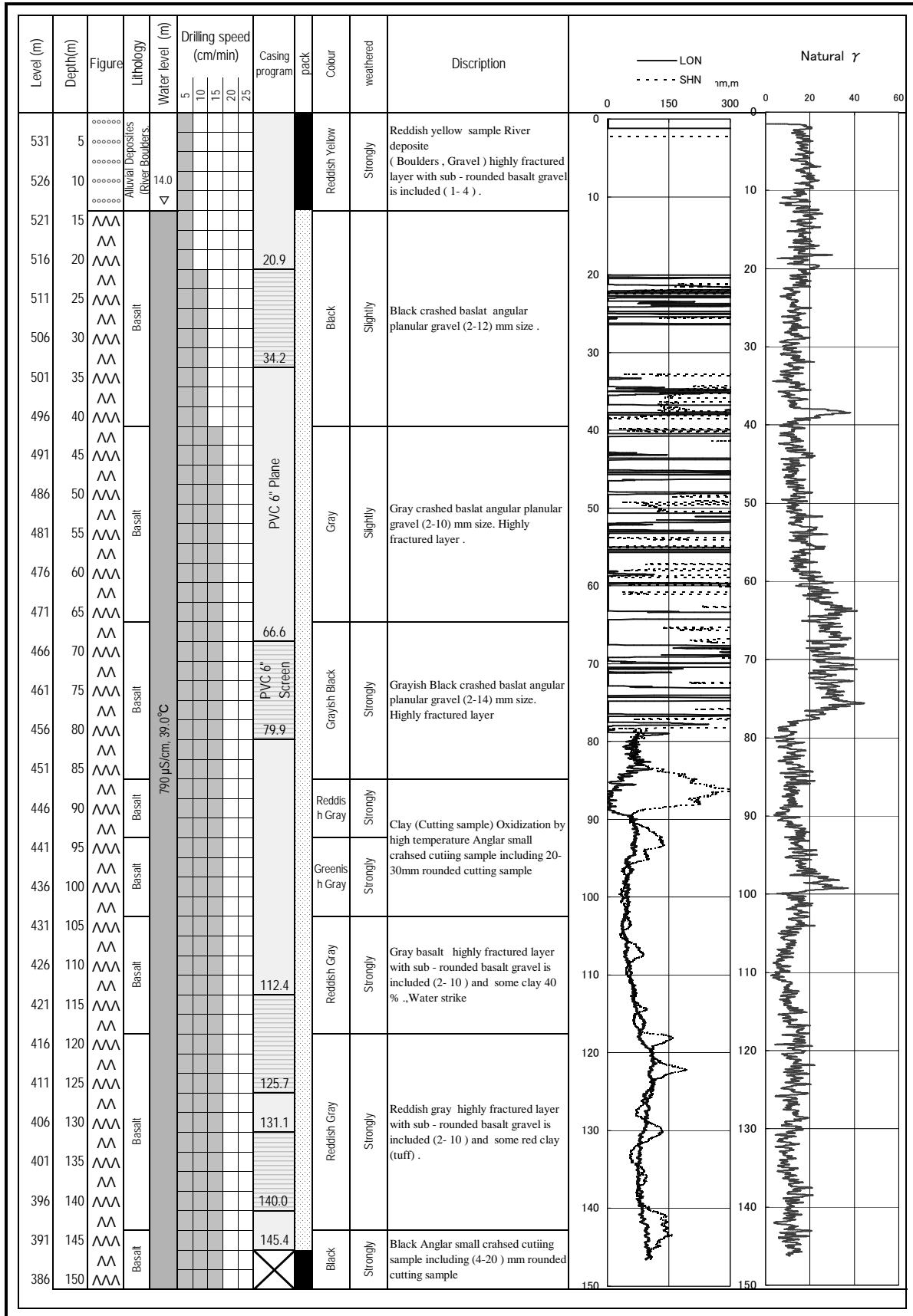


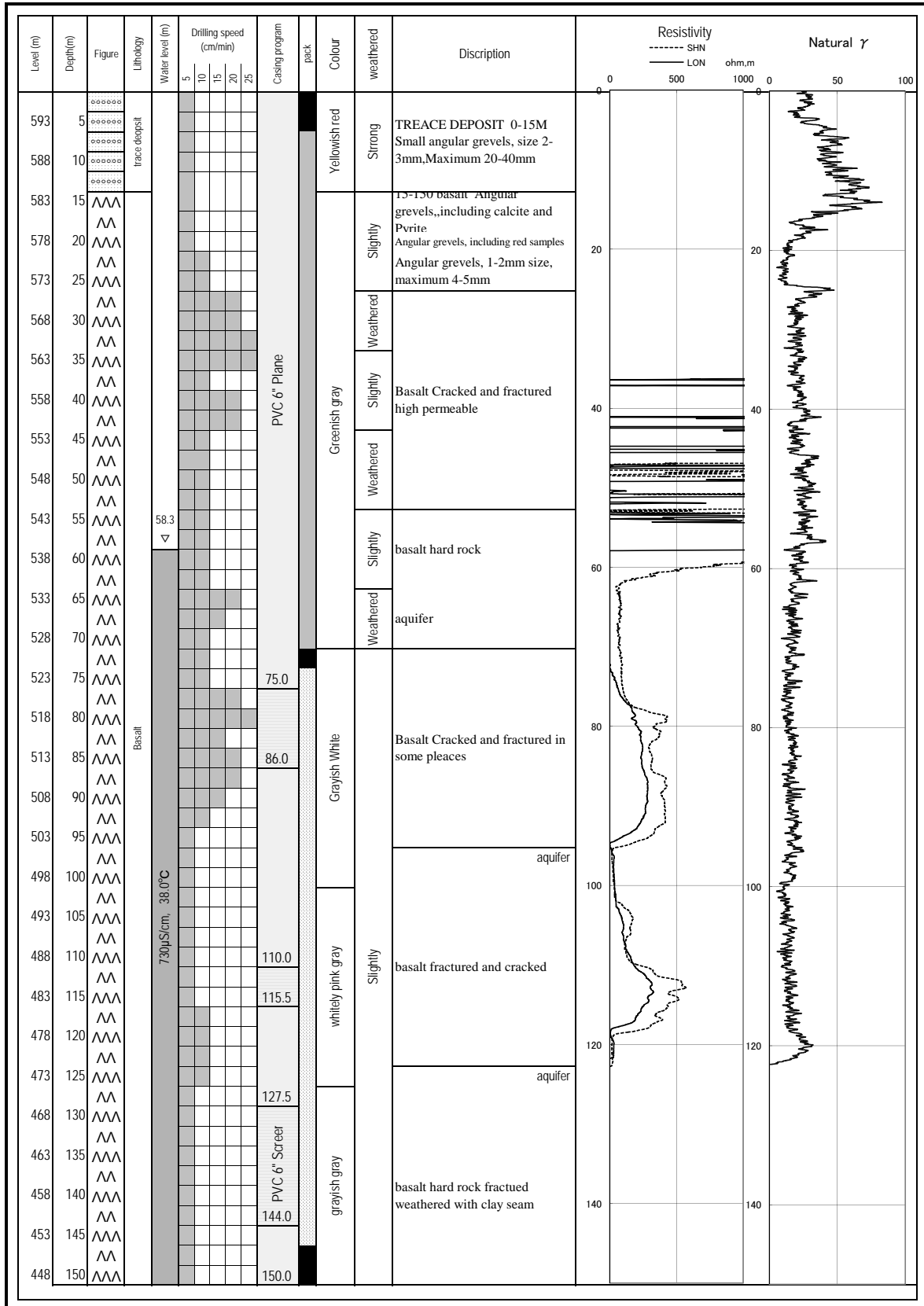
Drilling BH JW-8  
Coordinates: 11.08629N, 42.40719E

