

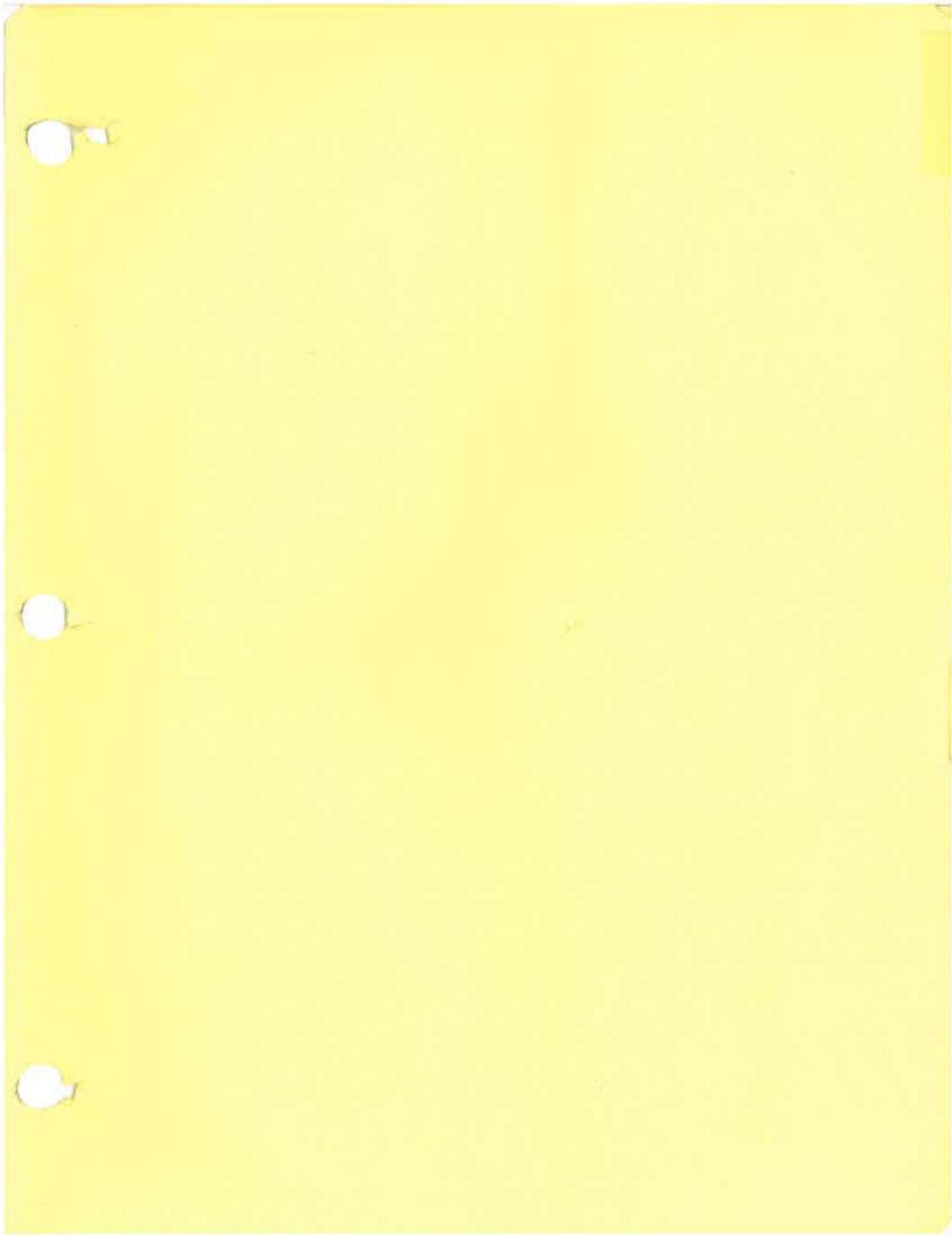


GILA BEND AREA FLOODPLAIN DELINEATION STUDY

Project 11358: GILA BEND F.I.S.

FCD 90-67

Photographs: Reach Route Cross Sections, Basins 4-6



INFILTRATION/TRANSMISSION LOSS SAMPLE ARIZONA DEPARTMENT OF WATER RESOURCES FLOOD MANAGEMENT SECTION	DATE: <u>9/15/91</u> COLLECTOR: <u>TRL</u> SAMPLE ID#: <u>4B1</u>
---	---

