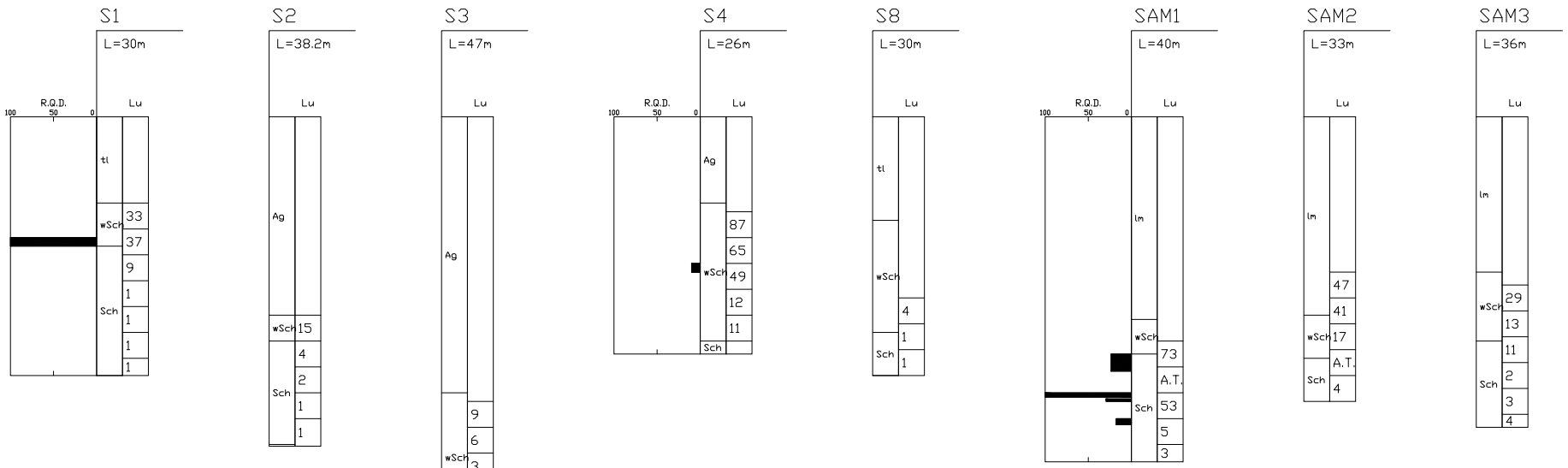
Feasibility Study on Water Resources Development in the Rural Area in
Kingdom of Morocco
Final Report
Volume III Supporting Report (1)
Basic Study
Supporting Report I
Geology

Existing Drilling Data

1 Neckor



All	Alluvions
Ag	Alluvions Gravel
tv	Terre Vegetale
lm	Limon rouge riche en debris schisteux et galets greseus
tl	Eboulis
wSch	Schiste Altere
Sch	Schiste Sain

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Figure I2.2.1
Existing Drilling Column carried out at Neckor Dam Site

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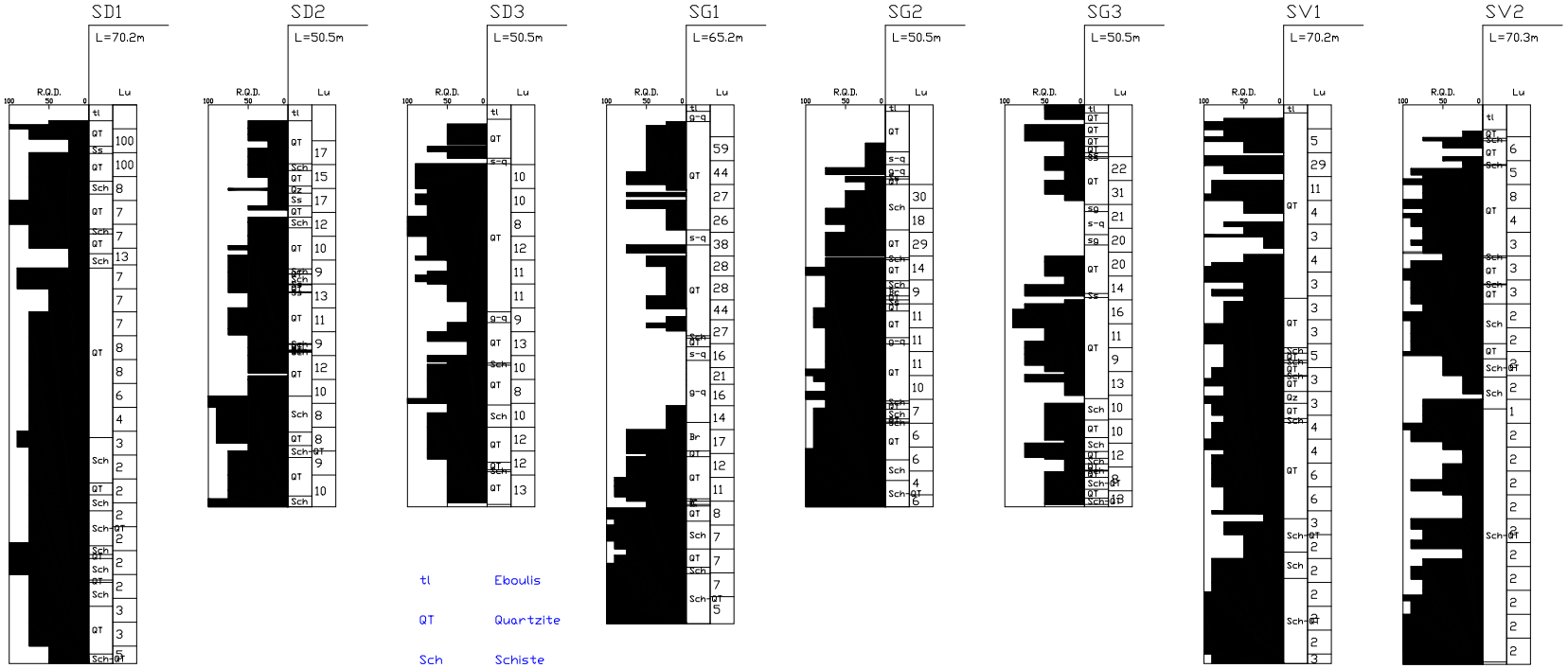
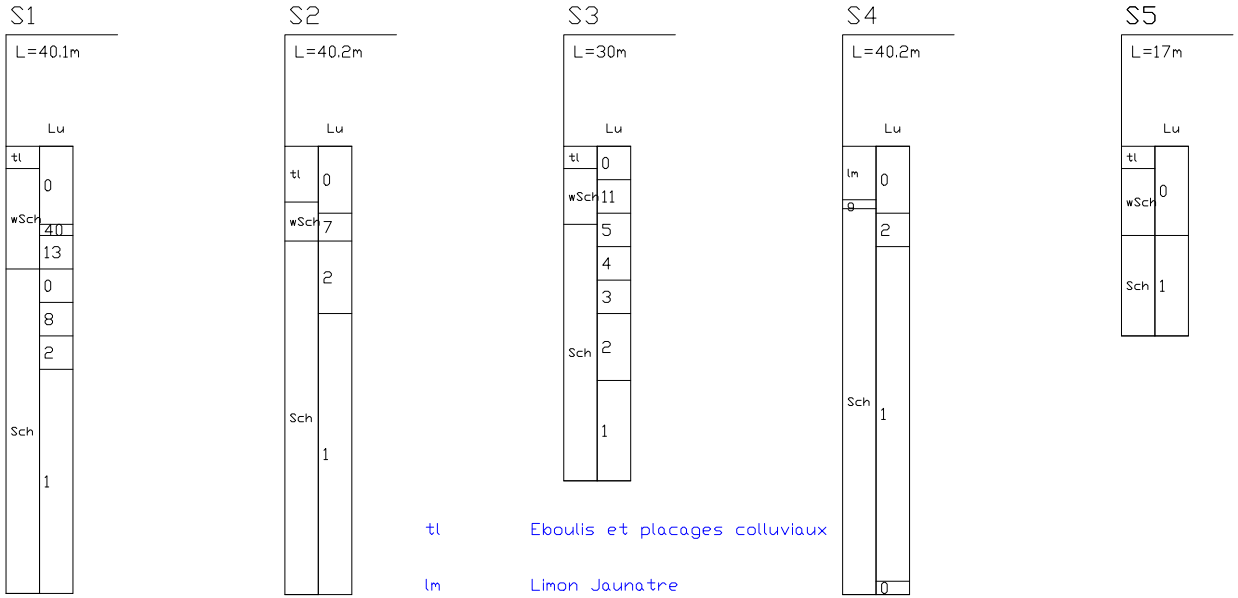
Figure I2.2.2
Existing Drilling Column carried out at Tizimellal Dam Site

