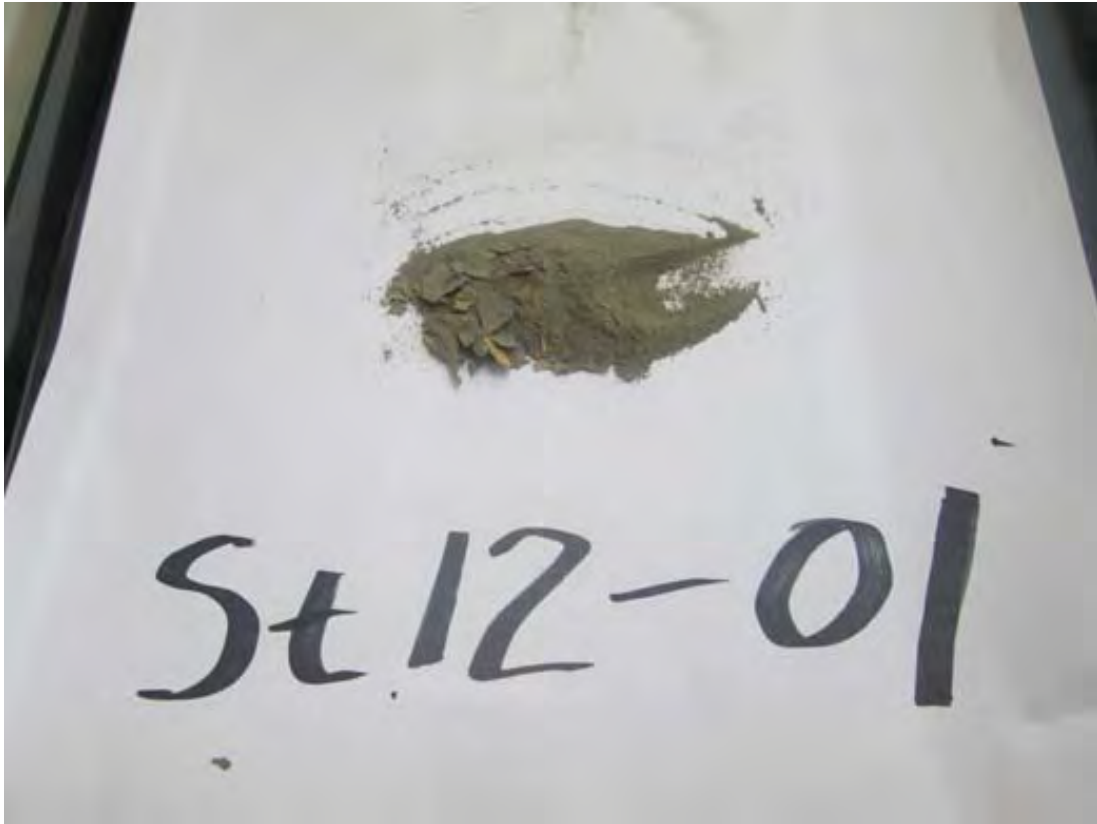
St 6-11

Date: 2014.06.03



St 12-01

Date: 2014.12.15





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GRAIN-SIZE ANALYSIS		Sample Description :					
Project Name	: ENC Project for Ministry of Public Works and Transport in Sihanouk Ville Port in Cambodia	Clay :	15 %				
Customer Name	: AERO ASAHI CORPORATION Testing Date : 17-Feb-2015	Silt :	45 %				
Site Location	: Sihanouk Ville Port Sample No. : 1	Sand :	40 %				
<p>PARTICLE SIZE DISTRIBUTION CURVE</p>		Gravel :	0 %				
		Grain size(mm)	%passing	HYDROMETER TEST			
		0.00129	12.40				
		0.00215	12.40				
		0.00364	14.31				
		0.00445	14.31				
		0.00626	16.22				
		0.00885	16.22				
		0.01252	16.22				
		0.01714	16.22				
		0.02415	18.13				
		0.03369	21.94				
		0.075	60.19	SIEVE TEST			
		0.125	73.95				
		0.250	86.79				
0.425	94.46						
1	97.62						
2	98.79						
4.75	100.00						
8							
19							
31.5							
CLAY	SILT	Fine	Medium	Coarse	GRAVEL	Cobble	Remark : $G_s=2.637$
HYDROMETER TEST		SIEVE TEST					

