

START DATE: 07.07.2011 END DATE: 07.07.2011	CASING DIAMETER (M): 127	BOREHOLE No. BH-SE-19
DRILLING METHOD: Dry rotary (single-tube) DRILLING EQUIPMENT: УГБ-50М DRILLING CONTRACTOR: GeoEng. DRILLER: G. Lomidze	DRILLING DIAMETER (M): 152; 132; 112	Coordinates: X(m): 38T 282002.51 Y(m): 4670411.01 Z(m): 19.46

Depth, m	SAMPLE/CORE RECOVERY						LITHOLOGIC SYMBOL	DESCRIPTION OF STRATA	PP kg/cm ² (pocket Penetrometer)	Standard Penetration Test			
	Depth of base of layer, m	TYPE: U - undisturbed D - Disturbed	Sample No Sample section	TCR %	SCR %	RQD %				0-15cm	15-30cm	30-45cm	SPT N-blows
0.0													0 10 20 30 40 50
1.3		D	1 0.5-1.3					Moist, grayish, soft to firm, organic intermediately plastic silty CLAY with a little rounded gravel content and					
		D	2 1.4-1.55					Saturated, grayish, loose, silty SAND with a little rounded gravel content					
3.4		D	3 3.2-3.4										
		D	4 4.1-4.4					Saturated, grayish-brownish, dense, rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions	16	25	26		
		D	5 7.2-7.6						17	22	19		

REMARKS: SPT not performed TCR - total core recovery SCR - solid core recovery	GROUND WATER INFLOW LEVEL AT (m) - 1.26 GROUND WATER STANDING LEVEL (m) - 1.26	Logged by: S. Lomidze
GEOENGINEERING	<i>Project Name:</i> Geotechnical Investigation for New Kutaisi Bypass-Samtredia Road Section of the Preparation of Detail Design and Construction Supervision of Zestafoni-Kutaisi-Samtredia Road Section of the E-60 Highway in Georgia	Contract No.GC-1128
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START DATE: 07.07.2011 END DATE: 07.07.2011	CASING DIAMETER (M): 127	BOREHOLE No. BH-SE-19
DRILLING METHOD: Dry rotary (single-tube) DRILLING EQUIPMENT: УГБ-50М DRILLING CONTRACTOR: GeoEng. DRILLER: G. Lomidze	DRILLING DIAMETER (M): 152,132; 112	Coordinates: X(m): 38T 282002.51 Y(m): 4670411.01 Z(m): 19.46

Depth, m	SAMPLE/CORE RECOVERY						LITHOLOGIC SYMBOL	DESCRIPTION OF STRATA	PP kg/cm ² (pocket Penetrometer)	Standard Penetration Test			
	Depth of base of layer, m	TYPE: U - undisturbed D - Disturbed	Sample No Sample section	TCR %	SCR %	RQD %				0-15cm	15-30cm	30-45cm	SPT N-blows
0.0													
8.0	8.5							Saturated, grayish-brownish, dense, rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions					
9.0		D	6 8.7-8.9										
10.0		D	7 9.9-10.2					Saturated, grayish, dense silty SAND with a little rounded gravel content	12	19	17		
11.0	11.3												
12.0													
13.0													
14.0													
15.0	15.0	D	8 13.1-13.5					Saturated, grayish-brownish, dense, rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions	25	22	22		

REMARKS: SPT not performed TCR - total core recovery SCR - solid core recovery	GROUND WATER INFLOW LEVEL AT (m) - 1.26 GROUND WATER STANDING LEVEL (m) - 1.26	Logged by: S. Lomidze
GEOENGINEERING	Project Name: Geotechnical Investigation for New Kutaisi Bypass-Samtredia Road Section of the Preparation of Detail Design and Construction Supervision of Zestafoni-Kutaisi-Samtredia Road Section of the E-60 Highway in Georgia	Contract No.GC-1128
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START DATE: 26.06.2011 END DATE: 30.06.2011	CASING DIAMETER (M): 146-108	BOREHOLE No. BH-SB2-1
DRILLING METHOD: Dry rotary (single-tube) DRILLING EQUIPMENT: UGB50 DRILLING CONTRACTOR: GeoEng. DRILLER: M. Duluzauri	DRILLING DIAMETER (M): 152-92	Coordinates: X(m): 38T 281244.12 Y(m): 4669964.91 Z(m): 19.97

Depth, m	SAMPLE/CORE RECOVERY						LITHOLOGIC SYMBOL	DESCRIPTION OF STRATA	PP kg/cm ² (pocket Penetrometer)	Standard Penetration Test			
	Depth of base of layer, m	TYPE: U - undisturbed D - Disturbed	Sample No Sample section	TCR %	SCR %	RQD %				0-15cm	15-30cm	30-45cm	SPT N-blows
0.0													
0.5								Moist, brown, stiff, intermediately plastic sandy CLAY with plant roots and with a little rounded gravel content (TOPSOIL)					
1.0		D	1 0.0-2.0										
2.0								Moist, brownish-grayish, soft to firm, intermediately plastic silty CLAY with a little rounded gravel content	1	2	2		
3.0													
4.0		U	2 4.0-4.2						2	1	2		
4.4													
5.0													
6.0													
7.0		D	3 5.0-9.0					Very moist, brown, firm, low plastic sandy clayey SILT with a little rounded gravel content	4	5	4		
8.0													
9.0													
10.0		U	4 10.3-10.5						5	7	10		
10.8													
11.0								Saturated, brownish, rounded GRAVEL with intermediately plastic sandy clay matrix, with rounded cobbles and occasionally boulders inclusions					
11.9									18	24	30		
12.0													
13.0													
14.0		D	5 12.0-15.0					Saturated, grayish-brownish, very dense, rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions					
15.0									20	30	36		

REMARKS: SPT not performed TCR - total core recovery SCR - solid core recovery	GROUND WATER INFLOW LEVEL AT (m) 2.5 GROUND WATER STANDING LEVEL (m) - 2.5	Logged by: N. Duluzauri
GEOENGINEERING	<i>Project Name:</i> Geotechnical Investigation for New Kutaisi Bypass-Samtredia Road Section of the Preparation of Detail Design and Construction Supervision of Zestafoni-Kutaisi-Samtredia Road Section of the E-60 Highway in Georgia	Contract No.GC-1128
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START DATE: 26.06.2011 END DATE: 30.06.2011	CASING DIAMETER (M): 146-108	BOREHOLE No. BH-SB2-1
DRILLING METHOD: Dry rotary (single-tube) DRILLING EQUIPMENT: UGB50 DRILLING CONTRACTOR: GeoEng. DRILLER: M. Duluzauri	DRILLING DIAMETER (M): 152-92	Coordinates: X(m): 38T 281244.12 Y(m): 4669964.91 Z(m): 19.97

	SAMPLE/CORE RECOVERY						LITHOLOGIC SYMBOL	DESCRIPTION OF STRATA	Standard Penetration Test			
	Depth of base of layer, m	TYPE: U - undisturbed D - Disturbed	Sample No Sample section	TCR %	SCR %	RQD %			0-15cm	15-30cm	30-45cm	SPT N-blows
15.0												
16.0												
17.0									32	37	39	
18.0		D	6 16.0-19.0					Saturated, grayish-brownish, very dense, rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions				
19.0												
20.0		U	7 22.1-22.3						38	44	45	
21.0	21.3											
22.0	22.5							Moist, bluish-grayish, stiff, intermediately plastic silty CLAY with a little rounded gravel content (with organic content)	10	11	12	
23.0												
24.0												
25.0									40	50	-	
26.0		D	8 24.0-27.0					Saturated, grayish-brownish, very dense, rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions				
27.0												
28.0												
29.0												
30.0	30.0											

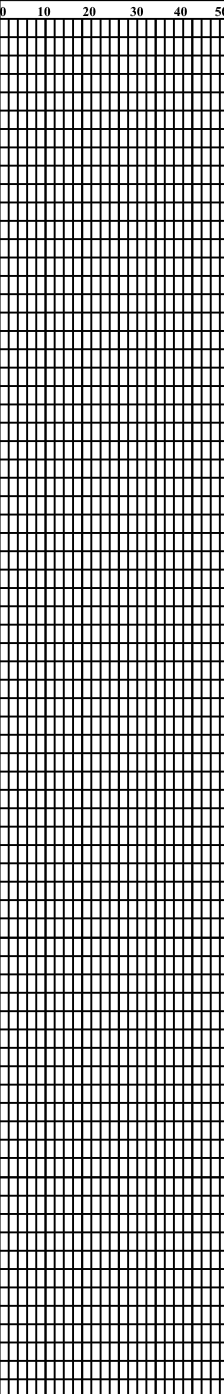
REMARKS: SPT not performed TCR - total core recovery SCR - solid core recovery	GROUND WATER INFLOW LEVEL AT (m) 2.5 GROUND WATER STANDING LEVEL (m) - 2.5	Logged by: N. Duluzauri
GEOENGINEERING	<i>Project Name:</i> Geotechnical Investigation for New Kutaisi Bypass-Samtredia Road Section of the Preparation of Detail Design and Construction Supervision of Zestafoni-Kutaisi-Samtredia Road Section of the E-60 Highway in Georgia	Contract No.GC-1128
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START DATE: 03.07.2011 END DATE: 04.07.2011	CASING DIAMETER (M): 146-127	BOREHOLE No. BH-SE-20
DRILLING METHOD: Dry rotary (single-tube) DRILLING EQUIPMENT: УГБ-50 DRILLING CONTRACTOR: GeoEng. DRILLER: G. Lomidze	DRILLING DIAMETER (M): 152-132 -112	Coordinates: X(m): 38T 280461.17 Y(m): 4669542.51 Z(m): 20.95

