

List of Errata 1 (Main Document)

Page	Line	(Error)	(True)								
p.25	Second line from the bottom	Based on the natural and social conditions, 15 sites were selected for test well drilling.	Based on the natural and social conditions, 15 sites were selected for test well drilling. In addition, 2 wells in Zina Male and Assa Koma were destroyed by the flood due to heavy rain in August 2010. Therefore, 2 new replacement wells have been drilled.								
p.28	Table 2-2-15	<table border="1"> <thead> <tr> <th>Object Zone</th> <th>Well Depth (m)</th> </tr> </thead> <tbody> <tr> <td>8 - ZINAMALE</td> <td>128</td> </tr> </tbody> </table>	Object Zone	Well Depth (m)	8 - ZINAMALE	128	<table border="1"> <thead> <tr> <th>Object Zone</th> <th>Well Depth (m)</th> </tr> </thead> <tbody> <tr> <td>8 - ZINAMALE</td> <td>150</td> </tr> </tbody> </table>	Object Zone	Well Depth (m)	8 - ZINAMALE	150
Object Zone	Well Depth (m)										
8 - ZINAMALE	128										
Object Zone	Well Depth (m)										
8 - ZINAMALE	150										

List of Errata 2 (Annex-10. Test Well Drilling) Refer to Attached Data

Page	Title	Item	(Error)	(True)
A10-2	Summary	LOCATION	UNDA YAGGOURI	UNDA YAGGOURI (2)
		DATE	(No information)	27 - Aug - 10
		Drilling Depth	150 m	158 m
A10-3	Drilling log	Drilling Depth	150 m	158 m
		Casing Install Depth	(No information)	154 m
A10-5	Drilling log	Casing Install Depth	75 m	66.5 m
A10-12	Drilling log	Drilling Depth	130 m	150 m
		Casing Install Depth	130 m	136.5 m
A10-18	Summary	DATE	(No information)	3 - Aug - 10
		Drilling Depth	150 m	115 m
A10-24	Drilling log	Casing Install Depth	150 m	98 m
A10-31	Drilling log	Casing Install Depth	150 m	127.7 m
A10-38	Drilling log	Casing Install Depth	150 m	102.6 m
A10-45	Drilling log	Casing Install Depth	150 m	145.4 m
A10-65	Summary	Drilling Depth	150 m	112 m
A10-70	Summary	Drilling Depth	150 m	142 m
A10-71	Drilling log	Casing Install Depth	142 m	136.5 m
A10-75	Summary	DATE	(No information)	10 - Oct - 10
		Drilling Depth	150 m	158 m
A10-76	Drilling log	Drilling Depth	142 m	158 m
		Casing Install Depth	142 m	154 m
A10-77	Summary	DATE	(No information)	4 - Aug - 10
		Drilling Depth	150 m	152 m
A10-78	Drilling log	Drilling Depth	150 m	152 m
		Casing Install Depth	150 m	146.5 m
A10-82	Summary	DATE	(No information)	3 - Oct - 10
		Drilling Depth	150 m	151 m
A10-83	Drilling log	Casing Install Depth	150 m	145.5 m

* To maintain detailed information, drilling logs of wells that were destroyed by the flood (A10-11' and A10-30') and all drilling logs that mention the depth of the casing (in addition to the above, A10-19, A10-52, A10-60 and A10-66) are attached.

THE PREPARATORY SURVEY
ON
THE RURAL WATER SUPPLY PROJECT
IN
SOUTHERN DJIBOUTI

PREPARATORY SURVEY REPORT

ATTACHED DATA OF LIST OF ERRATA

Appendices

• Unda Yaggouri(2)----	Summary/Drilling Log	(A10-2, A10-3)
• Sabbalou-----	Drilling Log	(A10-5)
• Zina Male-----	Drilling Log (with damaged well by flood)	(A 10-11', A10-12)
• Daguero(2)-----	Summary/Drilling Log	(A10-18, A10-19)
• Sek Sabir-----	Drilling Log	(A10-24)
• Assa Koma-----	Drilling Log (with damaged well by flood)	(A10-30', A10-31)
• Mindil-----	Drilling Log	(A10-38)
• Afka Arraba-----	Drilling Log	(A10-45)
• Hambocta-----	Drilling Log	(A10-52)
• Guelile-----	Drilling Log	(A10-60)
• Midgarra-----	Summary/Drilling Log	(A10-65, A10-66)
• Ouarabalei-----	Summary/Drilling Log	(A10-70, A10-71)
• Hilbahey-----	Summary/Drilling Log	(A10-75, A10-76)
• Petit Bara-----	Summary/Drilling Log	(A10-77, A10-78)
• PK30-----	Summary/Drilling Log	(A10-82, A10-83)

