				<div>Start-Finish Date : 24.02-26.02.2018</div> <div>Trend/Plunge : Vertical</div> <div>Coordinate.X : 314944</div> <div>Coordinate.Y : 4704900</div> <div>Core Diameter : 89,00 mm.</div> <div>Elevation.Z (m) : 326,87 m.</div> <div>D.Rig. Rotary : Hydraulic / Rotary</div> <div>Boring Depth : 30.00 m.</div> <div>Casing Depth : 30.00 m.</div> <div>Groundwater : 11.00 m.</div>										<div>BOREHOLE NO: BH-VSK-13</div> <div>(Page 1 / 2)</div> <div>Undisturbed Sample : UD</div> <div>Core Sample : K</div> <div>Standart Penetration Test : SPT</div> <div>Pressuremeter Test : PMT</div> <div>Permeabilite Deneyi (Permeability Test) : PRB</div> <div>Packer Test : BST</div>							
<div>SİSTEM ZEMİN MÜH. İNŞ. TİC.LTD.ŞTİ.</div> <div>GEORGIA NAMA KHVANI</div> <div>HPP CASCADE PROJECT</div>																					
Boring Depth (m)	Sample Type	Lugeon	Strength (R)	S (Spacing)	UCS (Mpa)	E(Gpa)	N30 Graph	TCR %	SCR %	RQD %	Weathering	Groundwater level	Z (m)	Profile	Prepared by Dilara BAŞOĞUL Geological Engineer	Approved by Emre YILMAZ Geological Eng. M. Sc.					
															DESCRIPTION:						
0															0.00-4.50 m.						
1	K							-	-	-					DILUVIAL, COLLUVIAL and TERRACE deposits						
2	K							-	-	-					River Gravels with Sand and blocky rock fragments						
3															Subrounded-rounded						
4	K							-	-	-											
5	K							-	-	-					4.50-8.60 m.						
6															TUFF						
7	K							-	-	-					Light Brown						
8	K							-	-	-					Highly Weathered Weak Rock						
9																					
10	K			S2				65	9	-	W4				8.60-30.00 m.						
11	K			S2				82	9	0	W4				LAVA BRECCIA and TUFF BRECCIA						
12															With FeO concretion						
13	K			S2				66	29	27	W3				Highly to Moderately Weathered (W3-W4)						
14	K			S2				84	27	15	W4				Very Poor to Good Rock Quality						
15															Closely spaced to Very Closely Spaced (S3-S2)						
Spacing S1 Ext.close spacing S2 Very close spacing S3 Close spacing S4 Moderately spacing S5 Widely spacing S6 Very Widely spacing S7 Ext. Widely spacing				Strength Classification (R0)<1 Mpa Ext. Weak Rock (R1)1-5 Mpa Very Weak Rock (R2)5-25 Mpa Weak Rock (R3)25-50 Mpa Medium Rock (R4)50-100 Mpa Strong Rock (R5)100-250 Mpa Very Strong Rock (R6)>250 Mpa Ext.Strong Rock				Lugeon (Conductivity) <1 Low 1-5 Moderate 5-25 High >25 Very High				Rock Quality Designation 0-25 Very Poor 25-50 Poor 50-75 Fair 75-90 Good 90-100 Excellent				Weathering (W) W1 Fresh W2 Slightly Weathered W3 Mod. Weathered W4 Highly Weathered W5 Comp Weathered					