Depth, m	SAMPLE/CORE RECOVERY						LITHOLOGIC SYMBOL	DESCRIPTION OF STRATA	PP kg/cm ² (pocket Penetrometer)	Standard Penetration Test			
	Depth of base of layer, m	TYPE: U - undisturbed D - Disturbed	Sample No Sample section	TCR %	SCR %	RQD %				0-15cm	15-30cm	30-45cm	SPT N-blows
0.0	0.4							Moist, brown, stiff, intermediately plastic sandy CLAY with plant roots and with a little rounded gravel content (TOPSOIL)					
1.0		D	1 0.0-2.0										
2.0		U	2 2.0-2.3					Moist, brown, stiff, intermediately plastic silty CLAY with a little rounded gravel content and with organic content	1	1	1		
3.0									2	2	3		
4.0		U	3 4.1-4.3										
5.0									2	4	4		
6.0		U	4 6.0-6.8										
7.0									2	3	3		
8.0		U	5 8.0-8.3										
9.0									2	2	2		
10.0								Saturated, grayish, loose, silty-clayey SAND with a little rounded gravel content					
11.0													
12.0		U	6 11.5-11.7						2	2	3		
13.0													
14.0	14.3	U	7 13.4-13.6						2	2	3		
15.0		D	8 14.0-15.0					Saturated, grayish-brownish, dense, rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions					

REMARKS: SPT not performed TCR - total core recovery SCR - solid core recovery	GROUND WATER INFLOW LEVEL AT (m) - 1.5 GROUND WATER STANDING LEVEL (m) - 1.5	Logged by: N. Duluzauri
GEOENGINEERING	Project Name: Geotechnical Investigation for New Kutaisi Bypass-Samtredia Road Section of the Preparation of Detail Design and Construction Supervision of Zestafoni-Kutaisi-Samtredia Road Section of the E-60 Highway in Georgia	Contract No.GC-1128
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START DATE: 03.07.2011 END DATE: 04.07.2011	CASING DIAMETER (M): 146-127	BOREHOLE No. BH-SE-20
DRILLING METHOD: Dry rotary (single-tube) DRILLING EQUIPMENT: УГБ-50 DRILLING CONTRACTOR: GeoEng. DRILLER: G. Lomidze	DRILLING DIAMETER (M): 152-132 -112	Coordinates: X(m): 38T 280461.17 Y(m): 4669542.51 Z(m): 20.95

	SAMPLE/CORE RECOVERY						LITHOLOGIC SYMBOL	DESCRIPTION OF STRATA		Standard Penetration Test			
	Depth of base of layer, m	TYPE: U - undisturbed D - Disturbed	Sample No Sample section	TCR %	SCR %	RQD %				0-15cm	15-30cm	30-45cm	SPT N-blows
15.0	18.0							Saturated, grayish-brownish, dense, rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions					
16.0													
17.0													
18.0													
19.0													
20.0													
21.0													
22.0													
23.0													
24.0													
25.0													
26.0													
27.0													
28.0													
29.0													
30.0													

REMARKS: SPT not performed TCR - total core recovery SCR - solid core recovery	GROUND WATER INFLOW LEVEL AT (m) - 1.5 GROUND WATER STANDING LEVEL (m) - 1.5	Logged by: N. Duluzauri
GEOENGINEERING	<i>Project Name:</i> Geotechnical Investigation for New Kutaisi Bypass-Samtredia Road Section of the Preparation of Detail Design and Construction Supervision of Zestafoni-Kutaisi-Samtredia Road Section of the E-60 Highway in Georgia	Contract No.GC-1128
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ANNEX 7
Summary Tables of Laboratory Tests

ANNEX 7.1
Summary Table as per Stratum

Volume 1: Textual part
7.1 Summary Table as per the Soils Strata and Rocks Benches

Ground Composition and Physical-mechanical Properties Characteristics, Laboratory Survey Results Summary Table

№	TP-BH #	Sampling depth, m	STRATUM	Grain Size, mm								Moisture content W%		Plasticity			Liquidity Index, I	Density, g/cm³			Porosity, n%	Voids Ratio, e	Saturation Degree, G	Unconfined Compressive Strength, qu, Mpa	Soil discription	
				Boulders % > 200	Cobbles % 200 - 63	Gravel % 63,0-2,0	Sand			Silt % 0,04 - 0,002	Clay % < 0,002	Natural	Matrix	Liquid Limit, W _L	Plastic Limit, W _p	Plasticity Index, I _p		Particle Density, ρ _s	Density, ρ	Dry Density, ρ _d						
							Coarse% 1,18-0,600	Medium % 0,425-0,212	Fine % 0,150-0,063																	
1	TP-SE-5	1.5-1.6	3			0.6	1.0	10.8	9.8	71.3	6.5	21.5	33.6	20.0	13.6	0.11	2.71	1.91	1.57	41.99	0.724	0.805		Low plastic silty sandy CLAY		
2	TP-SE-6	0.5-1.0	3			2.8	1.9	8.3	15.3	52.1	19.6	21.8	45.8	23.8	22.0	-0.09	2.75	2.00	1.64	40.29	0.675	0.888		Intermediately plastic silty sandy CLAY with little rounded gravel inclusions		
3	TP-SE-6	1.5-1.7	3			1.0	1.2	9.2	12.1	68.9	7.6	20.6	36.5	20.9	15.6	-0.02	2.72	1.92	1.59	41.47	0.709	0.791		Intermediately plastic silty sandy CLAY with little rounded gravel inclusions		
4	TP-SE-8	0.5-1.0	3			3.7	2.4	5.2	11.2	53.7	23.8	20.2	41.4	19.8	21.6	0.02	2.73	1.87	1.56	43.01	0.755	0.731		Intermediately plastic silty sandy CLAY with little rounded gravel inclusions		
5	BH-SE-2	2,4-2,6	3			21.9	7.7	10.9	13.6	35.8	10.1	17.5	42.2	21.5	20.7	-0.19	2.71	1.98	1.69	37.82	0.608	0.780		Intermediately plastic silty sandy CLAY with a rounded gravel inclusions		
6	BH-SE-4	0,4-2,0	3			2.6	5.7	3.4	8.6	67.2	12.5	21.6	35.4	21.3	14.1	0.02	2.71	2.02	1.66	38.70	0.631	0.927		Intermediately plastic silty CLAY with a little rounded gravel inclusions		
7	BH-SE-5	2,3-2,6	3			2.3	6.3	11.9	9.7	48.4	21.4	14.5	44.8	22.1	22.7	0.58	2.73	2.19	1.91	29.94	0.427	0.926		Intermediately plastic silty sandy CLAY with a little rounded gravel inclusions		
8	BH-SE-7	0,5-1,7	3			0.7	0.8	2.4	4.6	51.3	40.2	29.3	51.6	26.7	24.9	0.10	2.74	1.94	1.50	45.24	0.826	0.972		Highly plastic silty CLAY		
9	BH-SE-10	0,5-1,5	3			54.1	5.9	7.8	3.9	19.3	9.0	15.9	48.6	23.3	25.3	-0.29	2.60							Rounded GRAVEL with intermediately plastic sandy silty CLAY matrix		
10	BH-SE-12	0.4-2.0	3			1.4	9.3	19.4	6.1	44.3	19.5	19.1	40.0	19.7	20.3	-0.03	2.73	1.95	1.64	40.03	0.667	0.781		Intermediately plastic silty sandy CLAY		
11	BH-SE-12-1	0,0-1,8	3					18.4	10.8	48.9	21.9	18.5	40.8	20.0	20.8	-0.07	2.74	1.89	1.59	41.79	0.718	0.706		Intermediately plastic silty sandy CLAY		
12	BH-SE-20	0,0-2,0	3					0.5	0.8	66.2	32.5	30.9	52.9	28.3	24.6	0.11	2.74	1.90	1.45	47.03	0.888	0.954		Highly plastic silty CLAY		
13	BH-SE-20	2,0-2,3	3						0.9	66.5	31.7	29.5	45.4	23.0	22.4	0.29	2.73	1.88	1.45	46.82	0.881	0.915		Intermediately plastic silty CLAY		
14	BH-SE-20	4,1-4,3	3				0.5	0.7	0.4	63.4	35.0	27.6	45.1	23.1	22.0	0.20	2.74	1.91	1.50	45.37	0.830	0.911		Intermediately plastic silty CLAY		
15	BH-SB1-5	0.4-0.6	3				0.7	10.4	30.7	53.5	4.7	7.3	36.0	22.8	13.2	-1.17	2.70	1.72	1.60	40.63	0.684	0.288		Intermediately plastic sandy silty CLAY		
16	BH-SB1-6	0.3-1.0	3			2.9	1.8	13.4	30.6	39.5	11.8	12.3	37.5	22.1	15.4	-0.64	2.73	1.88	1.67	38.68	0.631	0.532		Intermediately plastic sandy silty CLAY with a little rounded gravel content		
17	BH-SB3-1	0,4-2,0	3			0.2	2.0	3.2	20.8	57.8	16.0	9.7	41.5	19.8	21.7	-0.47	2.74	1.85	1.69	38.45	0.625	0.425		Intermediately plastic silty sandy CLAY		
18	BH-SI2-1	1,0-2,0	3			0.1	0.4	0.8	2.8	68.1	27.8	25.9	51.4	23.5	27.9	0.09	2.75	1.90	1.51	45.12	0.822	0.866		Highly plastic silty CLAY		
19	BH-SB4-1	0,4-2,0	3		3.3	53.8	2.7	13.6	4.5	19.2	2.9	6.0	29.0	22.8	6.2	-2.02	2.68							Rounded GRAVEL with low plastic sandy silt matrix, with little rounded cobbles inclusions		
20	BH-SB4-1	25,3-25,5	3			6.8	4.9	25.0	21.4	27.2	14.7	26.5	40.0	20.8	19.2	0.30	2.74	1.92	1.52	44.61	0.805	0.902	0.277	Intermediately plastic silty sandy CLAY with a little rounded gravel content		
21	BH-SB5-1	0,4-2,0	3			5.8	3.8	23.6	21.4	28.9	16.5	25.3	38.9	20.0	18.9	0.28	2.73	1.89	1.51	44.75	0.810	0.853		Intermediately plastic silty sandy CLAY with a little rounded gravel content		
22	BH-SB6-1	0,3-2,0	3			4.8	1.8	23.2	22.9	28.7	18.6	25.7	39.6	20.1	19.5	0.29	2.74	1.91	1.52	44.54	0.803	0.877		Intermediately plastic silty sandy CLAY with a little rounded gravel content		
23	BH-SB1-2	24,2-24,5	4			0.2	1.0	4.2	11.5	50.9	32.2	21.1	38.7	18.9	19.8	0.11	2.74	1.85	1.53	44.25	0.794	0.729		Intermediately plastic silty CLAY		