SUMMARY OF WELL CONDITION

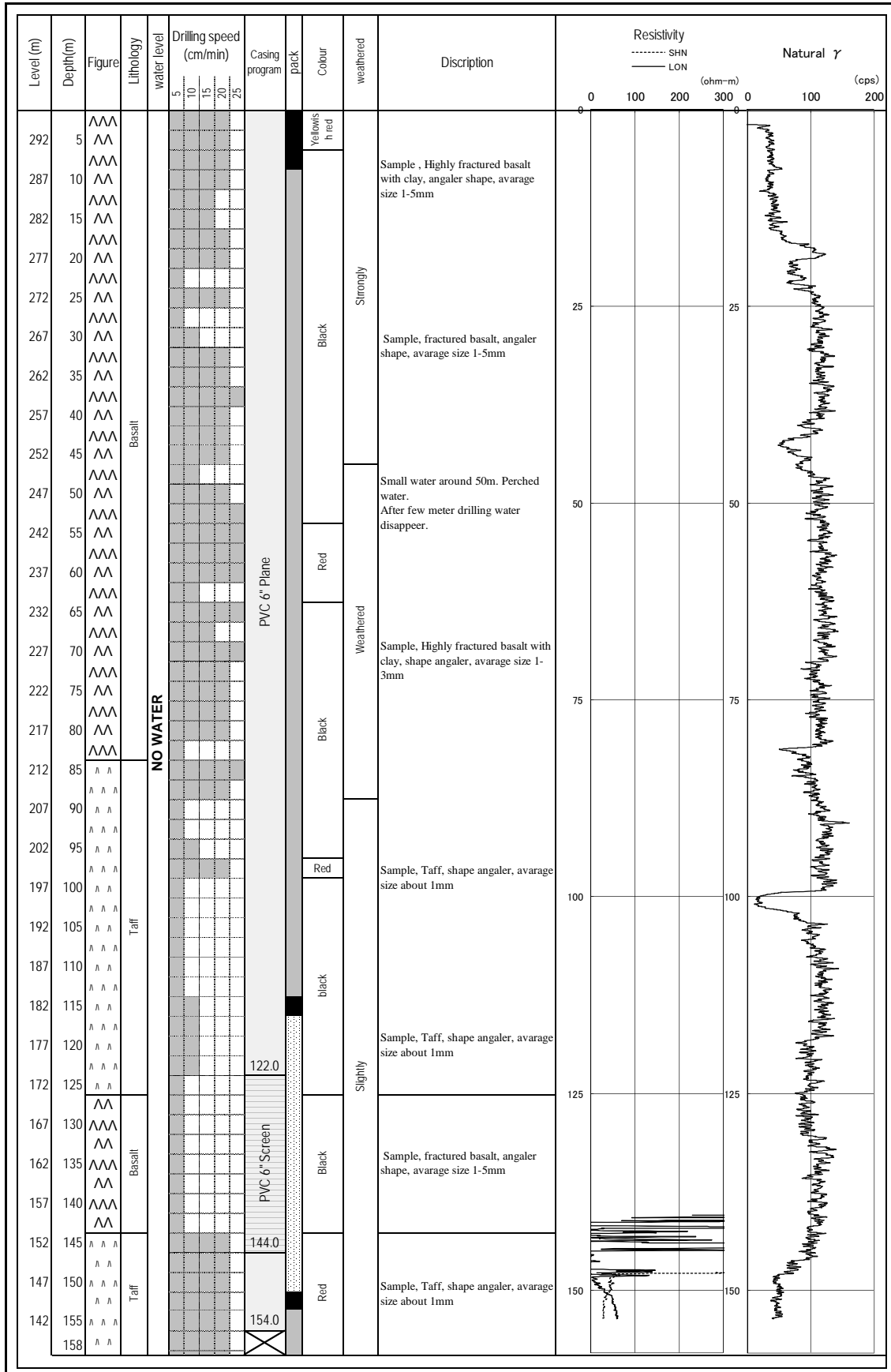
LOCATION: UNDA YAGGOURI (2)

DATE: 27-Aug-10

0	GEO MARK	LITHOLOGY	WATER LEVEL	SUMMARY OF WATER PUMP TEST
	^^^	0-144m		
	^^			<u>5 STEP TEST</u> NO WATER
	^^^	Basalt terrace		
	^^			
	^^^	Block lava		
	^^			
	^^^			
	^^			
	^^^	Hard and tight crack is rare up to 50m	NO WATER	<u>24 HOURS CONTINUOUS UP LIFT</u> NO WATER
	^^			
	^^^	Slightly weathered		
	^^			
50	^^^	Low permeability		
	^^			
	^^^			
	^^			
	^^^			<u>RECOVERY TEST</u> NO WATER
	^^			
	^^^			
	^^			
	^^^			
	^^			
100	^^^			<u>WATER QUALITY</u> NO WATER
	^^			
	^^^			
	^^			
	^^^			
	^^			
	^^^			
	^^			
	^^^			
	^^			
	^^^			
	^^			
	^^^			
	^^			
150	X X X	144-158m		
	X X X	tuff compact		
	X X X			
158	X X X			