Boring Depth (m)	Sample Type	Lugeon	Strength (R)	S (Spacing)	UCS (Mpa)	E(Gpa)	N30 Graph	TCR %	SCR %	RQD %	Weathering	Groundwater level	Z (m)	Profile	Prepared by Dilara BAŞOĞUL Geological Engineer	Approved by Emre YILMAZ Geological Eng. M. Sc.
															DESCRIPTION:	
15															8.60-30.00 m. LAVA BRECCIA and TUFF BRECCIA Light grey to dark grey With FeO concretion Highly to Moderately Weathered (W3-W4) Very Poor to Good Rock Quality Closely spaced to Very Closely Spaced (S3-S2)	
16	K			S2				65	25	17	W4					
17	K			S2				65	13	8	W4					
18																
19	K			S2				67	21	21	W3					
20	K			S3				67	35	35	W3					
21																
22	K			S3				89	65	53	W2					
23	K			S2				61	25	25	W3					
24																
25	K			S4				78	69	66	W2					
26	K			S4				98	85	75	W2					
27																
28	K			S2				67	31	15	W4					
29	K			S2				51	13	0	W4					
30																

Spacing
S1 Ext.close spacing
S2 Very close spacing
S3 Close spacing
S4 Moderately spacing
S5 Widely spacing
S6 Very Widely spacing
S7 Ext. Widely spacing

Strength Classification
(R0)<1 Mpa Ext. Weak Rock
(R1)1-5 Mpa Very Weak Rock
(R2)5-25 Mpa Weak Rock
(R3)25-50 Mpa Medium Rock
(R4)50-100 Mpa Strong Rock
(R5)100-250 Mpa Very Strong Rock
(R6)>250 Mpa Ext.Strong Rock

Lugeon (Conductivity)
<1 Low
1-5 Moderate
5-25 High
>25 Very High

Rock Quality Designation
0-25 Very Poor
25-50 Poor
50-75 Fair
75-90 Good
90-100 Good

Weathering (W)
W1 Fresh
W2 Slightly Weathered
W3 Mod. Weathered
W4 Highly Weathered
W5 Comp. Weathered

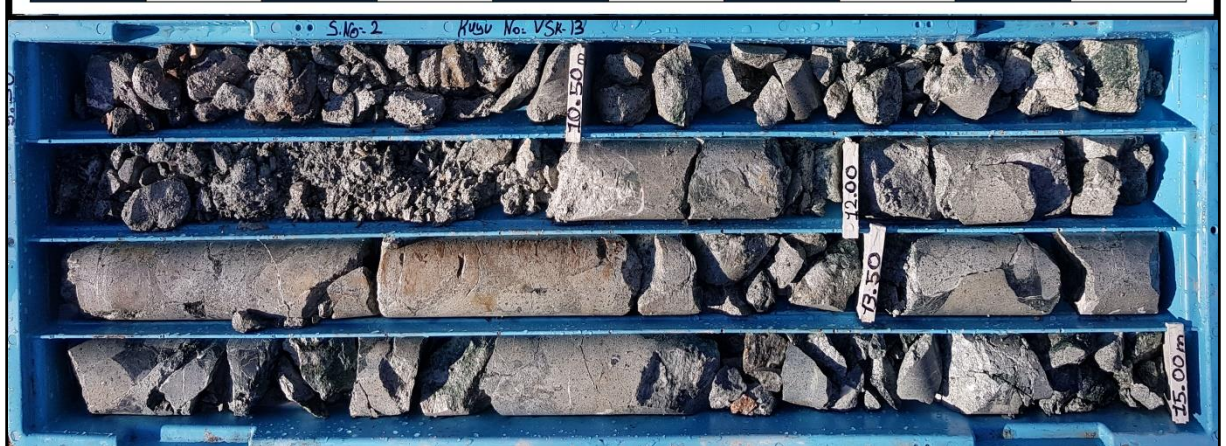
PROJECT NAME	GEORGIA NAMAKHVANI HPP CASCADE PROJECT		
CONTRACTOR	ENKA	SUBCONTRACTOR	sistemzemin
	ENKA İNŞAAT SANAYİ A.Ş.		SİSTEM ZEMİN MÜH. İNŞ. TIC.LTD.ŞTİ.
BOREHOLE NO	VSK-13	COREBOX NO	1-5
DATE DRILLED	24.02-26.02.2018	DEPTH (M)	0.00-9.50