№	TP-BH #	Sampling depth, m	STRATUM	Grain Size, mm								Moisture content W%		Plasticity			Liquidity Index, I _L	Density, g/cm³			Porosity, n%	Voids Ratio, e	Saturation Degree, G	Unconfined Compressive Strength, qu, Mpa	Soil discription
				Boulders % > 200	Cobbles % 200 - 63	Gravel % 63,0-2,0	Sand			Silt % 0,04 - 0,002	Clay % < 0,002	Natural	Matrix	Liquid Limit, W _p	Plastic Limit, W _p	Plasticity Index, I _p		Particle Density, ρ _s	Density, ρ	Dry Density, ρ _d					
24	BH-SB1-2	25,2-25,4	4				1.1	2.9	8.8	58.3	28.9	22.7		36.4	17.5	18.9	0.28	2.74	1.88	1.53	44.08	0.788	0.789		Intermediately plastic silty CLAY
25	BH-SB1-3	23.4-23.7	4			0.5	5.0	8.0	6.2	54.1	26.2	20.6		38.6	19.5	19.1	0.06	2.74	1.86	1.54	43.71	0.777	0.727		Intermediately plastic silty CLAY
26	BH-SB1-3	24.15-24.45	4			0.1	0.8	2.4	10.5	66.9	19.3	20.0		36.5	18.1	18.4	0.10	2.73	1.99	1.66	39.26	0.646	0.845	0.240	Intermediately plastic silty CLAY
27	BH-SB1-4	12.8-13.0	4									21.1							2.10				0.112		CLAY
28	BH-SB1-4	13.1-13.3	4			44.2	2.3	7.0	13.4	23.0	10.1	12.9	21.2	31.2	20.1	11.1	0.10	2.33	2.02	1.79	23.21	0.302	0.994		Rounded GRAVEL with low plastic silty sandy clay matrix
29	BH-SB1-4	24.1-24.3	4									21.5							2.14				0.210		CLAY
30	BH-SB1-4	25.3-25.6	4				0.7	3.9	3.2	72.5	19.7	26.7		47.0	21.5	25.5	0.20	2.75	2.00	1.58	42.60	0.742	0.989		Intermediately plastic silty CLAY
31	BH-SB1-6	25.0-25.5	4			0.3	2.0	2.5	8.2	55.3	31.7	17.5		40.2	19.1	21.1	-0.08	2.73	1.90	1.62	40.77	0.688	0.694		Intermediately plastic silty CLAY
32	BH-SB2-1	21,1-22,5	4				1.0	5.6	28.0	55.0	10.4	23.9		27.2	16.8	10.4	0.68	2.70	2.02	1.63	39.62	0.656	0.984	0.113	Low plastic silty sandy CLAY
33	BH-SB3-1	27,0-27,7	4				0.2	1.2	22.2	58.6	17.8	22.9		28.7	16.2	12.5	0.54	2.70	2.01	1.64	39.43	0.651	0.950		Low plastic silty sandy CLAY
34	BH-SB3-1	28.3-28,5	4				0.7	2.7	20.8	56.5	19.3	24.5		29.5	18.0	11.5	0.57	2.71	1.99	1.60	41.02	0.695	0.955	0.112	Low plastic silty sandy CLAY
35	BH-SI1-1	21,2-21,5	4				0.3	1.4	23.1	54.6	20.6	23.9		37.6	18.9	18.7	0.27	2.72	2.02	1.63	40.06	0.668	0.973	0.193	Intermediately plastic silty sandy CLAY
36	BH-SI1-1	23,7-24,0	4			2.6	2.1	17.1	17.5	43.9	16.8	27.1		38.0	18.6	19.4	0.44	2.73	1.95	1.53	43.80	0.779	0.949		Intermediately plastic silty sandy CLAY with a little rounded gravel content
37	BH-SI1-2	21,0-21,3	4				0.6	1.7	1.2	62.1	34.4	30.8		42.5	20.3	22.2	0.47	2.74	1.93	1.48	46.15	0.857	0.985	0.125	Intermediately plastic silty CLAY
38	BH-SI2-1	4,65-4,90	4				0.9	5.6	10.0	53.0	30.5	27.6		41.2	20.0	21.2	0.36	2.74	1.95	1.53	44.23	0.793	0.954	0.173	Intermediately plastic silty sandy CLAY
39	BH-SB6-1	27,1-27,3	4			2.1	7.6	11.8	9.1	47.4	22.0	27.5		39.9	19.1	20.8	0.40	2.73	1.90	1.49	45.41	0.832	0.902		Intermediately plastic silty sandy CLAY with a little rounded gravel content
40	BH-SB6-1	29,7-29,9	4			2.7	9.5	16.4	8.9	38.1	24.4	26.9		38.7	20.0	18.7	0.37	2.74	1.92	1.51	44.78	0.811	0.909	0.206	Intermediately plastic silty sandy CLAY with a little rounded gravel content
41	BH-SE-19	0.5-1,3	5				0.9	1.1	1.3	60.6	36.1	20.0		47.2	23.9	23.3	-0.17	2.73	1.87	1.56	42.92	0.752	0.726		Intermediately plastic silty CLAY
42	BH-SB2-1	0.5-2.0	5			14.9	9.5	14.7	16.1	30.0	14.8	29.0		39.5	17.0	22.5	0.53	2.73	1.90	1.47	46.03	0.853	0.927		Intermediately plastic sandy silty CLAY with a little rounded gravel content
43	BH-SB2-1	5.0-9.0	6, 5			1.0	11.9	19.4	16.7	42.7	8.3	22.5		27.2	21.5	5.7	0.18	2.69	1.80	1.47	45.38	0.831	0.729		Low plastic sandy clayey SILT with a little rounded gravel content
44	BH-SE-18	0.4-2.0	6			7.4	10.4	17.5	12.6	48.3	3.8	23.2		29.8	23.2	6.6		2.69							Low plastic sandy clayey SILT with a little rounded gravel inclusions
45	BH-SI2-1	3,6-3,85	6			0.1	0.7	10.7	25.1	49.0	14.4	21.8		28.2	16.4	11.8	0.46	2.70	2.05	1.68	37.66	0.604	0.974		Low plastic silty sandy CLAY
46	BH-SB2-1	10.3-10.5	6			1.6	8.3	20.3	16.0	45.2	8.6	22.0		26.9	21.1	5.8	0.16	2.68	1,81	1.48	44.64	0.806	0.731		Low plastic sandy clayey SILT with a little rounded gravel content
47	BH-SE-14	1.2-2.3	7			7.0	13.7	43.9	15.9	18.5	1.0	12.4						2.69							Silty SAND with a little rounded gravel content
48	BH-SE-14	3.2-3.4	7			8.6	11.9	36.6	19.1	22.4	1.4	14.1						2.69							Silty SAND with a little rounded gravel content
49	BH-SE-15	0,0-2,4	7			4.1	8.3	31.5	20.0	25.6	10.5	15.9		31.8	18.0	13.8	-0.15	2.70	1.92	1.66	38.64	0.630	0.682		Low plastic sandy silty CLAY with a little rounded gravel content
50	BH-SE-16	0.5-2.0	7			9.5	18.1	30.4	18.6	22.3	1.1	12.5						2.68							Silty SAND with a little rounded gravel content
51	BH-SE-17	0.8-2.0	7			9.7	15.8	30.1	14.1	28.5	1.8	14.5						2.69							Silty SAND with a little rounded gravel content
52	BH-SE-18	2.3-2.5	7			7.3	18.7	29.0	14.3	28.3	2.4	14.9		30.9	21.4	9.5	-0.68	2.68							Low plastic sandy silty CLAY with a little rounded gravel content