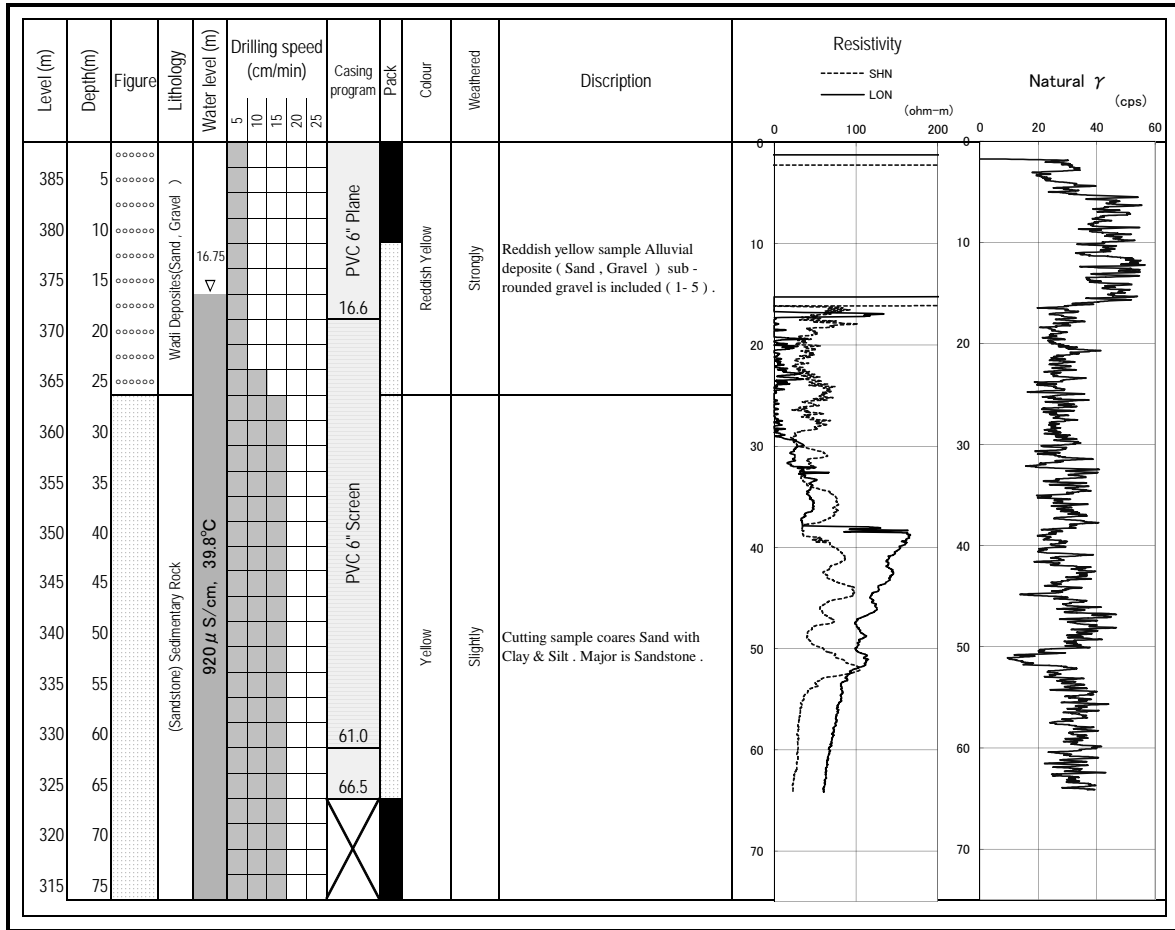
Drilling BH JW-1
 Coordinates: 11.58050N, 42.06158E