LOCATION: 4B1, 4200' D/S of CP26
Sheet 8 PS 7

CHANNEL NAME: R26-27

QUAD NAME:
 _____ 1/4 Section _____, T _____, R _____

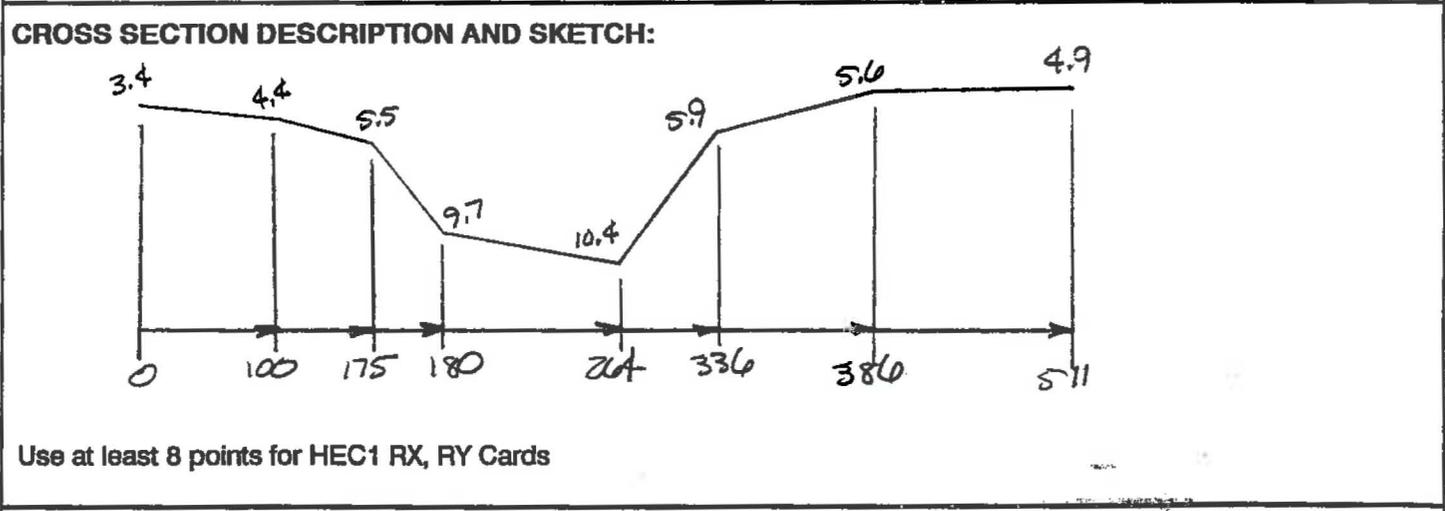
COUNTY:

APPROXIMATE ELEVATION (MSL):

Property of
 Flood Control District of Maricopa County
 Please Return to
 2801 W. Durango
 Phoenix, AZ 85009

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom) *Channel Bed Soils = Tharely sand*
 First Level (top 24 inches) *some 6" 8" Ebbles.*
 Second Level (24-48 inches) *O/B = silt*
 Third Level (48-72 inches)
 Other - Description: _____
 Armoring : Yes No Sizes _____ Depth _____ Thickness _____



MANNING'S "N" VALUE NOTES:

Left: _____

Channel: _____

Right: _____

SAMPLE ID#: 4B1
TOR: TRL

DATE: 9/15/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RC-15



PHOTOGRAPH #2: Downstream from Site RC-14



SAMPLE ID#: 4B-1 DATE: 9/15/91 COLLEC-
TOR: JRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank *RC-P16*



PHOTOGRAPH #4: Right Channel Bank and Right Overbank *RC-P18*



SAMPLE ID#: 4B1
TOR: TRL

DATE: 9/15/91

COLLEC-

PHOTOGRAPH #5: Wash showing Sample Area - Cut in Left Bank RC-P19



PHOTOGRAPH #6: Close-up of Sample Hole and Identified Layers Left Bank RC-P20



SAMPLE ID#: 4B1 DATE: 9/15/91 COLLECTOR: TRL

VEGETATION DESCRIPTION:

8 8 8 5 5 6
0-8 12-20 37-45 49-54 77-88 86-92

40%

ADDITIONAL NOTES:

High Water Indications: Debris at ✓ feet deep, Left _____ Right 4' (old storm)
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____

VCD - RC-PT7



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/15/91

COLLECTOR: TRL

SAMPLE ID#: 4C1

LOCATION: 4C1, 2100 D/S of CP21
Sheet 8, Pg 5

CHANNEL NAME: R27-

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

 Sediment Modeling (top 3 inches of wash bottom)

 First Level (top 24 inches)

 Second Level (24-48 inches)

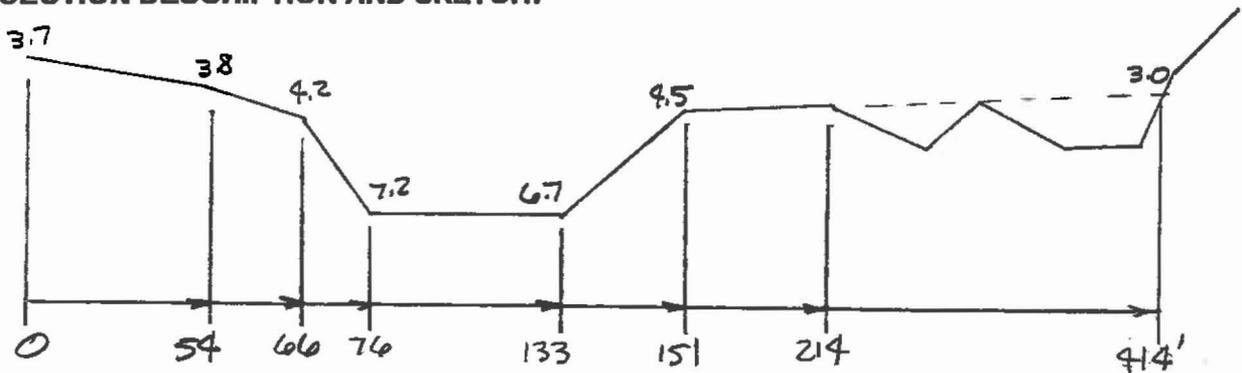
 Third Level (48-72 inches)

