

**Annex 5 : Time Series Variation Diagram
of
Bed Level**

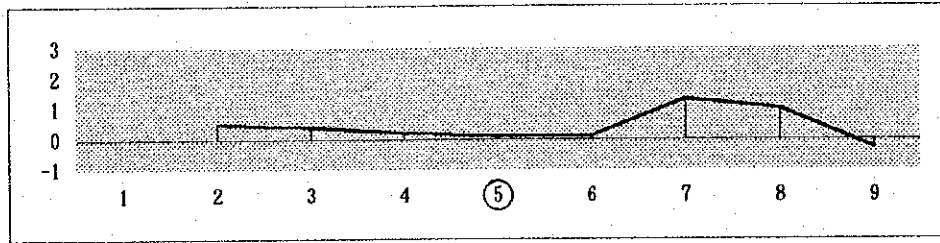
(Teresina Site)

Telesina

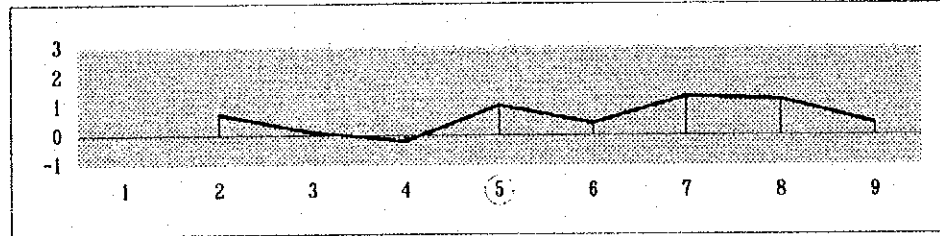
TL-1

+ deposit
- scour

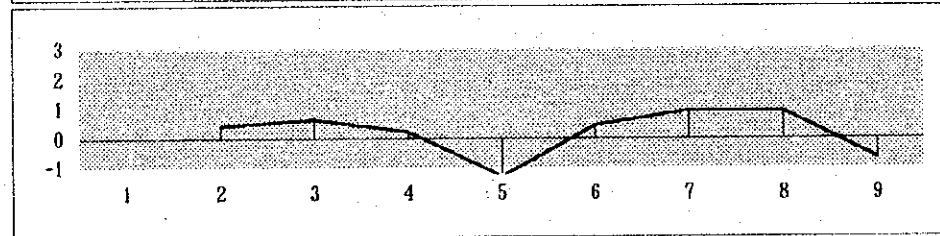
3/2/94



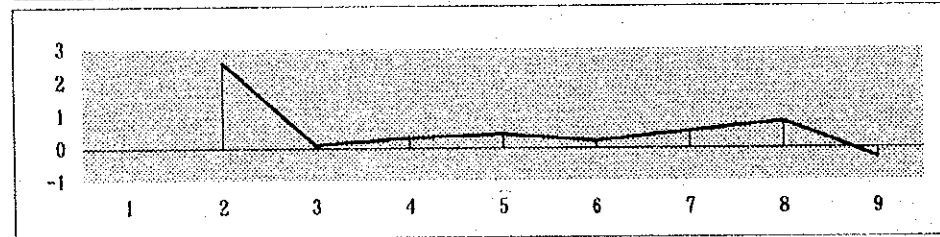
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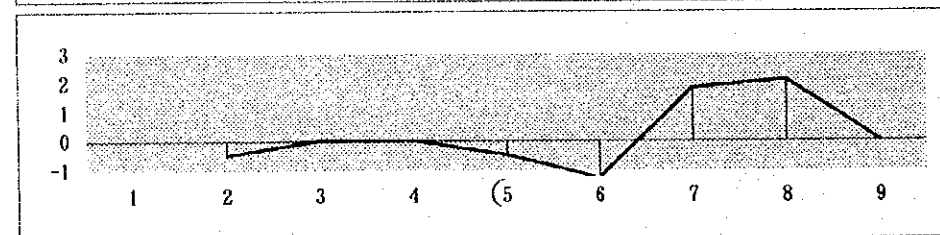
16/3/94



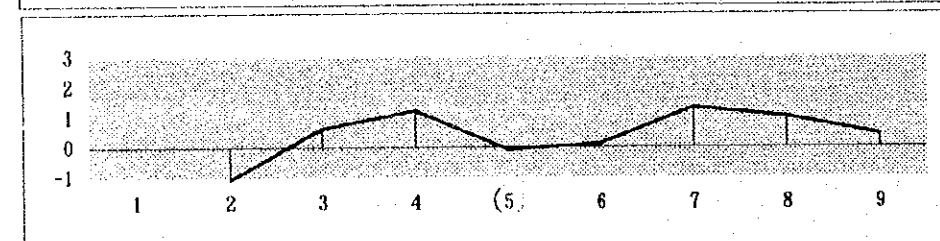
28/3/94



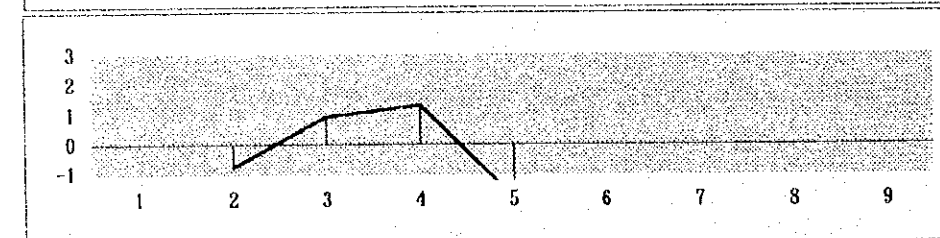
30/4/94



20/5/94



27/6/94

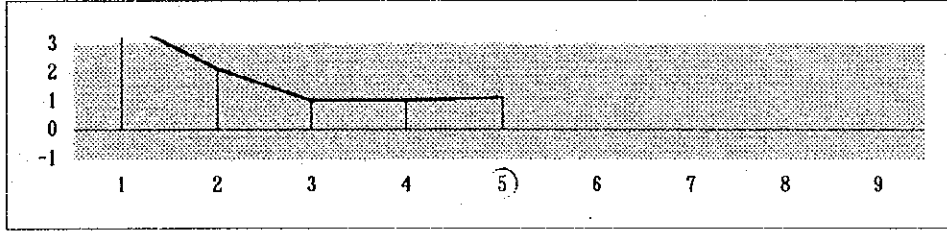


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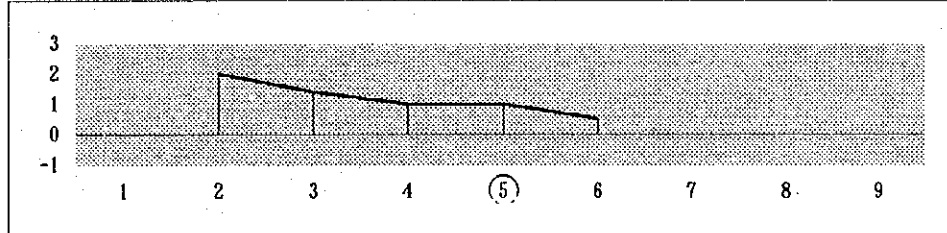
TL-2

+ deposit
- scour

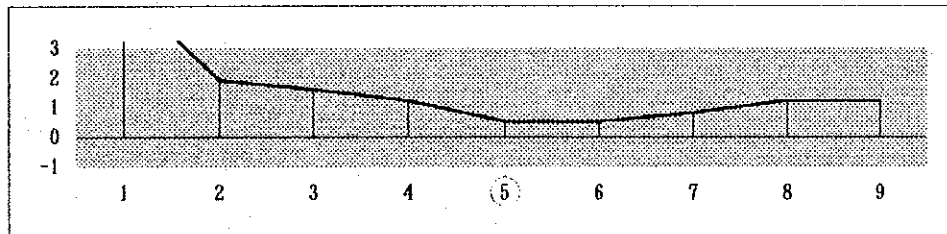
3/2/94



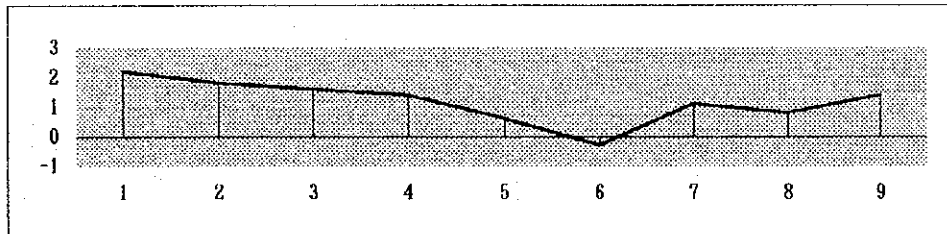
22/2/94



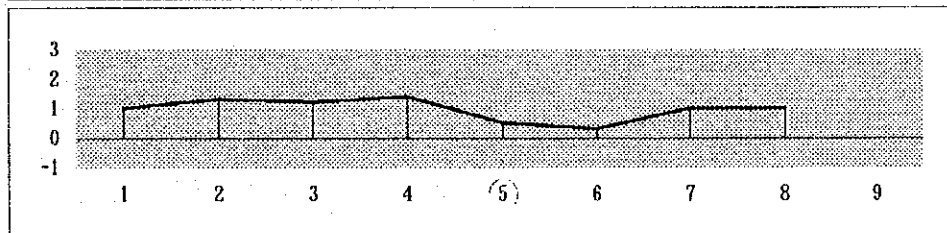
16/3/94



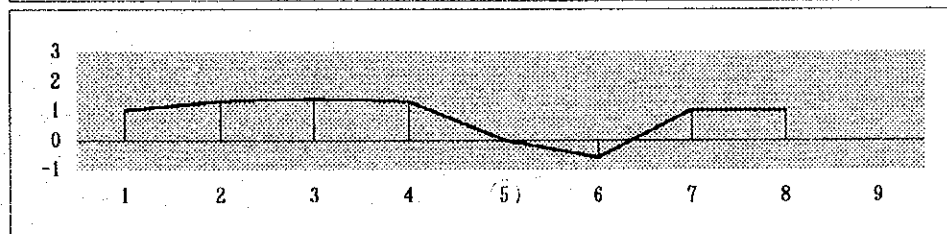
28/3/94



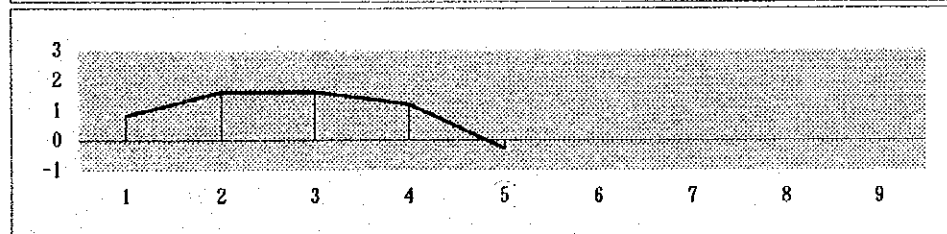
3/4/94



2/5/94



27/6/94

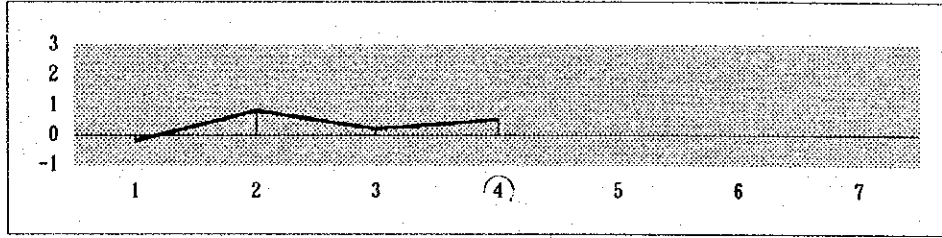


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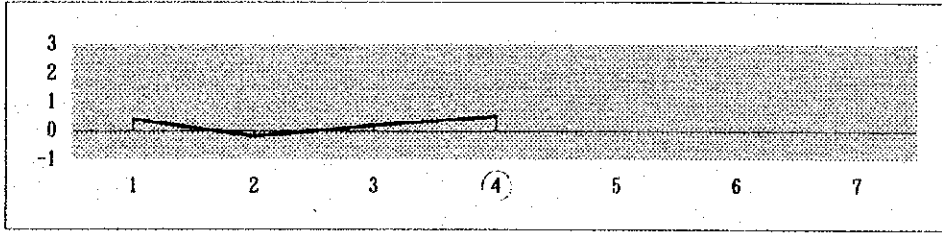
TL-3

+ deposit
- scour

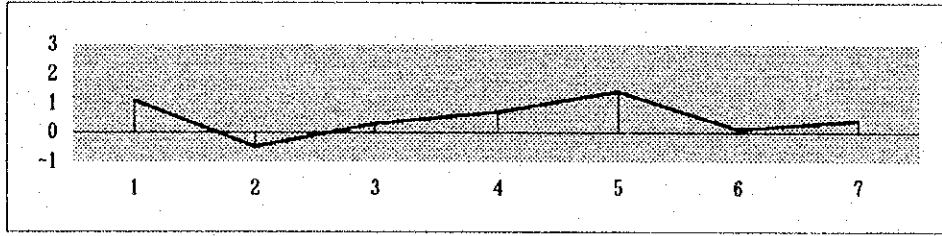
3/2/94



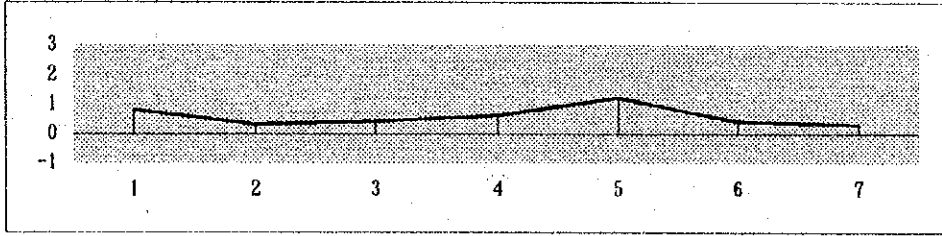
22/2/94



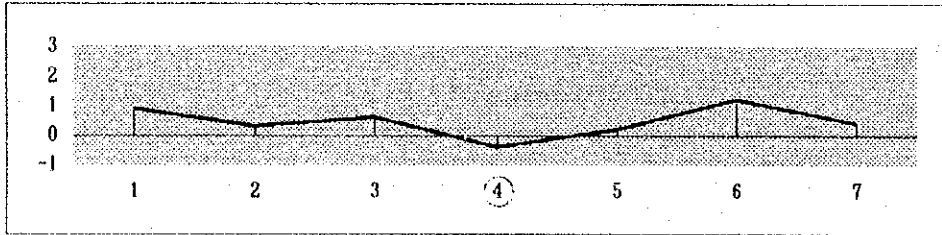
15/3/94



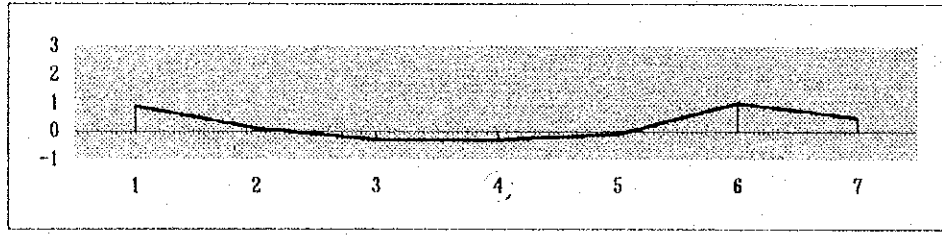
28/3/94



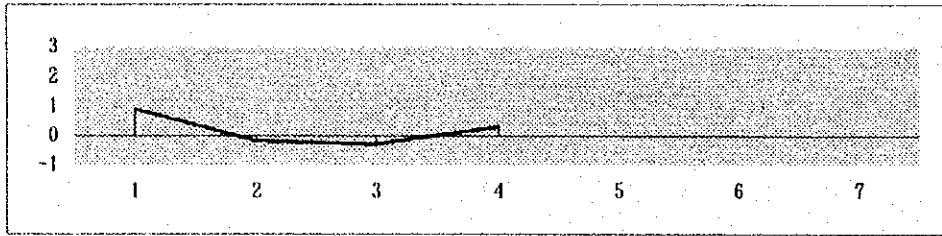
30/4/94



20/5/94



27/6/94

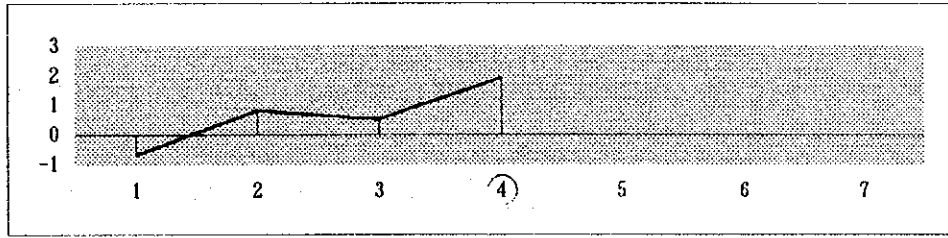


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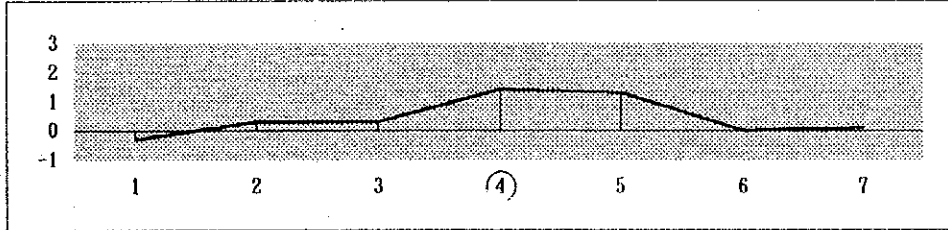
TL-4