Date: 2010/8/11-20
 Village Name: UNDA YAGGOURI (2)
 Altitude: 297m



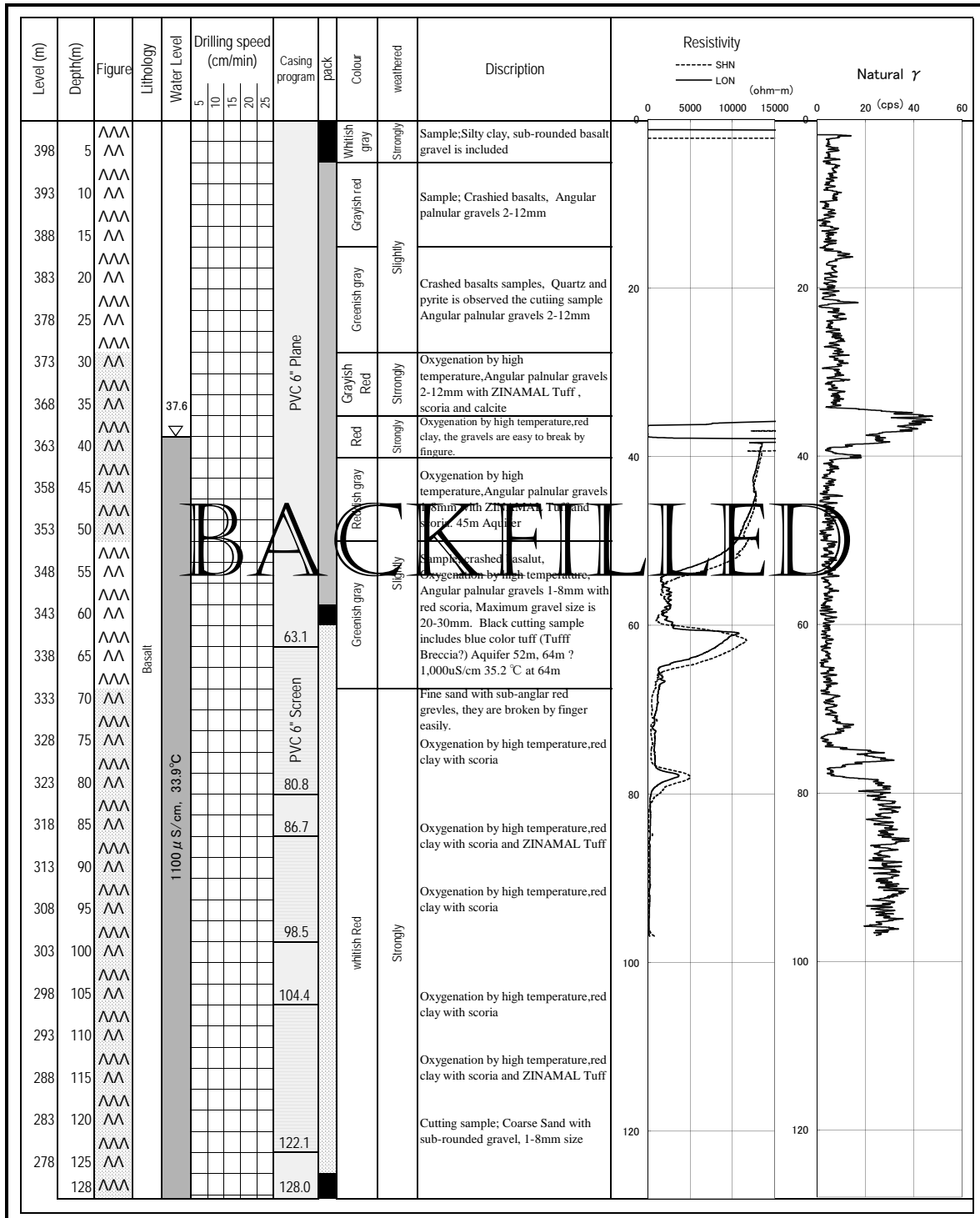
Drilling BH JW-2
 Coordinates: 11.00350N, 42.20763N

Date: 2010/10/30-31
 Village name: SABBALOU
 Altitude: 390 m



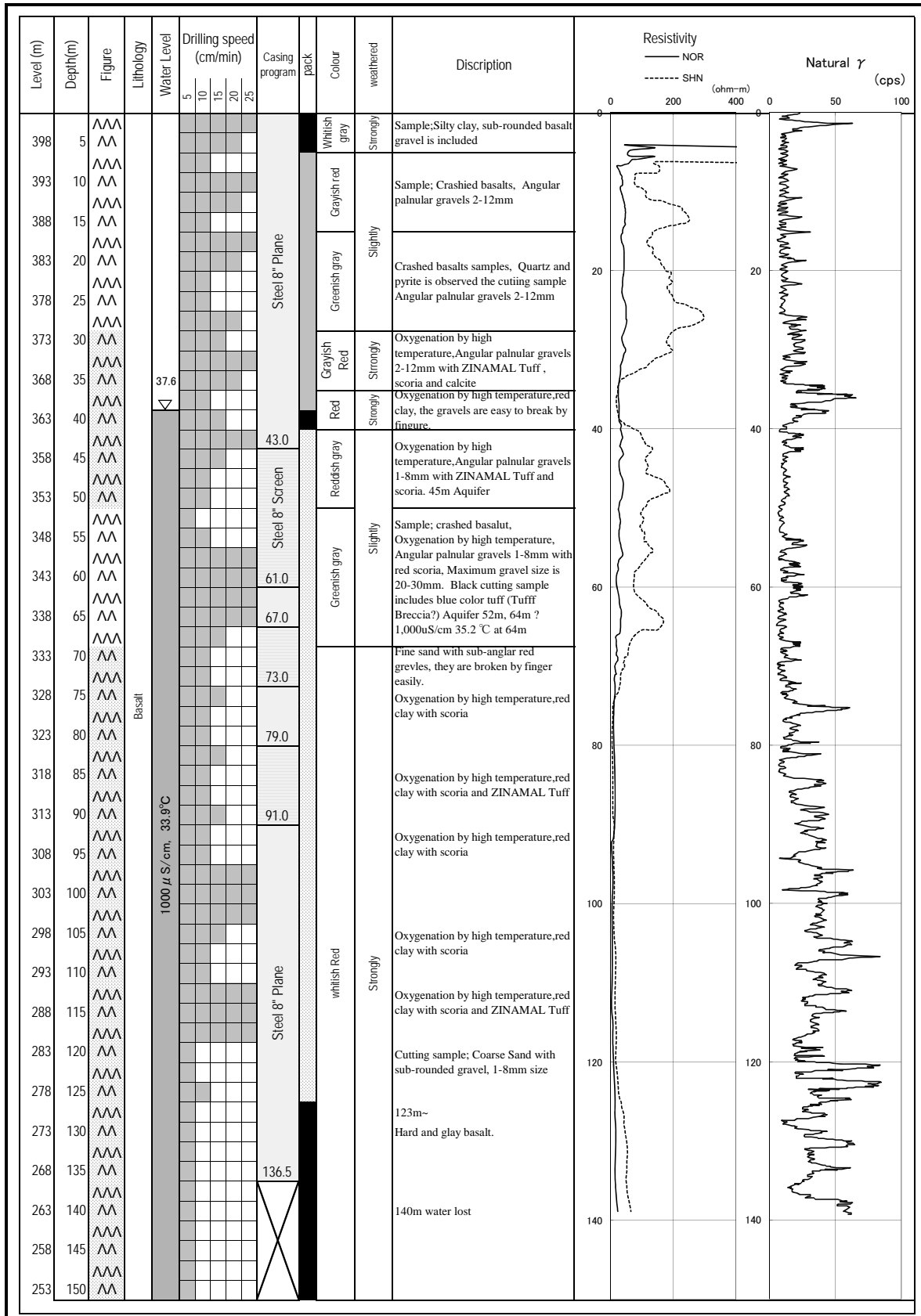
Drilling BH JW-3
 Coordinates : 11.10118N, 42.18067E