Date: 2010/10/14~15  
Village name: AFKA ARRABA  
Altitude: 536m



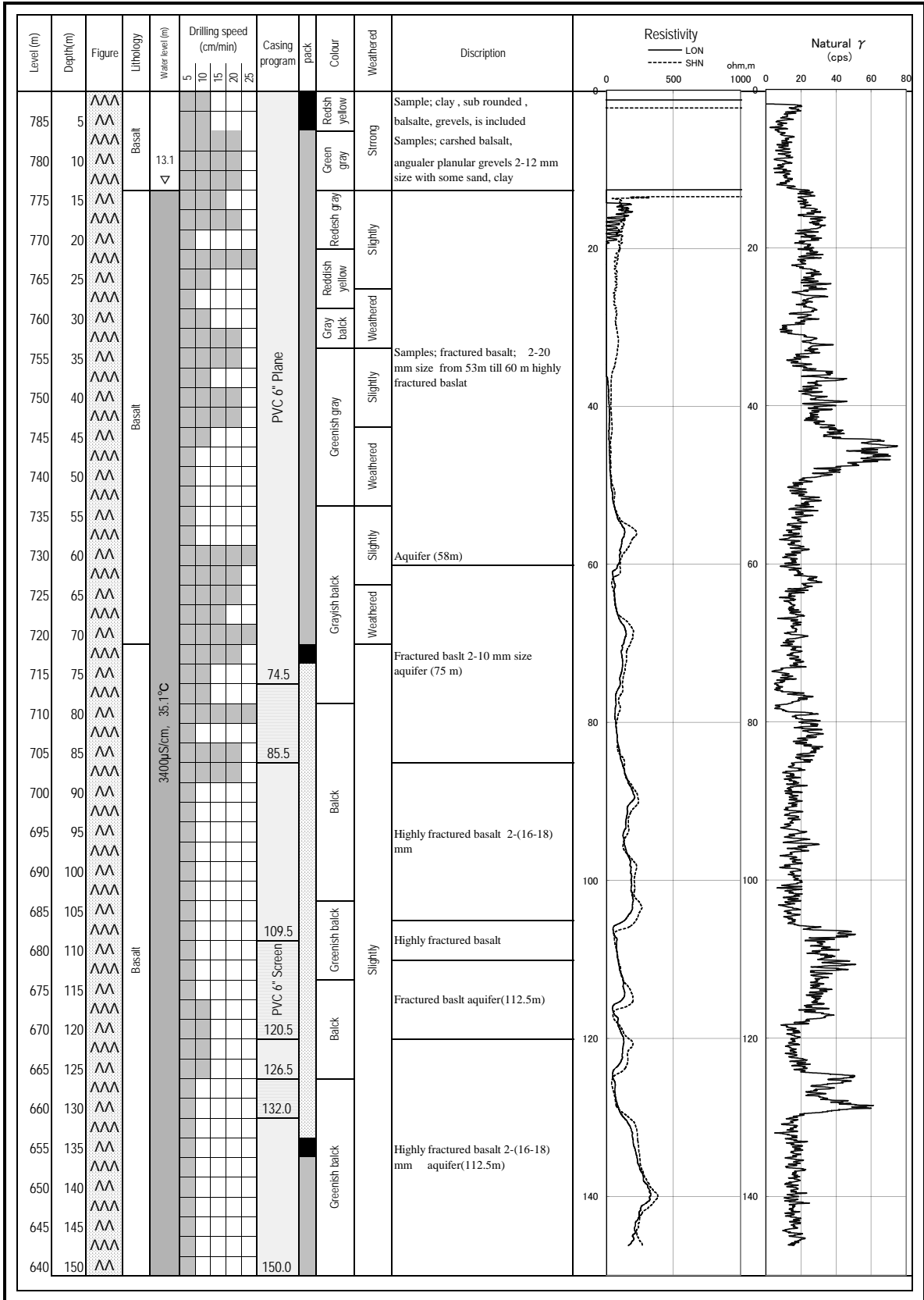
Drilling BH JW-9  
 Coordinates: 11.21184N, 42.67193E