+ deposit
- scour

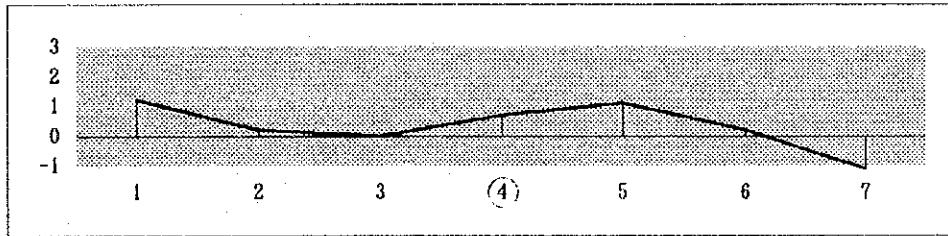
4/2/94



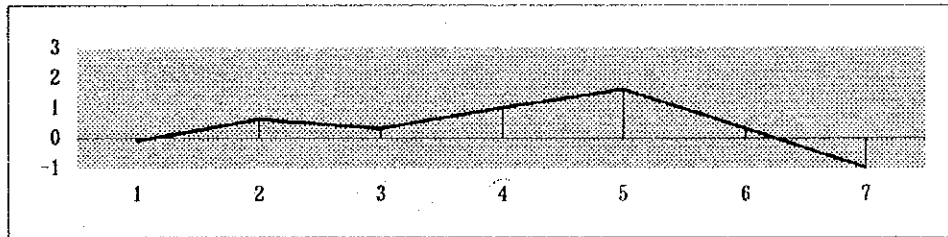
23/2/94



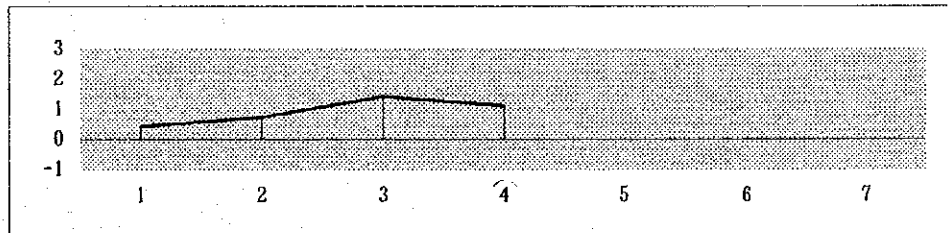
16/3/94



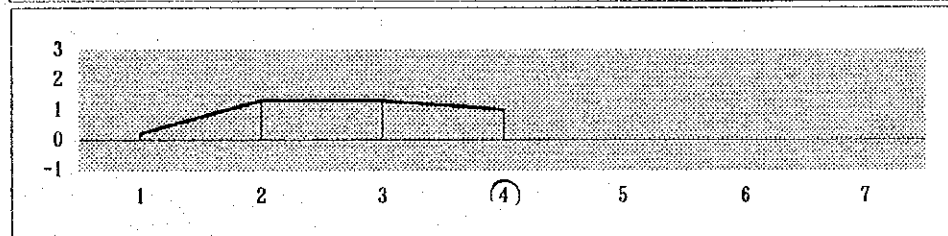
28/3/94



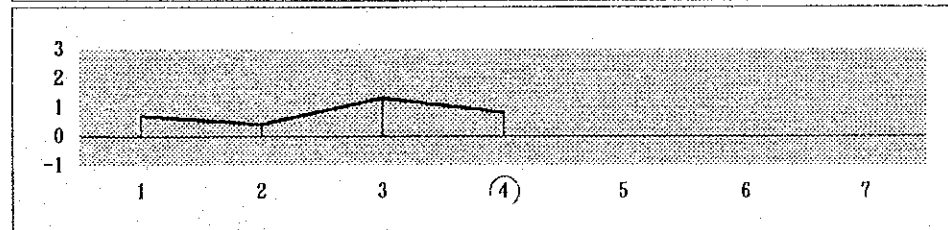
3/4/94



2/5/94



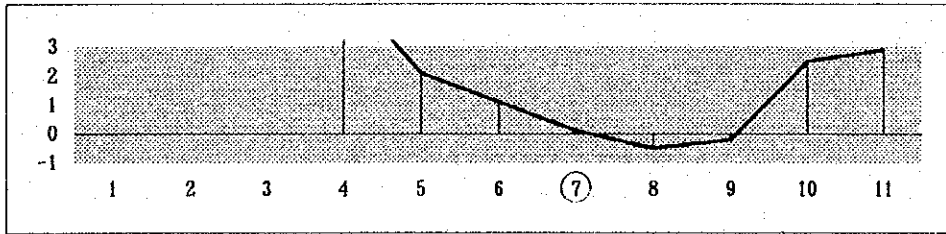
27/6/94



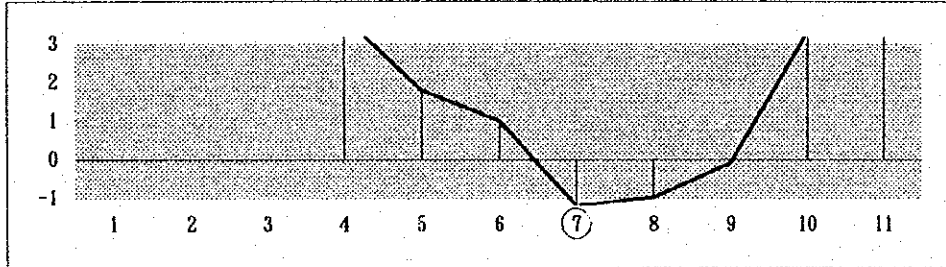
Telesina

TL-5

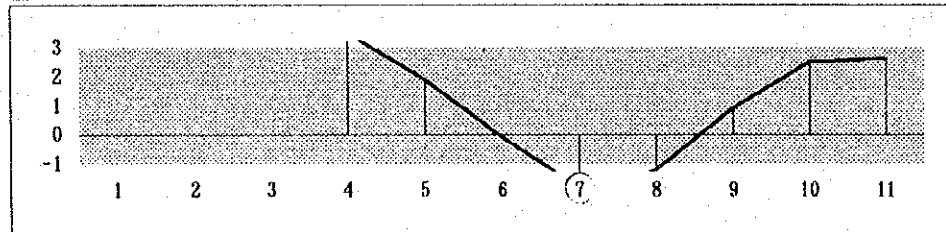
† deposit
- scour



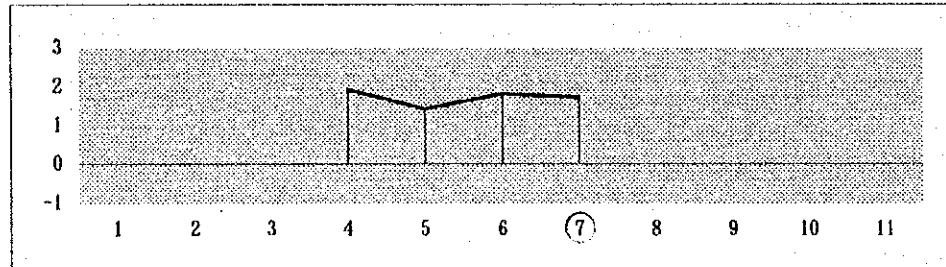
23/2/94



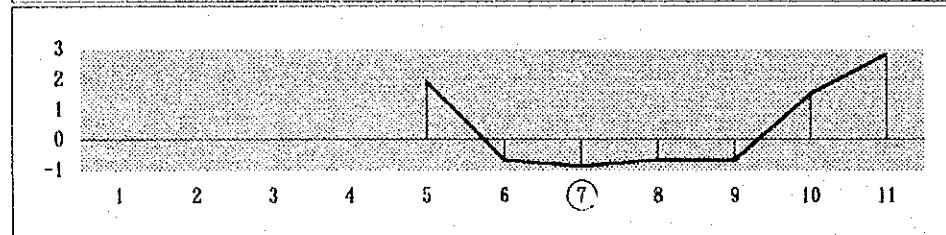
16/3/94



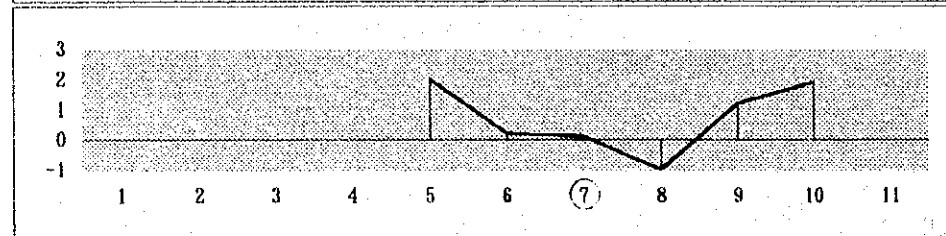
28/3/94



3/4/94



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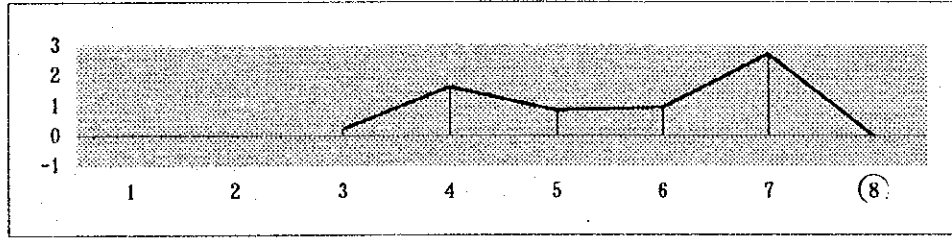


Telesina

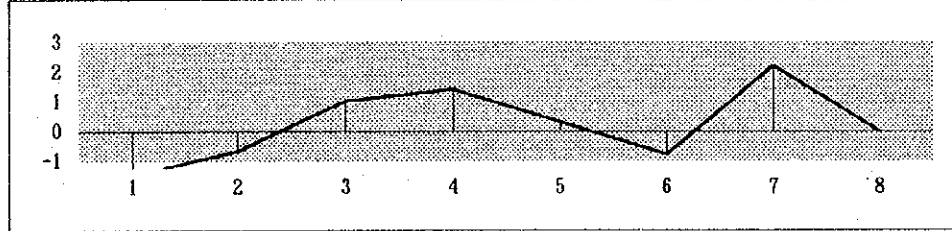
TL-7

+ deposit
- scour

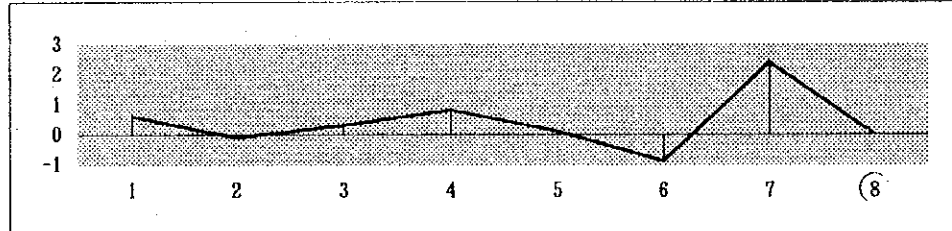
4/2/94



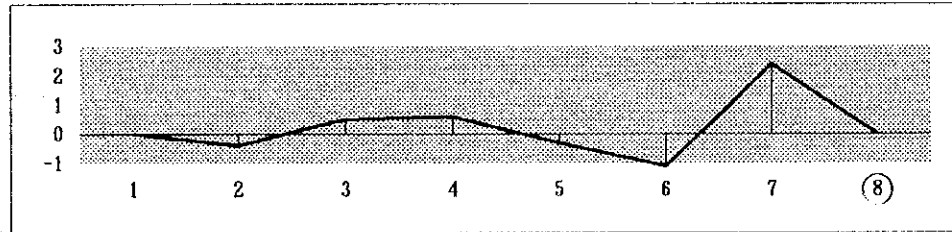
23/2/94



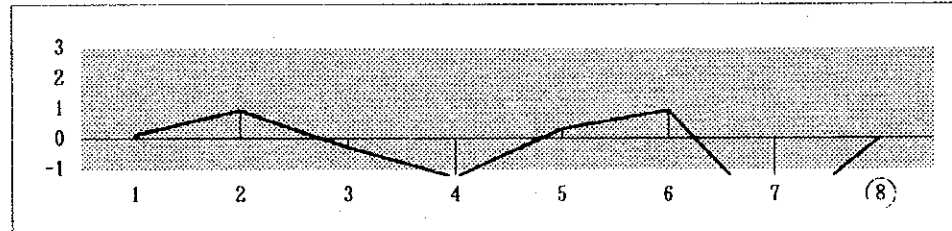
16/3/94



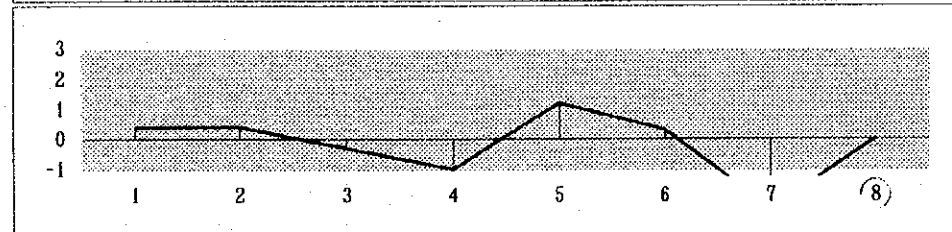
28/3/94



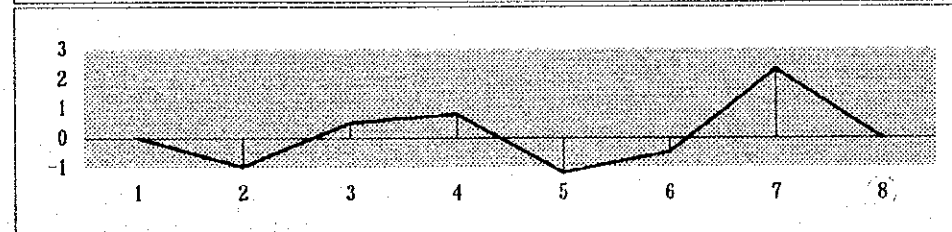
3/4/94



2/5/94



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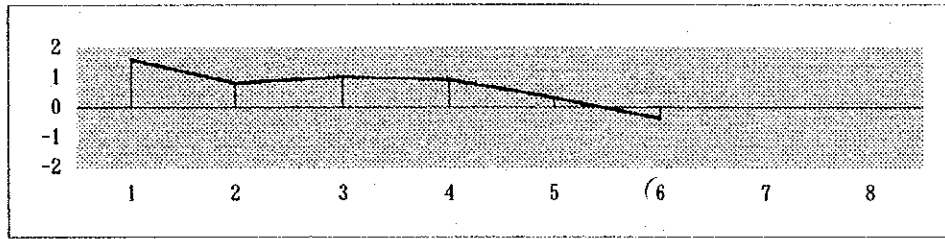
(Uniao Site)

Uniao

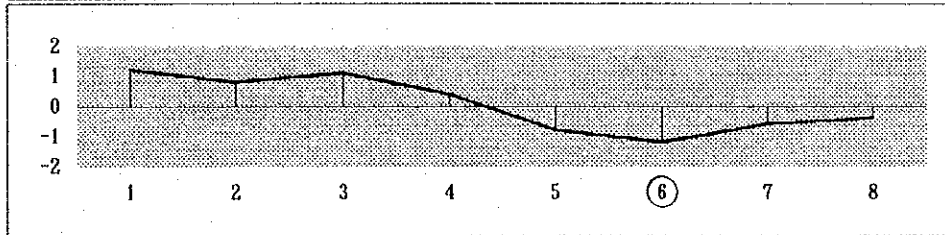
UL-1

+ deposit
- scour

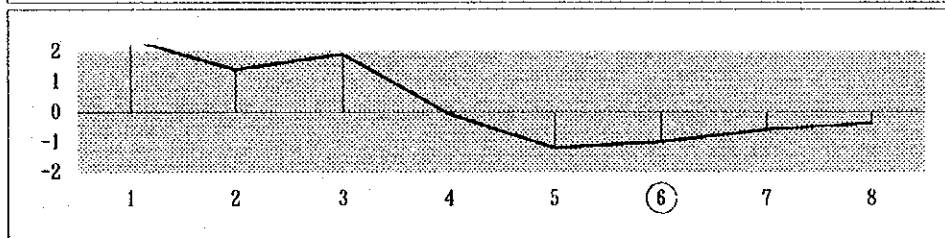
5/2/94



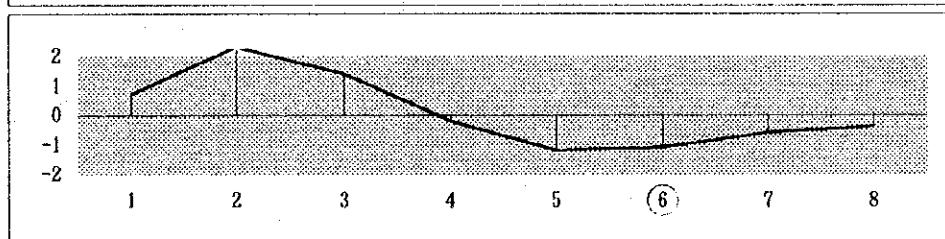
4/3/94



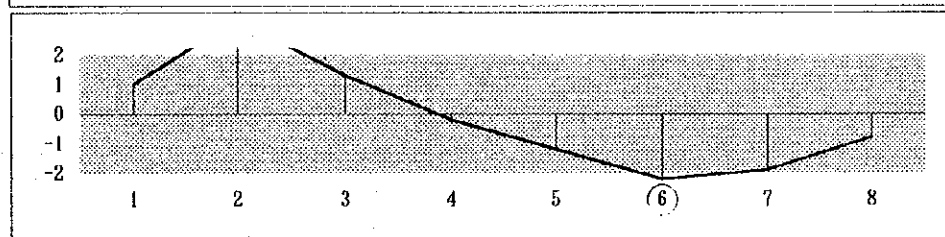
17/3/94



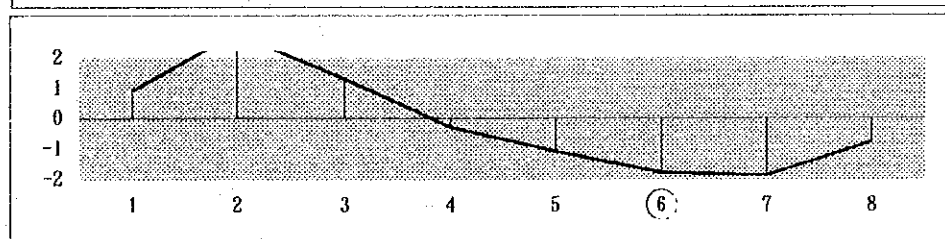
28/3/94



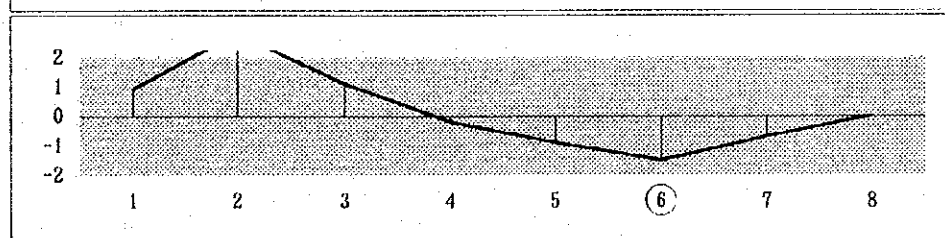
28/4/94



18/5/94



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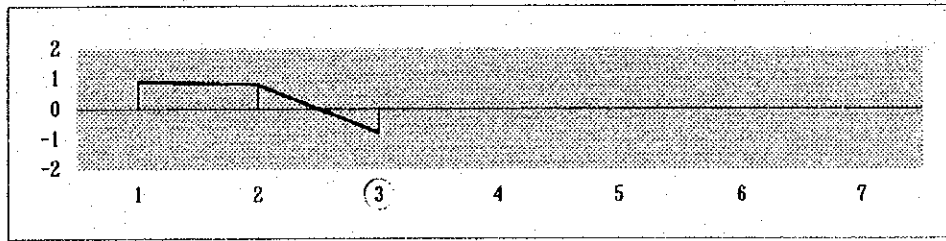


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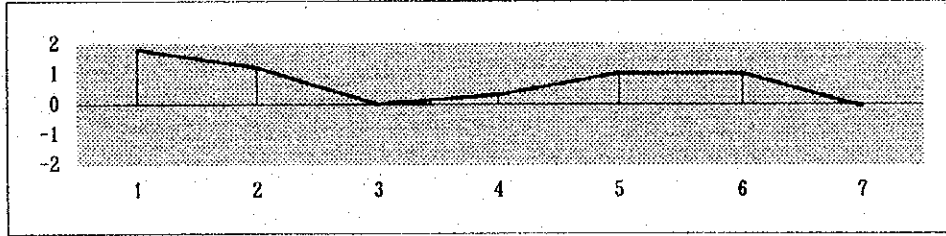
UL-2

+ deposit
- scour

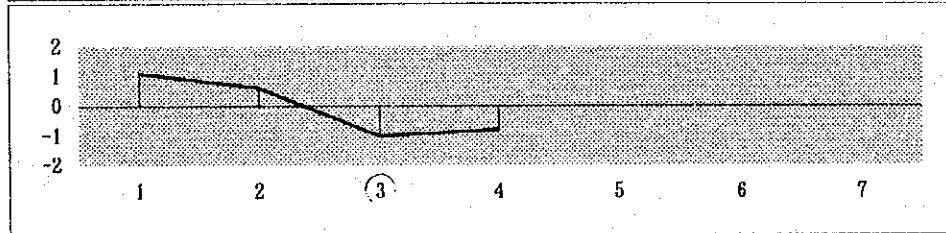
5/2/94



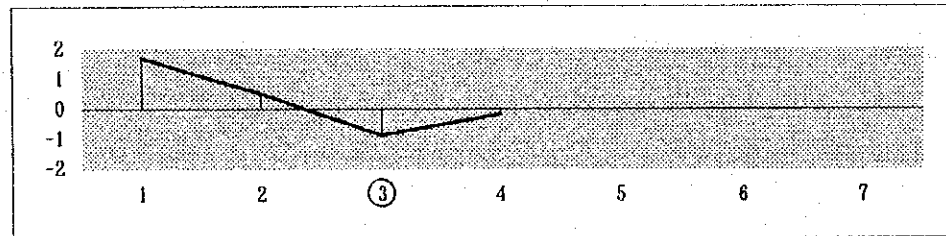
4/3/94



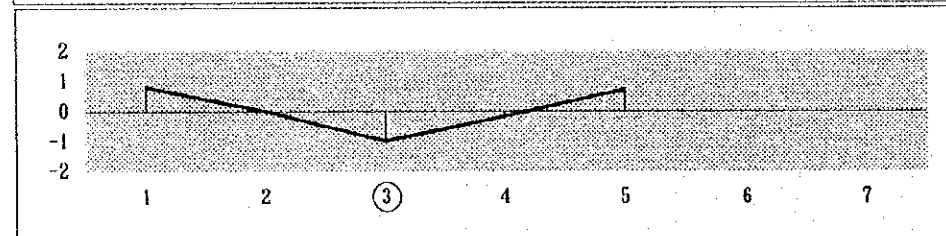
17/3/94



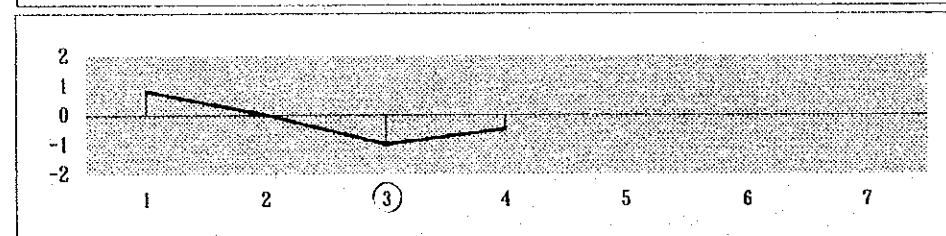
26/3/94



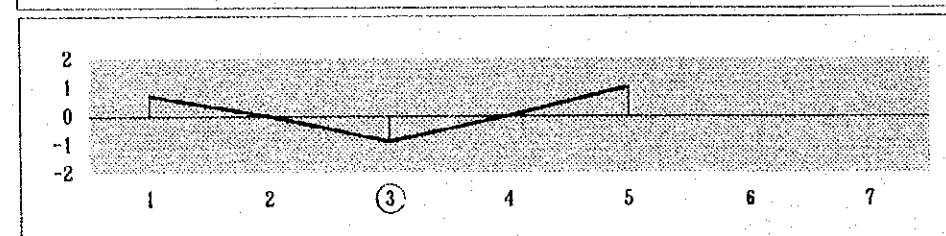
28/4/94



18/5/94



29/6/94

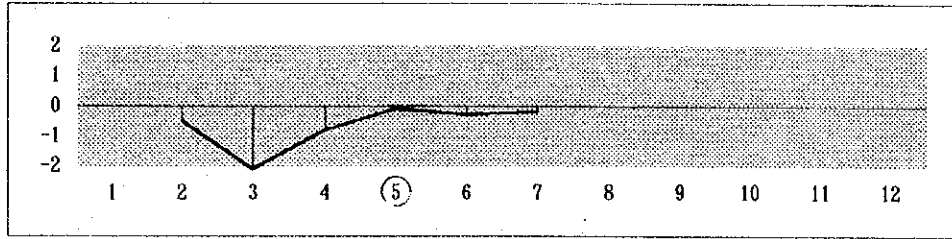


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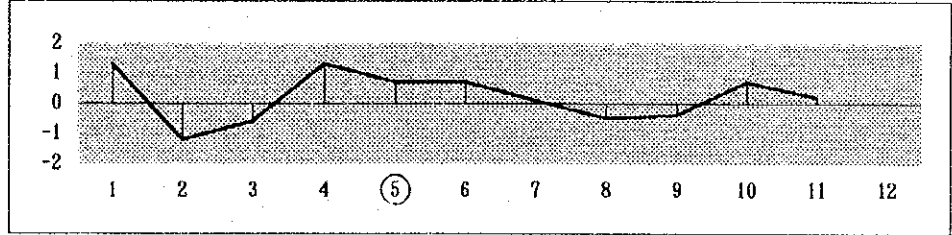
UL-3