2 Tizi Mellal



tl	Eboulis
QT	Quartzite
Sch	Schiste
Sch-QT	Alt.Beds of Sch and QT
Br	Breche
Ss	Gres beige ou brun
g-q	Gravier quarzitique
Qz	Quartz
s-q	Sable quarzitique
sg	Sable et gravier quartzitique

4 Ain Kwachiya



tl	Eboulis et placages colluviaux
lm	Limon Jaunatre
g	Alluvions Grossieres(Schistes & Quartzite)
wSch	Weathered Schist
Sch	Fresh Schist

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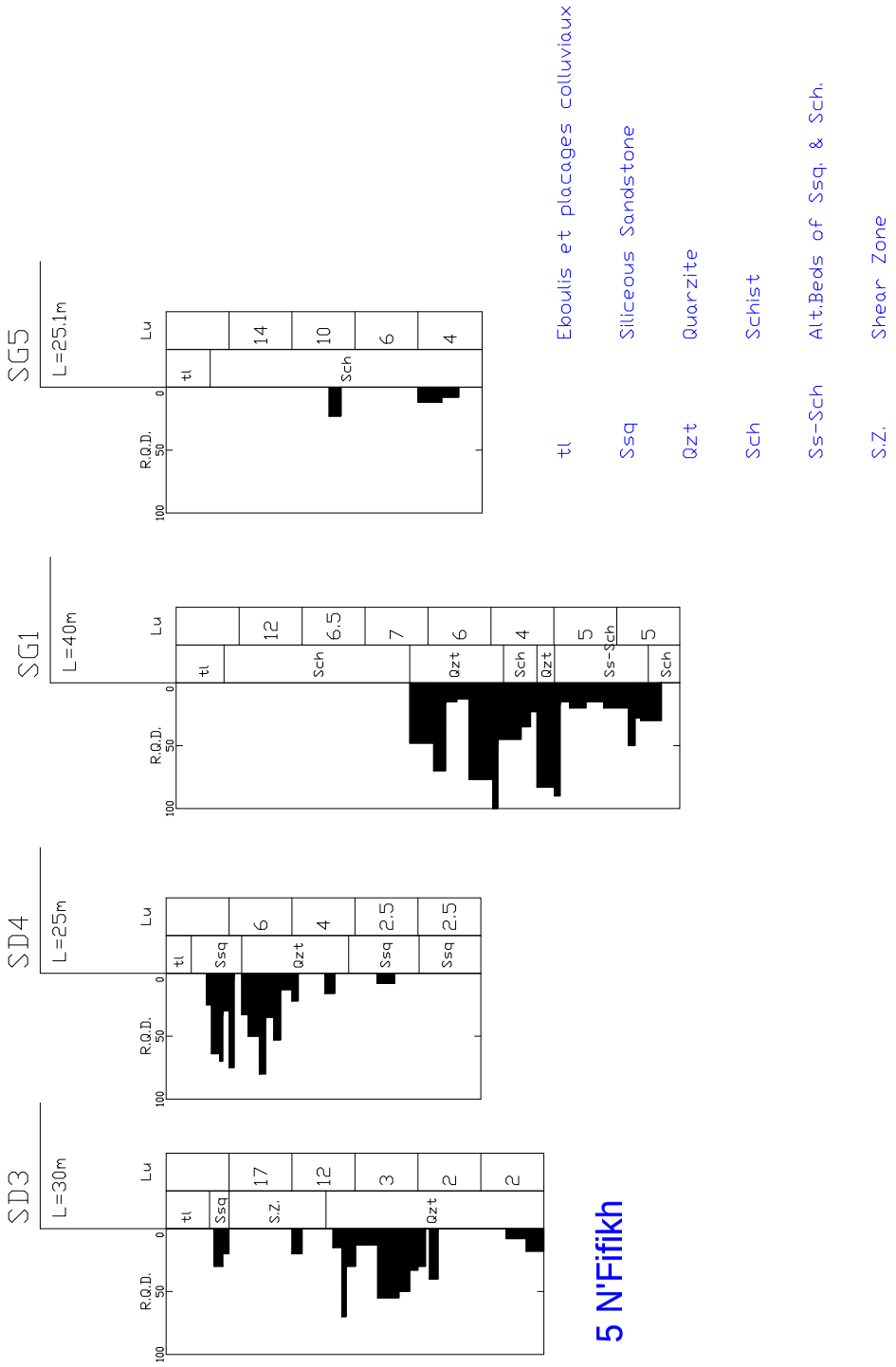
Figure I2.2.3
Existing Drilling Column carried out at Ain Kwachiya Dam Site