Date: 2010/8/20-27
 Village Name: ZINAMALE (Damaged by flood)
 Altitude: 403 m



Drilling BH JW-3
 Coordinates : 11.10127N, 42.18056E

Date: 2010/9/17-27
 Village Name: ZINAMALE
 Altitude: 403 m



SUMARRAY OF WELL CONDITION

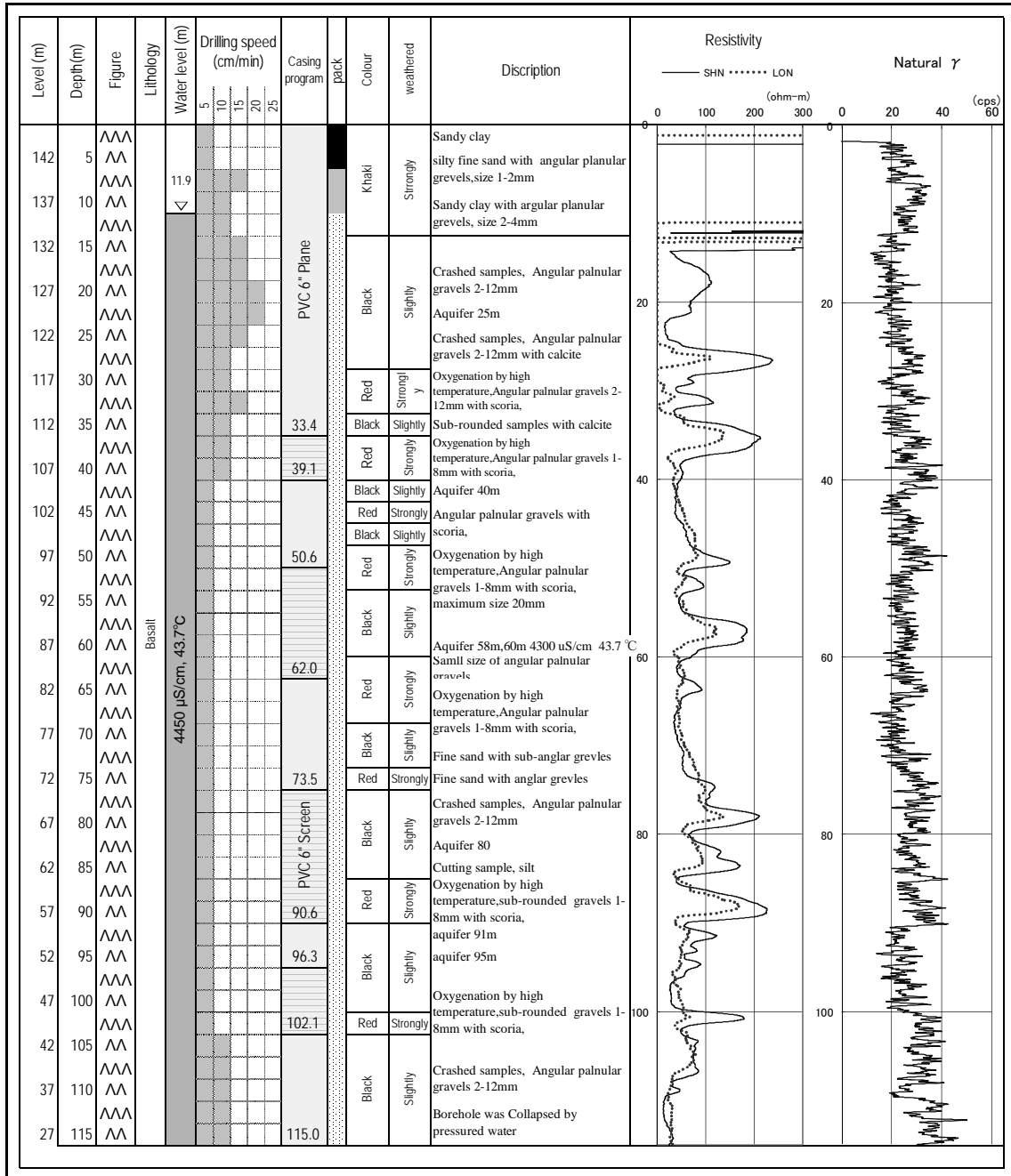
LOCATION: DAGUIRO (2)