+ deposit
- scour

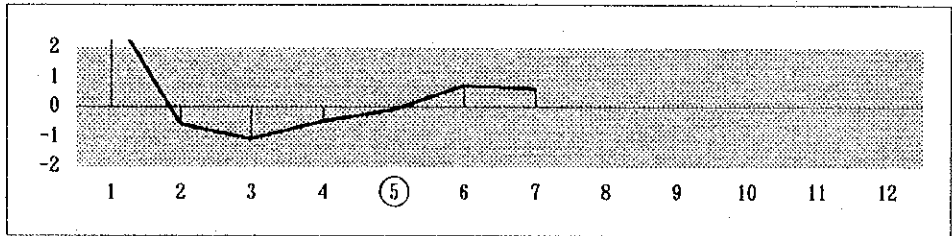
5/2/94



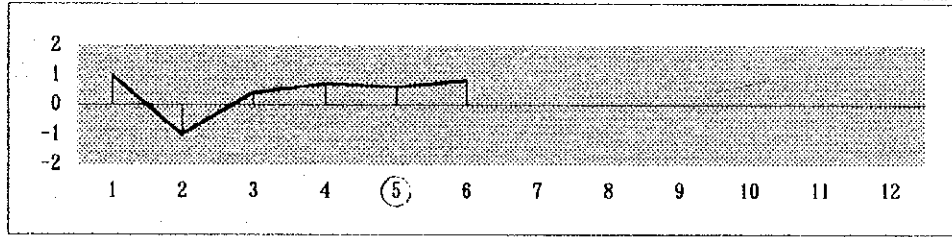
4/3/94



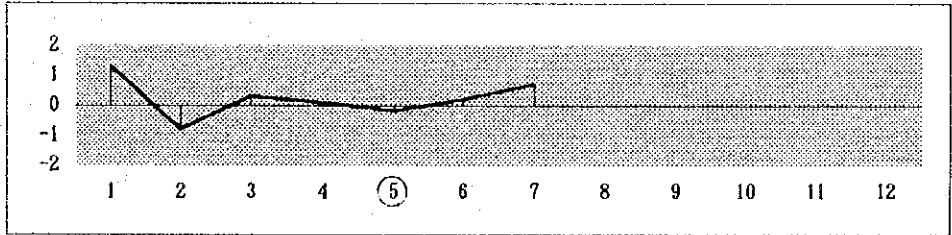
17/3/94



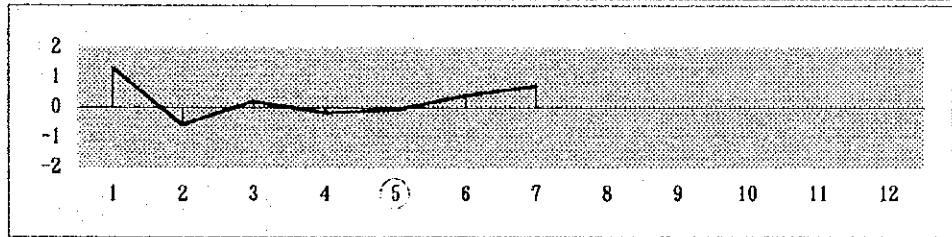
26/3/94



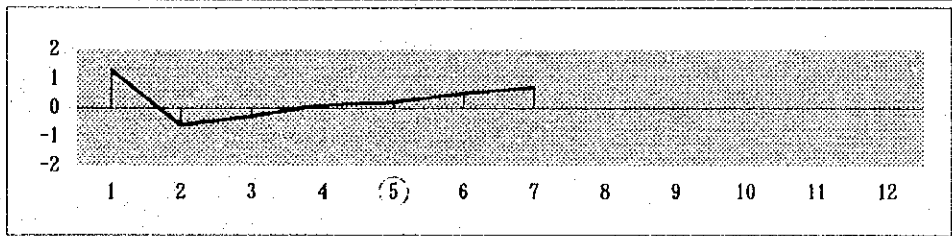
28/4/94



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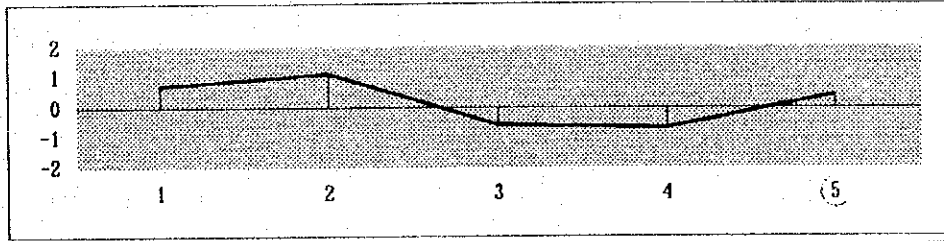


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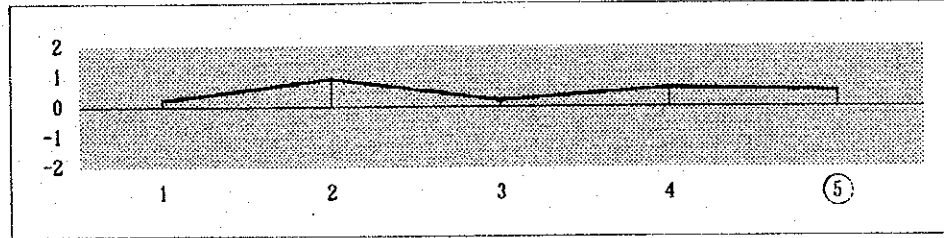
UL-4

+ deposit
- scour

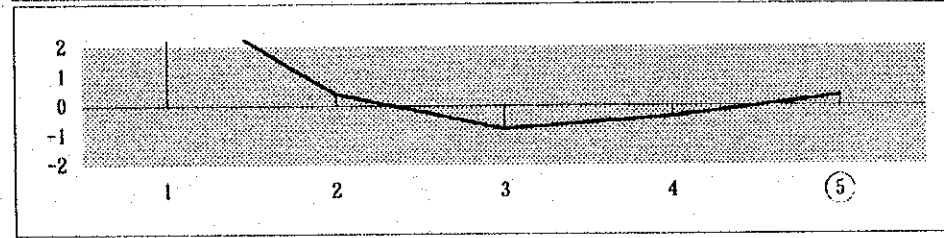
5/2/94



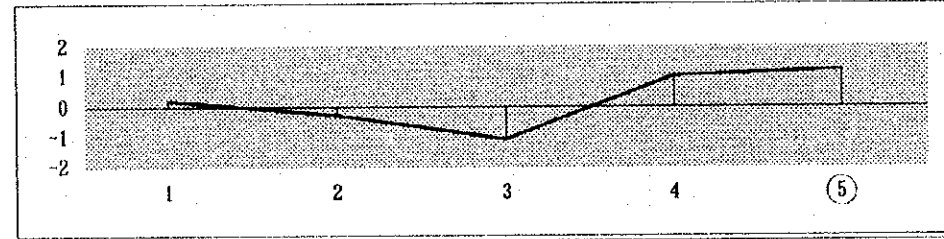
4/3/94



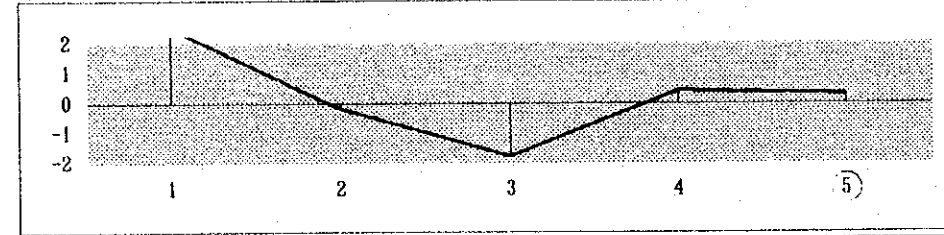
18/3/94



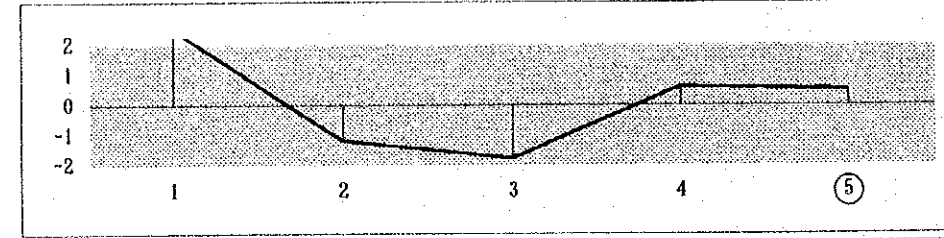
26/3/94



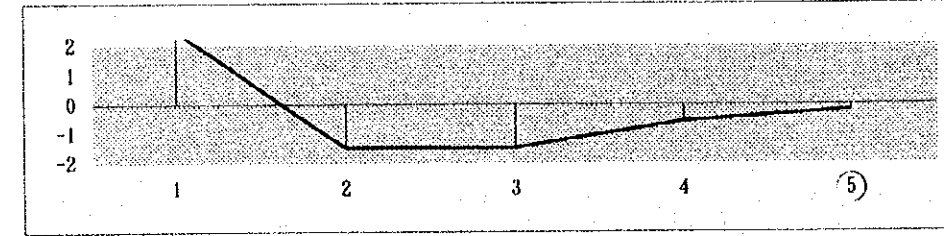
28/4/97



18/5/94



30/6/94

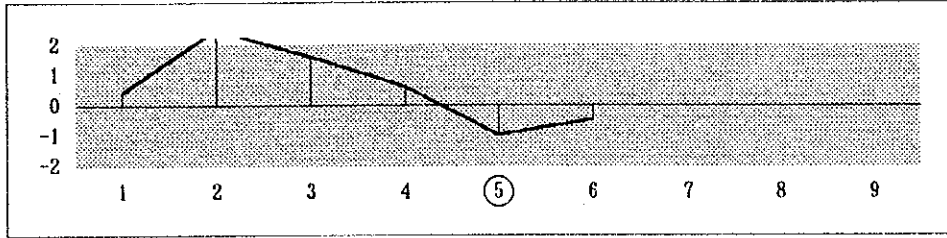


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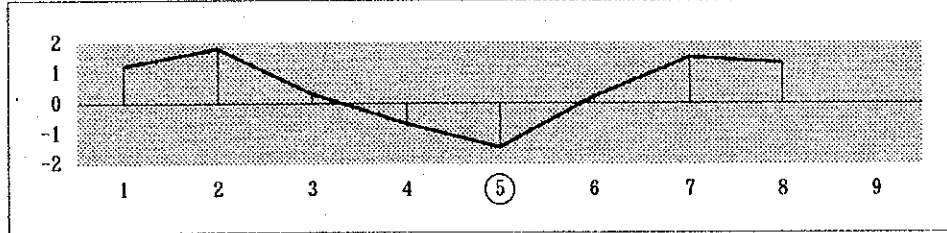
UL-5

+ deposit
- scour

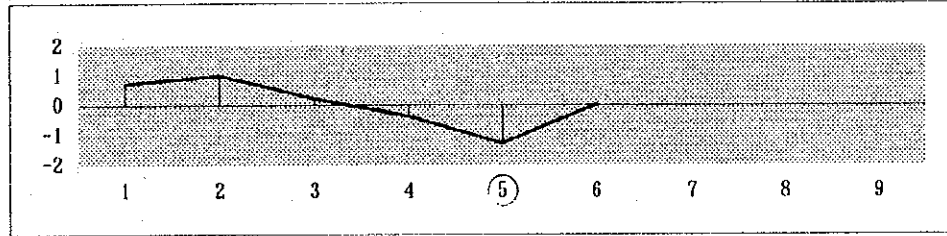
6/2/94



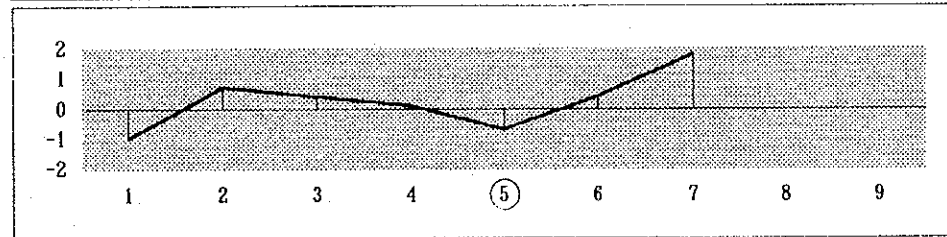
4/3/94



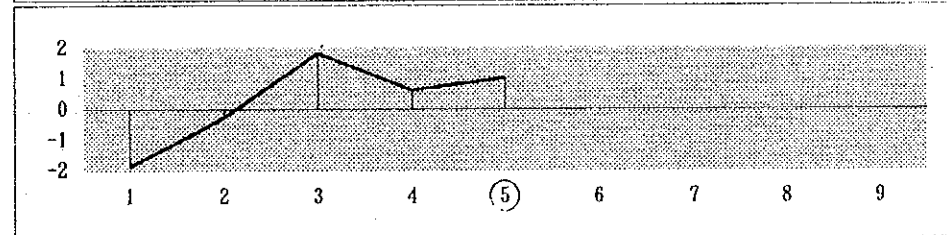
17/3/94



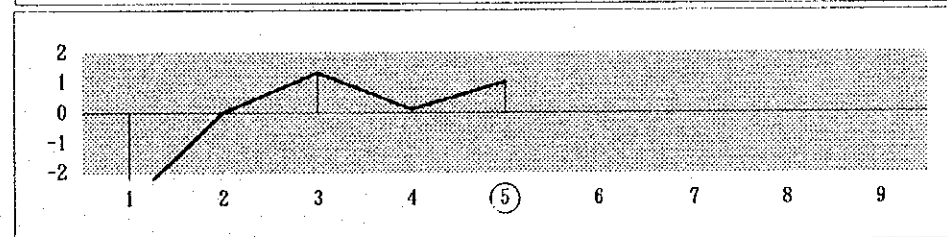
26/3/94



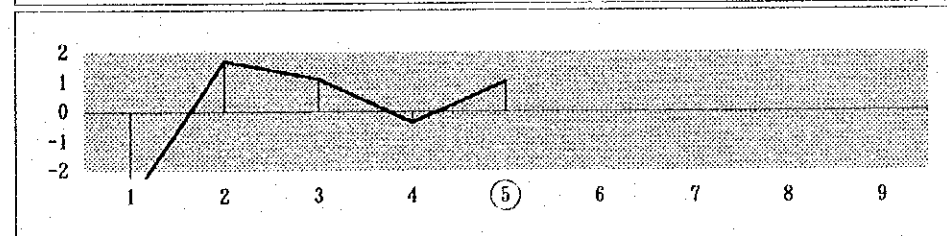
28/4/94



18/5/94



30/6/94

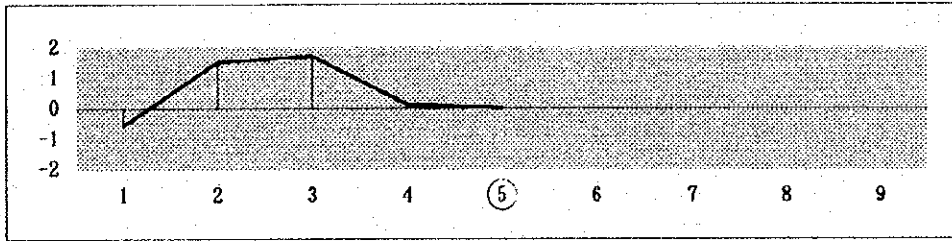


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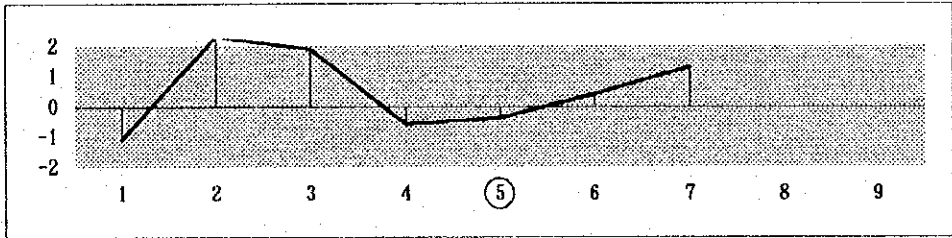
UL-6

+ deposit
- scour

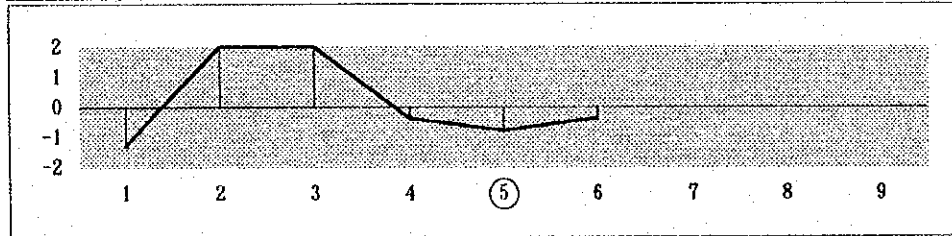
6/2/94



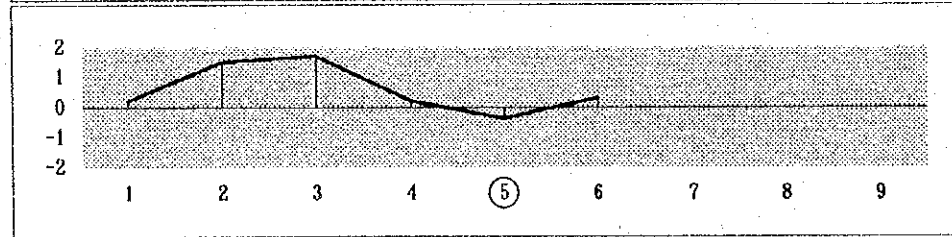
5/3/94



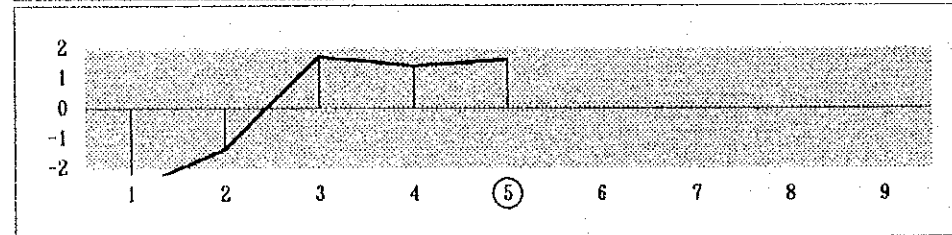
18/3/94



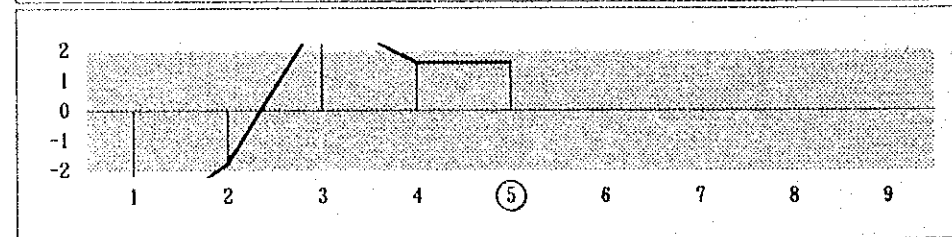
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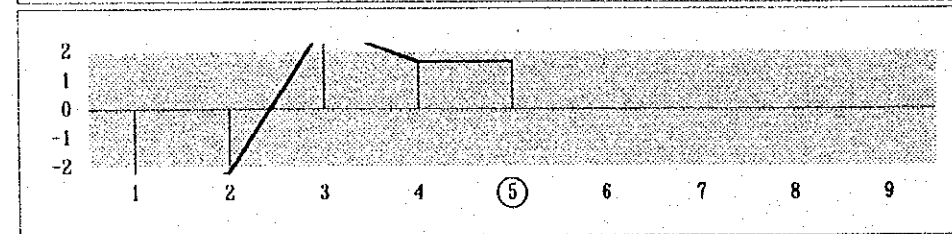
28/4/94