0 **1 m.**





PROJECT NAME	GEORGIA NAMAKHVANI HPP CASCADE PROJECT		
CONTRACTOR	ENKA	SUBCONTRACTOR	sistemzemin
	ENKA İNŞAAT SANAYİ A.Ş.		SİSTEM ZEMİN MÜH. İNŞ. TIC.LTD.ŞTİ.
BOREHOLE NO	VSK-13	COREBOX NO	2-5
DATE DRILLED	24.02-26.02.2018	DEPTH (M)	9.50-15.00

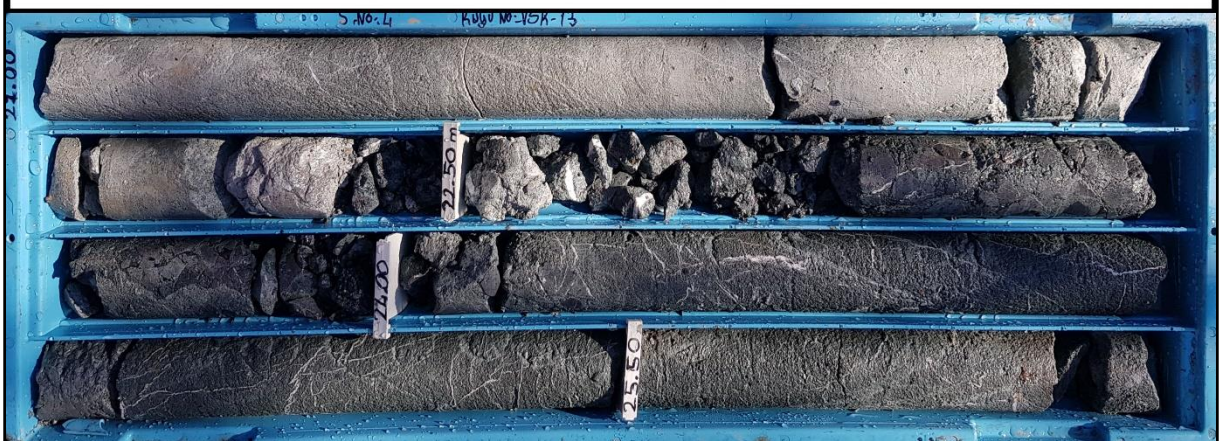
0 **1 m.**





PROJECT NAME	GEORGIA NAMAKHVANI HPP CASCADE PROJECT		
CONTRACTOR	ENKA	SUBCONTRACTOR	
	ENKA İNŞAAT SANAYİ A.Ş.		SİSTEM ZEMİN MÜH. İNŞ. TIC.LTD.ŞTİ.
BOREHOLE NO	VSK-13	COREBOX NO	3-5
DATE DRILLED	24.02-26.02.2018	DEPTH (M)	15.00-21.00
			
0			1 m.



PROJECT NAME	GEORGIA NAMAKHVANI HPP CASCADE PROJECT		
CONTRACTOR	ENKA	SUBCONTRACTOR	
	ENKA İNŞAAT SANAYİ A.Ş.		SİSTEM ZEMİN MÜH. İNŞ. TIC.LTD.ŞTİ.
BOREHOLE NO	VSK-13	COREBOX NO	4-5
DATE DRILLED	24.02-26.02.2018	DEPTH (M)	21.00-26.00
			
0			1 m.



PROJECT NAME	GEORGIA NAMAKHVANI HPP CASCADE PROJECT		
CONTRACTOR	ENKA	SUBCONTRACTOR	
	ENKA İNŞAAT SANAYİ A.Ş.		SİSTEM ZEMİN MÜH. İNŞ. TIC.LTD.ŞTİ.
BOREHOLE NO	VSK-13	COREBOX NO	5-5
DATE DRILLED	24.02-26.02.2018	DEPTH (M)	26.00-30.00
			
0			1 m.