 Other - Description:

 Armoring : Yes No Sizes Depth Thickness

*Channel Bed = Gravelly Sand
Left O/B = Brown Silt
Right O/B = Flood plain, gravel, cobbles, silt.*

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S "N" VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 4C1

DATE: 9/15/91

COLLEC-

TOR: JRL

PHOTOGRAPH #1: Upstream from Sample Site RC-P3



PHOTOGRAPH #2: Downstream from Site RC-P2



SAMPLE ID#: 4C-1 DATE: 9/15/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank *RC-P4*



PHOTOGRAPH #4: Right Channel Bank and Right Overbank *RC-P5*



SAMPLE ID#: 4C1 DATE: 9/15/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION: No Picture Taken

Segment Range	Count
0-2	6
2-8	2
8-10	3
10-12	4
12-17	1
17-20	1
20-24	8
24-28	11
28-31	5
31-32	3
32-34	1
34-35	1
35-47	8
47-55	11
55-67	5
67-78	3
78-85	5
85-90	3
90-93	3
93-96	3

44%

ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____

Bank Scour _____ feet deep, Left _____ Right _____

None observed X

INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/15/91

COLLECTOR: TRL

SAMPLE ID#: 4G1

LOCATION: 4G1, 3700' u/s of CP 23
Sheet 8, Pg. 5

CHANNEL NAME: R21-23

QUAD NAME:

 1/4 Section , T , R

COUNTY:

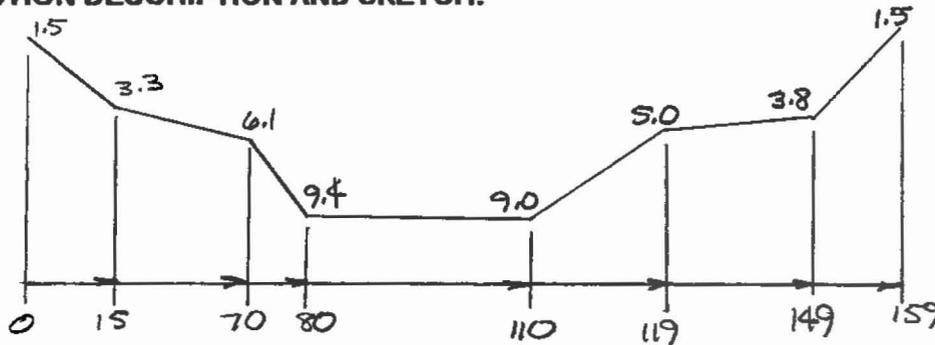
APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

- Sediment Modeling (top 3 inches of wash bottom)
- First Level (top 24 inches)
- Second Level (24-48 inches)
- Third Level (48-72 inches)
- Other - Description:
- Armoring : Yes No Sizes Depth Thickness

Bed Soils are very gravelly sands, brown & black in color with very large cobbles, Typical.

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 45L
TOR: TRL

DATE: 9/15/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RB-P20



PHOTOGRAPH #2: Downstream from Site RB-P19



SAMPLE ID#: 4G1 DATE: 9/15/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RB-P21

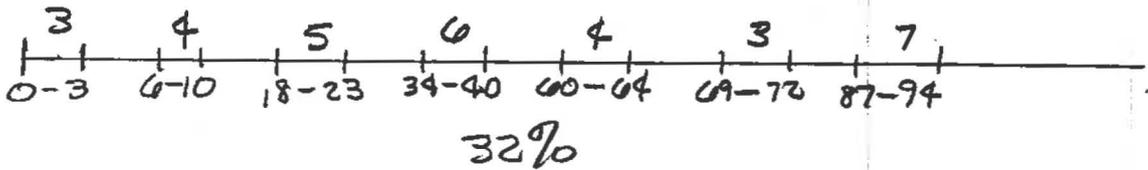


PHOTOGRAPH #4: Right Channel Bank and Right Overbank RB-P22



SAMPLE ID#: 461 DATE: 9/15/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES: Very Recent Storm (9/4/91?)

High Water Indications: Debris at Shot 4.1 Rk feet deep, Left _____ Right 4.9'
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____

VCD, RB-P23



SAMPLE ID#: 462
TOR: TRL

DATE: 9/15/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RB-P14



PHOTOGRAPH #2: Downstream from Site RB-P13



SAMPLE ID#: 462 DATE: 9/15/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank *RB-P15*



PHOTOGRAPH #4: Right Channel Bank and Right Overbank *RB-P16*



SAMPLE ID#: 462 DATE: 9/15/91 COLLEC-
TOR: TRL

PHOTOGRAPH #5: ~~Wash showing Sample Area~~ RB-P17 *Vegetation Cover*



PHOTOGRAPH #6: ~~Close up of Sample Hole and Identified Layers~~

SAMPLE ID#: 462 DATE: 9/15/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:

0 | 10 | 5 | 3 | 3 | 7 | 5
9-19 | 32-37 | 39-42 | 46-49 | 64-71 | 77-82

33%

ADDITIONAL NOTES: Very Recent Debris - 9/4/91?