18/5/94



30/6/94

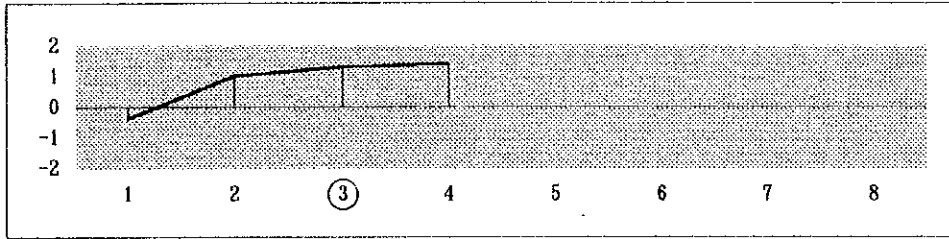


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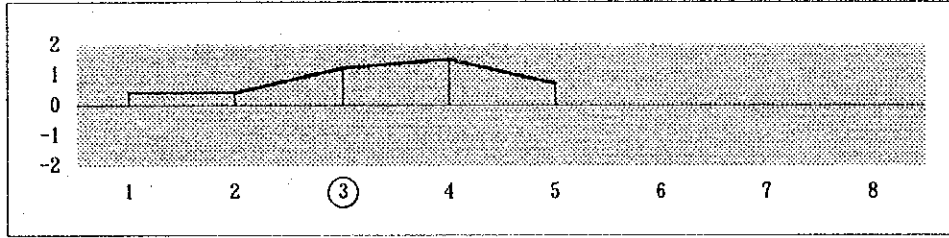
UL-7

+ deposit
- scour

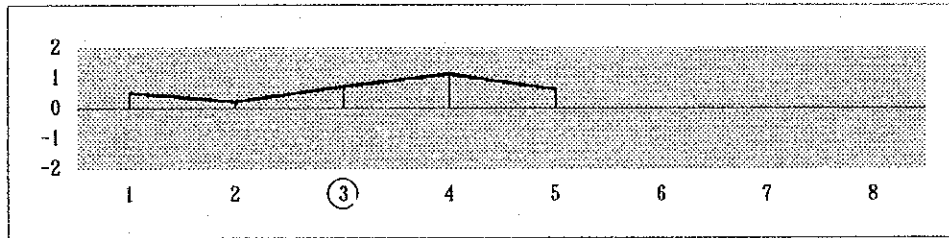
6/2/94



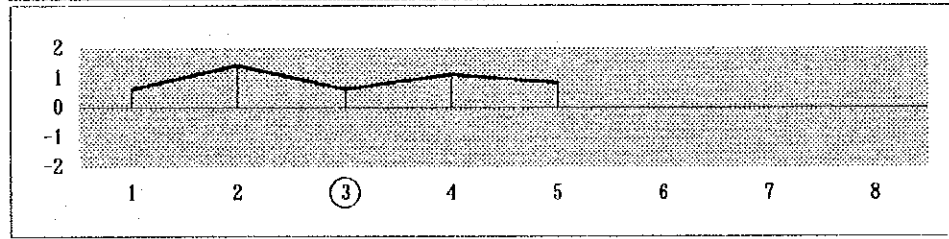
5/3/94



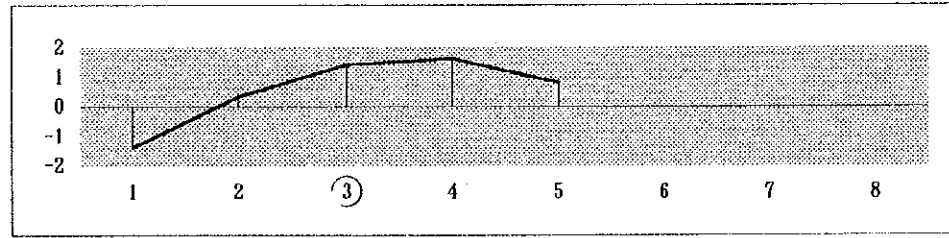
18/3/94



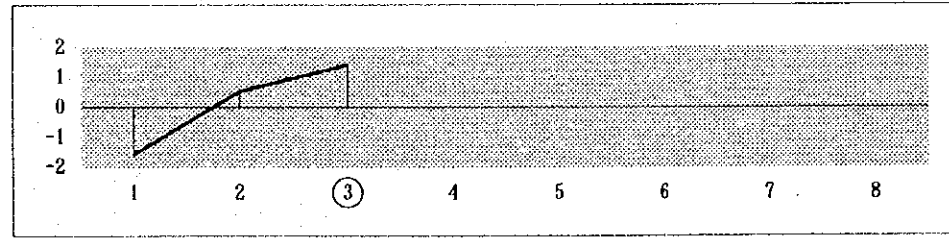
26/3/94



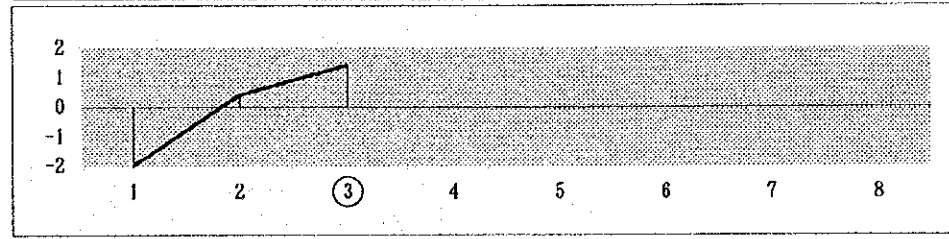
28/4/94



18/5/94



30/6/94

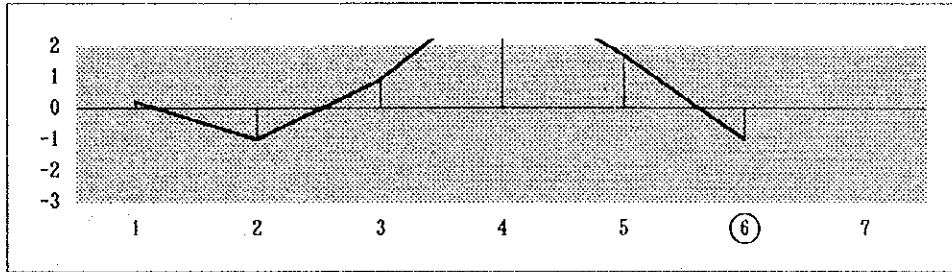


(Buriti dos Lopes Site)