FEASIBILITY STUDY ON WATER RESOURCES DEVELOPMENT IN RURAL AREA	**Figure I2.2.4** **Existing Drilling Column carried out at N'Fifikh (Downstream) Dam Site**
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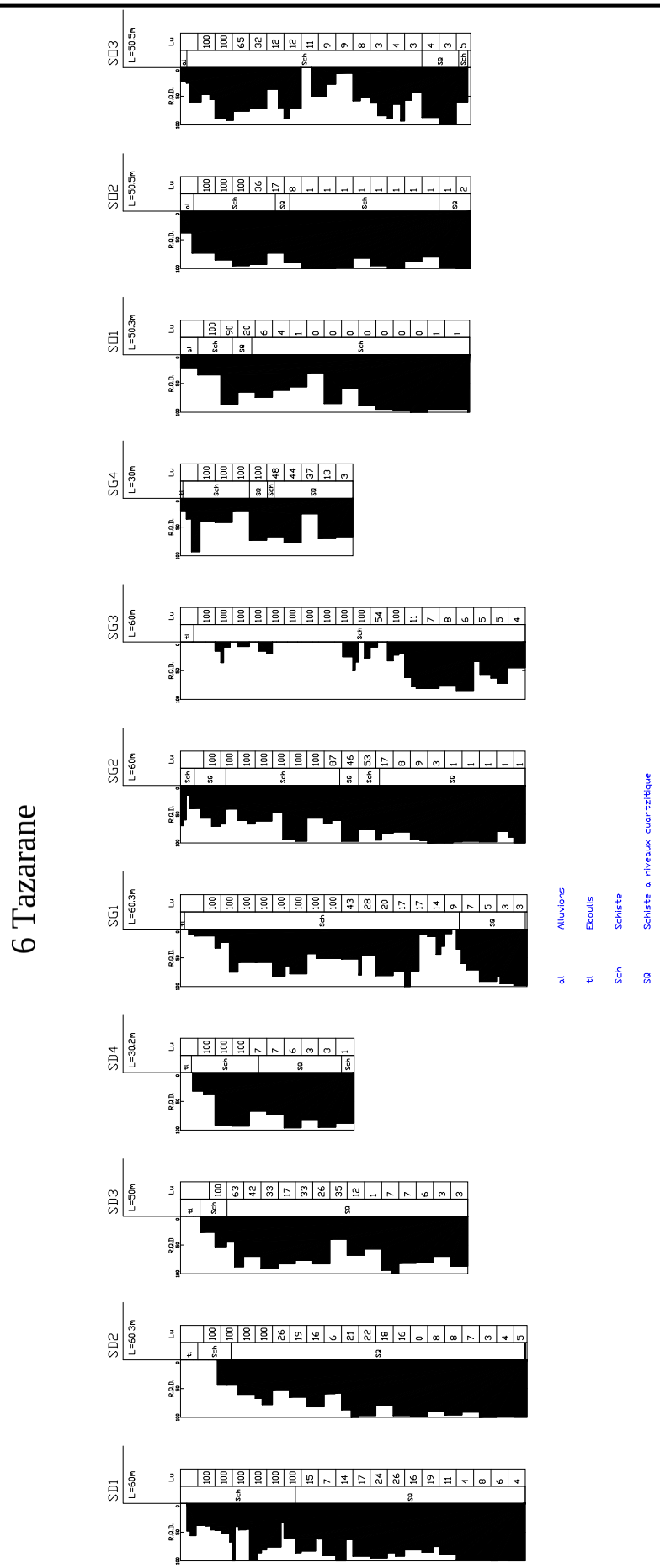

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Figure I2.2.5
Existing Drilling Column carried out at Tazarane Dam Site