Prepared by :

 Mr.Meng Leang

Checked by :

 Mr.Pich Vuthy

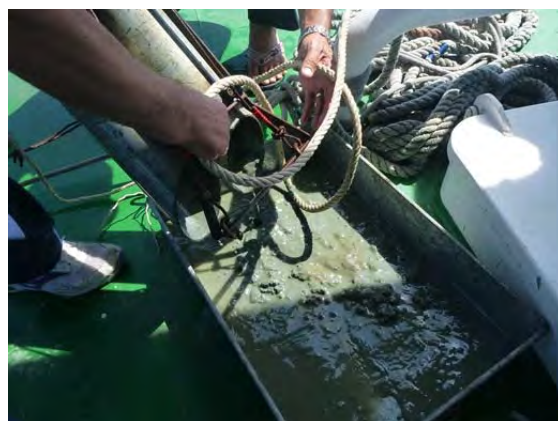
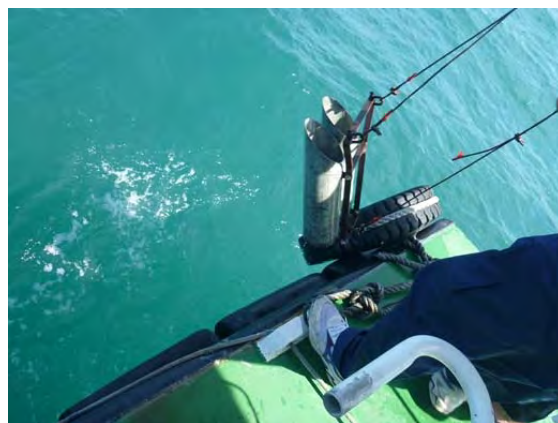
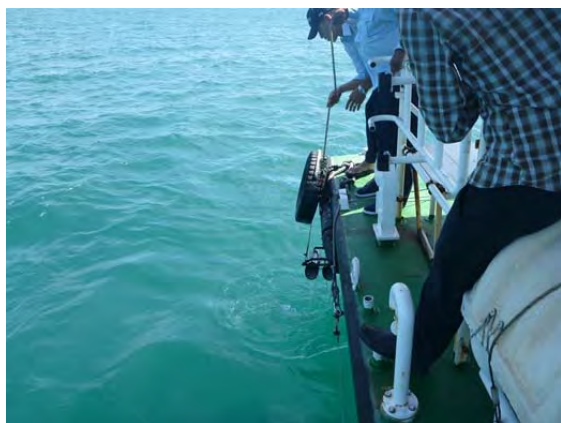
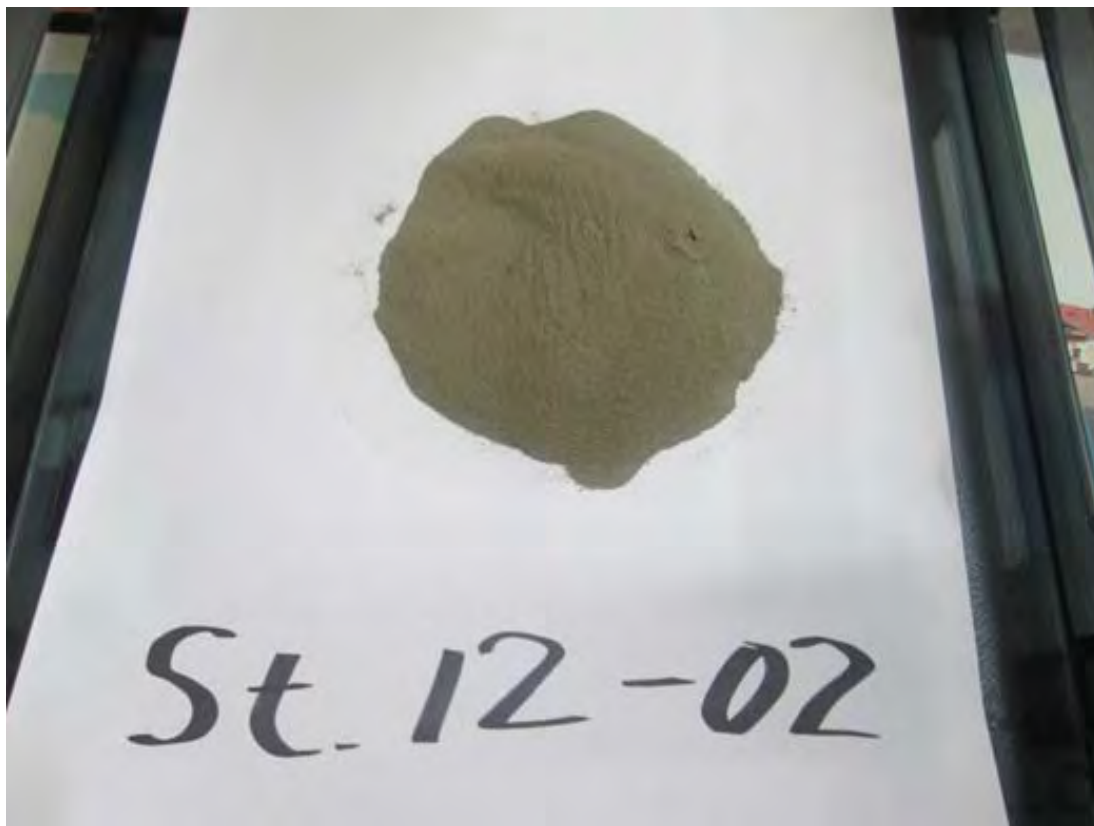
Approved by :
 General Director of Laboratory,