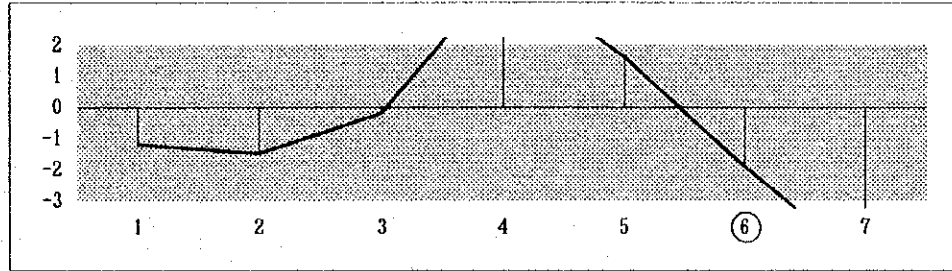
Buriti dos Lopes BL-1

+ deposit
- scour

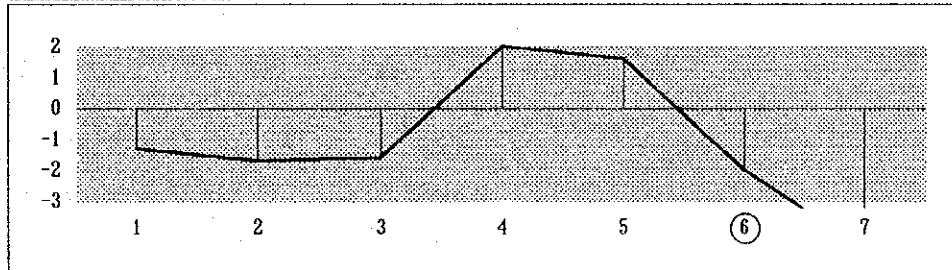
7/2/94



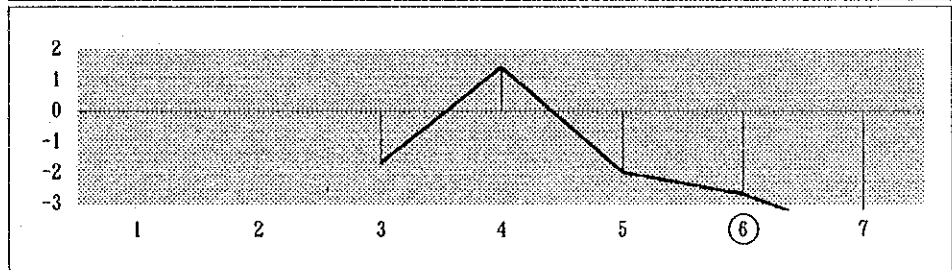
1/3/94



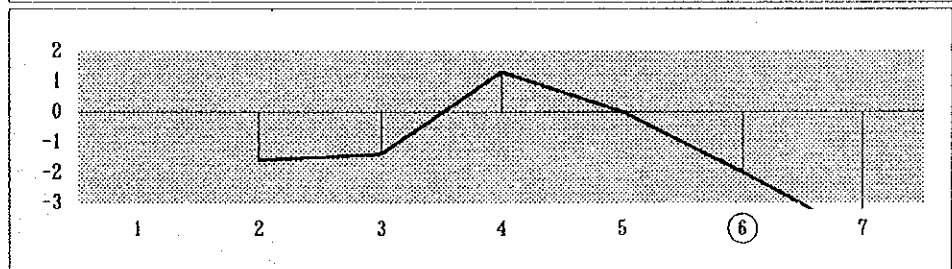
24/3/94



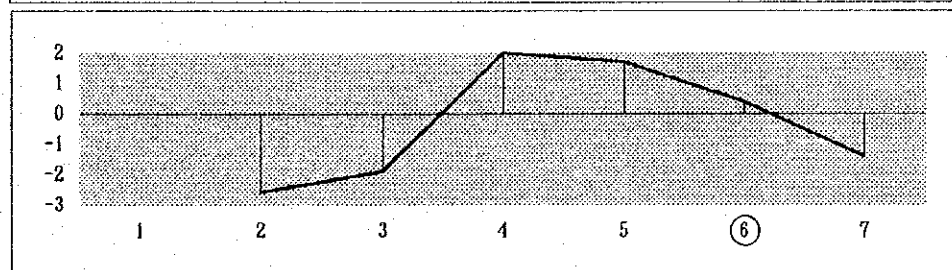
26/4/94



17/5/94



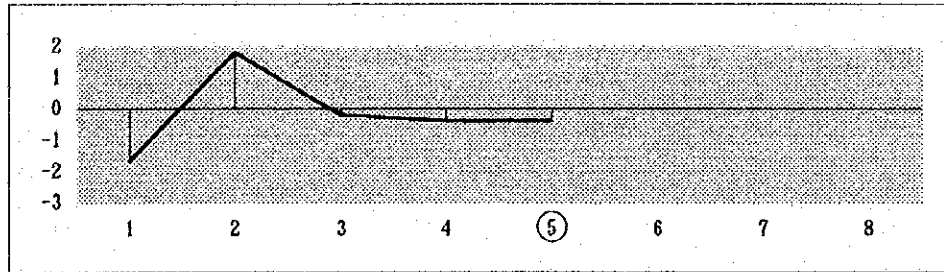
1/7/94



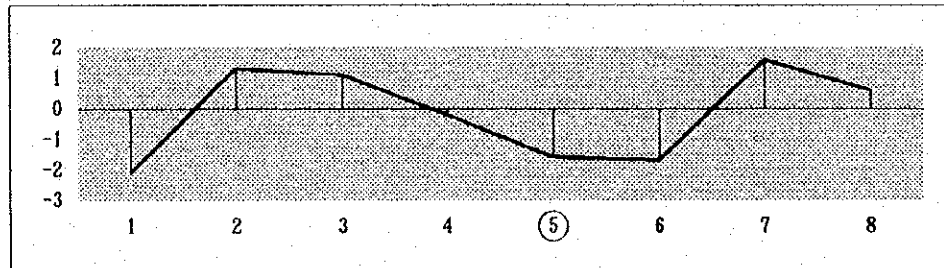
Buriti dos Lopes BL-2

+ deposit
- scour

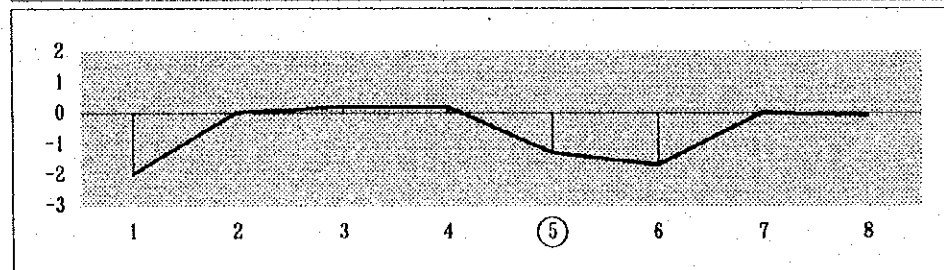
7/2/94



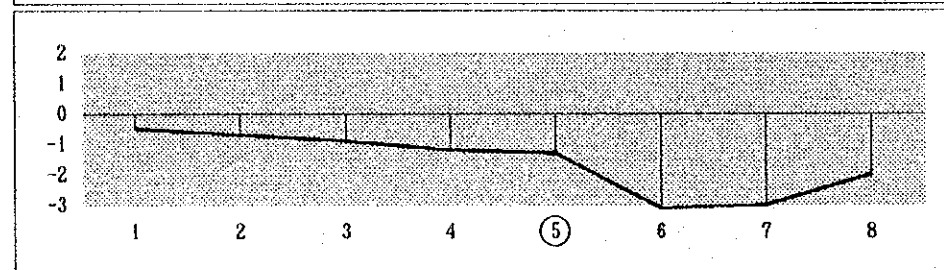
1/3/94



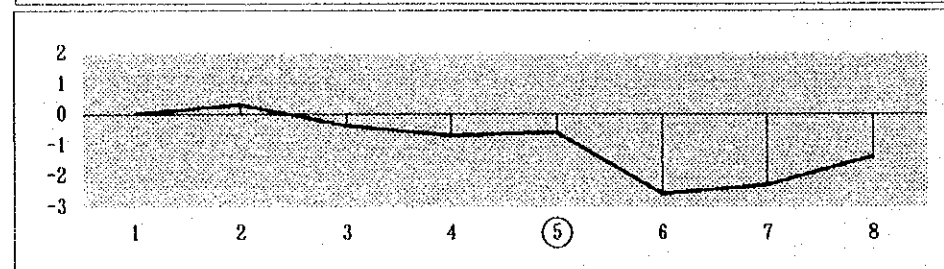
24/3/94



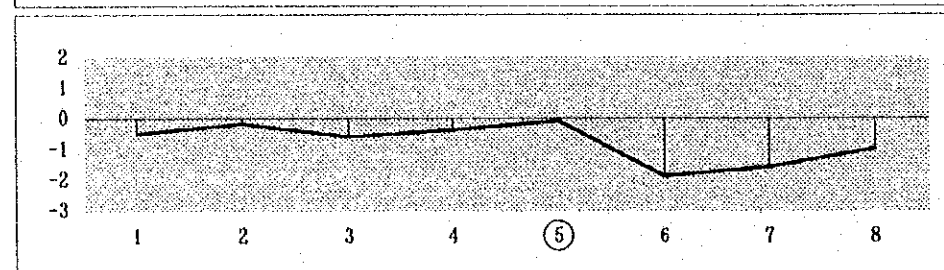
26/4/94



17/5/94



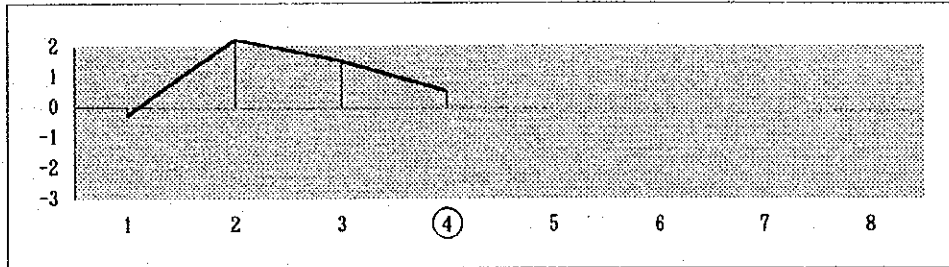
1/7/94



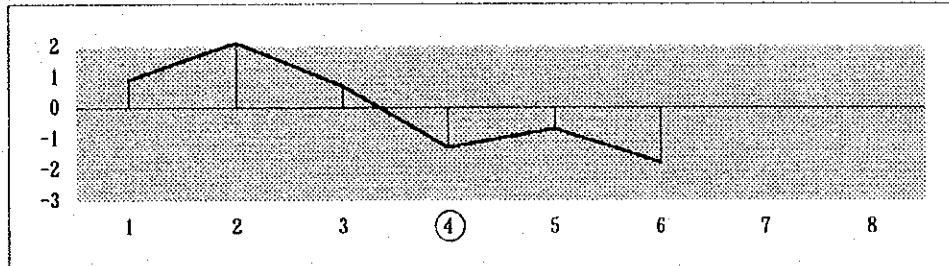
Buriti dos Lopes BL-3

+ deposit
- scour

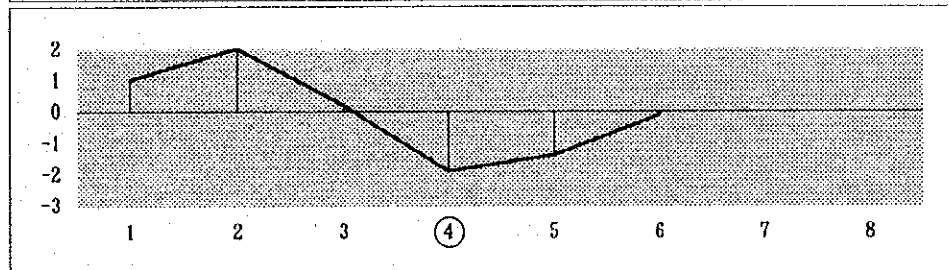
7/2/94



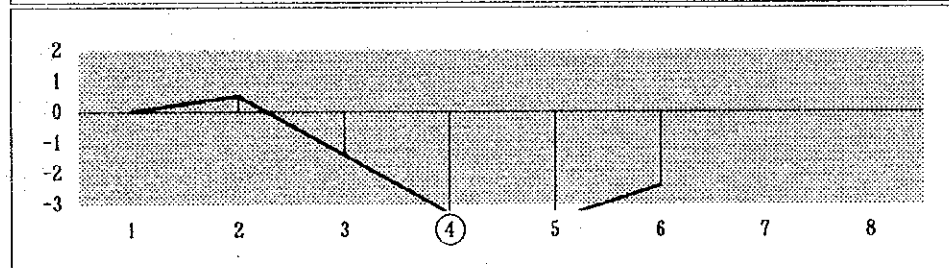
1/3/94



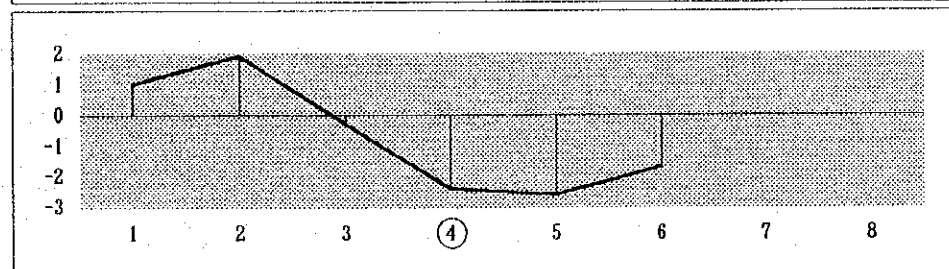
24/3/94



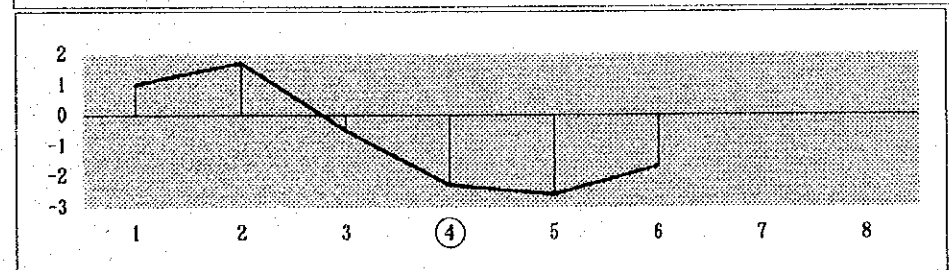
26/4/94



17/5/94



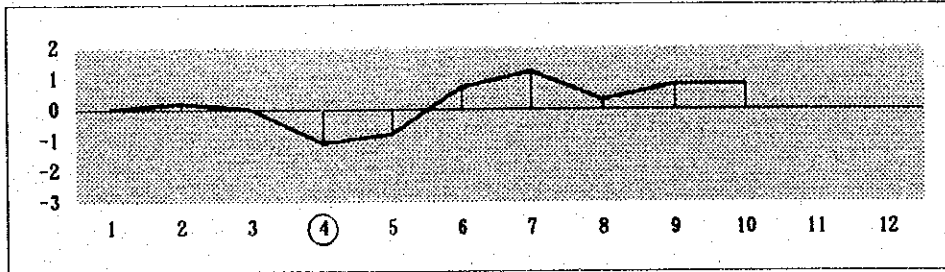
1/7/94



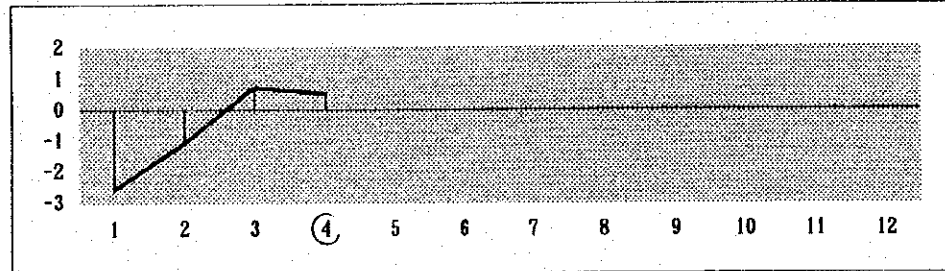
Buriti dos Lopes BL-4

+ deposit
- scour

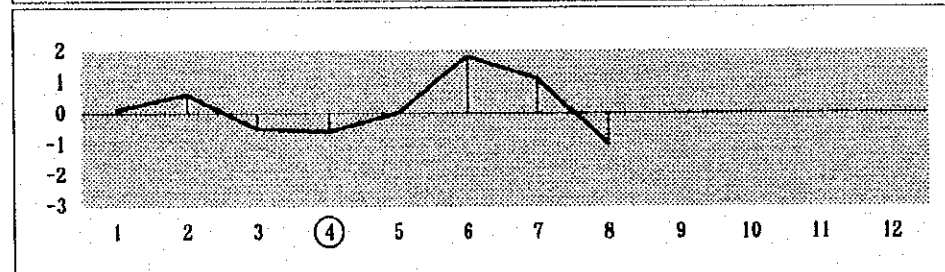
7/2/94



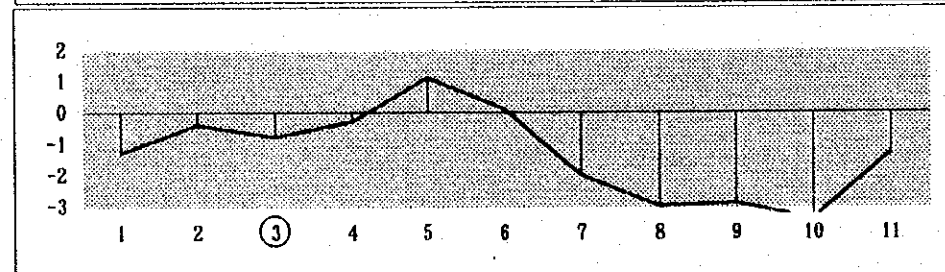
1/3/94



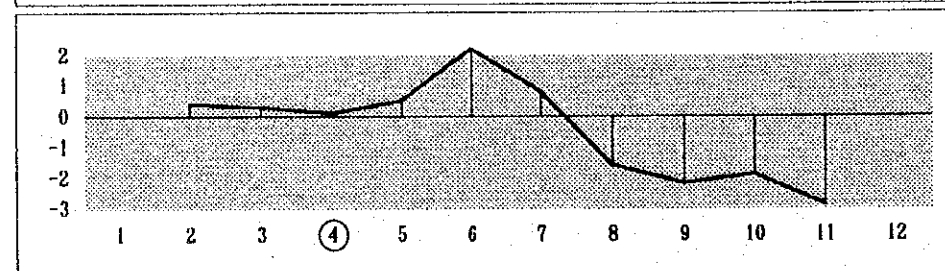
24/3/94



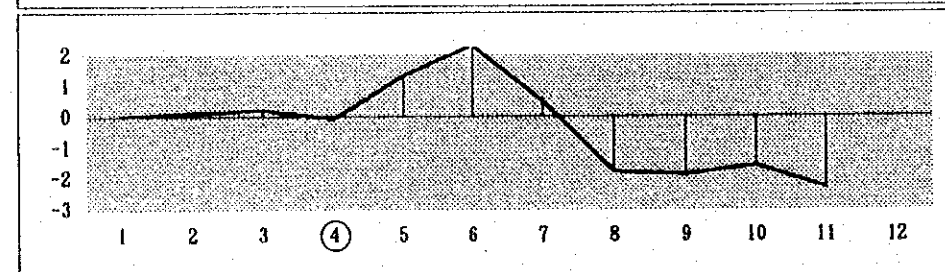
26/4/94



17/5/94



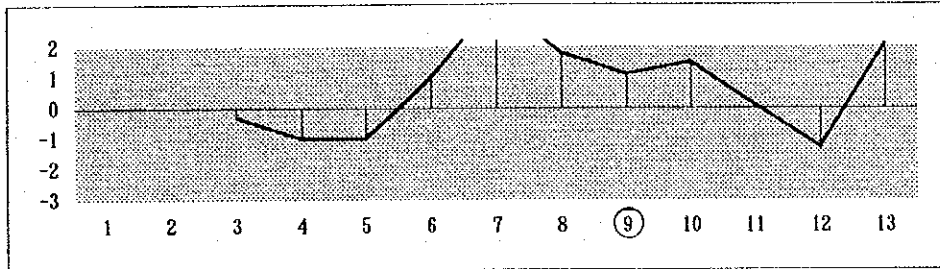
1/7/94



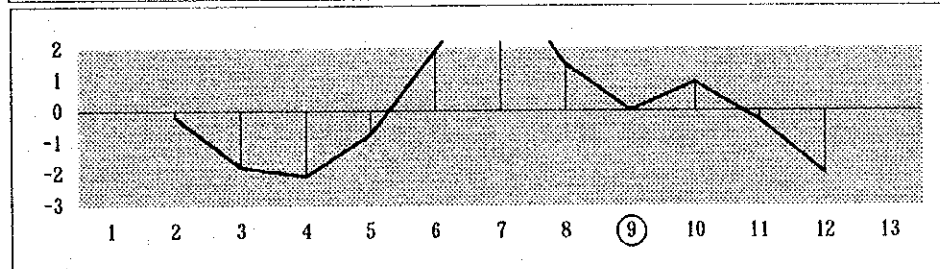
Buriti dos Lopes BL-5

+ deposit
- scour

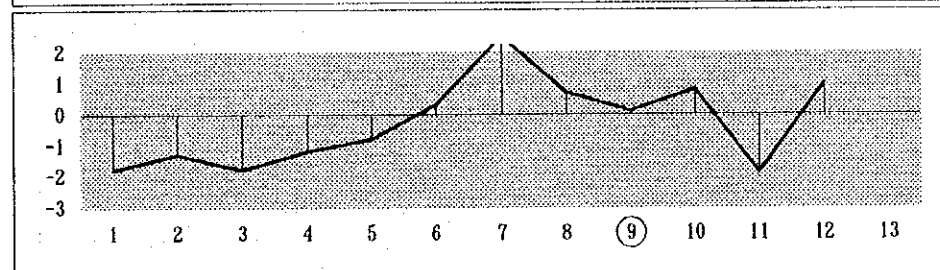
8/2/94



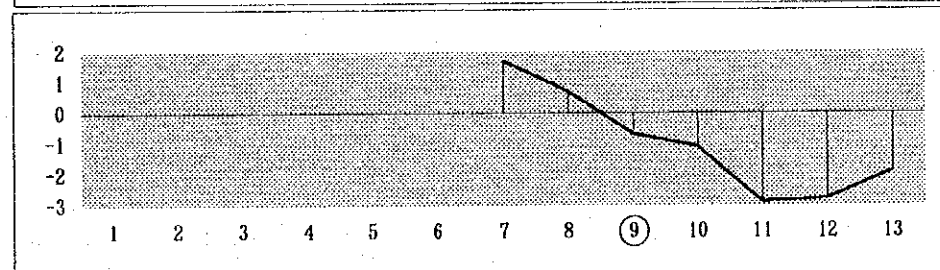
2/3/94



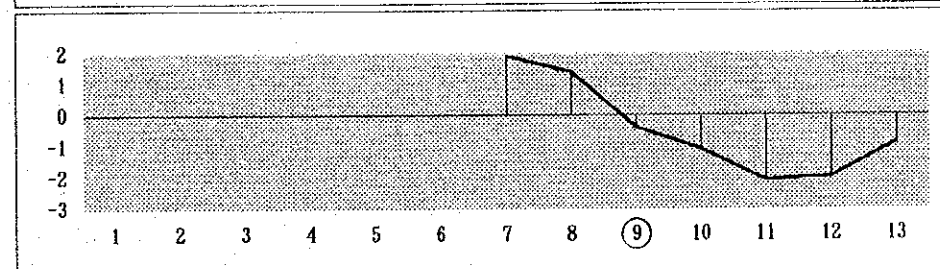
25/3/94



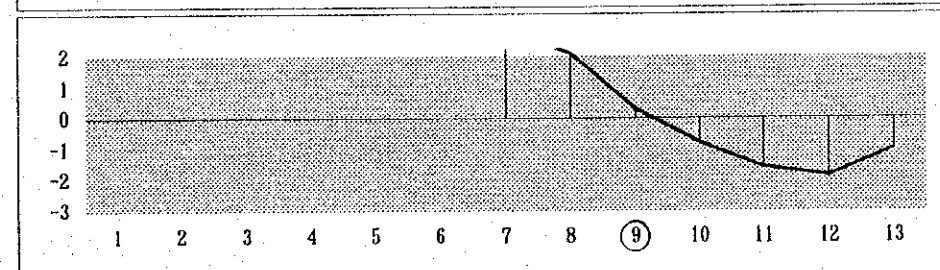
27/4/94



17/5/94



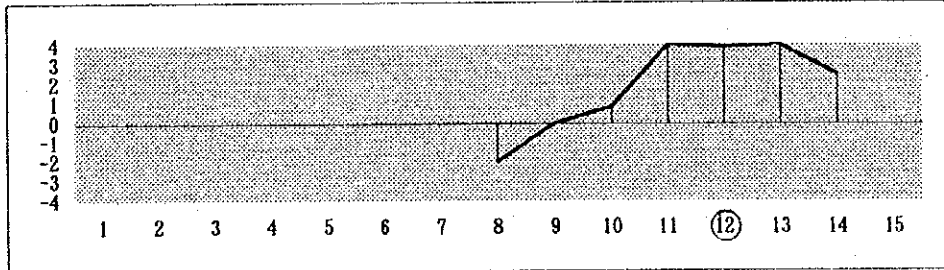
1/7/94



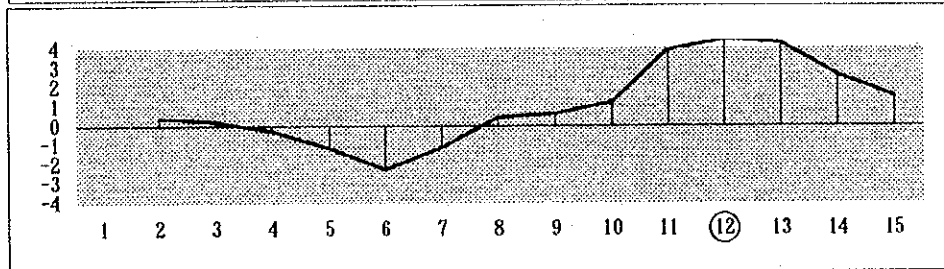
Buriti dos Lopes BL-6

+ deposit
- scour

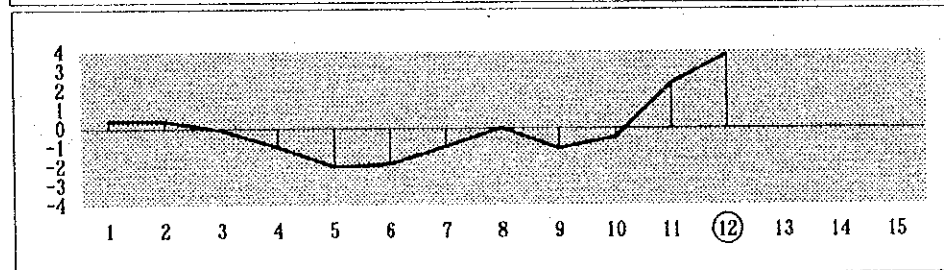
8/2/94



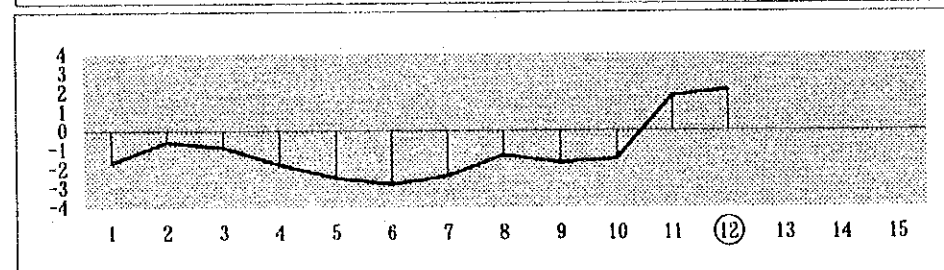
2/3/94



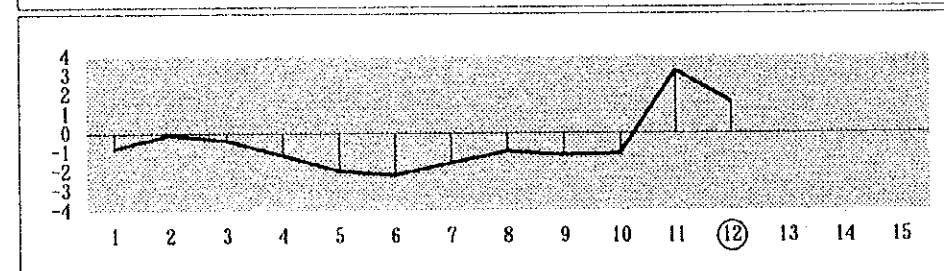
25/3/94



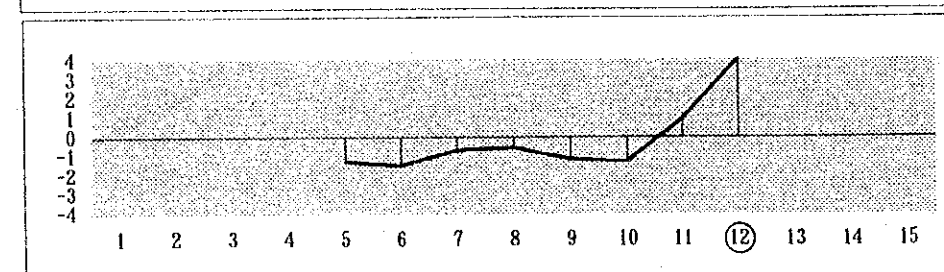
27/4/94



17/5/94



1/7/94



Annex 6 : Condition of Scouring and Sedimentation

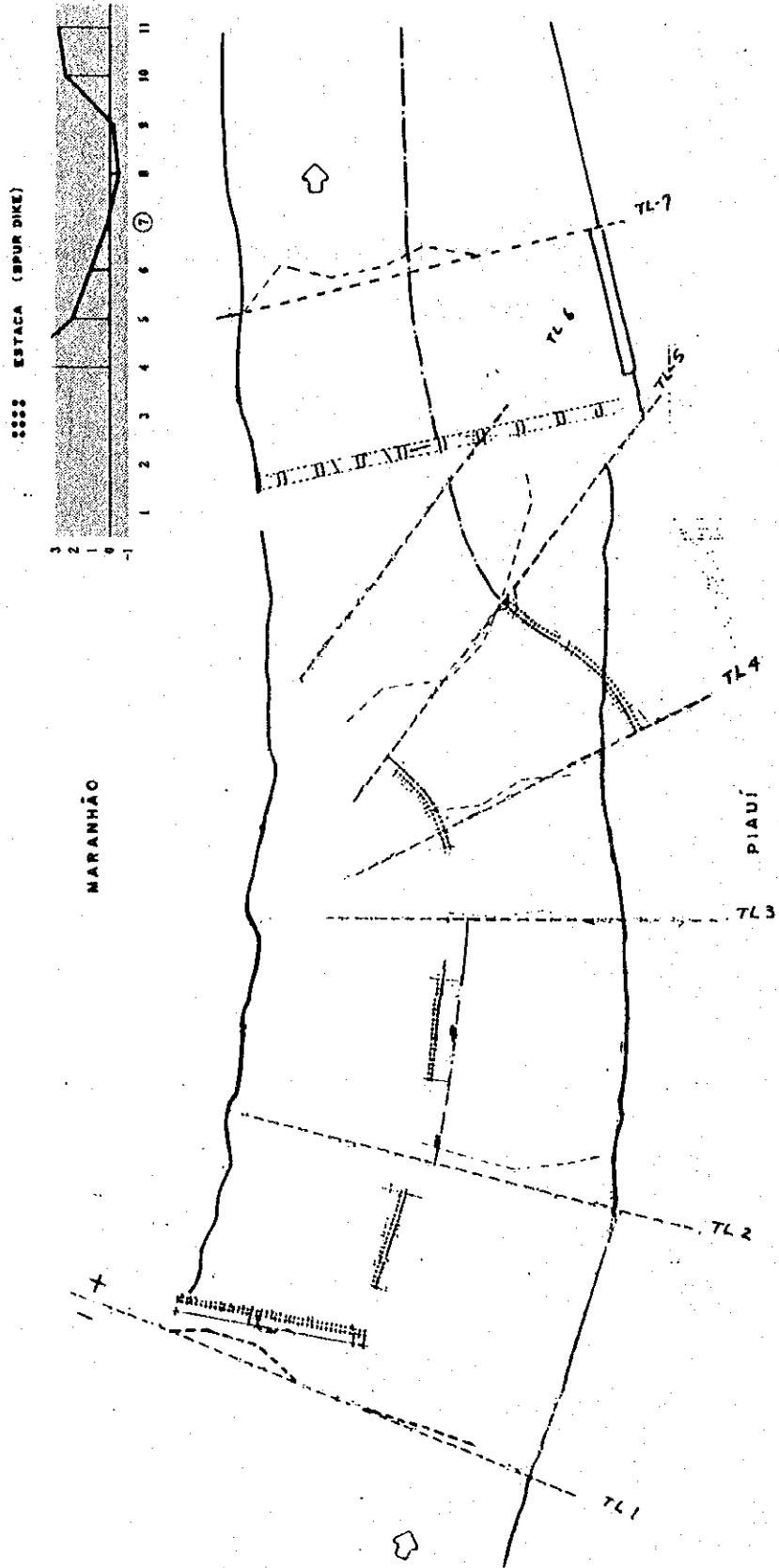
Bed Condition of Scouring/Sedimentation

Teresina

TERESINA - PI.