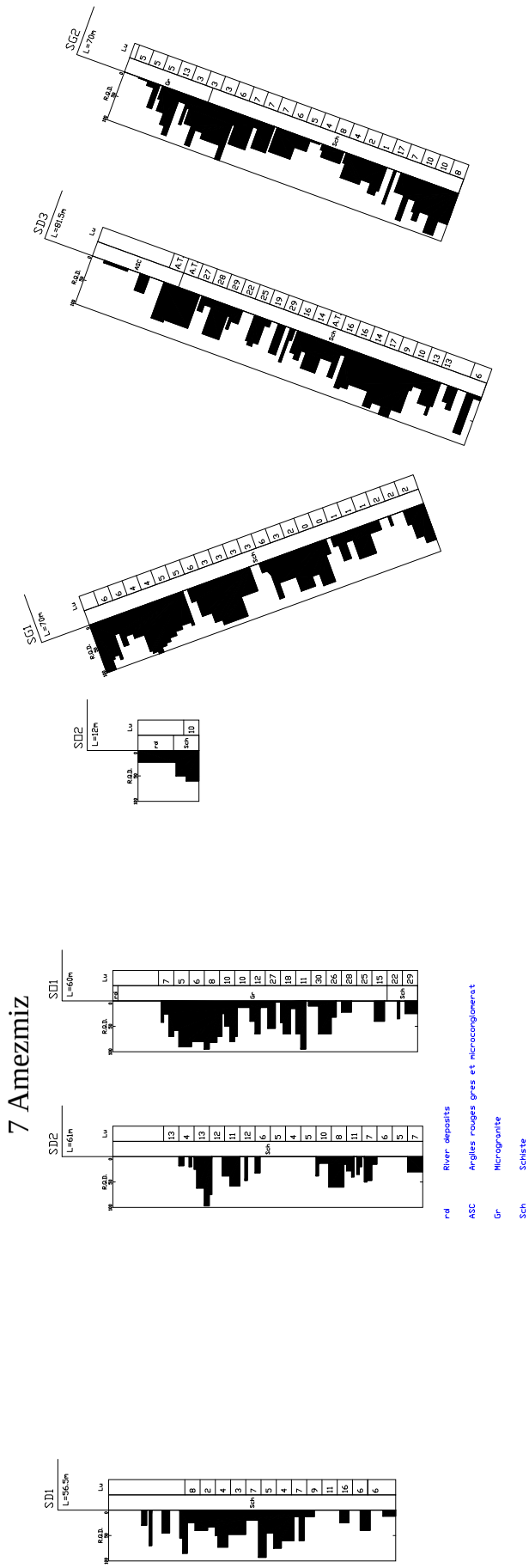

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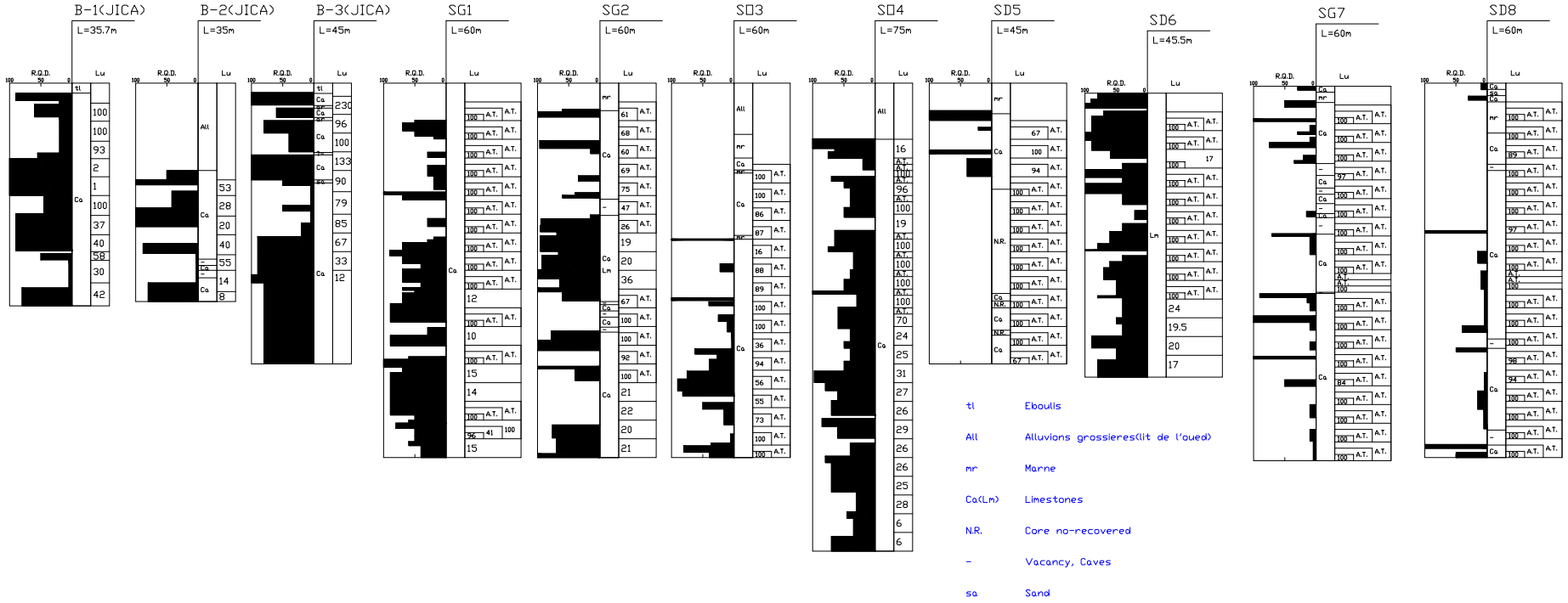
Figure I2.2.6
Existing Drilling Column carried out at Amezmiz Dam Site

10 Timkit



tl	Eboulis
All	Alluvions grossieres(lit de l'oued)
mr	Marne
Ca(Lm)	Limestones
N.R.	Core no-recovered
-	Vacancy, Caves
sa	Sand

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Figure I2.2.7
Existing Drilling Column carried out at Timkit Dam Site