Date: 2010/9/29~10/1  
 Village name: HAMBOUCTA  
 Altitude: 598m



Drilling BH JW-10  
 Coordinates: 11.09704N, 42.65063E

Date: 2010/10/3~5  
 Village name: GUELLILE  
 Altitude: 790m



**SUMMARY OF WELL CONDITION**

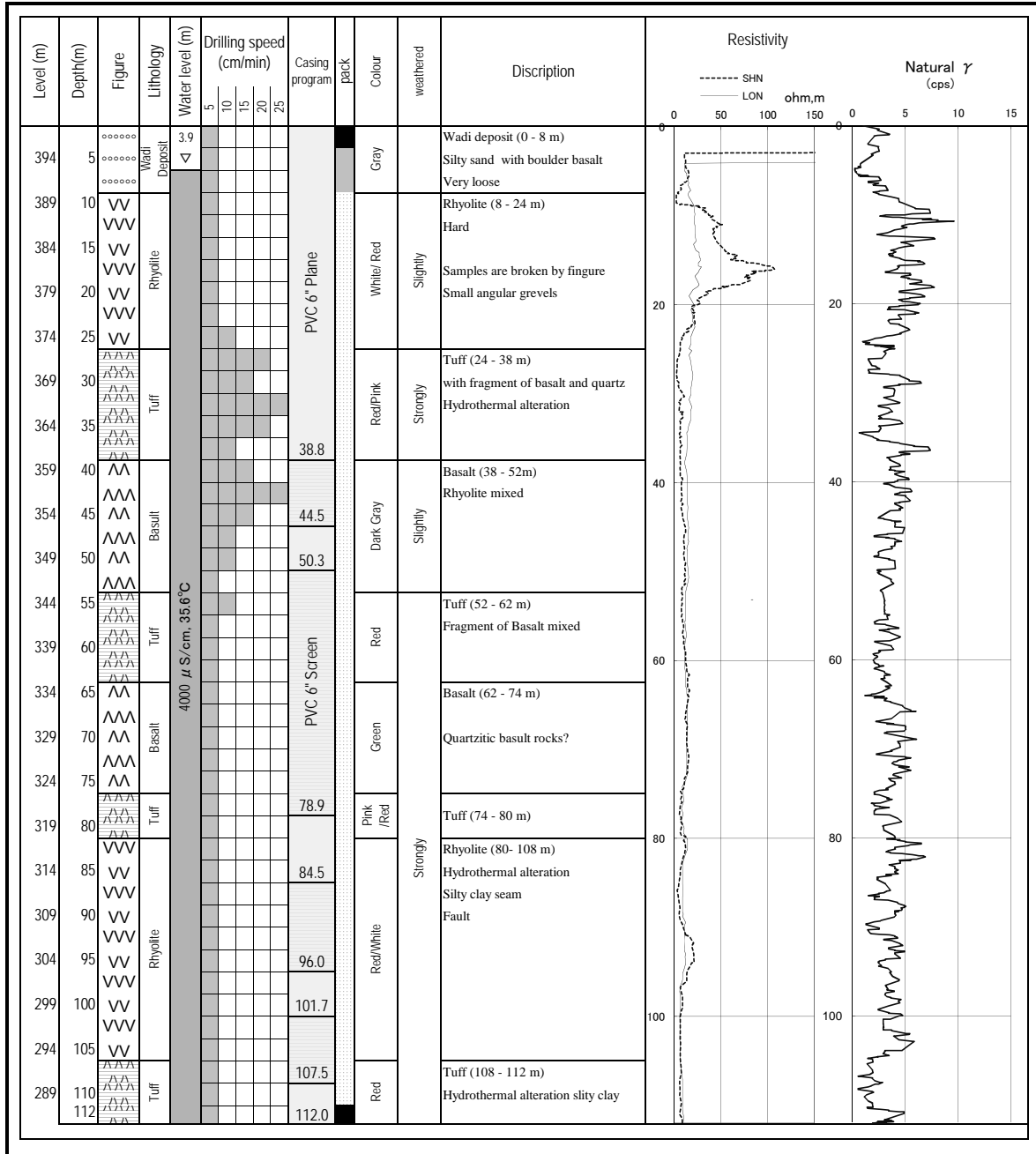
**LOCATION:** MIDGARRA

**DATE:** 20-Aug-10

	GEO MARK	LITHOLOGY	WATER LEVEL	SUMMARY OF WATER PUMP TEST
0		0-8m Wadi Deposit sand rich gravel with boulder	<b>S.W.L=</b> 3.9	<b>5 STEP TEST</b>  Not done
	^^			
	^^^	8-112m		
	^^	Basalt		
	^^^	Weathered and		
	^^	hydrothermal		
	^^^	alteration lava		
	^^			
	^^^		<b>DWWL=</b> 30.3	<b>24 HOURS CONTINUOUS UP LIFT</b>
	^^	High permeability		UPLIFT Q= 6.7 L/S