ESC. 1:5000

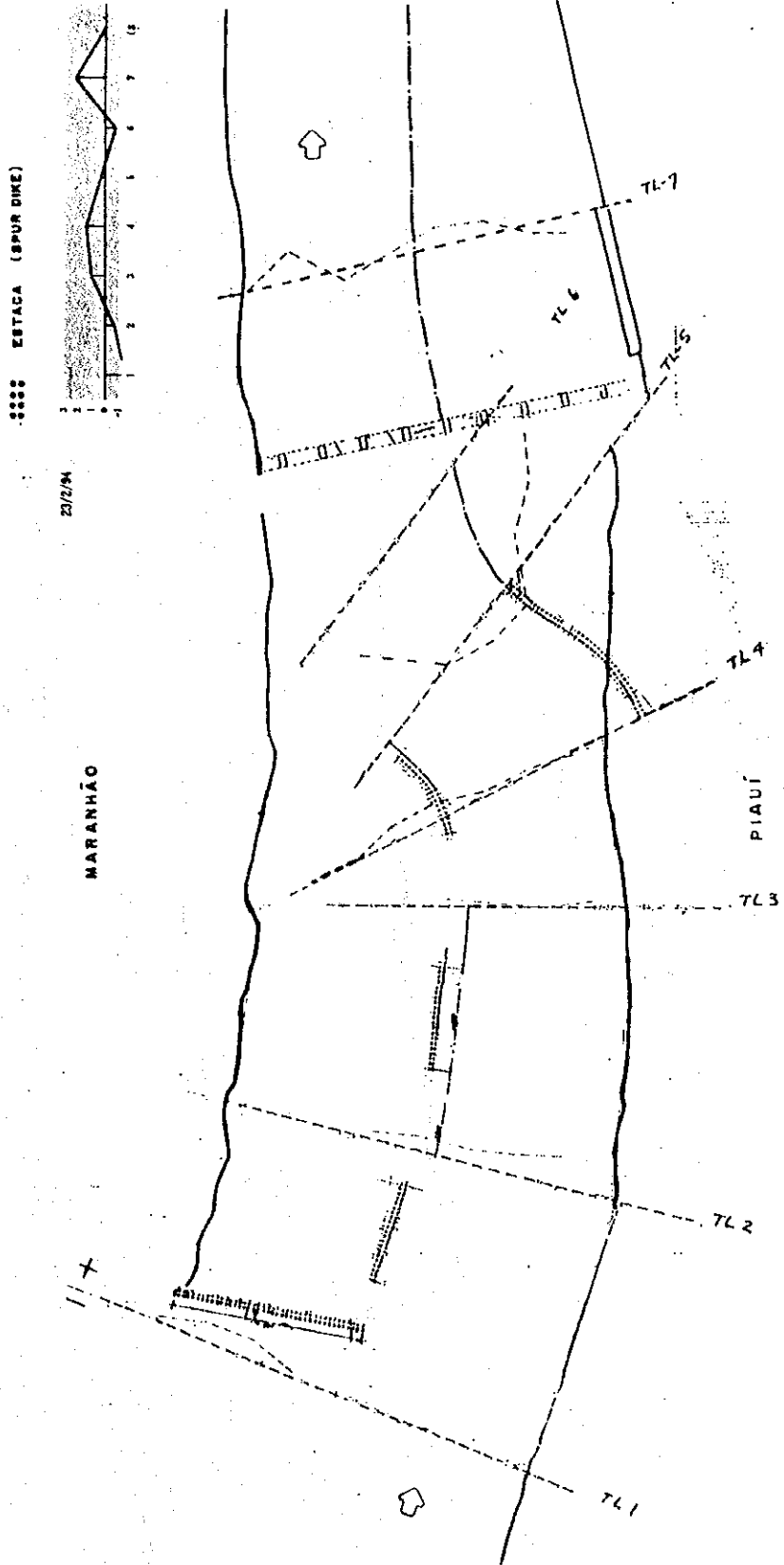
Date : 03/2 , 1994



TERESINA - PI.

ESC. 1:5000

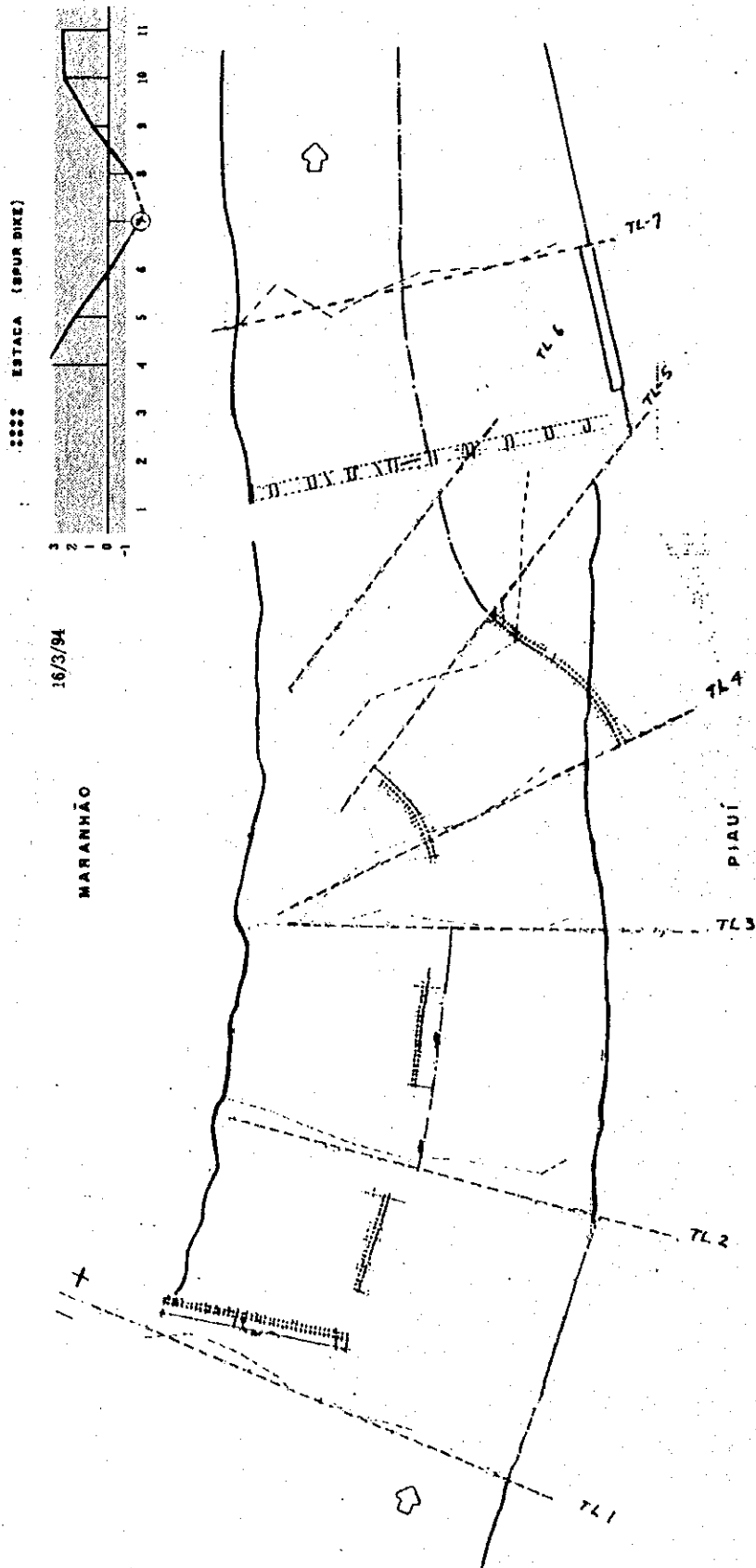
Date : 22/2 , 1994



TERESINA - PI.

ESC. 1:5000

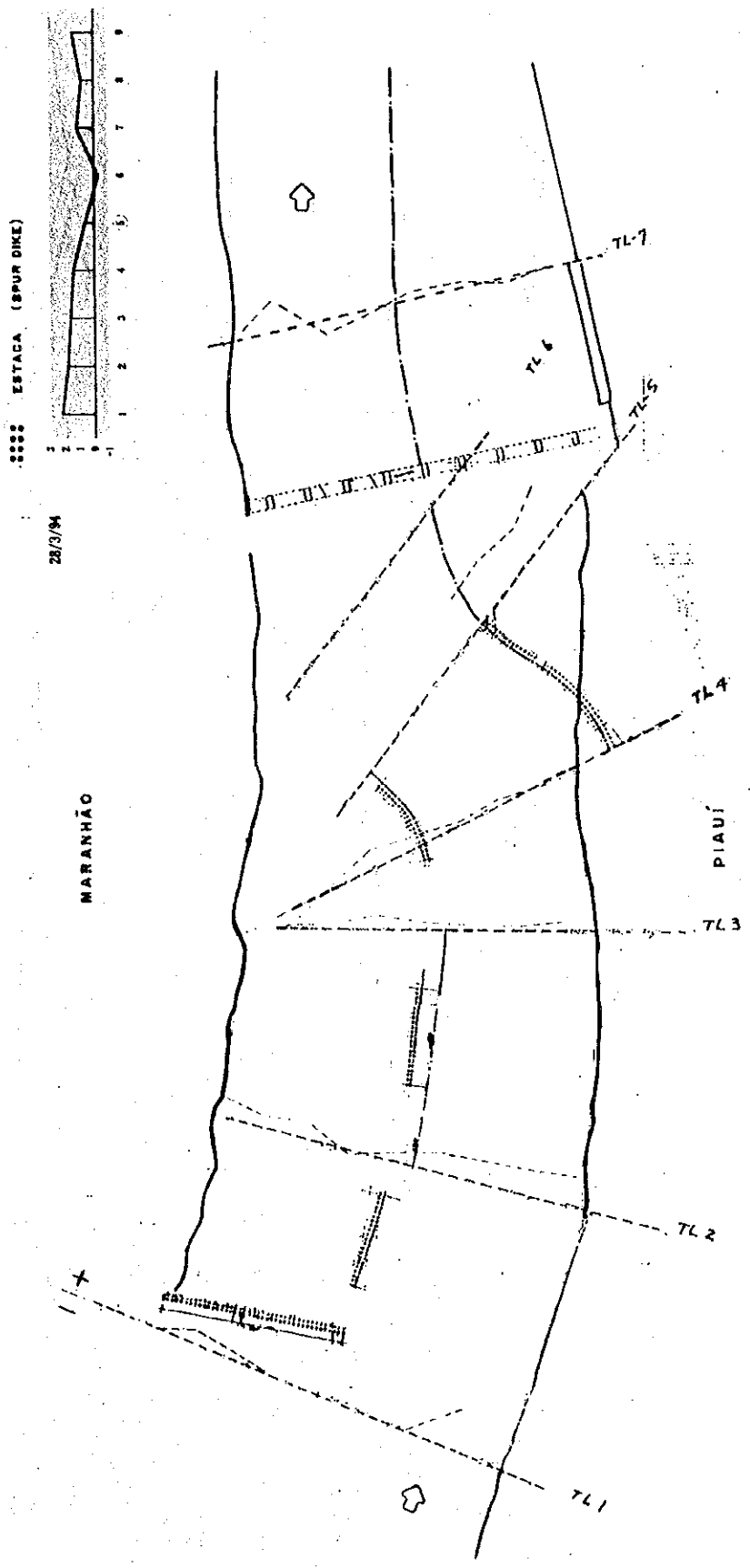
Data : 16/3 , 1994



TERESINA - PI.

ESC. 1:5000

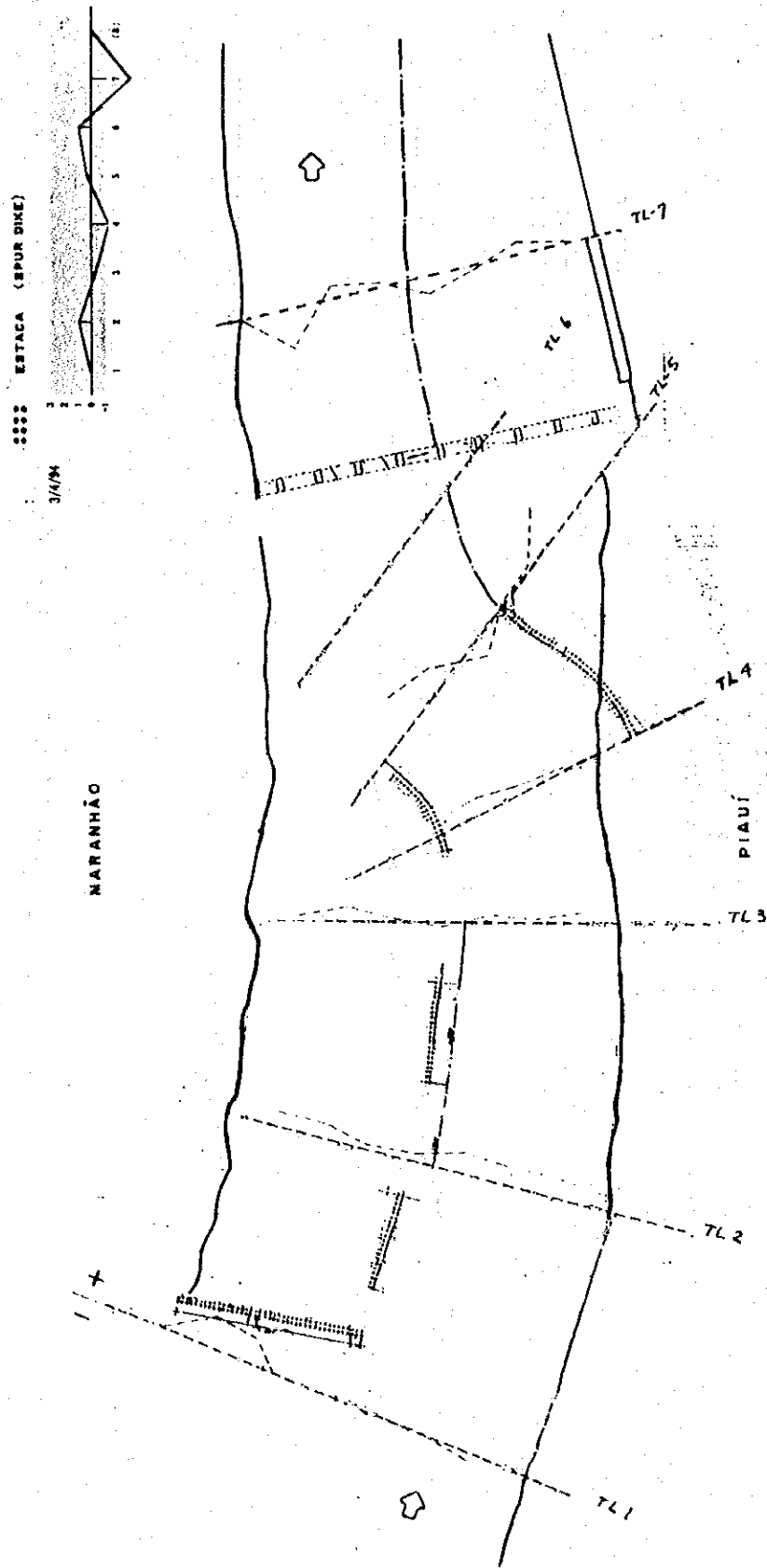
Date : 28/3 , 1994



TERESINA - PI.

ESC. 1:5000

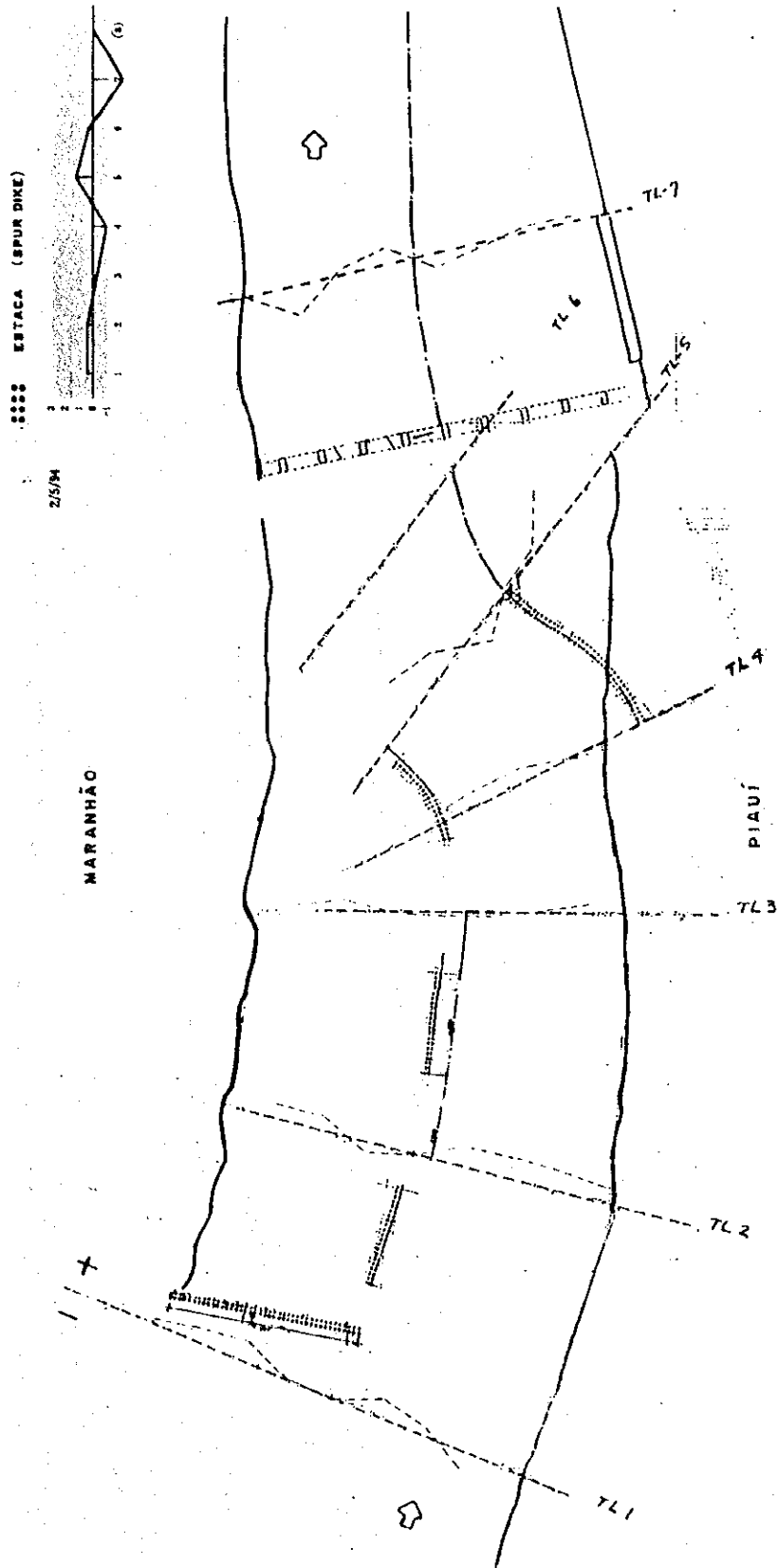
Date : 30/4 , 1994



TERESINA - PI.