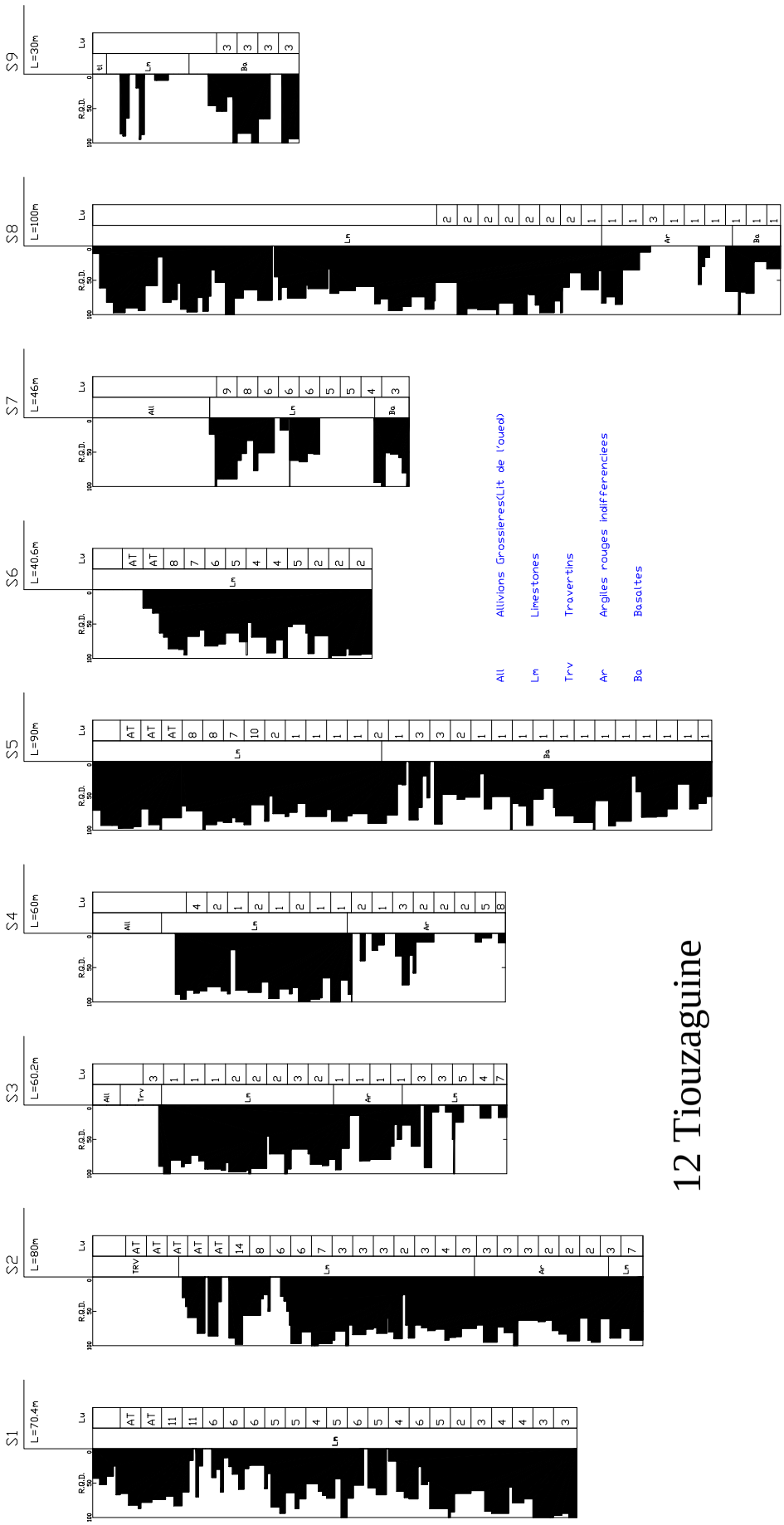

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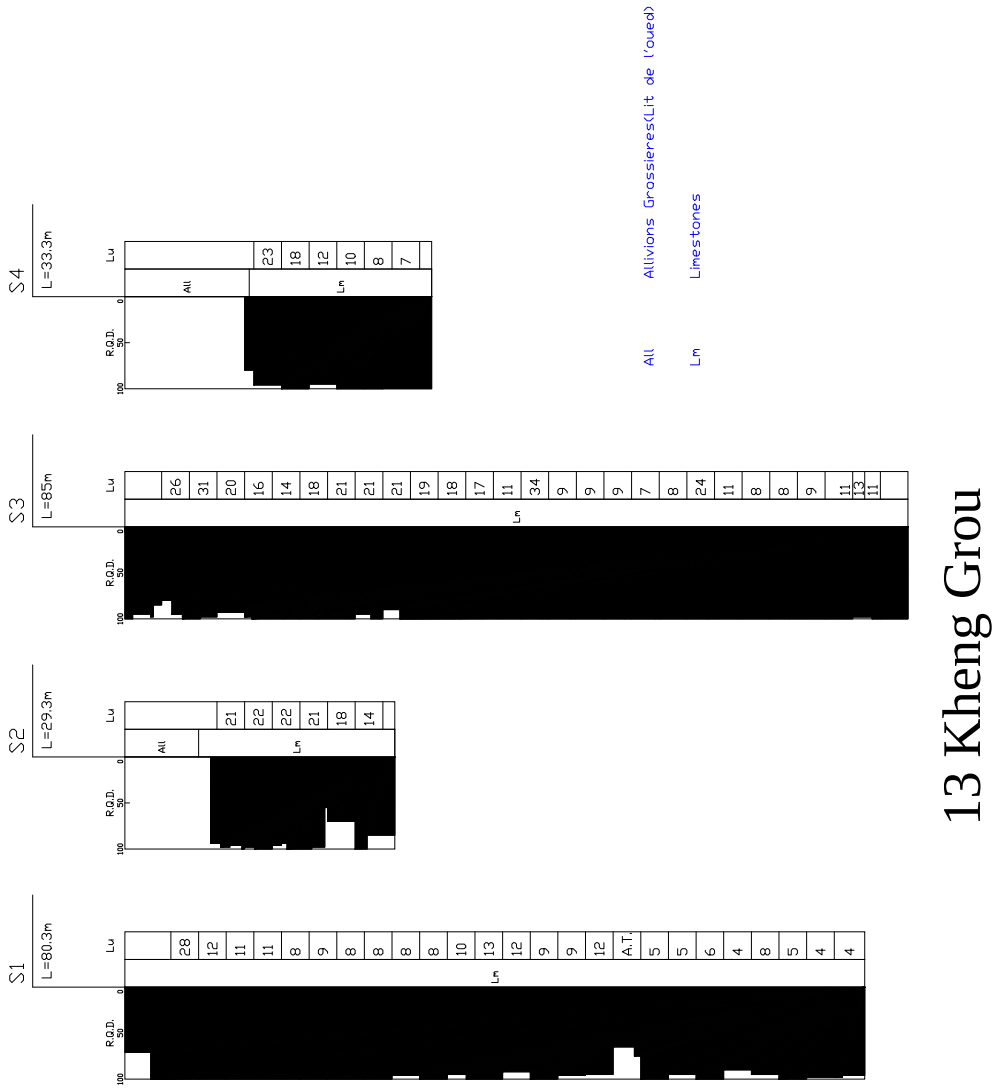
Figure I2.2.8
Existing Drilling Column carried out at Tiouzaguine Dam Site