	^^^			TOTAL Q= 578.9 M <sup>3</sup> /24 HOURS
50	^^^	24-38m		DRAW DOWN=26.4M
	^^	52-62m		TRANSMISIVITY=13.2M <sup>2</sup> /DAY
	^^^	74-80m		
	^^	Tuff Hydrothermal		
	^^^	alteration		
	^^			
	^^^			<b>RECOVERY TEST</b>
	^^			RECOVERY TIME=160 MIN
	^^^			TRANSMISIVITY=8.1M <sup>2</sup> /DAY
	^^			
	^^^	80--108m		
	^^	Rhyolite		
	^^^	Red with white fragment		
	^^	Silty clay seam		
	^^^			
	^^			<b>WATER QUALITY</b>
	^^^			EC=4,310 μS/cm
100	^^			PH=7.1
	^^^	108-112m		TEMPERATURE=35.6°C
	^^	Red tuff		
	^^^	Hydrothermal alteration		
112	^^			

Drilling BH JW-11  
 Coordinates: 11.16117N, 42.96377 E

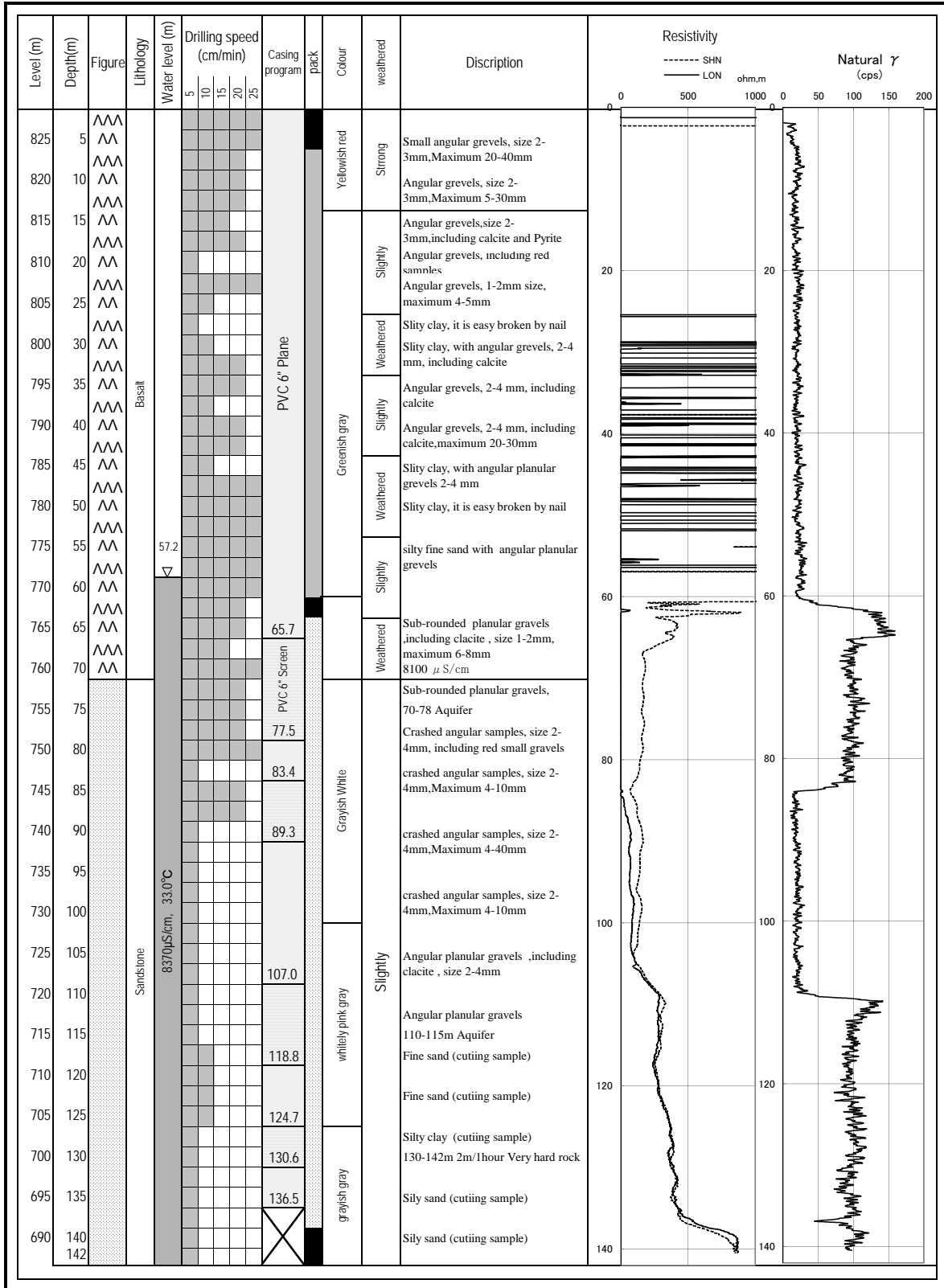
Date: 2010/7/23~27  
 Village name: MIDGARRA  
 Altitude: 399m