ESC. 1:5000

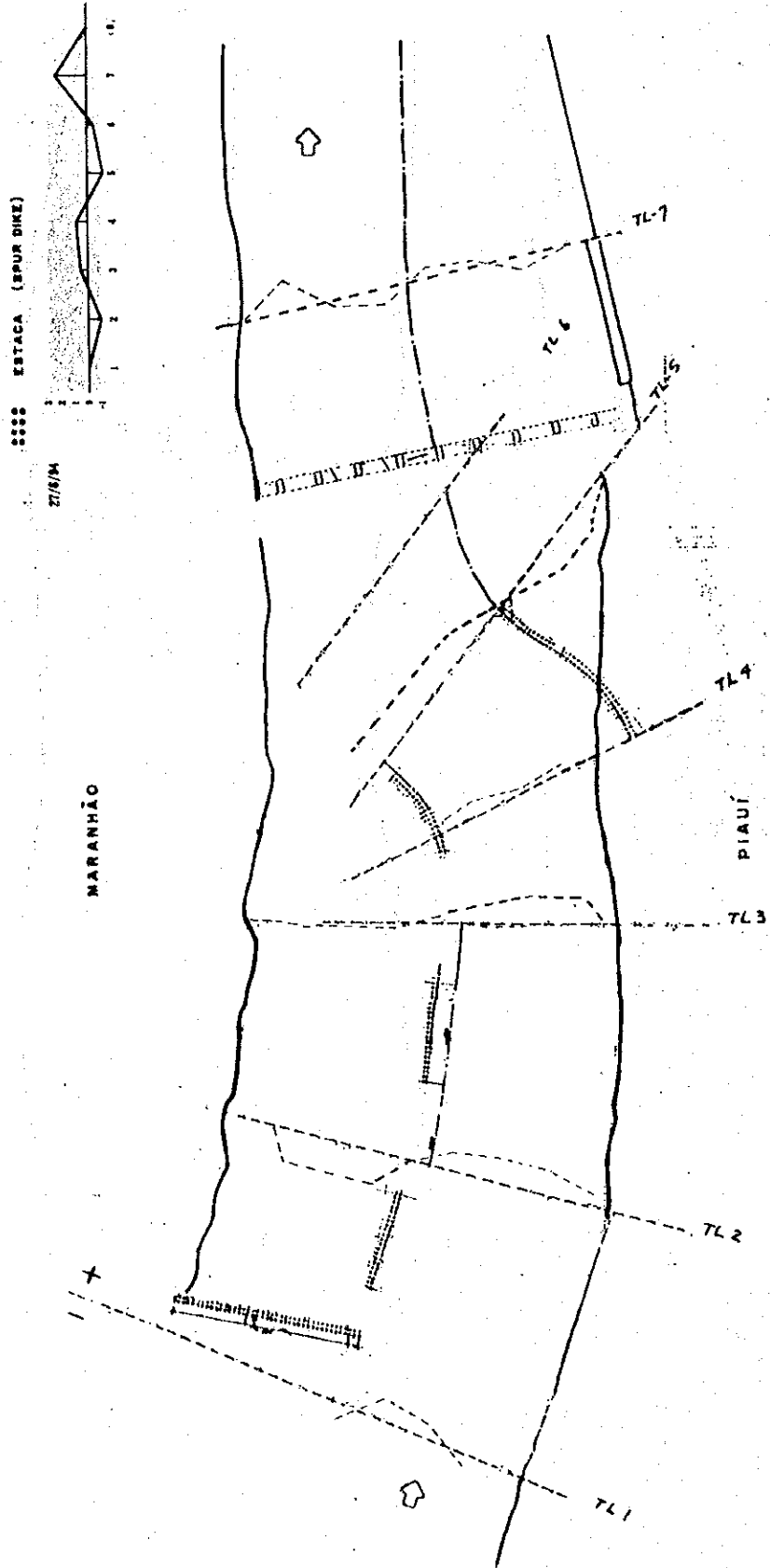
Date : 20/5 , 1994



TERESINA - PI.

ESC. 1:5000

Date : 27/6 , 1994



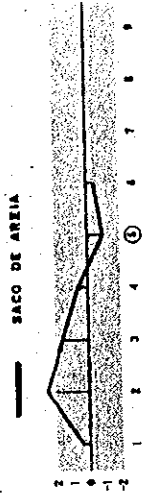
Bed Condition of Scouring/Sedimentation

Uniao

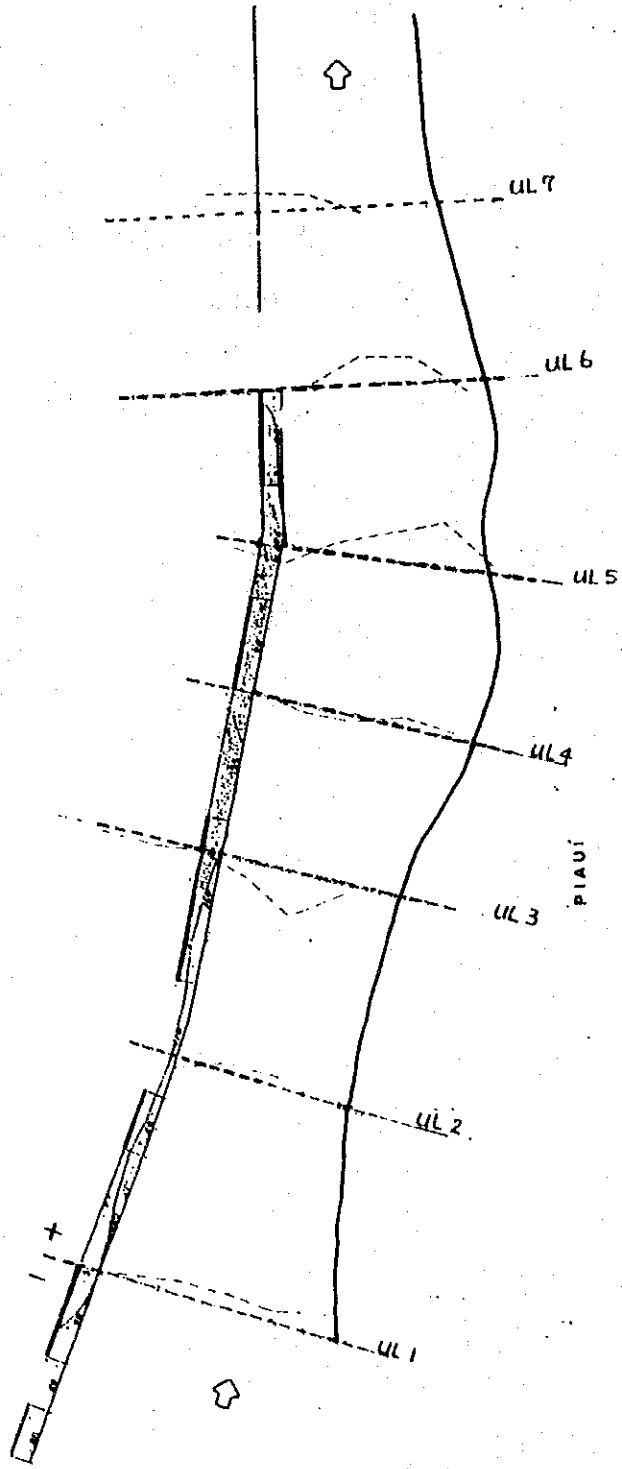
UNIÃO - PI.

ESC. 1:5000

Date : 05/2 , 1994



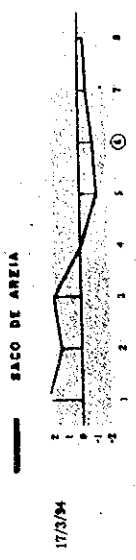
MARANHÃO



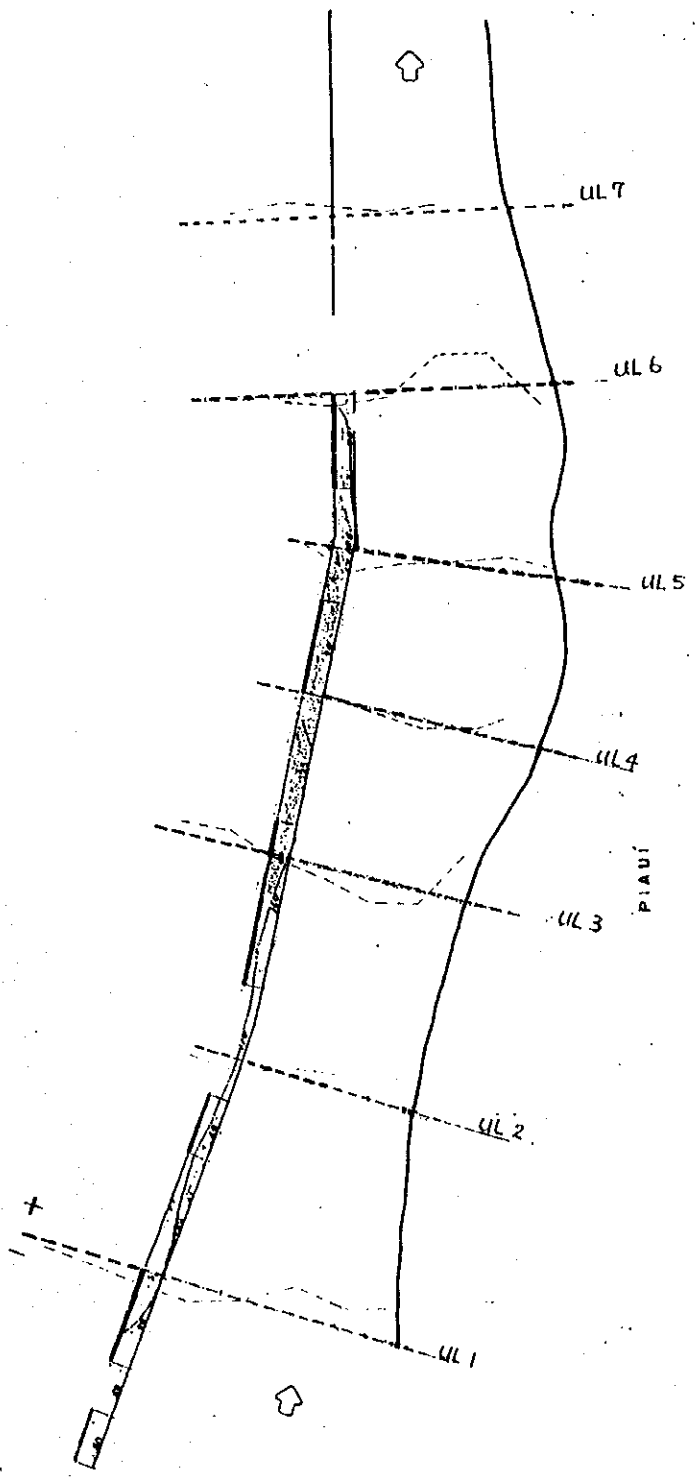
UNIÃO - PI.

Esc 1:5000

Date : 17/3 , 1994



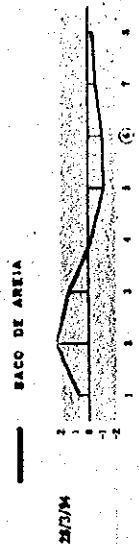
MARANHÃO



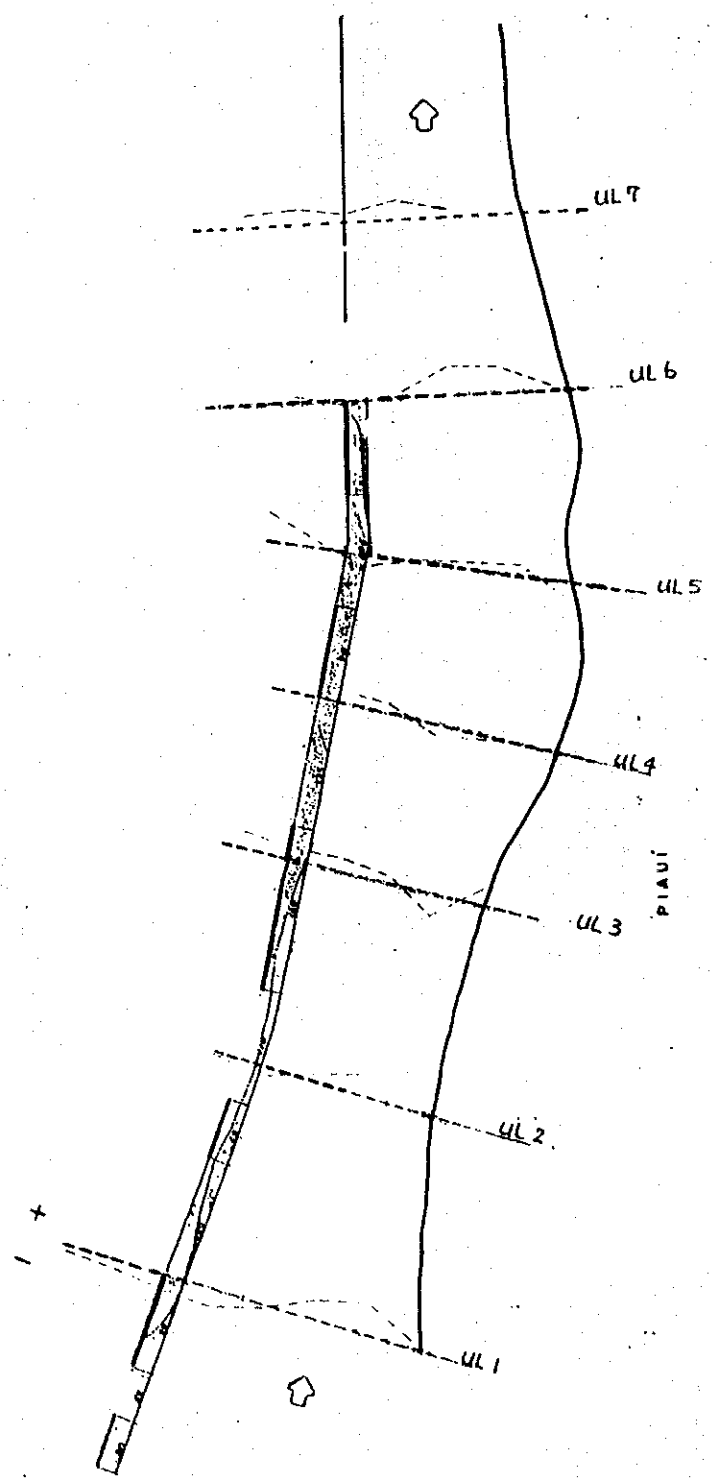
UNIÃO - PI.

ESC 1:5000

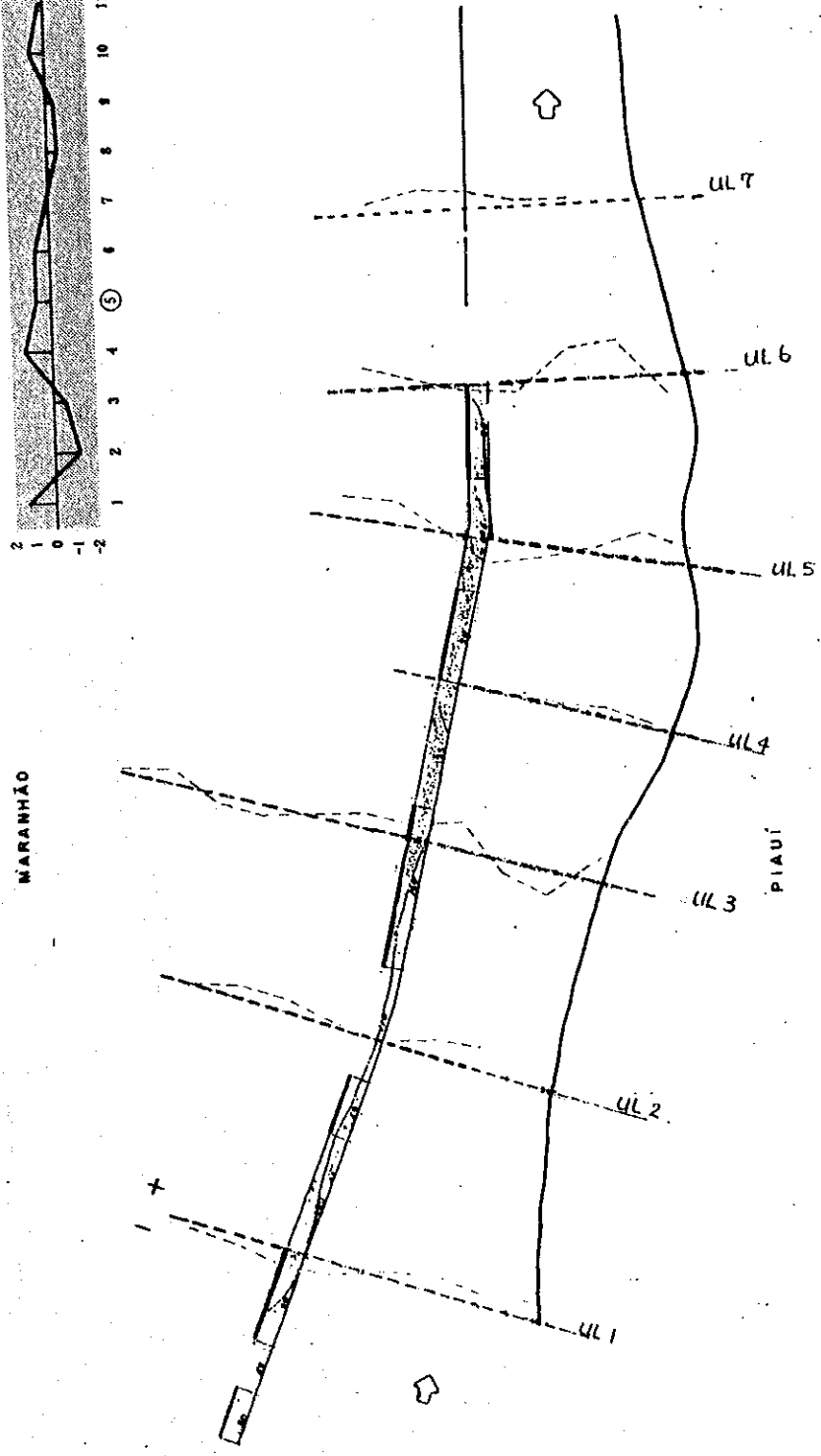
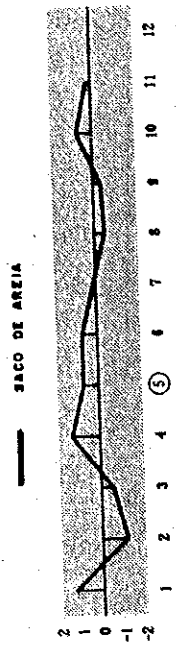
Date : 28/3 , 1994



MARANHÃO



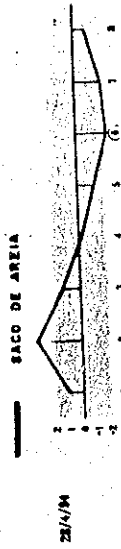
UNIÃO - PI.
ESC. 1:5000
Date : 03/4 , 1994



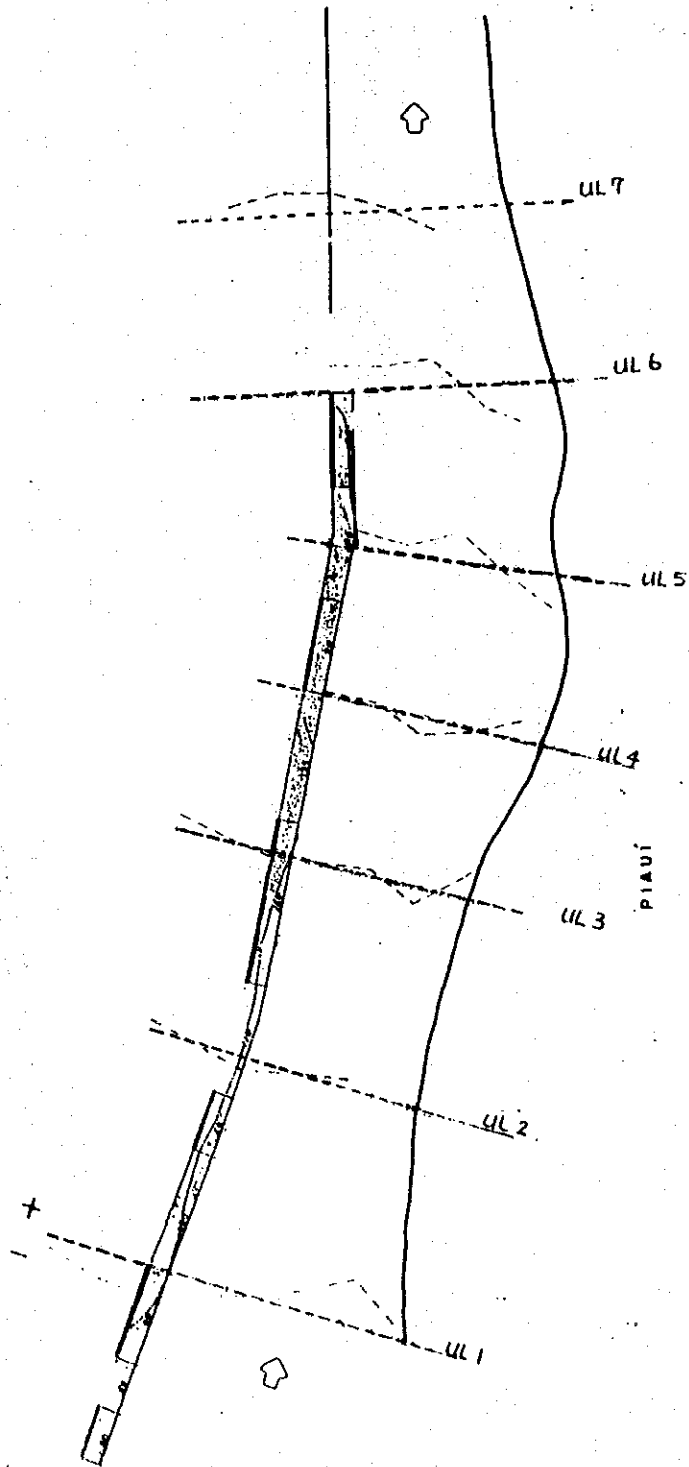
UNIÃO - PI.