FEASIBILITY STUDY ON WATER RESOURCES DEVELOPMENT IN RURAL AREA	**Figure I2.2.9** **Existing Drilling Column carried out at Kheng Grou Dam Site**
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FEASIBILITY STUDY ON WATER RESOURCES DEVELOPMENT IN RURAL AREA	**Figure I2.2.10** **Existing Drilling Column carried out at Adarouch Dam Site**
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18 Boukarkour

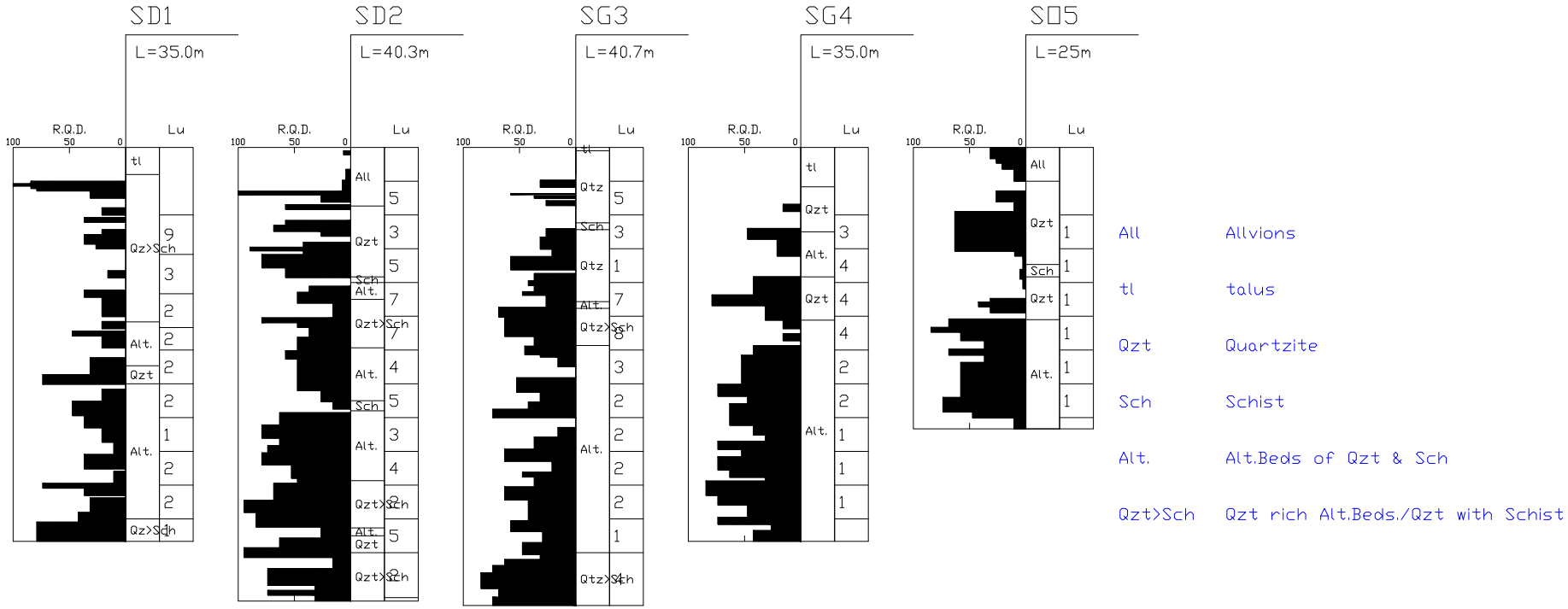

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Figure I2.2.11
Existing Drilling Column carried out at Boukarkour Dam Site

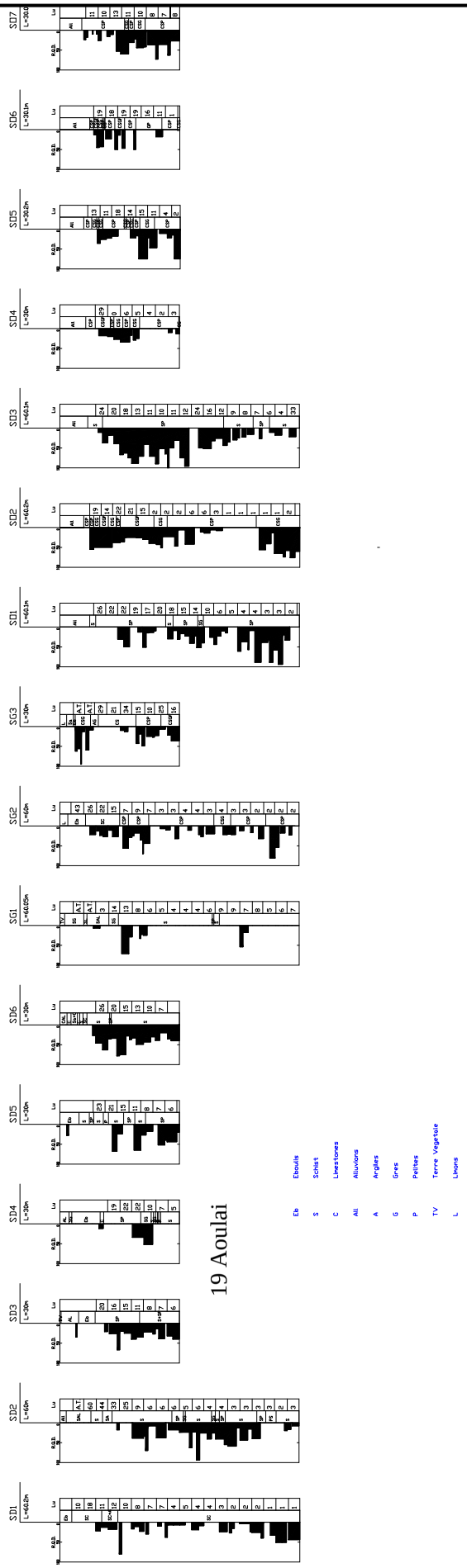

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Figure I2.2.12
Existing Drilling Column carried out at Aoulai Dam Site