High Water Indications: Debris at Shot 4.8 feet deep, Left 6' Right 7.2'

Bank Scour _____ feet deep, Left _____ Right _____

None observed _____

RB-P18 Left Bank Debris



SAMPLE ID#: 4J-1 DATE: 9/14/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site RB-P5



PHOTOGRAPH #2: Downstream from Site RB-P4



SAMPLE ID#: 45-1 DATE: 9/14/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RB-3

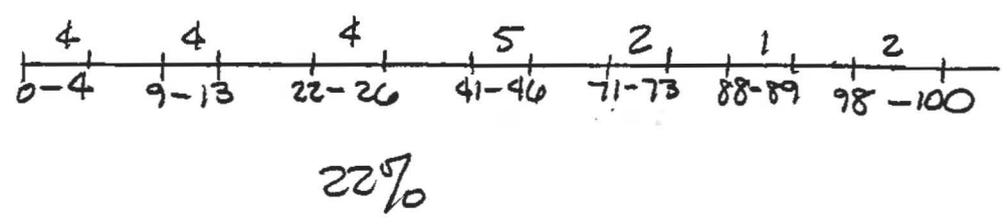


PHOTOGRAPH #4: Right Channel Bank and Right Overbank RB-16



SAMPLE ID#: 4J-1 DATE: 9/14/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/21/91

COLLECTOR: TRL

SAMPLE ID#: 4K1

LOCATION: 4K1, S. 800' D/S of CP29
Sheet 5 PG 20

CHANNEL NAME: R29-31

QUAD NAME:

1/4 Section _____, T _____, R _____

COUNTY:

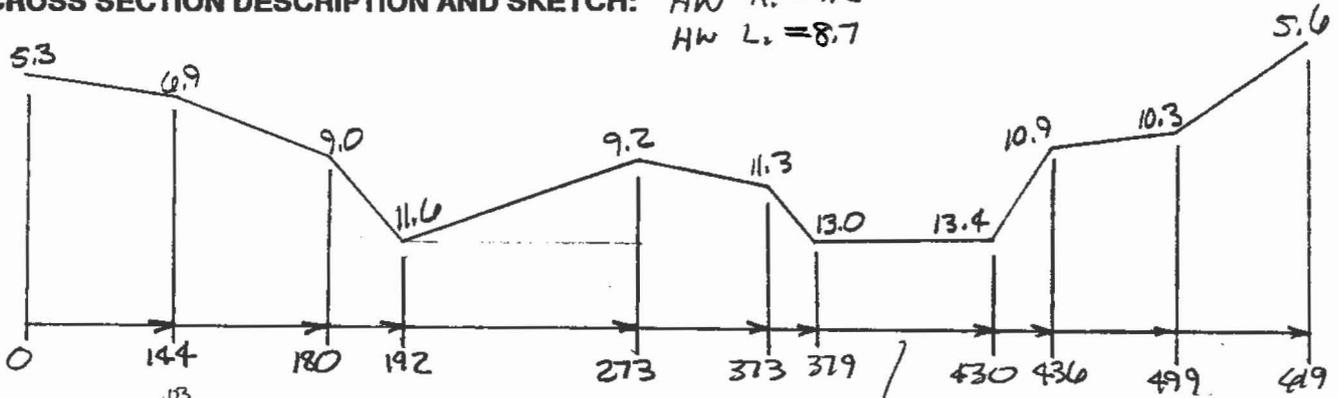
APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

- Sediment Modeling (top 3 inches of wash bottom)
- First Level (top 24 inches)
- Second Level (24-48 inches)
- Third Level (48-72 inches)
- Other - Description:
- Armoring: Yes No Sizes _____ Depth _____ Thickness _____

Channel Bed = Very gravelly sand, 12" cobbles
R o/B = Silt
L o/B = Very gravelly sand to elev. 6.9, Above 6.9 = gravelly silty sand

CROSS SECTION DESCRIPTION AND SKETCH: HW R. = 9.2
HW L. = 8.7

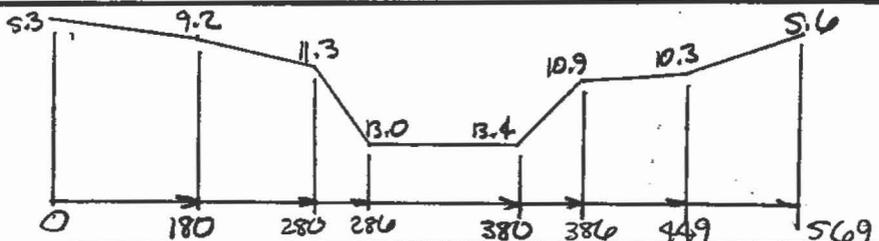


Use at least 8 points for HEC1 RX, RY Cards

increase main channel by 43' to account for triangular area

MANNING'S 'N' VALUE NOTES:

Left:
Channel:
Right:



SAMPLE ID#: 4K1 DATE: 9/2/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site RH-P2



PHOTOGRAPH #2: Downstream from Site PH-P2



SAMPLE ID#: 4K1 DATE: 9/24/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RH-P5 (Debris)



PHOTOGRAPH #4: Right Channel Bank and Right Overbank RH-P4



SAMPLE ID#: 4k1 DATE: 9/21/91 COLLEC-
TOR: TR1

PHOTOGRAPH #5: Wash showing Sample Area *RH-P6*



PHOTOGRAPH #6: Close-up of Sample Hole and Identified Layers *RH-P7*



SAMPLE ID#: 4K1

DATE: 9/21/91

COLLEC-

TOR: TRL

LOG

Depth (units)

Sketch

Description

0"-3"

Gravelly Sand (Dry)

3"-14"

Very Gravelly Sand (Moist)

14-17"

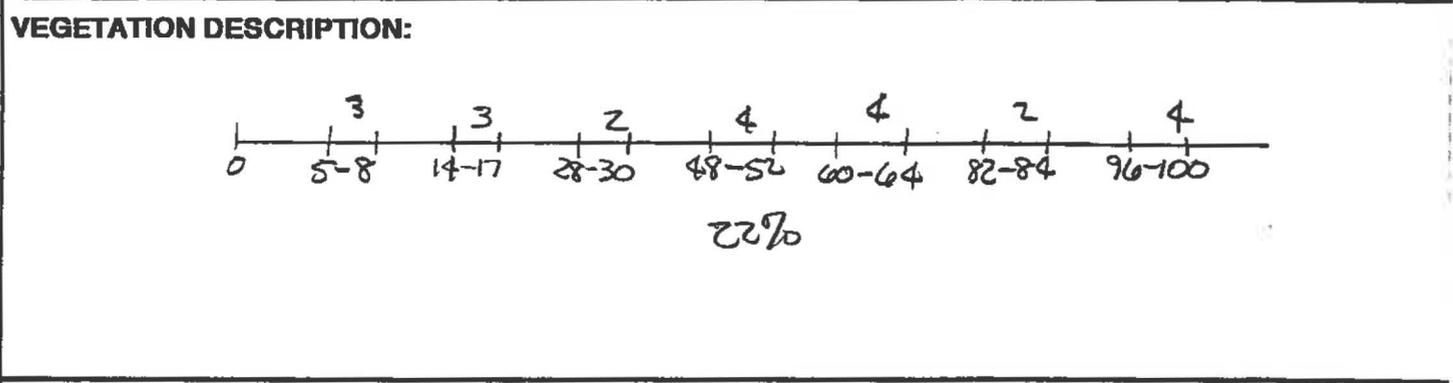
Armoring Layer with 1" to 3" Cobbles (Moist)

17"-20"

Gravelly Silty Sand (Moist)

Note Moisture Conditions and depths as well as any armoring layers and sizes.

SAMPLE ID#: 4H DATE: 9/21/91 COLLEC-
TOR: TRL



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____

VCD RH-PI (Quail)



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/21/91

COLLECTOR: JRL

SAMPLE ID#: 4k2

LOCATION: 4k2 at CP29
Sheet 5 PG 21

CHANNEL NAME: CP29

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

 Sediment Modeling (top 3 inches of wash bottom)

 First Level (top 24 inches)

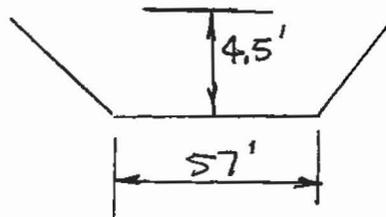
 Second Level (24-48 inches)

 Third Level (48-72 inches)

 Other - Description:

 Armoring : Yes No Sizes Depth Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S "N" VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 4KZ DATE: 9/21/91 COLLEC-
TOR: TR

PHOTOGRAPH #1: Upstream from Sample Site

PHOTOGRAPH #2: Downstream from Site RH-P18



SAMPLE ID#: 4KZ DATE: 9/21/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: ~~Left Channel Bank and Left Overbank~~ RH-P16 *Missile*



PHOTOGRAPH #4: ~~Right Channel Bank and Right Overbank~~ RH-P17 *Big Missile*



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/14/91

COLLECTOR: TRL

SAMPLE ID#: 4L-1

LOCATION: 4L-1 8,500' D/S of CP40
Sheet 5, Pg. 3

CHANNEL NAME: R40-30

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

 Sediment Modeling (top 3 inches of wash bottom)

 First Level (top 24 inches)