KHUN SRUN
 23 FEB 2015

Appendix 6 : Bottom sampling and Grain size analysis result

St 12-02

Date: 2014.12.15





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GRAIN-SIZE ANALYSIS						Sample Description :			
Project Name		: ENC Project for Ministry of Public Works and Transport in Sihanouk Ville Port in Cambodia				Clay	14 %		
Customer Name		: AERO ASAHI CORPORATION		Testing Date : 17-Feb-2015		Silt	45 %		
Site Location		: Sihanouk Ville Port		Sample No. : 2		Sand	41 %		
						Gravel	0 %		
<p style="text-align: center;">PARTICLE SIZE DISTRIBUTION CURVE</p>						Grain size(mm)	%passing	HYDROMETER TEST	
						0.00129	13.05		
0.00219	13.05								
0.00364	15.06								
0.00445	15.06								
0.00626	17.07								
0.00885	17.07								
0.01247	19.08								
0.01696	21.09								
0.02382	23.10								
0.03357	25.10	SIEVE TEST							
0.075	58.56								
0.125	75.15								
0.250	92.46								
0.425	98.45								
1	99.14								
2	100.00								
4.75	100.00								
8									
19									
31.5									
CLAY	SILT	Fine	Medium	Coarse	GRAVEL	Cobble	Remark :	G _s =2.635	
HYDROMETER TEST		SAND						SIEVE TEST	

Prepared by :

Mr.Meng Leang

Checked by :

Mr.Pich Vuthy

Approved by :
 General Director of Laboratory.