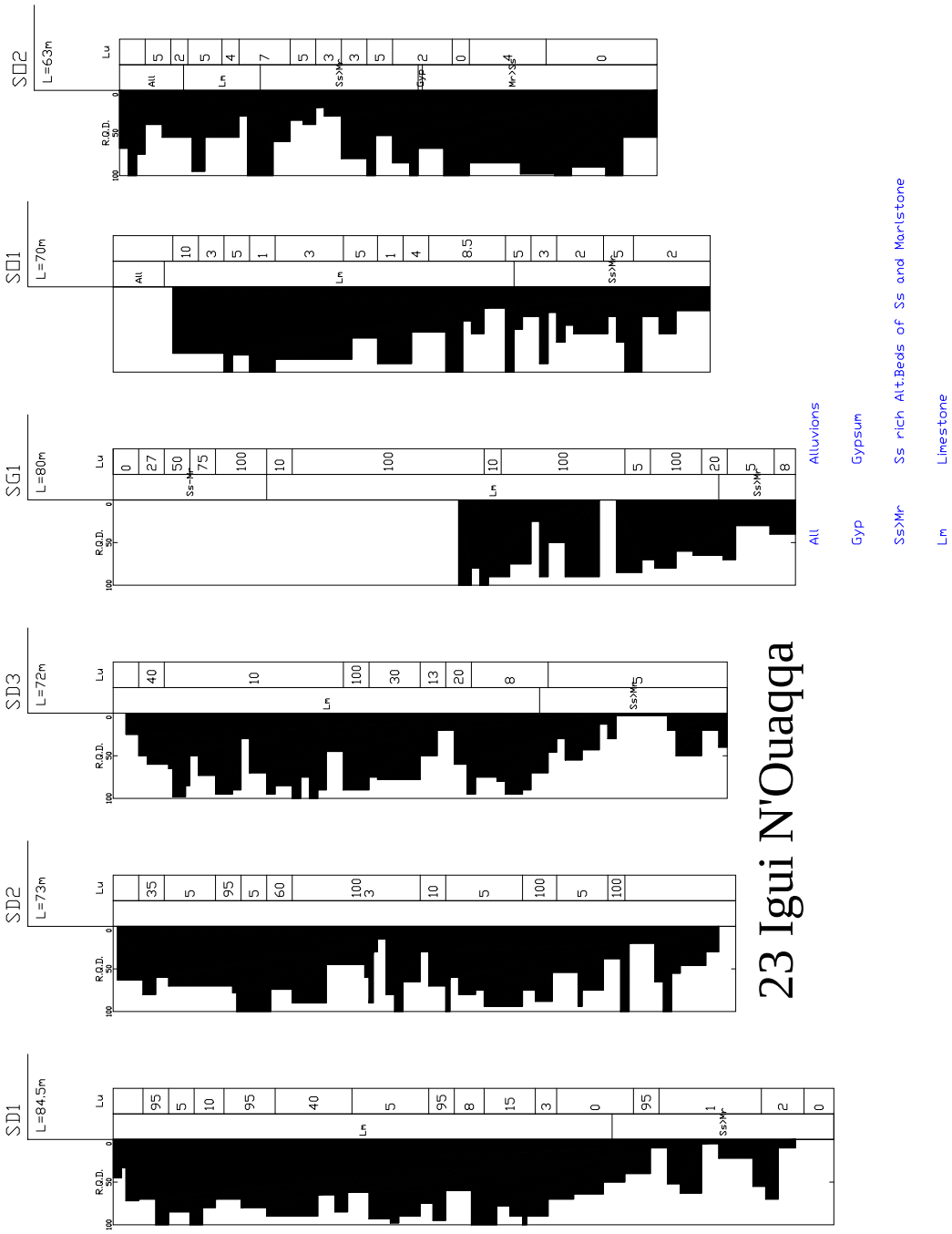

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Figure I2.2.13
Existing Drilling Column carried out at Igui N'Ouaqqa Dam Site