№	TP-BH #	Sampling depth, m	STRATUM	Grain Size, mm								Moisture content W%		Plasticity			Liquidity Index, I _L	Density, g/cm ³			Porosity, n%	Voids Ratio, e	Saturation Degree, G	Unconfined Compressive Strength, qu, Mpa	Soil discription
				Boulders % > 200	Cobbles % 200 - 63	Gravel % 63,0-2,0	Sand			Silt % 0,04 - 0,002		Clay % < 0,002	Natural	Matrix	Liquid Limit, W _p	Plastic Limit, W _p	Plasticity Index, I _p	Particle Density, ρ _s	Density, ρ	Dry Density, ρ _d					
53	BH-SE-19	3,2-3,4	7			2.3	15.0	34.0	15.6	30.5	2.6	13.6			31.2	22.3	8.9	2.69							Low plastic sandy silty CLAY with a little rounded gravel content
54	BH-SE-19	9,9-10,2	7			22.8	3.7	38.7	14.8	18.1	1.9	14.5			32.4	22.5	9.9	2.68							Low plastic sandy silty CLAY with a rounded gravel content
55	BH-SE-20	6,0-6,8	7			3.5	15.7	30.6	12.2	32.2	5.8	22.5			31.2	16.6	14.6	2.70							Low plastic sandy silty CLAY with a little rounded gravel content
56	BH-SE-20	13,4-13,6	7			3.8	17.8	25.2	15.9	31.7	5.6	23.8			31.1	16.9	14.2	2.69							Low plastic sandy silty CLAY with a little rounded gravel content
57	BH-SB1-4	21,7-22,0	7			14.8	15.3	46.8	8.7	12.9	1.5	13.4						2.69							Silty SAND with a rounded gravel content
58	BH-SB1-6	29,0-30,0	7			7.8	17.8	26.2	26.1	20.8	1.3	12.9						2.68							Silty SAND with a little rounded gravel content
59	BH-SB3-1	4,0-5,0	7			10.0	0.5	44.2	24.5	19.2	1.6							2.68							Silty SAND with a little rounded gravel content
60	BH-SI2-1	16,5-16,9	7			10.7	1.6	39.4	29.3	17.0	2.0	20.6						2.68							Silty SAND with a little rounded gravel content
61	TP-SE-1	1,0-2,0	8	10.0	14.8	52.1	1.5	8.9	3.4	9.3		5.8	21.3	31.4	18.1	13.3	0.24	2.61							Rounded GRAVEL with low plastic sandy clay matrix, with rounded cobbles and boulders inclusions
62	TP-SE-2	1,0-2,0	8	9.2	15.3	52.0	1.7	8.3	4.5	9.0		10.2	23.4	34.6	18.5	16.1	0.30	2.48							Rounded GRAVEL with low plastic sandy clay matrix, with rounded cobbles and boulders inclusions
63	TP-SE-3	0,5-1,0	8	11.5	20.2	42.2	1.0	4.2	4.3	13.5	3.1	11.9	25.2	32.6	18.1	14.5	0.49	2.57							Rounded GRAVEL with low plastic sandy silty clay matrix, with rounded cobbles and boulders inclusions
64	TP-SE-4	2,5-3,0	8	19.5	15.0	43.8	3.5	5.1	4.3	8.8		15.3	21.5	30.0	19.0	11.0	0.23	2.52							Rounded GRAVEL with low plastic sandy clay matrix, with rounded cobbles and boulders inclusions
65	TP-SE-5	1,7-2,0	8		18.9	47.9	4.1	4.6	3.8	13.2	7.5	12.7	24.8	37.3	18.8	18.5	0.32	2.56							Rounded GRAVEL with intermediately plastic silty clay matrix, with rounded cobbles inclusions
66	TP-SE-6	2,5-3,0	8		17.2	52.2	2.0	7.2	6.1	11.4	3.9	10.5	21.3	31.3	18.4	12.9	0.22	2.54							Rounded GRAVEL with low plastic sandy silty clay matrix, with rounded cobbles inclusions
67	TP-SE-7	1,3-2,0	8	13.6	18.4	44.2	3.8	6.6	4.4	9.0		12.3	25.0	33.7	21.2	12.5	0.30	2.48							Rounded GRAVEL with low plastic sandy clay matrix, with rounded cobbles and boulders inclusions
68	TP-SE-8	2,5-3,0	8	9.7	14.1	48.9	4.4	9.5	3.7	9.7		14.4	22.7	34.6	19.5	15.1	0.21	2.42							Rounded GRAVEL with low plastic sandy clay matrix, with rounded cobbles and boulders inclusions
69	BH-SE-3	1,7-1,85	8			61.1	3.3	6.0	5.4	20.6	3.6	8.6	12.2	35.7	21.3	14.4	-0.63	2.63							Rounded GRAVEL with intermediately plastic sandy silty clay matrix
70	BH-SE-11	0,5-2,0	8		21.9	51.0	4.5	8.2	5.8	8.6		11.2						2.53							Rounded GRAVEL with sand matrix, with rounded cobbles inclusions
71	BH-SE-14	2,7-3,0	8		19.0	58.0	5.0	5.1	3.8	9.1		7.2						2.58							Rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions
72	BH-SE-15	4,0-5,0	8			80.8	4.2	6.6	3.8	4.6															Rounded GRAVEL with sand matrix
73	BH-SE-1	0,4-2,0	9		9.6	62.3	2.5	5.6	4.6	14.2	1.2	6.9		31.3	16.2	15.1	-0.62	2.50							Rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions
74	BH-SE-1	4,0-5,0	9		7.1	63.9	3.3	11.8	5.6	8.3															Rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions
75	BH-SE-1	8,0-9,0	9		3.7	62.9	4.6	14.6	5.7	8.5															Rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions
76	BH-SE-3	4,4-4,7	9		3.8	53.3	10.4	15.3	8.3	8.9		10.8													Rounded GRAVEL with silty sand matrix, with little rounded cobbles inclusions
77	BH-SE-4	7,0-8,0	9		8.5	59.7	9.6	7.6	8.4	6.2															Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions

№	TP-BH #	Sampling depth, m	STRATUM	Grain Size, mm								Moisture content W%		Plasticity			Liquidity Index, I	Density, g/cm³			Porosity, n%	Voids Ratio, e	Saturation Degree, G	Unconfined Compressive Strength, qu, Mpa	Soil discription	
				Boulders % > 200	Cobbles % 200 - 63	Gravel % 63,0-2,0	Sand			Silt % 0,04 - 0,002	Clay % < 0,002	Natural	Matrix	Liquid Limit, WL	Plastic Limit, Wp	Plasticity Index, Ip		Particle Density, ρs	Density, ρ	Dry Density, ρd						
							Coarse% 1,18-0,600	Medium % 0,425-0,212	Fine % 0,150-0,063																	
78	BH-SE-9	2,6-2,8	9		13.8	70.2	2.8	6.2	3.0	4.0	3.3							2.53							Rounded GRAVEL with sand matrix, with rounded cobbles inclusions	
79	BH-SE-9	9,8-10,0	9		11.3	45.0	11.7	10.7	6.5	10.5	6.3	10.6	12.9	8.3	-0.28	2.55										Rounded GRAVEL with low plastic sandy silty CLAY matrix, with rounded cobbles inclusions
80	BH-SE-11	4.4-4.6	9		5.8	61.7	8.3	9.0	10.5	4.7	9.8							2.51								Rounded GRAVEL with sand matrix, with little rounded cobbles inclusions
81	BH-SE-12	4.0-4.3	9		7.9	60.7	10.3	6.5	8.7	5.9	7.8							2.47								Rounded GRAVEL with sand matrix, with little rounded cobbles inclusions
82	BH-SE-12-1	4,0-5,0	9		2.5	67.3	7.5	14.3	3.9	4.5	3.0							2.63								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
83	BH-SE-14	5.8-6.0	9		9.0	60.5	8.9	9.2	5.9	6.5	9.6							2.49								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
84	BH-SE-15	7,0-8,0	9			8.5	14.7	26.4	20.1	24.9	5.4							2.69								Silty SAND with a little rounded gravel content
85	BH-SE-16	4.5-4.8	9		6.8	59.2	7.4	11.3	7.4	7.9	9.9							2.51								Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
86	BH-SE-17	3.3-3.5	9		8.2	61.4	5.8	9.3	7.5	7.8	12.7							2.54								Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
87	BH-SE-18	2.8-3.0	9		9.2	67.9	3.6	5.5	7.1	6.7	11.1							2.51								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
88	BH-SE-18	8.7-9.0	9		7.8	66.9	3.7	6.8	7.5	7.3	9.4							2.49								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
89	BH-SE-19	7,2-7,6	9		6.2	62.4	8.1	13.0	3.4	6.9	5.6							2.52								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
90	BH-SE-20	14,0-15,0	9		14.0	61.5	6.9	8.0	3.0	6.6	4.3							2.61								Rounded GRAVEL with sand matrix, with rounded cobbles inclusions
91	BH-SB1-1	3,0-3,3	9		3.1	60.5	6.1	8.3	6.3	12.6	3.1	24.6	31.4	19.6	11.8	0.42	2.63									Rounded GRAVEL with low plastic sandy CLAY matrix, with a little rounded cobbles inclusions
92	BH-SB1-1	8,0-8,4	9		5.7	64.6	3.9	10.5	8.2	7.1																Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
93	BH-SB1-1	17,2-17,5	9			71.2	7.0	7.4	5.6	8.8																Rounded GRAVEL with sand matrix
94	BH-SB1-2	0.4-2,0	9		3.6	60.4	8.3	8.1	10.6	9.0	8.8							2.51								Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
95	BH-SB1-2	10,0-11,0	9		8.5	57.2	13.0	4.9	8.1	8.3	6.7							2.53								Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
96	BH-SB1-2	33,0-34,0	9		4.6	64.9	10.8	7.3	3.2	9.2	11.9							2.58								Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
97	BH-SB1-3	0.4-2.0	9		3.6	60.8	9.0	8.8	8.3	9.5	1.8							2.66								Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
98	BH-SB1-3	2.0-2.4	9		8.4	66.8	8.0	7.7	3.6	5.5	5.4							2.56								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
99	BH-SB1-3	5.0-5.4	9		9.0	68.0	7.8	6.6	4.3	4.3	5.8							2.56								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
100	BH-SB1-3	6.7-7.0	9		8.7	66.9	7.5	8.4	4.0	4.5	6.1							2.58								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
101	BH-SB1-4	0.1-2.0	9		10.4	46.7	10.7	15.4	10.7	6.1	3.9															Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions

№	TP-BH #	Sampling depth, m	STRATUM	Grain Size, mm								Moisture content W%		Plasticity			Liquidity Index, I _L	Density, g/cm³			Porosity, n%	Voids Ratio, e	Saturation Degree, G	Unconfined Compressive Strength, q _u , Mpa	Soil discription
				Boulders % > 200	Cobbles % 200 - 63	Gravel % 63,0-2,0	Sand			Silt % 0,04 - 0,002	Clay % < 0,002	Natural	Matrix	Liquid Limit, W _p	Plastic Limit, W _p	Plasticity Index, I _p		Particle Density, ρ _s	Density, ρ	Dry Density, ρ _d					
102	BH-SB1-4	4.0-4.3	9		11.0	51.7	5.7	14.0	10.7	6.9		3.5						2.55							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
103	BH-SB1-4	5.7-6.0	9		10.9	72.8	2.2	6.5	3.1	4.5		2.2						2.64	2.22						Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
104	BH-SB1-4	9.3-9.8	9		9.0	55.5	7.3	11.7	10.2	6.3		3.8						2.58							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
105	BH-SB1-4	29.0-29.5	9		9.0	63.7	5.5	9.7	5.1	7.0		6.1	11.2					2.45							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
106	BH-SB1-5	4.0-5.0	9		8.2	61.9	6.2	9.7	7.2	6.8		7.3						2.55							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
107	BH-SB1-5	13.5-13.8	9		6.3	59.7	6.6	13.2	8.4	5.8															Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
108	BH-SB1-5	19.0-20.0	9		8.8	63.5	6.4	6.4	5.6	9.3															Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
109	BH-SB1-6	3.5-4.0	9			67.8	5.1	12.6	5.3	9.2		5.2						2.60							Rounded GRAVEL with silty sand matrix
110	BH-SB1-6	6.0-6.5	9			73.4	6.6	9.0	4.0	7.0		3.6						2.59							Rounded GRAVEL with sand matrix
111	BH-SB1-6	16.0-17.0	9		17.7	66.9	2.3	6.7	2.8	3.6								2.60							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
112	BH-SB2-1	16.0-19.0	9		10.0	61.5	5.9	8.1	5.0	9.5		8.7						2.52							Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
113	BH-SB3-1	12.0-14.0	9		8.5	62.1	7.4	8.7	5.5	7.8		7.0						2.50							Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
114	BH-S11-1	7.6-7.8	9			60.7	6.1	7.2	7.1	16.6	2.3														Rounded GRAVEL with silty sand matrix
115	BH-S11-1	26.5-27.0	9			71.3	3.7	11.9	5.9	7.2		5.9						2.47							Rounded GRAVEL with sand matrix
116	BH-S11-2	3.8-4.0	9			74.0	4.7	11.3	5.0	5.0		5.6						2.50							Rounded GRAVEL with sand matrix
117	BH-S11-2	16.0-17.0	9		9.3	59.3	6.9	9.4	5.5	9.6		6.6						2.48							Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
118	BH-S12-1	10.2-10.5	9		13.1	59.8	6.4	6.8	4.6	9.3		4.2	6.6					2.49							Rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions
119	BH-SB4-1	15.0-16.0	9		2.4	60.0	3.5	4.5	4.4	22.6	2.6	10.8													Rounded GRAVEL with low plastic sandy silt matrix, with little rounded cobbles inclusions
120	BH-SB5-1	8.0-9.0	9		2.8	61.8	2.7	5.9	3.6	20.6	2.6	11.0													Rounded GRAVEL with sandy silt matrix, with a little rounded cobbles inclusions
121	BH-SB5-1	19.0-20.0	9		1.9	61.7	2.3	4.5	3.3	23.7	2.6	10.7													Rounded GRAVEL with sandy silt matrix, with a little rounded cobbles inclusions
122	BH-SB6-1	7.0-8.0	9		2.5	59.8	2.7	8.4	3.2	20.3	3.1	5.4	9.2	22.3	6.5		-2.02	2.68							Rounded GRAVEL with low plastic sandy silt matrix, with little rounded cobbles inclusions
123	BH-SB6-1	25.0-26.0	9		2.1	61.0	4.0	6.1	3.9	20.4	2.5	10.1													Rounded GRAVEL with sandy silt matrix, with a little rounded cobbles inclusions

ANNEX 7.2
Summary Table as per Boreholes
Location

[illegible]

[illegible]

Project: Geotechnical Investigation for New Kutaisi Bypass-Samtredia Road Section of the Preparation of Detail Design and Construction Supervision of Zestafoni-Kutaisi-Samtredia Road Section of the E-60 Highway in Georgia
Location: Imereti Region, Georgia

Volume 1: Textual part

7.2 Summary Table as per the Borehole Locations

Ground Composition and Physical-mechanical Properties Characteristics, Laboratory Survey Results Summary Table

№	TP-BH #	Sampling depth, m	STRATUM	Grain Size, mm								Moisture content W%		Plasticity			Liquidity Index, IL	Density, g/cm ³			Porosity, n%	Voids Ratio, e	Saturation Degree, G	Unconfined Compressive Strength, qu, Mpa	Soil discription	
				Boulders % > 200	Cobbles % 200 - 63	Gravel % 63,0-2,0	Sand			Silt % 0,04 - 0,002	Clay % < 0,002	Natural	Matrix	Liquid Limit, W _L	Plastic Limit, W _p	Plasticity Index, I _p		Particle Density, ρ _s	Density, ρ	Dry Density, ρ _d						
							Coarse% 1,18-0,600	Medium % 0,425-0,212	Fine % 0,150-0,063																	
1	TP-SE-1	1,0-2,0	8	10,0	14,8	52,1	1,5	8,9	3,4	9,3		5,8	21,3	31,4	18,1	13,3	0,24	2,61							Rounded GRAVEL with low plastic sandy clay matrix, with rounded cobbles and boulders inclusions	
2	BH-SE-1	0,4-2,0	8		9,6	62,3	2,5	5,6	4,6	14,2	1,2	6,9		31,3	16,2	15,1	-0,62	2,50							Rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions	
3	BH-SE-1	4,0-5,0	8		7,1	63,9	3,3	11,8	5,6	8,3															Rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions	
4	BH-SE-1	8,0-9,0	8		3,7	62,9	4,6	14,6	5,7	8,5															Rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions	
5	TP-SE-2	1,0-2,0	3	9,2	15,3	52,0	1,7	8,3	4,5	9,0		10,2	23,4	34,6	18,5	16,1	0,30	2,48							Rounded GRAVEL with low plastic sandy clay matrix, with rounded cobbles and boulders inclusions	
6	TP-SE-3	0,5-1,0	8	11,5	20,2	42,2	1,0	4,2	4,3	13,5	3,1	11,9	25,2	32,6	18,1	14,5	0,49	2,57							Rounded GRAVEL with low plastic sandy silty clay matrix, with rounded cobbles and boulders inclusions	
7	BH-SE-2	2,4-2,6	3			21,9	7,7	10,9	13,6	35,8	10,1	17,5		42,2	21,5	20,7	-0,19	2,71	1,98	1,69	37,82	0,608	0,780		Intermediately plastic silty sandy CLAY with a rounded gravel inclusions	
8	TP-SE-4	2,5-3,0	3	19,5	15,0	43,8	3,5	5,1	4,3	8,8		15,3	21,5	30,0	19,0	11,0	0,23	2,52							Rounded GRAVEL with low plastic sandy clay matrix, with rounded cobbles and boulders inclusions	
9	TP-SE-5	1,5-1,6	8			0,6	1,0	10,8	9,8	71,3	6,5	21,5		33,6	20,0	13,6	0,11	2,71	1,91	1,57	41,99	0,724	0,805		Low plastic silty sandy CLAY	
10	TP-SE-5	1,7-2,0	8		18,9	47,9	4,1	4,6	3,8	13,2	7,5	12,7	24,8	37,3	18,8	18,5	0,32	2,56							Rounded GRAVEL with intermediately plastic silty clay matrix, with rounded cobbles inclusions	
11	BH-SE-3	1,7-1,85	3			61,1	3,3	6,0	5,4	20,6	3,6	8,6	12,2	35,7	21,3	14,4	-0,63	2,63							Rounded GRAVEL with intermediately plastic sandy silty clay matrix	
12	BH-SE-3	4,4-4,7	8		3,8	53,3	10,4	15,3	8,3	8,9		10,8													Rounded GRAVEL with silty sand matrix, with little rounded cobbles inclusions	
13	TP-SE-6	0,5-1,0	9			2,8	1,9	8,3	15,3	52,1	19,6	21,8		45,8	23,8	22,0	-0,09	2,75	2,00	1,64	40,29	0,675	0,888		Intermediately plastic silty sandy CLAY with little rounded gravel inclusions	
14	TP-SE-6	1,5-1,7	9			1,0	1,2	9,2	12,1	68,9	7,6	20,6		36,5	20,9	15,6	-0,02	2,72	1,92	1,59	41,47	0,709	0,791		Intermediately plastic silty sandy CLAY with little rounded gravel inclusions	
15	TP-SE-6	2,5-3,0	9		17,2	52,2	2,0	7,2	6,1	11,4	3,9	10,5	21,3	31,3	18,4	12,9	0,22	2,54							Rounded GRAVEL with low plastic sandy silty clay matrix, with rounded cobbles inclusions	
16	BH-SE-4	0,4-2,0	3			2,6	5,7	3,4	8,6	67,2	12,5	21,6		35,4	21,3	14,1	0,02	2,71	2,02	1,66	38,70	0,631	0,927		Intermediately plastic silty CLAY with a little rounded gravel inclusions	
17	BH-SE-4	7,0-8,0	8		8,5	59,7	9,6	7,6	8,4	6,2															Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions	
18	BH-SE-5	2,3-2,6	9			2,3	6,3	11,9	9,7	48,4	21,4	14,5	35,3	44,8	22,1	22,7	0,58	2,73	2,19	1,91	29,94	0,427	0,926		Intermediately plastic silty sandy CLAY with a little rounded gravel inclusions	
19	TP-SE-7	1,3-2,0	3	13,6	18,4	44,2	3,8	6,6	4,4	9,0		12,3	25,0	33,7	21,2	12,5	0,30	2,48							Rounded GRAVEL with low plastic sandy clay matrix, with rounded cobbles and boulders inclusions	
20	BH-SI1-2	3,8-4,0	9			74,0	4,7	11,3	5,0	5,0		5,6						2,50							Rounded GRAVEL with sand matrix	
21	BH-SI1-2	16,0-17,0	3		9,3	59,3	6,9	9,4	5,5	9,6		6,6						2,48							Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions	
22	BH-SI1-2	21,0-21,3	3				0,6	1,7	1,2	62,1	34,4	30,8		42,5	20,3	22,2	0,47	2,74	1,93	1,48	46,15	0,857	0,985	0,125	Intermediately plastic silty CLAY	