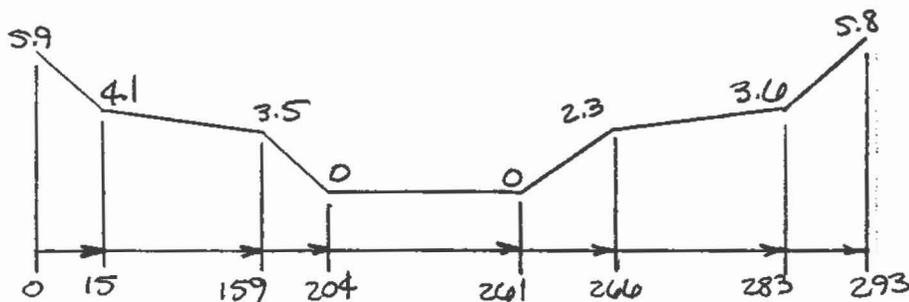
 Second Level (24-48 inches)

 Third Level (48-72 inches)

 Other - Description:

 Armoring : Yes No Sizes Depth Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S "N" VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 4L-1 DATE: 9/14/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site RA-P24



PHOTOGRAPH #2: Downstream from Site RA-P23



SAMPLE ID#: 4L-1 DATE: 9/14/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank *RA-P22*

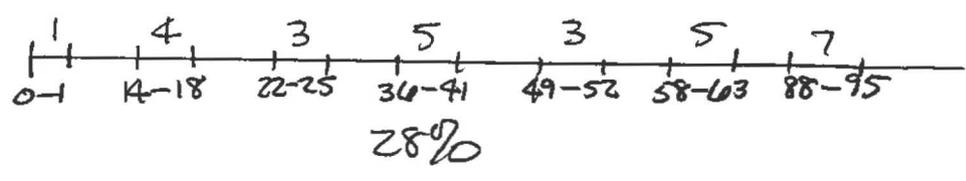


PHOTOGRAPH #4: Right Channel Bank and Right Overbank *RB-P1*



SAMPLE ID#: 4L-1 DATE: 9/14/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____ RB, -P2, VCD



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/15/91

COLLECTOR: TRL

SAMPLE ID#: 4L-2

LOCATION: 4L-2, R25-30, 10,800' D/S of CP 25
Sheet 7, Pg. 4

CHANNEL NAME: R25-30

QUAD NAME:

1/4 Section _____, T _____, R _____

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

First Level (top 24 inches)

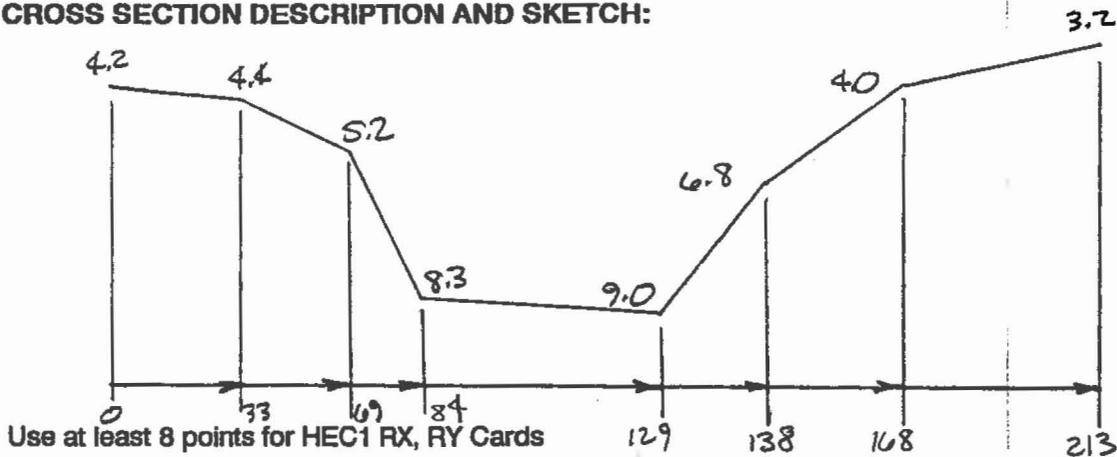
Second Level (24-48 inches)

Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes _____ Depth _____ Thickness _____

CROSS SECTION DESCRIPTION AND SKETCH:



MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 4L2 DATE: 9/15/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site RB-P10



PHOTOGRAPH #2: Downstream from Site RB-P9



SAMPLE ID#: 422 DATE: 9/15/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RB-P8

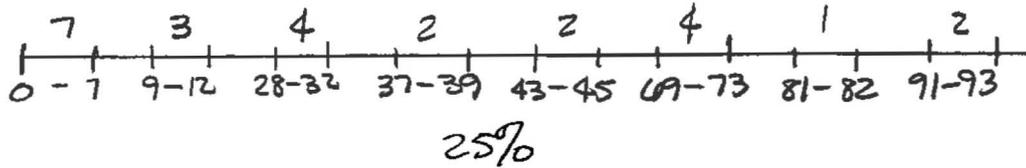


PHOTOGRAPH #4: Right Channel Bank and Right Overbank RB-P11



SAMPLE ID#: 4L2 DATE: 9/15/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed X No Recent Marks

VCD RB-PTZ



SAMPLE ID#: 4L3 DATE: 9/21/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site