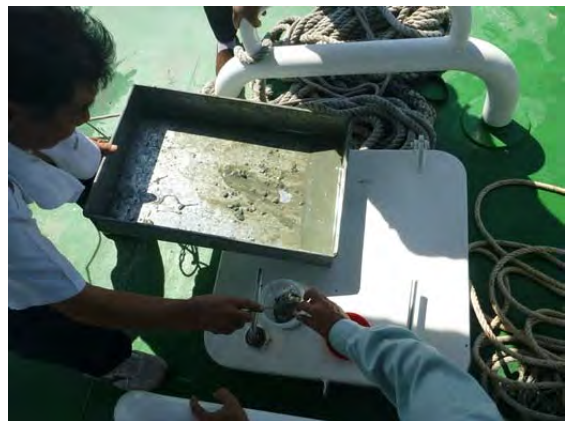
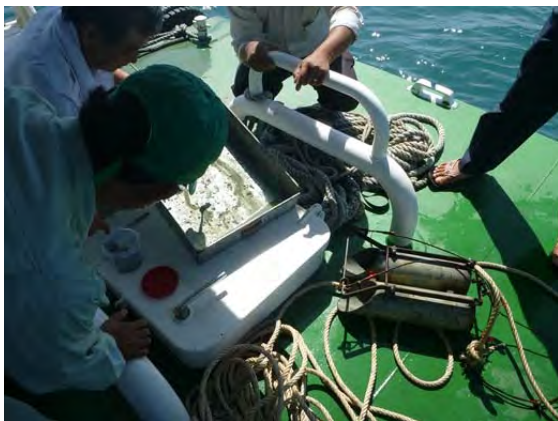
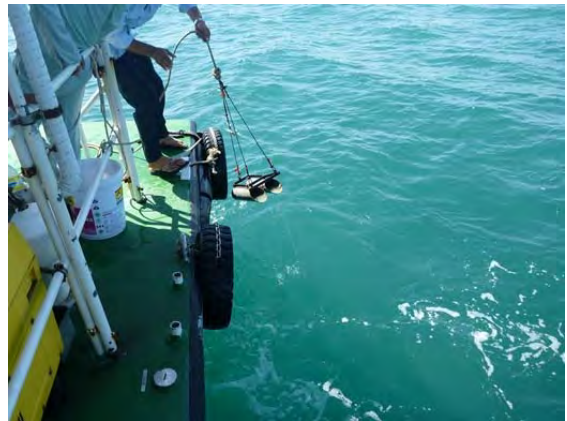