№	TP-BH #	Sampling depth, m	STRATUM	Grain Size, mm								Moisture content W%		Plasticity			Liquidity Index, IL	Density, g/cm ³			Porosity, n%	Voids Ratio, e	Saturation Degree, G	Unconfined Compressive Strength, qu, Mpa	Soil discription	
				Boulders % > 200	Cobbles % 200 - 63	Gravel % 63,0-2,0	Sand			Silt % 0,04 - 0,002	Clay % < 0,002	Natural	Matrix	Liquid Limit, W _p	Plastic Limit, W _p	Plasticity Index, I _p		Particle Density, ρ _s	Density, ρ	Dry Density, ρ _d						
							Coarse% 1,18-0,600	Medium % 0,425-0,212	Fine % 0,150-0,063																	
23	BH-S11-1	7,6-7,8	9			60.7	6.1	7.2	7.1	16.6	2.3														Rounded GRAVEL with silty sand matrix	
24	BH-S11-1	21,2-21,5	9				0.3	1.4	23.1	54.6	20.6	23.9		37.6	18.9	18.7	2.72	2.02	1.63	40.06	0.668	0.973	0.193		Intermediately plastic silty sandy CLAY	
25	BH-S11-1	23,7-24,0	3			2.6	2.1	17.1	17.5	43.9	16.8	27.1		38.0	18.6	19.4	2.73	1.95	1.53	43.80	0.779	0.949			Intermediately plastic silty sandy CLAY with a little rounded gravel content	
26	BH-S11-1	26,5-27,0	8			71.3	3.7	11.9	5.9	7.2		5.9					2.47								Rounded GRAVEL with sand matrix	
27	BH-SE-7	0,5-1,7	9			0.7	0.8	2.4	4.6	51.3	40.2	29.3		51.6	26.7	24.9	2.74	1.94	1.50	45.24	0.826	0.972			Highly plastic silty CLAY	
28	TP-SE-8	0,5-1,0	3			3.7	2.4	5.2	11.2	53.7	23.8	20.2		41.4	19.8	21.6	2.73	1.87	1.56	43.01	0.755	0.731			Intermediately plastic silty sandy CLAY with little rounded gravel inclusions	
29	TP-SE-8	2,5-3,0	9	9.7	14.1	48.9	4.4	9.5	3.7	9.7		14.4	22.7	34.6	19.5	15.1	2.42								Rounded GRAVEL with low plastic sandy clay matrix, with rounded cobbles and boulders inclusions	
30	BH-SE-9	2,6-2,8	3		13.8	70.2	2.8	6.2	3.0	4.0		3.3					2.53								Rounded GRAVEL with sand matrix, with rounded cobbles inclusions	
31	BH-SE-9	9,8-10,0	9		11.3	45.0	11.7	10.7	6.5	10.5	4.3	6.3	10.6	21.2	12.9	8.3	2.55								Rounded GRAVEL with low plastic sandy silty CLAY matrix, with rounded cobbles inclusions	
32	BH-SE-10	0,5-1,5	7			54.1	5.9	7.8	3.9	19.3	9.0	15.9		48.6	23.3	25.3	2.60								Rounded GRAVEL with intermediately plastic sandy silty CLAY matrix	
33	BH-SE-11	0,5-2,0	8		21.9	51.0	4.5	8.2	5.8	8.6		11.2					2.53								Rounded GRAVEL with sand matrix, with rounded cobbles inclusions	
34	BH-SE-11	4,4-4,6	7		5.8	61.7	8.3	9.0	10.5	4.7		9.8					2.51								Rounded GRAVEL with sand matrix, with little rounded cobbles inclusions	
35	BH-SB1-1	3,0-3,3	9		3.1	60.5	6.1	8.3	6.3	12.6	3.1	11.9	24.6	31.4	19.6	11.8	2.63								Rounded GRAVEL with low plastic sandy CLAY matrix, with a little rounded cobbles inclusions	
36	BH-SB1-1	8,0-8,4	7		5.7	64.6	3.9	10.5	8.2	7.1															Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions	
37	BH-SB1-1	17,2-17,5	8			71.2	7.0	7.4	5.6	8.8															Rounded GRAVEL with sand matrix	
38	BH-SB1-2	0,4-2,0	9		3.6	60.4	8.3	8.1	10.6	9.0		8.8					2.51								Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions	
39	BH-SB1-2	10,0-11,0	7		8.5	57.2	13.0	4.9	8.1	8.3		6.7					2.53								Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions	
40	BH-SB1-2	24,2-24,5	9			0.2	1.0	4.2	11.5	50.9	32.2	21.1		38.7	18.9	19.8	2.74	1.85	1.53	44.25	0.794	0.729			Intermediately plastic silty CLAY	
41	BH-SB1-2	25,2-25,4	7				1.1	2.9	8.8	58.3	28.9	22.7		36.4	17.5	18.9	2.74	1.88	1.53	44.08	0.788	0.789			Intermediately plastic silty CLAY	
42	BH-SB1-2	33,0-34,0	9		4.6	64.9	10.8	7.3	3.2	9.2		11.9					2.58								Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions	
43	BH-SB1-3	0,4-2,0	6		3.6	60.8	9.0	8.8	8.3	9.5		1.8					2.66								Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions	
44	BH-SB1-3	2,0-2,4	7		8.4	66.8	8.0	7.7	3.6	5.5		5.4					2.56								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions	
45	BH-SB1-3	5,0-5,4	9		9.0	68.0	7.8	6.6	4.3	4.3		5.8					2.56								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions	
46	BH-SB1-3	6,7-7,0	9		8.7	66.9	7.5	8.4	4.0	4.5		6.1					2.58								Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions	
47	BH-SB1-3	23,4-23,7	5			0.5	5.0	8.0	6.2	54.1	26.2	20.6		38.6	19.5	19.1	2.74	1.86	1.54	43.71	0.777	0.727			Intermediately plastic silty CLAY	
48	BH-SB1-3	24,15-24,45	7			0.1	0.8	2.4	10.5	66.9	19.3	20.0		36.5	18.1	18.4	2.73	1.99	1.66	39.26	0.646	0.845	0.240		Intermediately plastic silty CLAY	
49	BH-SB1-4	0,1-2,0	9		10.4	46.7	10.7	15.4	10.7	6.1		3.9														Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions

№	TP-BH #	Sampling depth, m	STRATUM	Grain Size, mm								Moisture content W%		Plasticity			Density, g/cm ³			Porosity, n%	Voids Ratio, e	Saturation Degree, G	Unconfined Compressive Strength, qu, Mpa	Soil discription	
				Boulders % > 200	Cobbles % 200 - 63	Gravel % 63,0-2,0	Sand			Silt % 0,04 - 0,002		Clay % < 0,002	Natural	Matrix	Liquid Limit, W _L	Plastic Limit, W _p	Plasticity Index, I _p	Particle Density, ρ _s	Density, ρ						Dry Density, ρ _d
							Coarse% 1,18-0,600	Medium % 0,425-0,212	Fine % 0,150-0,063																
50	BH-SB1-4	4.0-4.3	7		11.0	51.7	5.7	14.0	10.7	6.9	3.5							2.55							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
51	BH-SB1-4	5.7-6.0	3		10.9	72.8	2.2	6.5	3.1	4.5	2.2							2.64	2.22						Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
52	BH-SB1-4	9.3-9.8	3		9.0	55.5	7.3	11.7	10.2	6.3	3.8							2.58							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
53	BH-SB1-4	12.8-13.0	3								21.1								2.10				0.112		CLAY
54	BH-SB1-4	13.1-13.3	7			44.2	2.3	7.0	13.4	23.0	10.1	12.9	21.2	31.2	20.1	11.1	0.10	2.33	2.02	1.79	23.21	0.302	0.994		Rounded GRAVEL with low plastic silty sandy clay matrix
55	BH-SB1-4	21.7-22.0	7			14.8	15.3	46.8	8.7	12.9	1.5	13.4						2.69							Silty SAND with a rounded gravel content
56	BH-SB1-4	24.1-24.3	9									21.5							2.14				0.210		CLAY
57	BH-SB1-4	25.3-25.6	9				0.7	3.9	3.2	72.5	19.7	26.7		47.0	21.5	25.5	0.20	2.75	2.00	1.58	42.60	0.742	0.989		Intermediately plastic silty CLAY
58	BH-SB1-4	29.0-29.5	9		9.0	63.7	5.5	9.7	5.1	7.0		6.1	11.2					2.45							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
59	BH-SB1-5	0.4-0.6	9				0.7	10.4	30.7	53.5	4.7	7.3		36.0	22.8	13.2	-1.17	2.70	1.72	1.60	40.63	0.684	0.288		Intermediately plastic sandy silty CLAY
60	BH-SB1-5	4.0-5.0	9		8.2	61.9	6.2	9.7	7.2	6.8		7.3						2.55							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
61	BH-SB1-5	13.5-13.8	9		6.3	59.7	6.6	13.2	8.4	5.8															Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
62	BH-SB1-5	19.0-20.0	4		8.8	63.5	6.4	6.4	5.6	9.3															Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
63	BH-SB1-6	0.3-1.0	4			2.9	1.8	13.4	30.6	39.5	11.8	12.3		37.5	22.1	15.4	-0.64	2.73	1.88	1.67	38.68	0.631	0.532		Intermediately plastic sandy silty CLAY with a little rounded gravel content
64	BH-SB1-6	3.5-4.0	9			67.8	5.1	12.6	5.3	9.2		5.2						2.60							Rounded GRAVEL with silty sand matrix
65	BH-SB1-6	6.0-6.5	9			73.4	6.6	9.0	4.0	7.0		3.6						2.59							Rounded GRAVEL with sand matrix
66	BH-SB1-6	16.0-17.0	9		17.7	66.9	2.3	6.7	2.8	3.6								2.60							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
67	BH-SB1-6	25.0-25.5	9			0.3	2.0	2.5	8.2	55.3	31.7	17.5		40.2	19.1	21.1	-0.08	2.73	1.90	1.62	40.77	0.688	0.694		Intermediately plastic silty CLAY
68	BH-SB1-6	29.0-30.0	9			7.8	17.8	26.2	26.1	20.8	1.3	12.9						2.68							Silty SAND with a little rounded gravel content
69	BH-SE-12	0.4-2.0	4			1.4	9.3	19.4	6.1	44.3	19.5	19.1		40.0	19.7	20.3	-0.03	2.73	1.95	1.64	40.03	0.667	0.781		Intermediately plastic silty sandy CLAY
70	BH-SE-12	4.0-4.3	4		7.9	60.7	10.3	6.5	8.7	5.9		7.8						2.47							Rounded GRAVEL with sand matrix, with little rounded cobbles inclusions
71	BH-SE-12-1	0.0-1.8	9					18.4	10.8	48.9	21.9	18.5		40.8	20.0	20.8	-0.07	2.74	1.89	1.59	41.79	0.718	0.706		Intermediately plastic silty sandy CLAY
72	BH-SE-12-1	4.0-5.0	9		2.5	67.3	7.5	14.3	3.9	4.5		3.0						2.63							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
73	BH-SB3-1	0.4-2.0	9			0.2	2.0	3.2	20.8	57.8	16.0	9.7		41.5	19.8	21.7	-0.47	2.74	1.85	1.69	38.45	0.625	0.425		Intermediately plastic silty sandy CLAY
74	BH-SB3-1	4.0-5.0	9			10.0	0.5	44.2	24.5	19.2	1.6							2.68							Silty SAND with a little rounded gravel content
75	BH-SB3-1	12.0-14.0	4		8.5	62.1	7.4	8.7	5.5	7.8		7.0						2.50							Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
76	BH-SB3-1	27.0-27.7	4				0.2	1.2	22.2	58.6	17.8	22.9		28.7	16.2	12.5	0.54	2.70	2.01	1.64	39.43	0.651	0.950		Low plastic silty sandy CLAY

№	TP-BH #	Sampling depth, m	STRATUM	Grain Size, mm								Moisture content W%		Plasticity			Liquidity Index, IL	Density, g/cm ³			Porosity, n%	Voids Ratio, e	Saturation Degree, G	Unconfined Compressive Strength, q _n , Mpa	Soil discription
				Boulders % > 200	Cobbles % 200 - 63	Gravel % 63,0-2,0	Sand			Silt % 0,04 - 0,002	Clay % < 0,002	Natural	Matrix	Liquid Limit, W _L	Plastic Limit, W _p	Plasticity Index, I _p		Particle Density, ρ _s	Density, ρ	Dry Density, ρ _d					
77	BH-SB3-1	28,3-28,5	7				Coarse% 1,18-0,600	Medium % 0,425-0,212	Fine % 0,150-0,063	56.5	19.3	24.5		29.5	18.0	11.5	0.57	2.71	1.99	1.60	41.02	0.695	0.955	0.112	Low plastic silty sandy CLAY
78	BH-SE-14	1.2-2.3	4			7.0	13.7	43.9	15.9	18.5	1.0	12.4						2.69							Silty SAND with a little rounded gravel content
79	BH-SE-14	2.7-3.0	4		19.0	58.0	5.0	5.1	3.8	9.1		7.2						2.58							Rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions
80	BH-SE-14	3.2-3.4	9			8.6	11.9	36.6	19.1	22.4	1.4	14.1						2.69							Silty SAND with a little rounded gravel content
81	BH-SE-14	5.8-6.0	3		9.0	60.5	8.9	9.2	5.9	6.5		9.6						2.49							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
82	BH-SE-15	0,0-2,4	9			4.1	8.3	31.5	20.0	25.6	10.5	15.9		31.8	18.0	13.8	-0.15	2.70	1.92	1.66	38.64	0.630	0.682		Low plastic sandy silty CLAY with a little rounded gravel content
83	BH-SE-15	4,0-5,0	9			80.8	4.2	6.6	3.8	4.6															Rounded GRAVEL with sand matrix
84	BH-SE-15	7,0-8,0	9			8.5	14.7	26.4	20.1	24.9	5.4							2.69							Silty SAND with a little rounded gravel content
85	BH-SI2-1	1,0-2,0	3			0.1	0.4	0.8	2.8	68.1	27.8	25.9		51.4	23.5	27.9	0.09	2.75	1.90	1.51	45.12	0.822	0.866		Highly plastic silty CLAY
86	BH-SI2-1	3,6-3,85	9			0.1	0.7	10.7	25.1	49.0	14.4	21.8		28.2	16.4	11.8	0.46	2.70	2.05	1.68	37.66	0.604	0.974		Low plastic silty sandy CLAY
87	BH-SI2-1	4,65-4,90	9				0.9	5.6	10.0	53.0	30.5	27.6		41.2	20.0	21.2	0.36	2.74	1.95	1.53	44.23	0.793	0.954	0.173	Intermediately plastic silty sandy CLAY
88	BH-SI2-1	10,2-10,5	9		13.1	59.8	6.4	6.8	4.6	9.3		4.2	6.6					2.49							Rounded GRAVEL with silty sand matrix, with rounded cobbles inclusions
89	BH-SI2-1	16,5-16,9	4			10.7	1.6	39.4	29.3	17.0	2.0	20.6						2.68							Silty SAND with a little rounded gravel content
90	BH-SE-16	0.5-2.0	7			9.5	18.1	30.4	18.6	22.3	1.1	12.5						2.68							Silty SAND with a little rounded gravel content
91	BH-SE-16	4.5-4.8	5		6.8	59.2	7.4	11.3	7.4	7.9		9.9						2.51							Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
92	BH-SE-17	0.8-2.0	6			9.7	15.8	30.1	14.1	28.5	1.8	14.5						2.69							Silty SAND with a little rounded gravel content
93	BH-SE-17	3.3-3.5	6		8.2	61.4	5.8	9.3	7.5	7.8		12.7						2.54							Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
94	BH-SE-18	0.4-2.0	9			7.4	10.4	17.5	12.6	48.3	3.8	23.2		29.8	23.2	6.6		2.69							Low plastic sandy clayey SILT with a little rounded gravel inclusions
95	BH-SE-18	2.3-2.5	4			7.3	18.7	29.0	14.3	28.3	2.4	14.9		30.9	21.4	9.5	-0.68	2.68							Low plastic sandy silty CLAY with a little rounded gravel content
96	BH-SE-18	2.8-3.0	3		9.2	67.9	3.6	5.5	7.1	6.7		11.1						2.51							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
97	BH-SE-18	8.7-9.0	7		7.8	66.9	3.7	6.8	7.5	7.3		9.4						2.49							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
98	BH-SE-19	0,5-1,3	9				0.9	1.1	1.3	60.6	36.1	20.0		47.2	23.9	23.3	-0.17	2.73	1.87	1.56	42.92	0.752	0.726		Intermediately plastic silty CLAY
99	BH-SE-19	3,2-3,4	4			2.3	15.0	34.0	15.6	30.5	2.6	13.6		31.2	22.3	8.9	-0.98	2.69							Low plastic sandy silty CLAY with a little rounded gravel content
100	BH-SE-19	7,2-7,6	4		6.2	62.4	8.1	13.0	3.4	6.9		5.6						2.52							Rounded GRAVEL with sand matrix, with a little rounded cobbles inclusions
101	BH-SE-19	9,9-10,2	9			22.8	3.7	38.7	14.8	18.1	1.9	14.5		32.4	22.5	9.9	-0.81	2.68							Low plastic sandy silty CLAY with a rounded gravel content
102	BH-SB2-1	0.5-2.0	4			14.9	9.5	14.7	16.1	30.0	14.8	29.0		39.5	17.0	22.5	0.53	2.73	1.90	1.47	46.03	0.853	0.927		Intermediately plastic sandy silty CLAY with a little rounded gravel content
103	BH-SB2-1	5.0-9.0	4			1.0	11.9	19.4	16.7	42.7	8.3	22.5		27.2	21.5	5.7	0.18	2.69	1.80	1.47	45.38	0.831	0.729		Low plastic sandy clayey SILT with a little rounded gravel content
104	BH-SB2-1	10.3-10.5	9			1.6	8.3	20.3	16.0	45.2	8.6	22.0		26.9	21.1	5.8	0.16	2.68	1.81	1.48	44.64	0.806	0.731		Low plastic sandy clayey SILT with a little rounded gravel content