PHOTOGRAPH #2: Downstream from Site *RJ-PL*



INFILTRATION/TRANSMISSION LOSS SAMPLE ARIZONA DEPARTMENT OF WATER RESOURCES FLOOD MANAGEMENT SECTION	DATE: <u>9/21/91</u>
	COLLECTOR: <u>JRL</u>
	SAMPLE ID#: <u>4L4</u>

LOCATION: 4L4 S800 u/s of CP30
sheet 5 pg 24

CHANNEL NAME: R40-30

QUAD NAME:
 _____ 1/4 Section _____, T _____, R _____

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

First Level (top 24 inches)

Second Level (24-48 inches)

Third Level (48-72 inches)

Other - Description:

Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness _____

CROSS SECTION DESCRIPTION AND SKETCH:

Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

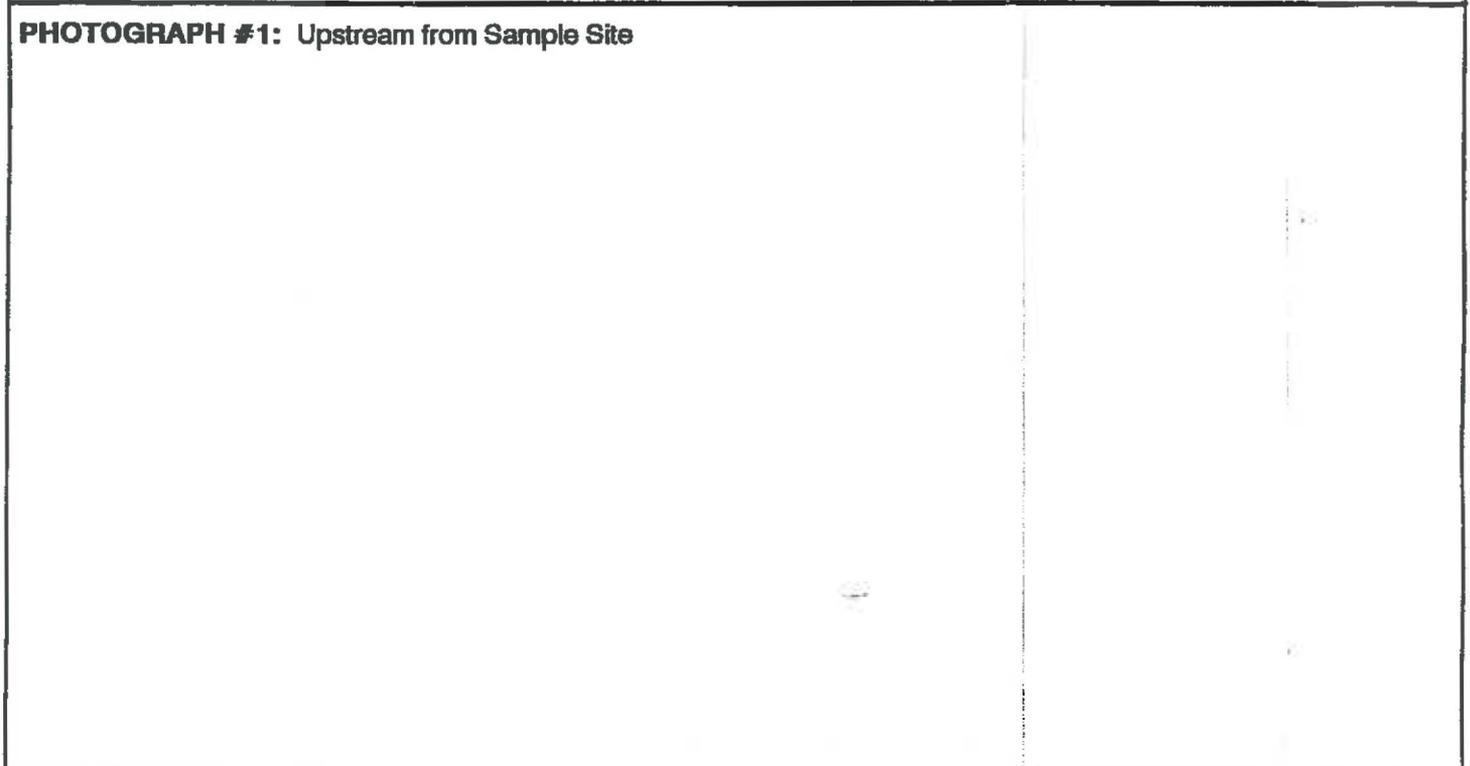
Left:
 Channel:
 Right:

SAMPLE ID#: 464
TOR: TRL

DATE: 9/21/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site



PHOTOGRAPH #2: Downstream from Site R5-P7



INFILTRATION/TRANSMISSION LOSS SAMPLE

DATE: 9/28/91

ARIZONA DEPARTMENT OF WATER RESOURCES

COLLECTOR: TRL

FLOOD MANAGEMENT SECTION

SAMPLE ID#: 4N1

LOCATION: 4N1 9400' U/S of CP33
Page 38

CHANNEL NAME: R32-33

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

 Sediment Modeling (top 3 inches of wash bottom)

 First Level (top 24 inches)

 Second Level (24-48 inches)