Drilling BH JW-12  
 Coordinates:11.08918N, 42.76075E

Date: 2010/7/27~29  
 Village name: OUARABALEI  
 Altitude: 830m



**SUMARRAY OF WELL CONDITION**

**LOCATION:** HILBAHEY

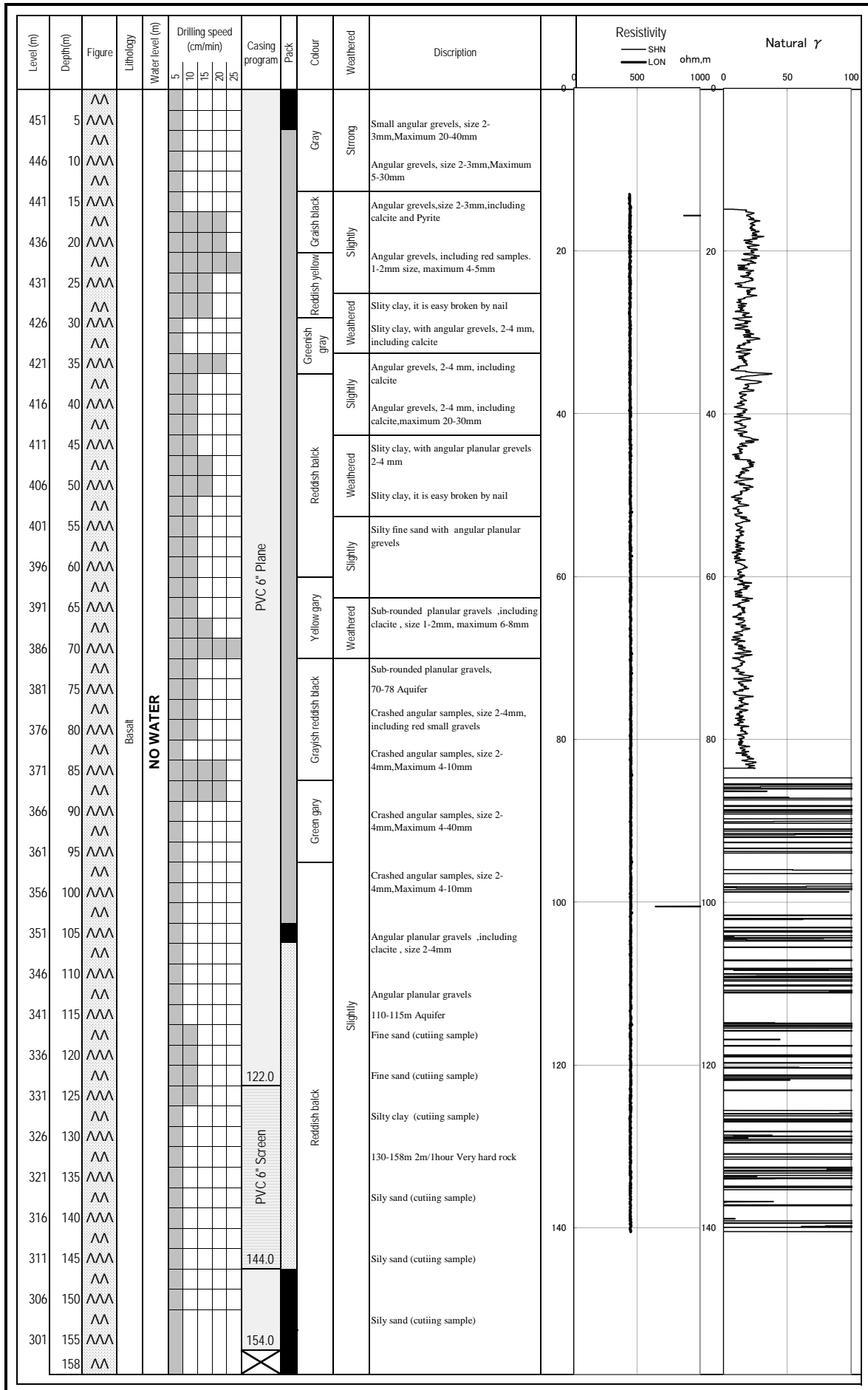
**DATE:** 10-Oct-10

	GEO MARK	LITHOLOGY	WATER LEVEL	SUMMARY OF WATER PUMP TEST
0		0-12m Gravel boulder		
	^^^	12-158m		<b><u>5 STEP TEST</u></b> NO WATER
	^^	Basalt lava		
	^^^			
	^^	Typical lava		
	^^^	hard and tight rock		
	^^			
	^^^	Cracked is rare		<b><u>24 HOURS CONTINUOUS UP LIFT</u></b> NO WATER
	^^			
50	^^^	Weathered in some		
	^^	plaeeces		
	^^^			
	^^	Fresh locally fractured		
	^^^			
	^^			
	^^^			<b><u>RECOVERY TEST</u></b> NO WATER
	^^			
	^^^			
	^^			
	^^^			
	^^			
100	^^^			<b><u>WATER QUALITY</u></b> NO WATER
	^^			
	^^^			
	^^			
	^^^			
	^^			
	^^^			
	^^			
	^^^			
	^^			
	^^^			
	^^			
150	^^^			
	^^			
158	^^^			