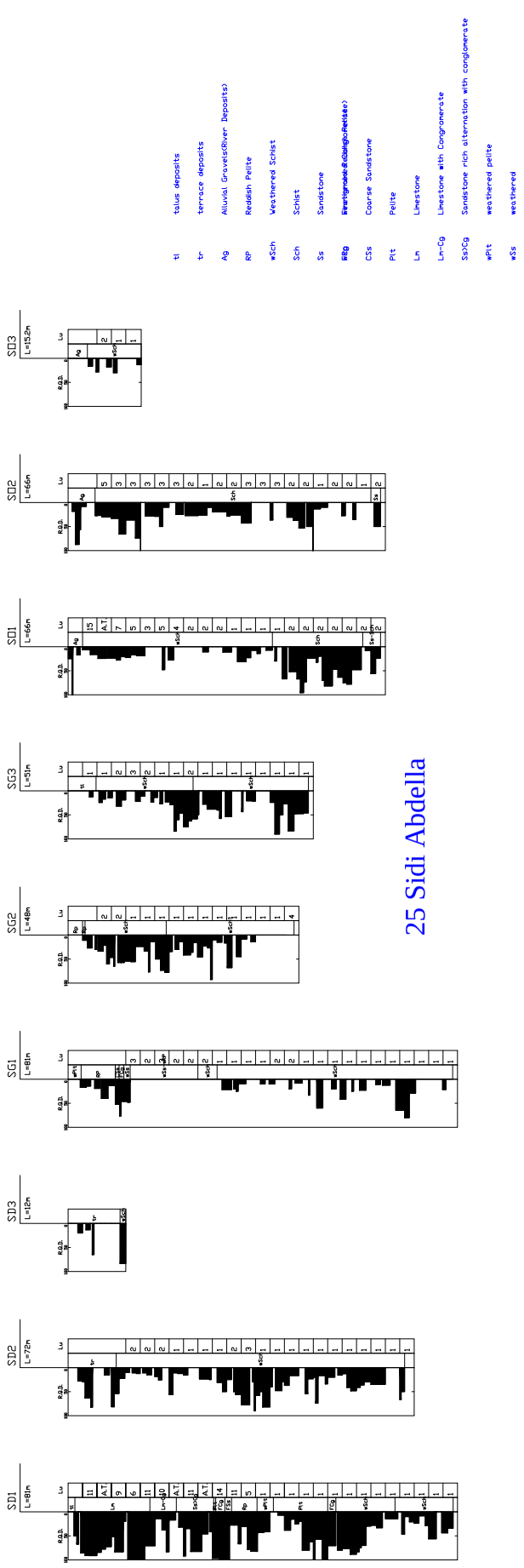

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Figure I2.2.14
Existing Drilling Column carried out at Sidi Abdella Dam Site

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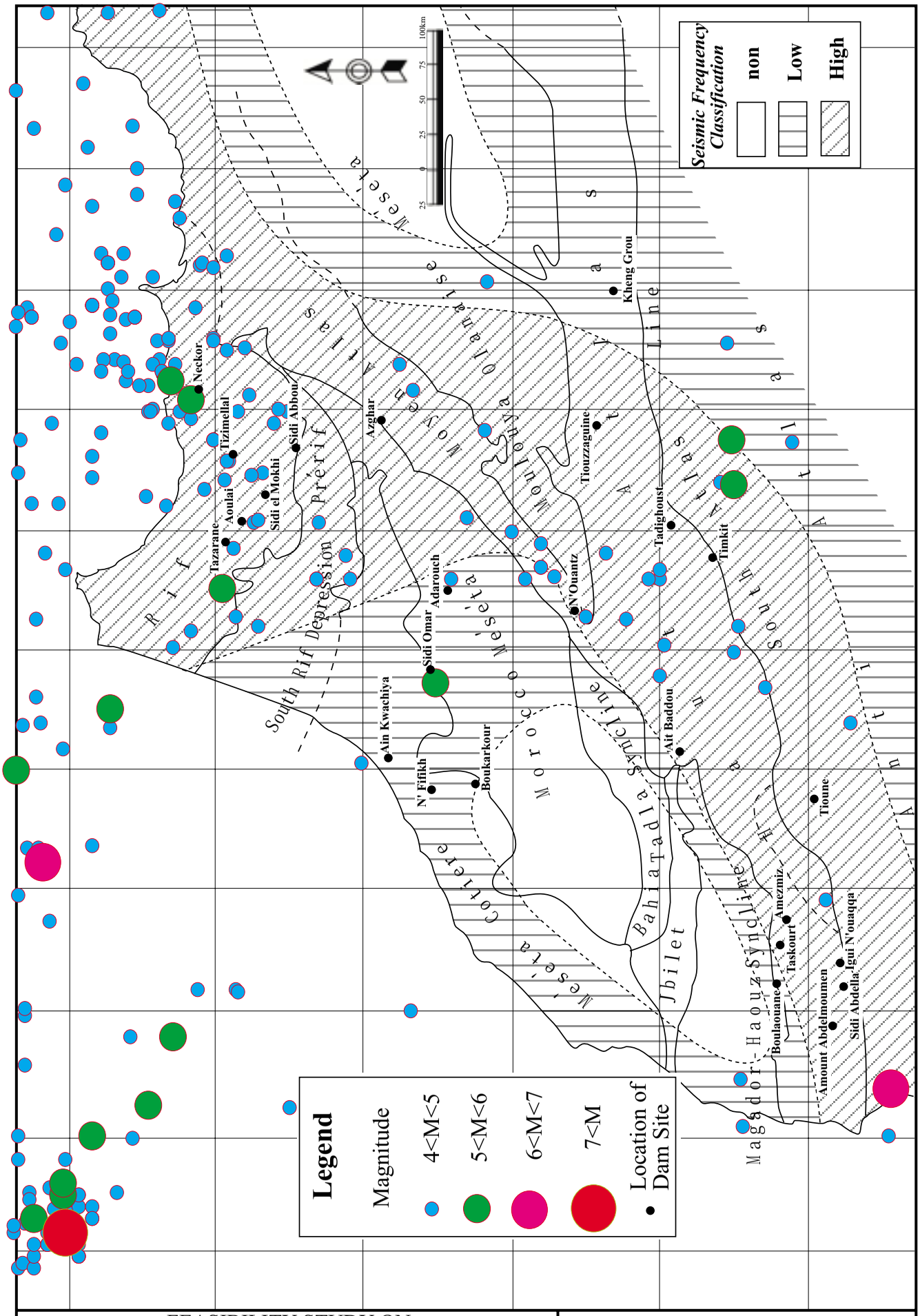
Seismic Event Map


Legend
Magnitude
4<M<5
5<M<6
6<M<7
7<M
Location of Dam Site
Seismic Frequency Classification
non
Low
High
100km
Rif
Tazarane
Aoulai
Tizimellal
Sidi el Mokhi
Sidi Abbou
Neckor
Azghar
Tiouzzaguine
Kheng Grou
Tadighoust
Timkit
N'Ouantz
Sidi Omar
Adarouch
Ain Kwachiya
N' Fifikh
Boukarkour
Ait Baddou
Tioune
Boulaouane
Taskourt
Amezmiz
Amount Abdelmoumen
Sidi Abdella
Igui N'ouaqqa
South Rif Depression
Prerif
Meseta
Moulouya
Meseta
Coastal
Meseta
Bahia
Tadla
Syncline
Jbilet
Haouz
Syncline
Magador
Atlas
Atlas
Atlas