DATE: 3-Aug-10

	GEO MARK	LITHOLOGY	WATER LEVEL	SUMMARY OF WATER PUMP TEST
0	^^^	0--11		<p><u>5 STEP TEST</u> Not done</p> <p><u>24 HOURS CONTINUOUS UP LIFT</u> UPLIFT Q= 4.4 L/S TOTAL Q= 380.2 M³/ 24 HOURS DRAW DOWN=9.2M TRANSIMMISIVITY=14.5M²/DAY</p> <p><u>RECOVERY TEST</u> RECOVERY TIME= 110 MIN TRANSIMMISIVITY=12.6M²/DAY</p> <p><u>WATER QUALITY</u> EC=4,450 μ S/cm PH=7.3 TEMPERATURE= 43.7°C</p>
	^^	Sand Gravel		
	^^^		S.W.L= 11.9	
	^^	11--115		
	^^	Basalt Lava		
	^^^		DWWL= 21.1	
	^^	Cracked and fractured		
	^^^	into angular fragments		
	^^	Weathered with clay		
	^^	seam in some places		
	^^^			
	^^	High permeability		
50	^^^	45m Aquifer		
	^^			
	^^^			
	^^	60m Aquifer		
	^^^			
	^^			
	^^^			
	^^			
	^^^			
	^^	95m Aquifer		
	^^^			
100	^^	100m-115m		
	^^^	Fresh rock		
	^^	Crack developed		
	^^^			
	^^			
115	^^			

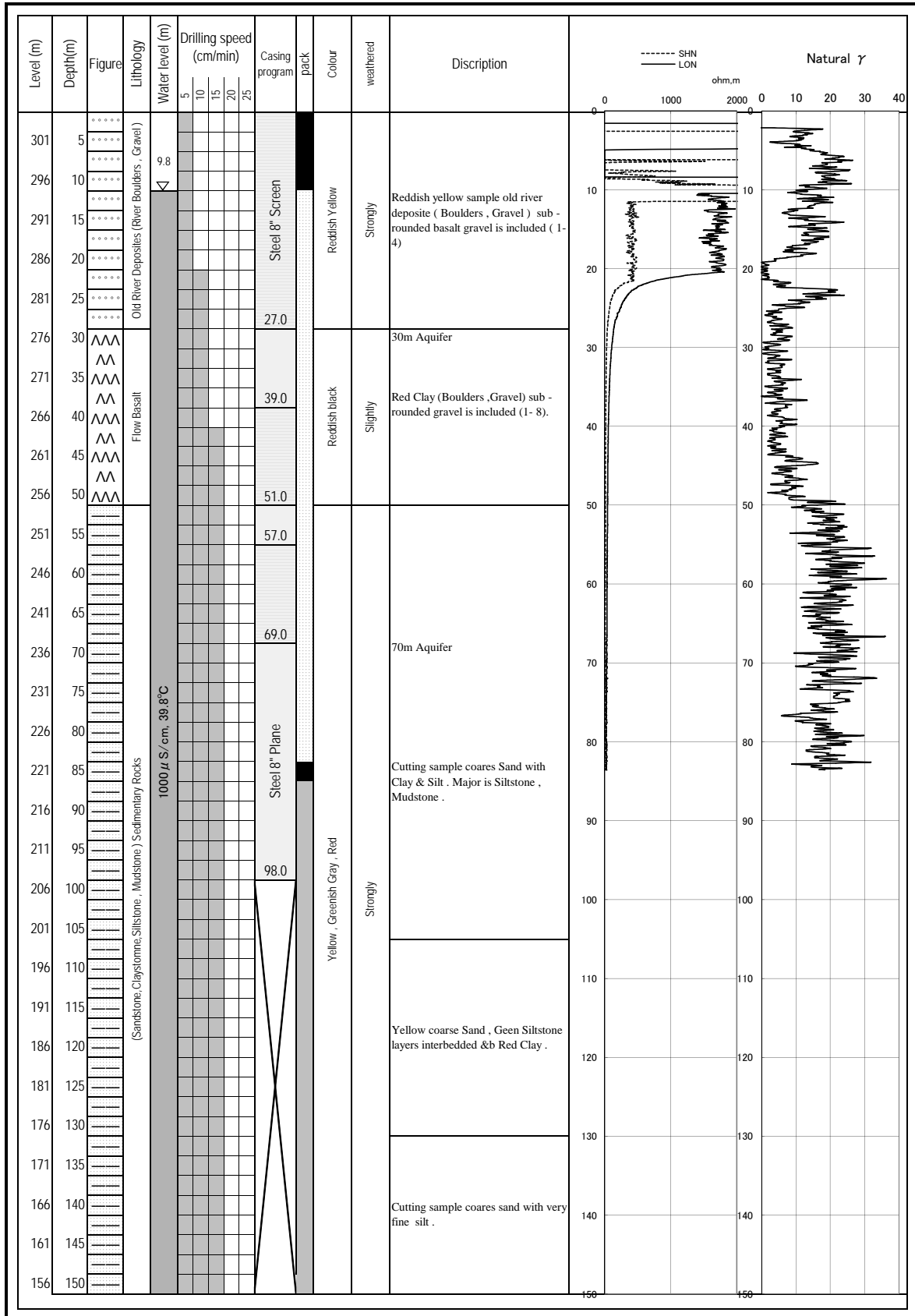
Drilling BH JW-4
 Coordinates: 11.59117N, 41.96897E