Drilling BH JW-13  
Coordinates: 11.4774N, 42.85307E

Date: 2010/10/6~10  
Village name: HILBAHEY  
Altitude: 456m



**SUMMARY OF WELL CONDITION**

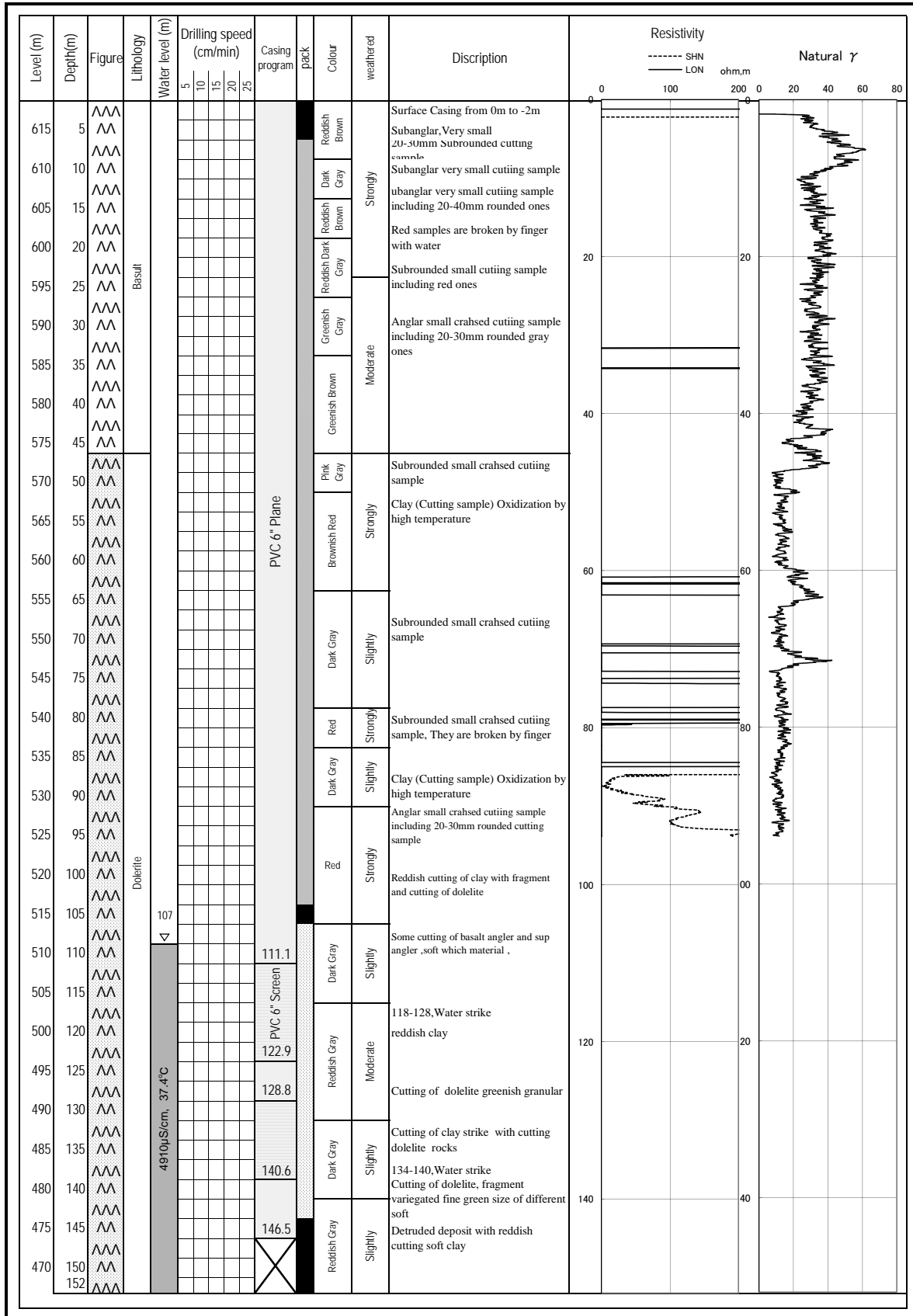
**LOCATION:** PETIT BARA

**DATE:** 4-Aug-10

	GEO MARK	LITHOLOGY	WATER LEVEL	SUMMARY OF WATER PUMP TEST
0	^^	0--150m		<p><b><u>5 STEP TEST</u></b></p> <p>Not done</p> <p><b><u>24 HOURS CONTINUOUS UP LIFT</u></b></p> <p>UPLIFT Q= 7 L/S                      TOTAL Q= 604.8 M<sup>3</sup> / 24 HOURS                      DRAW DOWN=0.86M                      TRANSMISIVITY=460.6M<sup>2</sup>/DAY</p> <p><b><u>RECOVERY TEST</u></b></p> <p>RECOVERY TIME= 45 MIN                      TRANSMISIVITY=407.4M<sup>2</sup>/DAY</p> <p><b><u>WATER QUALITY</u></b></p> <p>EC=4,910 μ S/cm                      PH=7.33                      TEMPERATURE= 37.4°C</p>
	^^^	Basalt Lava		
	^^	Hard and tight rock		
	^^^	partially only cracked		
	^^	Low permeability		
	^^^			
	^^			
	^^^			
	^^	0--40m		
	^^^	Weathered and fractured		
	^^	with clay seam		
	^^^			
	^^			
50	^^^	50--55m		
	^^	Weathered with clay		
	^^^			
	^^	60--65m		
	^^^	Weathered reddish		
	^^	in color		
	^^^			
	^^			
	^^^			
	^^			
	^^^			
	^^			
100	^^^	100m below		
	^^	Cracked and fractured		
	^^^	High permeability		
	^^		S.W.L= 110.9	
	^^^		DWWL= 111.76	
	^^			
	^^^	118m below		
	^^	Aquifer rich		
	^^^			
	^^			
	^^^			
	^^			
	^^^			
	^^			
150	^^^			
152	^^			

Drilling BH JW-14  
 Coordinates: 11.35762E, 42.78563 E

Date: 2010/7/16~22  
 Village name: PETIT BARA  
 Altitude: 620m





Drilling BH JW-15  
 Coordinates: 11.52272N, 42.91245E

Date: 2010/7/11~15  
 Village name: PK-30  
 Altitude: 323m