№	TP-BH #	Sampling depth, m	STRATUM	Grain Size, mm								Moisture content W%		Plasticity			Liquidity Index, IL	Density, g/cm ³			Porosity, n%	Voids Ratio, e	Saturation Degree, G	Unconfined Compressive Strength, q _n , Mpa	Soil discription
				Boulders % > 200	Cobbles % 200 - 63	Gravel % 63,0-2,0	Sand			Silt % 0,04 - 0,002	Clay % < 0,002	Natural	Matrix	Liquid Limit, W _L	Plastic Limit, W _p	Plasticity Index, I _p		Particle Density, ρ _s	Density, ρ	Dry Density, ρ _d					
105	BH-SB2-1	16,0-19,0	9		10,0	61,5	5,9	8,1	5,0	9,5		8,7						2,52							Rounded GRAVEL with silty sand matrix, with a little rounded cobbles inclusions
106	BH-SB2-1	21,1-22,5	9				1,0	5,6	28,0	55,0	10,4	23,9		27,2	16,8	10,4		2,70	2,02	1,63	39,62	0,656	0,984	0,113	Low plastic silty sandy CLAY
107	BH-SE-20	0,0-2,0	4					0,5	0,8	66,2	32,5	30,9		52,9	28,3	24,6		2,74	1,90	1,45	47,03	0,888	0,954		Highly plastic silty CLAY
108	BH-SE-20	2,0-2,3	3					0,9	0,9	66,5	31,7	29,5		45,4	23,0	22,4		2,73	1,88	1,45	46,82	0,881	0,915		Intermediately plastic silty CLAY
109	BH-SE-20	4,1-4,3	6				0,5	0,7	0,4	63,4	35,0	27,6		45,1	23,1	22,0		2,74	1,91	1,50	45,37	0,830	0,911		Intermediately plastic silty CLAY
110	BH-SE-20	6,0-6,8	4			3,5	15,7	30,6	12,2	32,2	5,8	22,5		31,2	16,6	14,6		2,70							Low plastic sandy silty CLAY with a little rounded gravel content
111	BH-SE-20	13,4-13,6	9			3,8	17,8	25,2	15,9	31,7	5,6	23,8		31,1	16,9	14,2		2,69							Low plastic sandy silty CLAY with a little rounded gravel content
112	BH-SE-20	14,0-15,0	7		14,0	61,5	6,9	8,0	3,0	6,6		4,3						2,61							Rounded GRAVEL with sand matrix, with rounded cobbles inclusions
113	BH-SB4-1	0,4-2,0	3		3,3	53,8	2,7	13,6	4,5	19,2	2,9	6,0	10,3	29,0	22,8	6,2	-2,02	2,68							Rounded GRAVEL with low plastic sandy silt matrix, with little rounded cobbles inclusions
114	BH-SB4-1	15,0-16,0	9		2,4	60,0	3,5	4,5	4,4	22,6	2,6	10,8													Rounded GRAVEL with low plastic sandy silt matrix, with little rounded cobbles inclusions
115	BH-SB4-1	25,3-25,5	3			6,8	4,9	25,0	21,4	27,2	14,7	26,5		40,0	20,8	19,2		2,74	1,92	1,52	44,61	0,805	0,902	0,277	Intermediately plastic silty sandy CLAY with a little rounded gravel content
116	BH-SB5-1	0,4-2,0	3			5,8	3,8	23,6	21,4	28,9	16,5	25,3		38,9	20,0	18,9		2,73	1,89	1,51	44,75	0,810	0,853		Intermediately plastic silty sandy CLAY with a little rounded gravel content
117	BH-SB5-1	8,0-9,0	9		2,8	61,8	2,7	5,9	3,6	20,6	2,6	11,0													Rounded GRAVEL with sandy silt matrix, with a little rounded cobbles inclusions
118	BH-SB5-1	19,0-20,0	9		1,9	61,7	2,3	4,5	3,3	23,7	2,6	10,7													Rounded GRAVEL with sandy silt matrix, with a little rounded cobbles inclusions
119	BH-SB6-1	0,3-2,0	3			4,8	1,8	23,2	22,9	28,7	18,6	25,7		39,6	20,1	19,5		2,74	1,91	1,52	44,54	0,803	0,877		Intermediately plastic silty sandy CLAY with a little rounded gravel content
120	BH-SB6-1	7,0-8,0	9		2,5	59,8	2,7	8,4	3,2	20,3	3,1	5,4	9,2	28,8	22,3	6,5	-2,02	2,68							Rounded GRAVEL with low plastic sandy silt matrix, with little rounded cobbles inclusions
121	BH-SB6-1	25,0-26,0	9		2,1	61,0	4,0	6,1	3,9	20,4	2,5	10,1													Rounded GRAVEL with sandy silt matrix, with a little rounded cobbles inclusions
122	BH-SB6-1	27,1-27,3	4			2,1	7,6	11,8	9,1	47,4	22,0	27,5		39,9	19,1	20,8		2,73	1,90	1,49	45,41	0,832	0,902		Intermediately plastic silty sandy CLAY with a little rounded gravel content
123	BH-SB6-1	29,7-29,9	4			2,7	9,5	16,4	8,9	38,1	24,4	26,9		38,7	20,0	18,7		2,74	1,92	1,51	44,78	0,811	0,909	0,206	Intermediately plastic silty sandy CLAY with a little rounded gravel content

ANNEX 8

Comparison Table of Geological Terms

COMPARISON TABLE OF GEOLOGICAL TERMS

Terms used in the Soviet Union	Description (as per the Soviet Union)	Terms used in the UK
Deluvial deposit	genetic type of continental formations that accumulate mainly on slopes and at their bases, and also at low parts of divide as a result of rainwash and wash by water from melted snow of weathering loose products from the upper parts	Colluvial deposit
Proluvial deposit	formations formed by temporary active stream water which compose fans and their junctions. From the vertex of cone to the bottom mechanical composition of fragmentary material changes from pebble (shingle) and gravel with sandy-clayey filling to thinner, sorted sediments (clay sand and loamy soil)	Alluvial deposit
Alluvial deposit	type of continental deposits formed by permanent streams in river valleys	Alluvial deposit
Colluvial deposit	accumulations of coarse material on skew surfaces of divides, on mountain slopes and bottoms. It represents accumulations of rockslides and placers that formed as a result of displacement of weathering and destruction of rocks products to short or very short distances from the alimentation zone under the influence of own weight (gravity forces)	Colluvial deposit
Eluvial deposit	rock weathering products remained in-situ. Eluvial deposits can be consisted of clays and clay rocks, sands, land waste, gravel and their intermediate diversities	Residual soil
Technogenic rocks	rocks which are artificially improved, reformed or re-created with filling, bulk, inwash and by other means	Fill (made ground)
Landslide	rock mass which slid or slides downslope under the influence of gravity, hydrodynamic pressure, seismic and some other forces	Landslide
Alluvial-proluvial (ap)	soil mass represents both equal layers which were formed by a river normal flow (alluvial-a) and formed by suddenly increased stream lens-like and heterogeneous composition lens-like laminations (proluvial-p)	Alluvial deposit
Deluvial-proluvial (dp)	soil (sedimentation) mass composed of both clay soil that is washed down from slopes by rain and during snow melting (deluvial-d) and also of clay-gravel sediments which left at accumulation regions by periodically stream from the above mentioned slopes, adjacent ravines, etc	Colluvial deposit