KHUN SRUN

23 FEB 2015

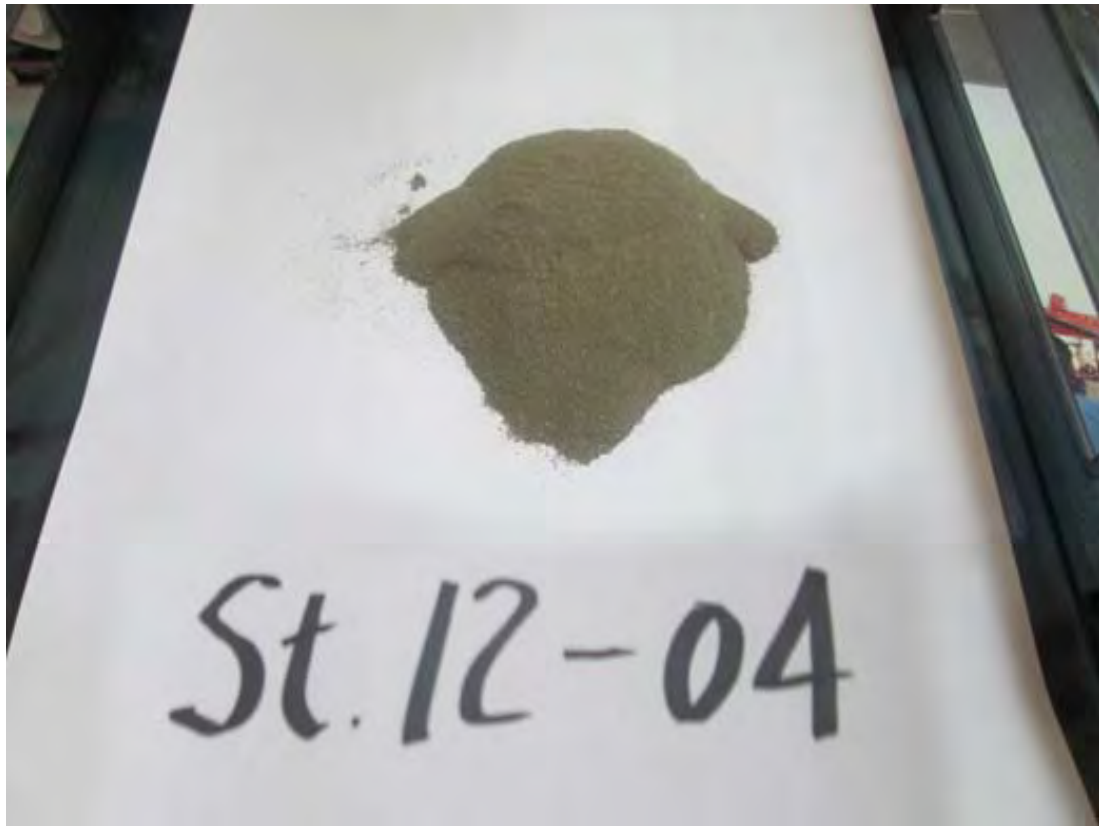
St 12-03

Date: 2014.12.15



St 12-04

Date: 2014.12.15





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GRAIN-SIZE ANALYSIS						Sample Description :		
Project Name		: ENC Project for Ministry of Public Works and Transport in Sihanouk Ville Port in Cambodia				Clay :		15 %
Customer Name		: AERO ASAHI CORPORATION		Testing Date		: 17-Feb-2015		
Site Location		: Sihanouk Ville Port		Sample No.		: 4		
<p>PARTICLE SIZE DISTRIBUTION CURVE</p>								
						Grain size(mm)	%passing	
						0.00129	11.92	HYDROMETER TEST
						0.00197	11.92	
						0.00364	13.75	
						0.00445	13.75	
						0.00626	15.59	
						0.00885	15.59	
						0.01252	15.59	
						0.01714	15.59	
						0.02415	17.42	SIEVE TEST
						0.03393	21.09	
						0.075	29.86	
						0.125	33.86	
						0.250	72.53	
						0.425	90.77	
						1	97.36	
						2	98.79	
						4.75	100.00	
						8		
						19		
						31.5		
CLAY		SILT		Fine	Medium	Coarse	GRAVEL	Cobble
				SAND				
HYDROMETER TEST								
						Remark :	G _s =2.639	

Prepared by :

 Mr. Meng Leang

Checked by:

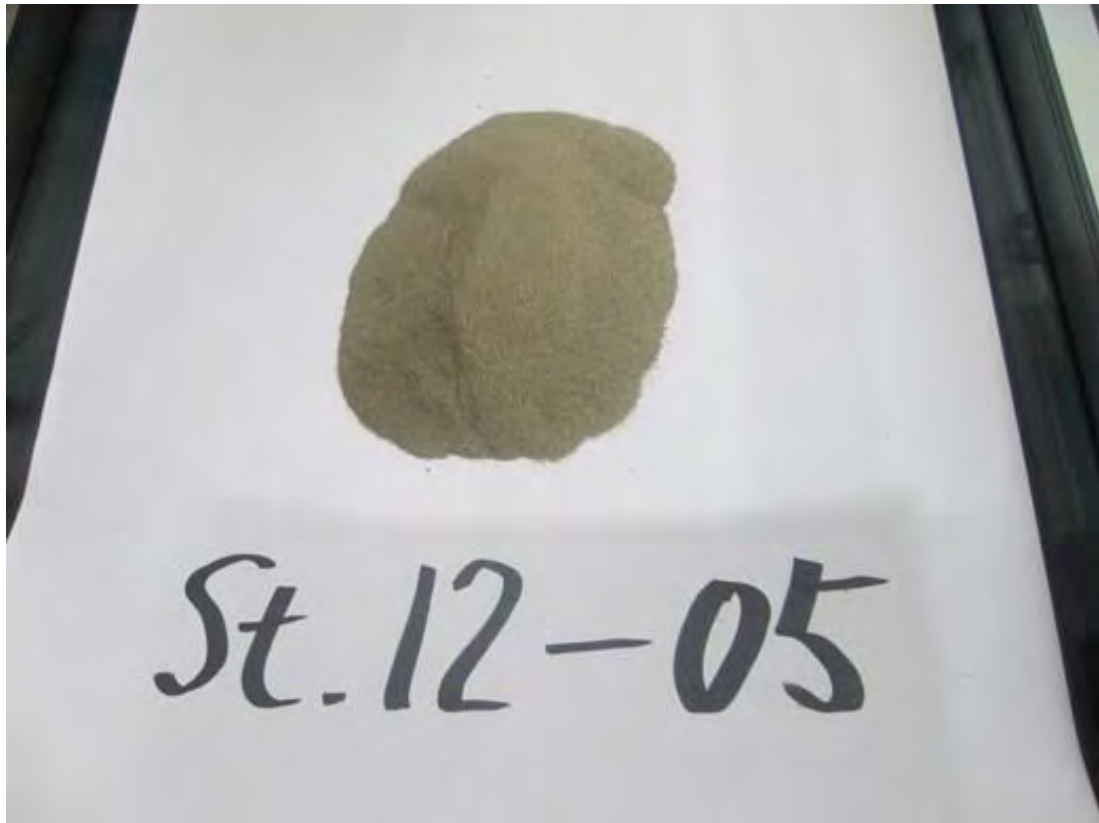
 Mr. Pich Vuthy

Approved by :
 General Director of Laboratory,

KHUN SRUN
 23 FEB 2015

St 12-05

Date: 2014.12.16





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GRAIN-SIZE ANALYSIS						Sample Description :			
Project Name		: ENC Project for Ministry of Public Works and Transport in Sihanouk Ville Port in Cambodia				Clay :	15 %		
Customer Name		: AERO ASAHI CORPORATION		Testing Date : 17-Feb-2015		Silt :	22 %		
Site Location		: Sihanouk Ville Port		Sample No. : 5		Sand :	63 %		
<p style="text-align: center;">PARTICLE SIZE DISTRIBUTION CURVE</p>						Gravel :	0 %		
						Grain size(mm)		%passing	
0.00111		14.32							
0.00154		14.32							
0.00364		14.32							
0.00445		14.32							
0.00630		14.32							
0.00885		16.23							
0.01252		16.23							
0.01714		16.23							
0.02424		16.23							
0.03416		18.14							
0.075		37.47		SIEVE TEST					
0.125		50.76							
0.250		82.14							
0.425		94.54							
1		99.06							
2		99.82							
4.75		100.00							
8									
19									
31.5									
CLAY		SILT		Fine	Medium	Coarse	GRAVEL	Cobble	Remark : $G_s=2.652$
HYDROMETER TEST		SAND		SIEVE TEST					

Prepared by :

 Mr. Meng Leang

Checked by :