Date: 2010/7/29-8/3
 Village name: DAGUIRO (2)
 Altitude: 147m



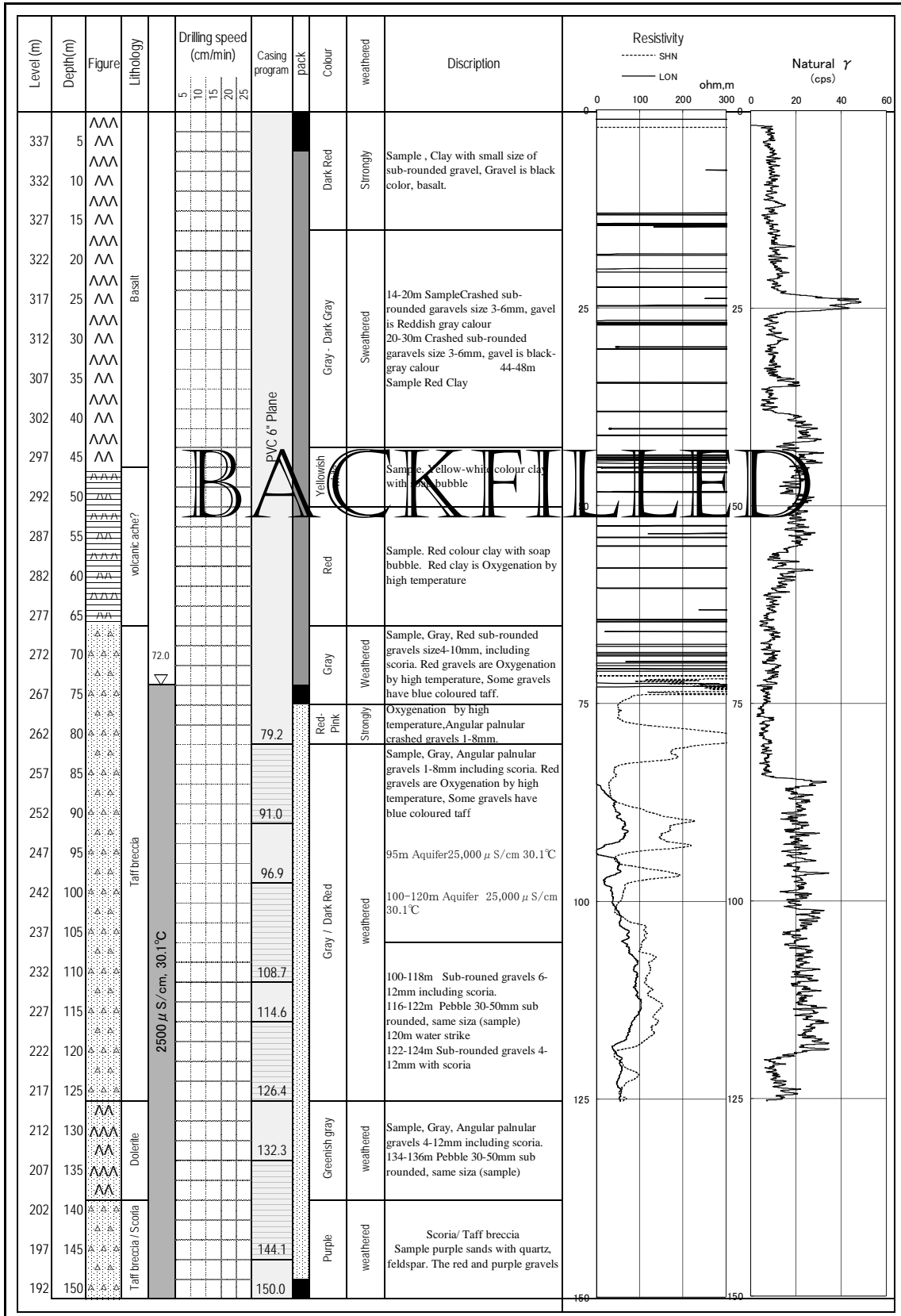
Drilling BH JW-5
 Coordinates: 11.26918N, 42.22931E