ESC 1:5000

Date : 28/4 , 1994



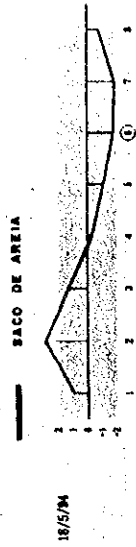
MARANHÃO



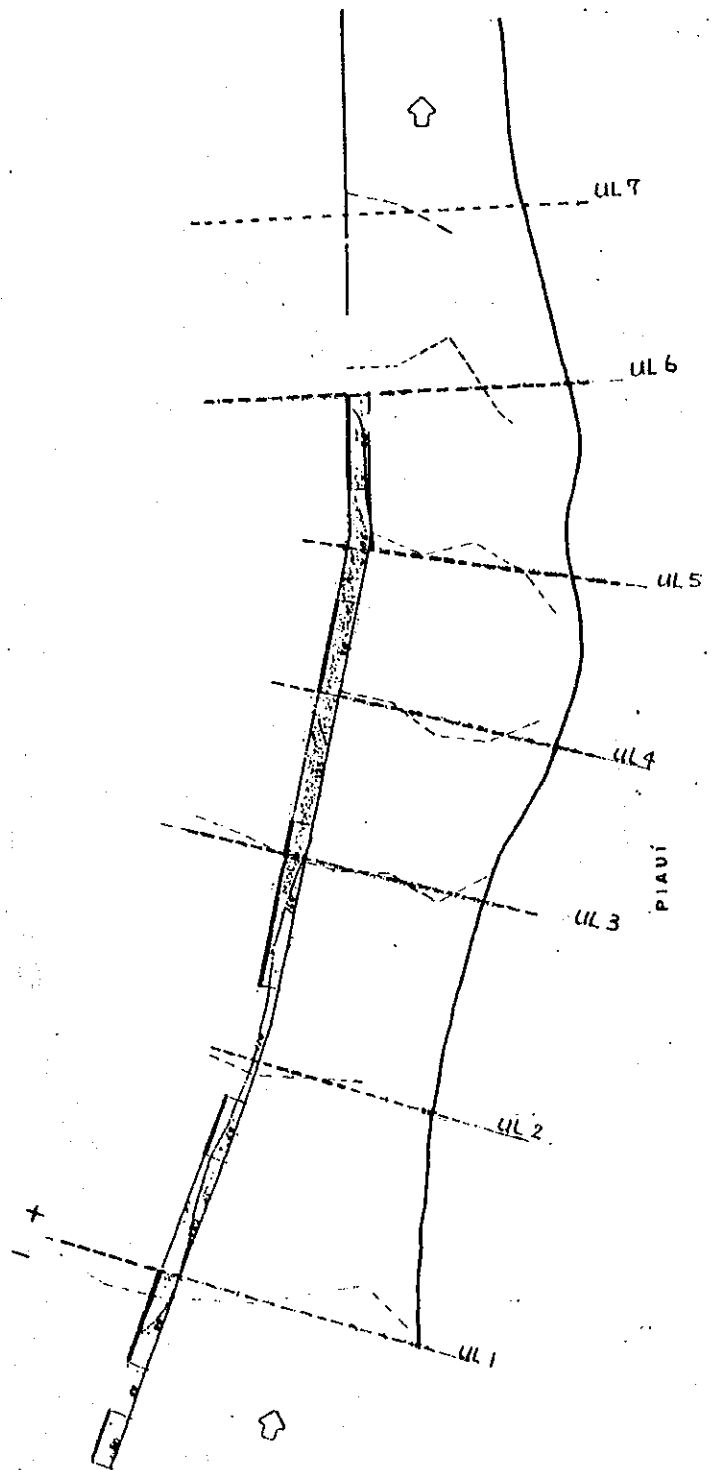
UNIÃO - PI.

ESC 1:5000

Date : 18/5 , 1994



MARANHÃO



UNIÃO - PI.

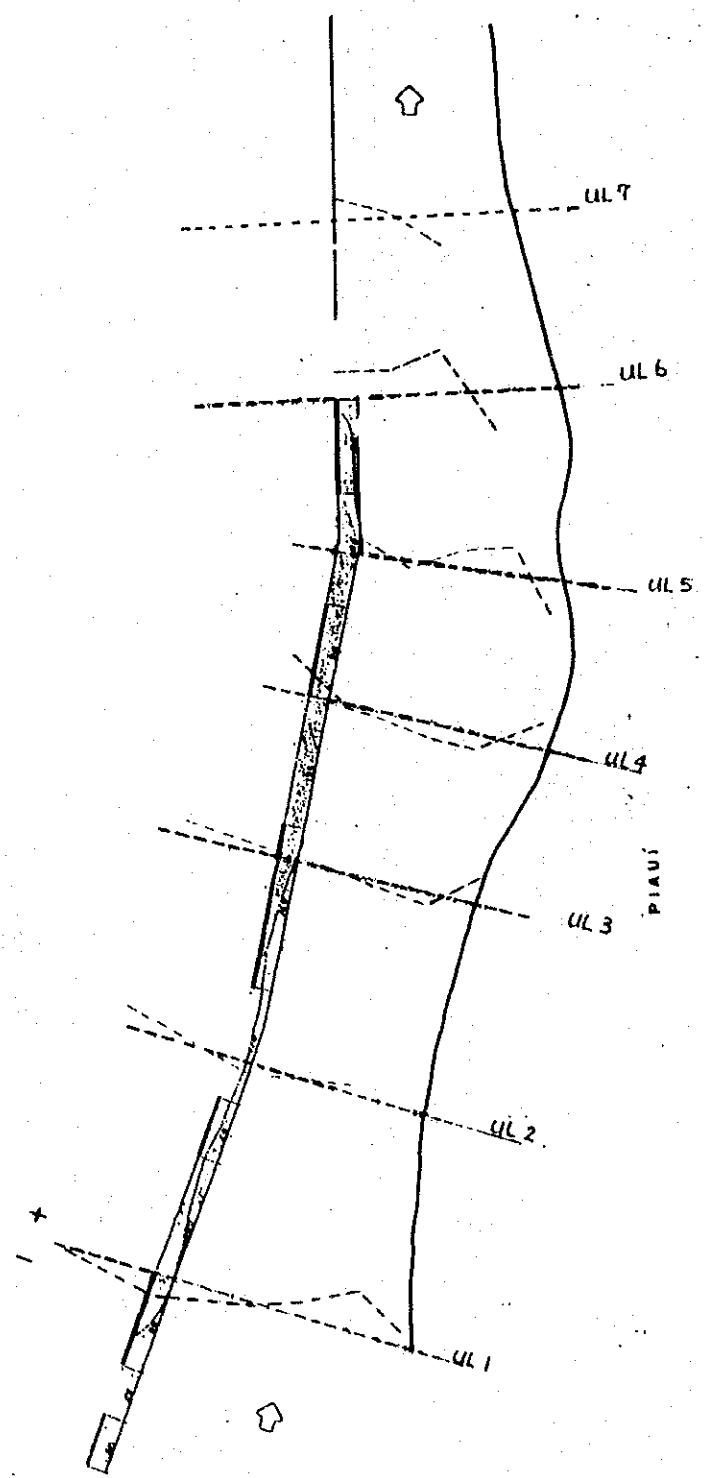
ESC. 1:5000

Date : 29/6 , 1994



MARANHÃO

PIAUI



Bed Condition of Scouring/Sedimentation

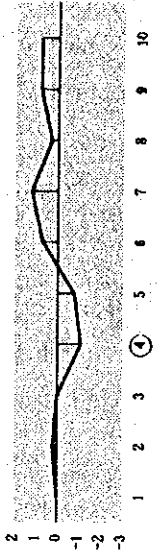
Buriti dos Lopes

7/2/94

BURITI DOS LOPES - PI.

ESC. 1:5000

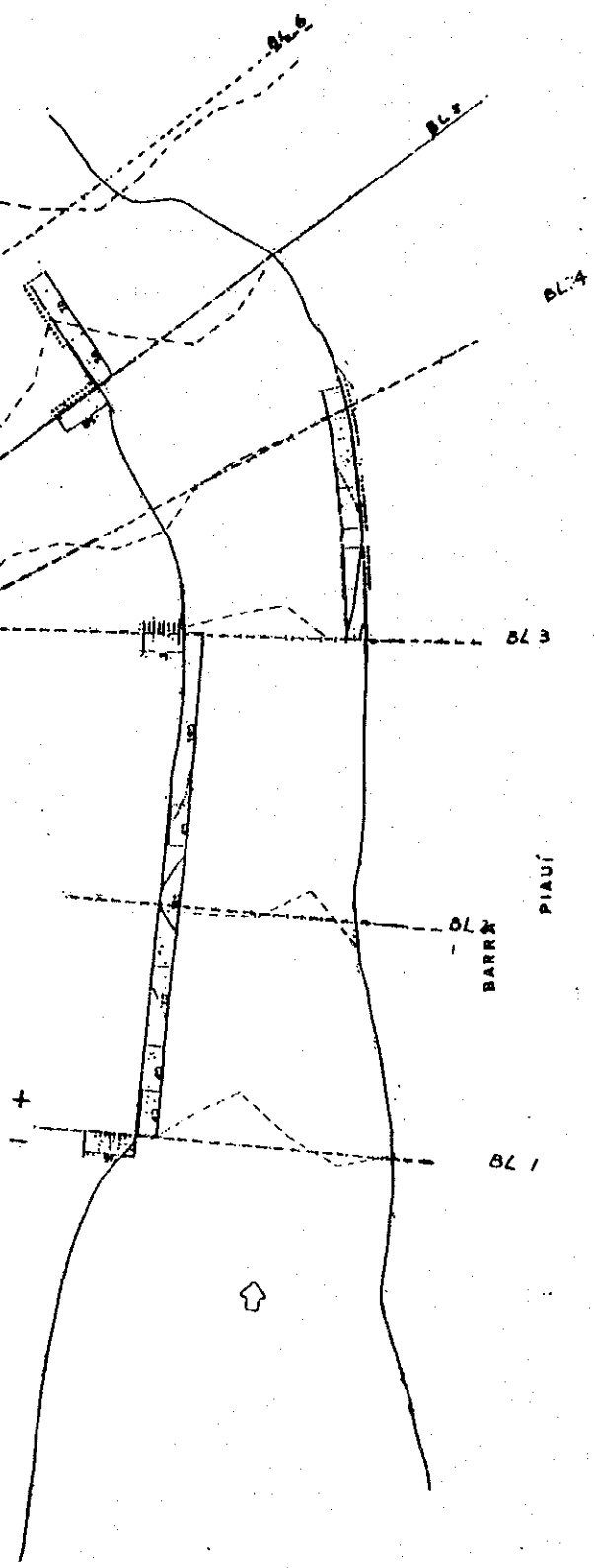
Date : 07/2 , 1994



○○○○ ESTACA (SPUR DIKE)
 ——— SACO DE AREIA

MARANHÃO

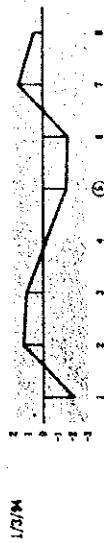
PIAUI



BURITI DOS LOPES - PI.

ESC. 1:5000

Date : 01/3 , 1994



ESTACA (SPUR DIKE)
SACO DE AREIA

MARANHÃO

BARRA
PIAUÍ

BL 1

BL 2

BL 3

BL 4

BL 5

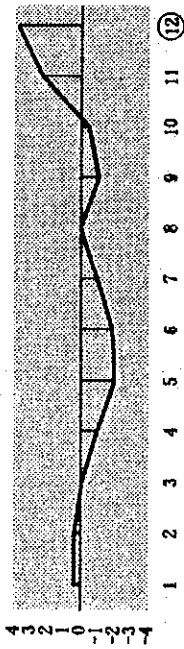
BL 6

25/3/94

BURITI DOS LOPES - PI.

Esc. 1:5000

Date : 24/3 , 1994



ESTACA (SPUR DIKE)
SACO DE AREIA

MARANHÃO

PIAUI

BARRA

178

70

E 78

BL 4

BL 3

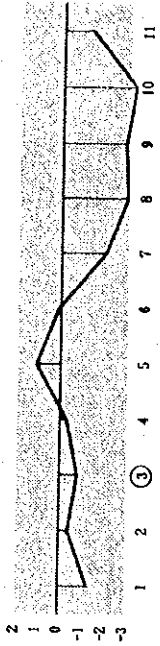
BL 6

26/4/94

BURITI DOS LOPES - PI.

Esc. 1:5000

Date : 26/4 , 1994



ESTACA (SPUR DINE)
SACO DE AREIA

MARANHÃO

PIAUI

BARRA 70

178

878

BL-4

BL-6

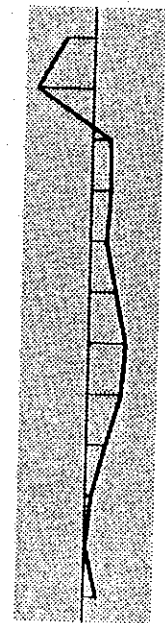
BL-5

17/5/94

BURITI DOS LOPES - PI.

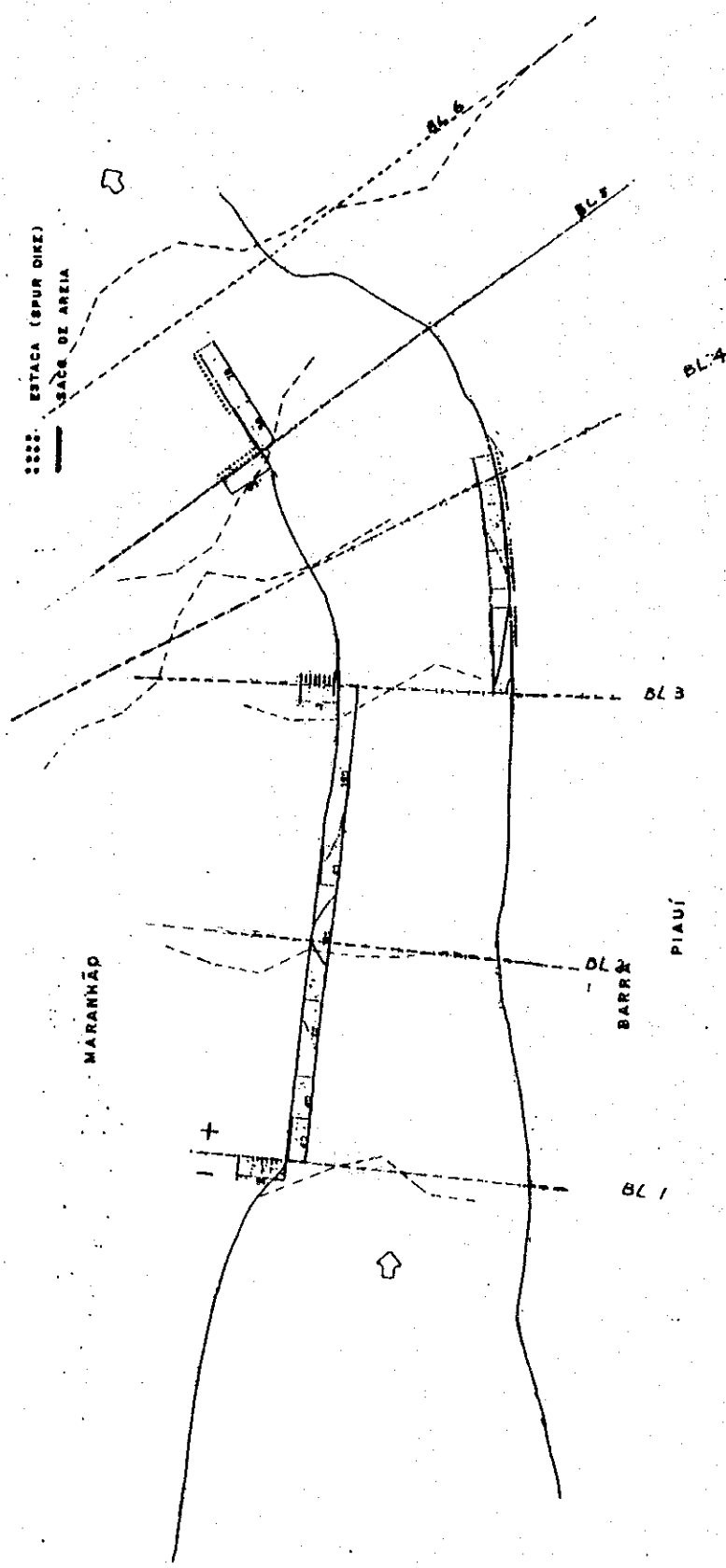
Esc. 1:5000

Date : 17/5 , 1994



1 2 3 4 5 6 7 8 9 10 11 12

ESTACA (SPUR DIRE)
SACB DE AREIA



BURITI DOS LOPES - PI.

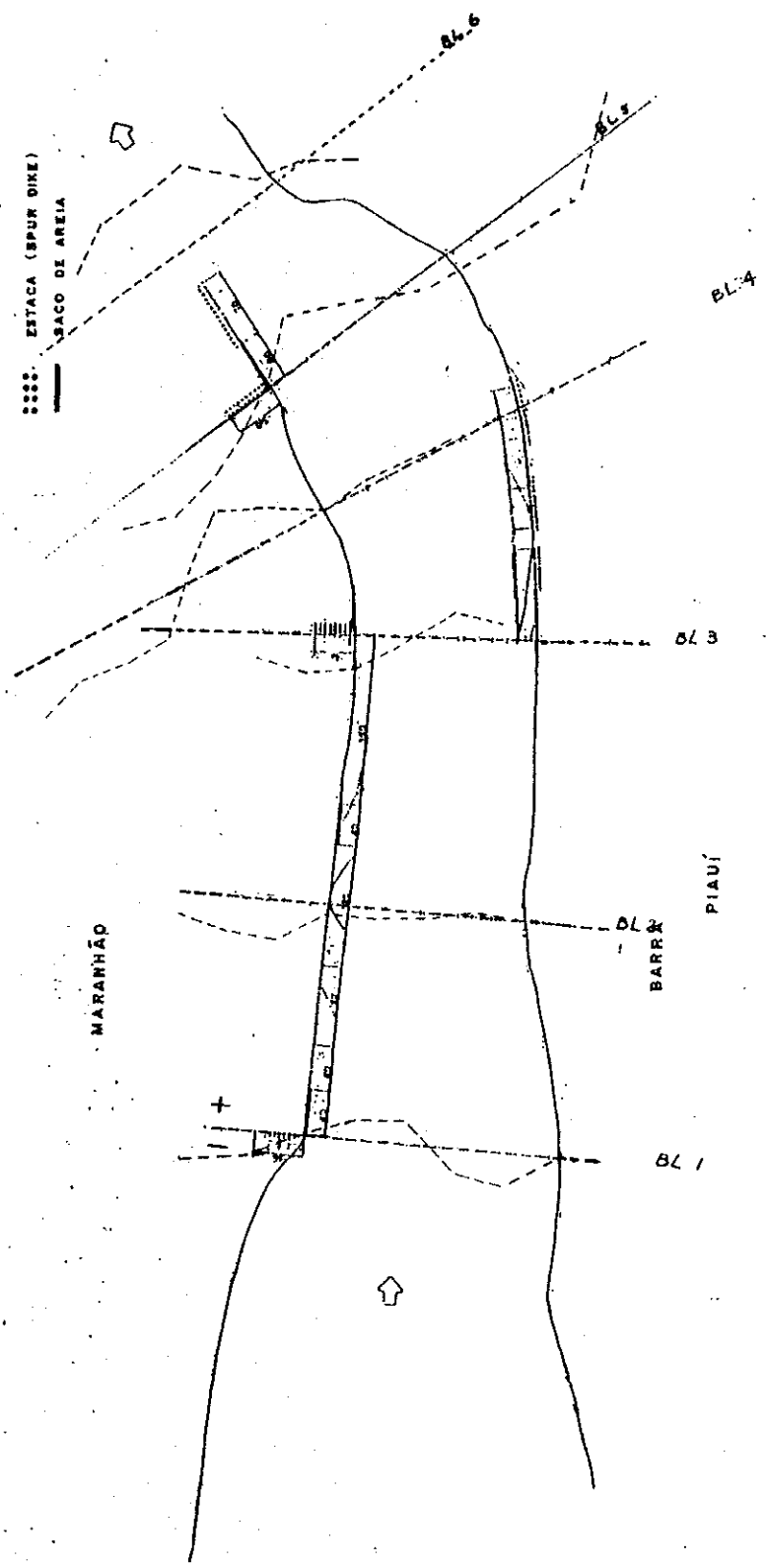
ESC. 1:5000

Date : 01/7 , 1994



1/11/94

ESTACA (SPUR DIKE)
BACO DE AREIA



MARANHÃO

DL 2
BARRA

PIAUI

DL 1

DL 3

DL 4

DL 6

DL 5