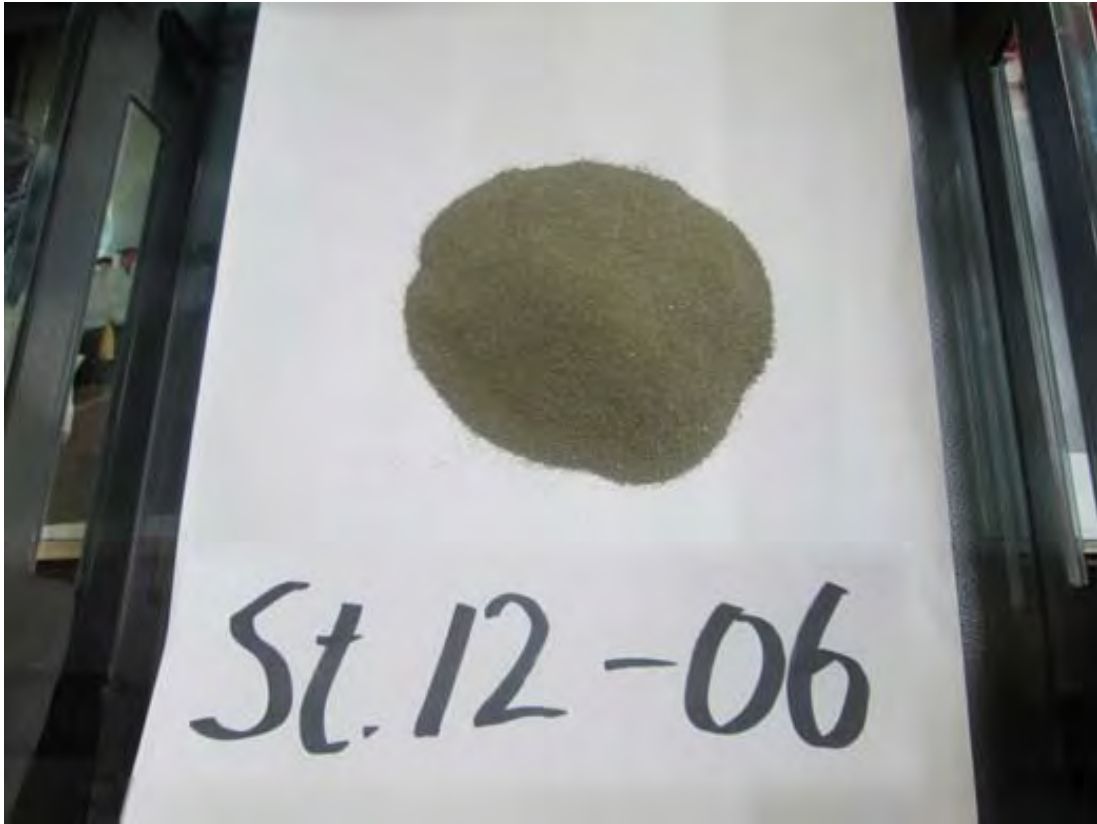
 Mr. Pich Vuthy

Approved by :
 General Director of Laboratory

KHUN SRUN
 23 FEB 2015

St 12-06

Date: 2014.12.16





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GRAIN-SIZE ANALYSIS					Sample Description :																																										
Project Name	: ENC Project for Ministry of Public Works and Transport in Sihanouk Ville Port in Cambodia				Clay :	9 %																																									
Customer Name	: AERO ASAHI CORPORATION				Silt :	2 %																																									
Site Location	: Sihanouk Ville Port				Sand :	89 %																																									
					Gravel :	0 %																																									
<p align="center">PARTICLE SIZE DISTRIBUTION CURVE</p>					Grain size(mm)	%passing																																									
					<table border="1"> <tr><td>0.00110</td><td>8.95</td><td rowspan="9">HYDROMETER TEST</td></tr> <tr><td>0.00153</td><td>8.95</td></tr> <tr><td>0.00360</td><td>8.95</td></tr> <tr><td>0.00441</td><td>8.95</td></tr> <tr><td>0.00624</td><td>8.95</td></tr> <tr><td>0.00883</td><td>8.95</td></tr> <tr><td>0.01248</td><td>8.95</td></tr> <tr><td>0.01698</td><td>10.33</td></tr> <tr><td>0.02401</td><td>10.33</td></tr> <tr><td>0.03396</td><td>10.33</td></tr> <tr><td>0.075</td><td>11.02</td><td rowspan="8">SIEVE TEST</td></tr> <tr><td>0.125</td><td>14.23</td></tr> <tr><td>0.250</td><td>22.11</td></tr> <tr><td>0.425</td><td>68.87</td></tr> <tr><td>1</td><td>90.40</td></tr> <tr><td>2</td><td>95.57</td></tr> <tr><td>4.75</td><td>100.00</td></tr> <tr><td>8</td><td></td></tr> <tr><td>19</td><td></td></tr> <tr><td>31.5</td><td></td></tr> <tr><td>75</td><td></td></tr> </table>		0.00110	8.95	HYDROMETER TEST	0.00153	8.95	0.00360	8.95	0.00441	8.95	0.00624	8.95	0.00883	8.95	0.01248	8.95	0.01698	10.33	0.02401	10.33	0.03396	10.33	0.075	11.02	SIEVE TEST	0.125	14.23	0.250	22.11	0.425	68.87	1	90.40	2	95.57	4.75	100.00	8		19		31.5
0.00110	8.95	HYDROMETER TEST																																													
0.00153	8.95																																														
0.00360	8.95																																														
0.00441	8.95																																														
0.00624	8.95																																														
0.00883	8.95																																														
0.01248	8.95																																														
0.01698	10.33																																														
0.02401	10.33																																														
0.03396	10.33																																														
0.075	11.02	SIEVE TEST																																													
0.125	14.23																																														
0.250	22.11																																														
0.425	68.87																																														
1	90.40																																														
2	95.57																																														
4.75	100.00																																														
8																																															
19																																															
31.5																																															
75																																															
CLAY	SILT	Fine	Medium	Coarse	GRAVEL	Cobbil	Remark : $G_s=2.659$																																								
HYDROMETER TEST		SAND						SIEVE TEST																																							

Prepared by :

 Mr.Meng Leang

Checked by :

 Mr.Pich Vuthy

Approved by :
 General Director of Laboratory

KHUN SRUN
 23 FEB 2015