Date: 2010/10/16~18
 Village name: SEK SABIR
 Altitude: 306 m



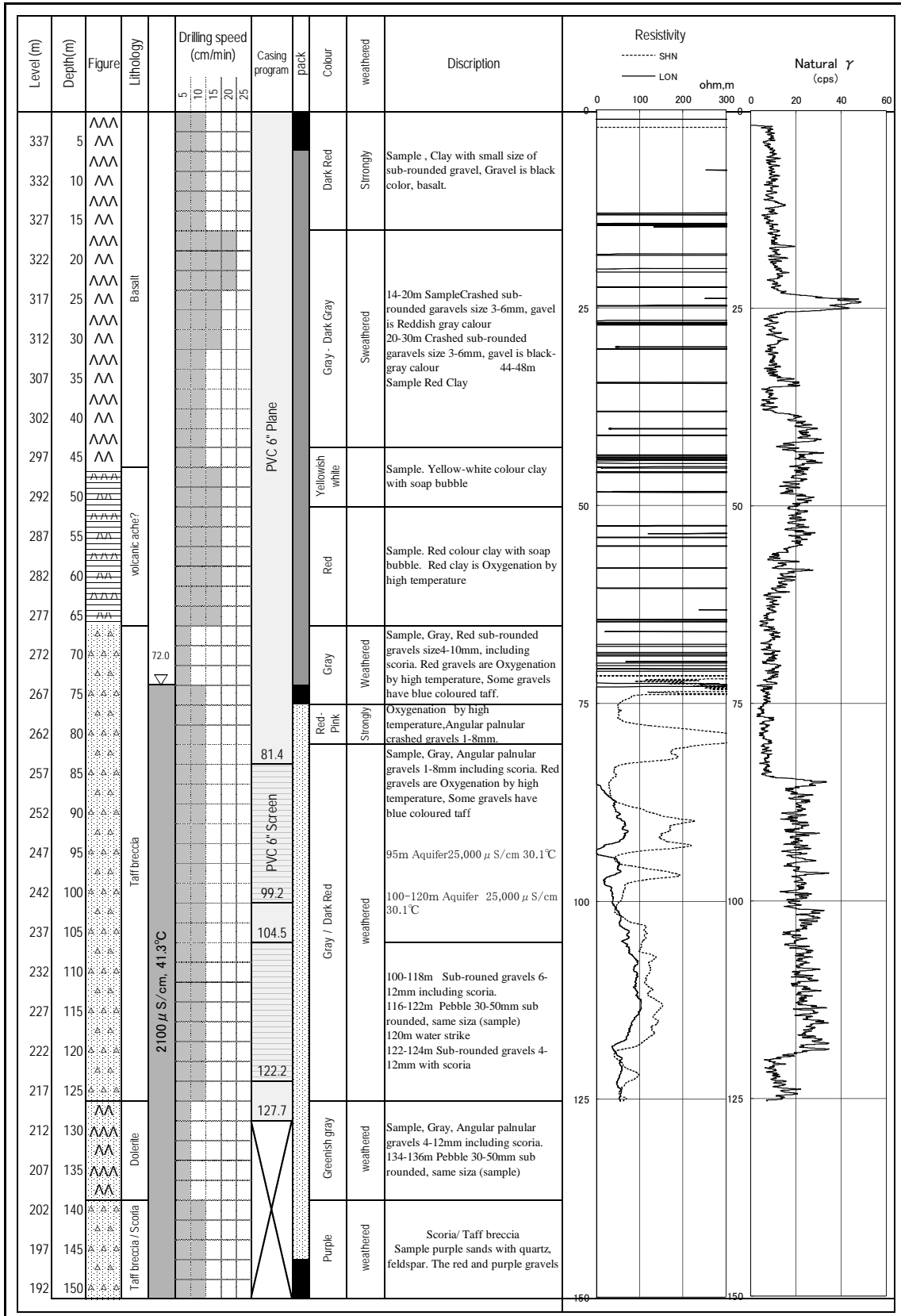
Drilling BH JW-6
 Coordinates: 11.06170N, 42.07055E

Date: 2010/8/5~9
 Village Name: ASSA KOMA (Damaged by flood)
 Altitude: 342 m



Drilling BH JW-6
 Coordinates: 11.06161N, 42.07052E

Date: 2010/11/3~4
 Village Name: ASSA KOMA
 Altitude: 342 m



Drilling BH JW-7
 Coordinates: 11.2066N, 42.43183E

Date: 2010/10/27~29
 Village name: MINDIL
 Altitude: 521m