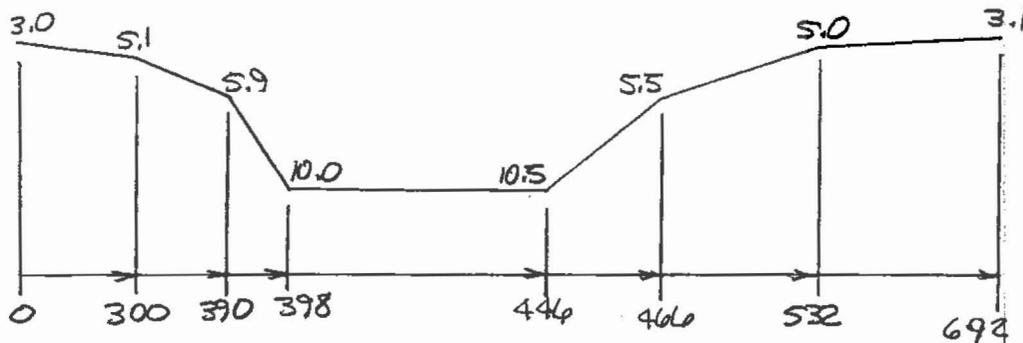
 Third Level (48-72 inches)

 Other - Description:

 Armoring : Yes No Sizes Depth Thickness

*Channel Bed = Gravelly Sand
O/B'S = Sandy Silt*

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 4N1
TOR: TRL

DATE: 9/28/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RN-P7



PHOTOGRAPH #2: Downstream from Site RN-P8



SAMPLE ID#: 4N1 DATE: 9/28/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank *RN-PL0*

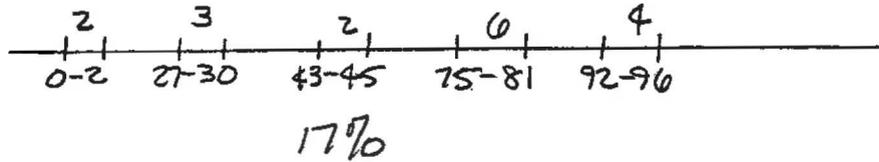


PHOTOGRAPH #4: Right Channel Bank and Right Overbank *RN-P9*



SAMPLE ID#: 4N1 DATE: 9/28/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at Shot = 5.8 feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____

RN-PI0 = VCD



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/22/91

COLLECTOR: TRL

SAMPLE ID#: 4N2

LOCATION: 4N2 20,800' D/S of CP32
Sheet 4, Pg. 27

CHANNEL NAME: R32-33

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

First Level (top 24 inches)

Second Level (24-48 inches)

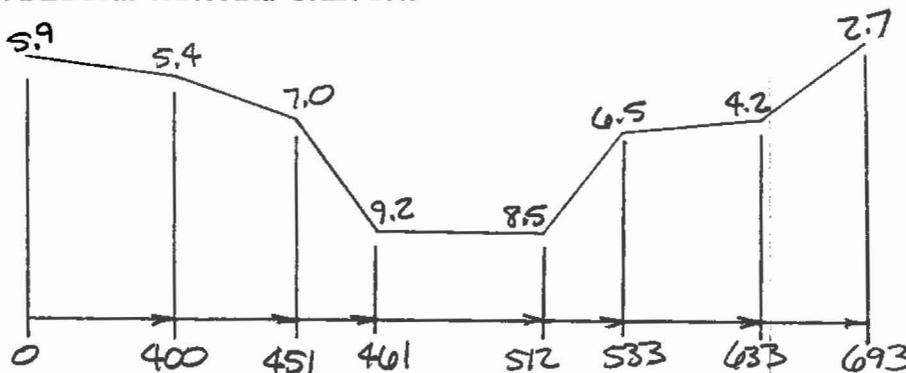
Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes Depth Thickness

*Channel Bed = Cobble Dravelly Sand
O/B = Sandy silt*

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S "N" VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 4N2 DATE: 9/22/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site *RK-P6*



PHOTOGRAPH #2: Downstream from Site *RK-P7*



SAMPLE ID#: 4N2 DATE: 9/22/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank 4K-P9

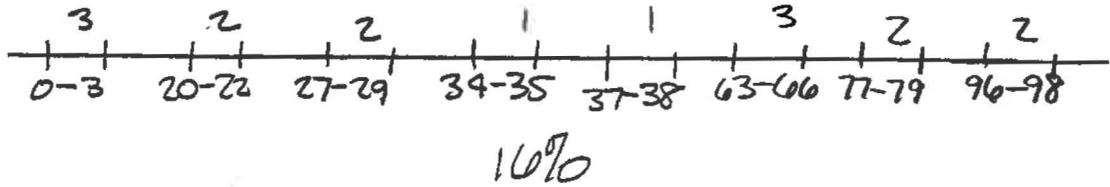


PHOTOGRAPH #4: Right Channel Bank and Right Overbank 4K-P8



SAMPLE ID#: 4N2 DATE: 9/22/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____

Bank Scour _____ feet deep, Left _____ Right _____

None observed X

VCD RK-P10



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/22/91

COLLECTOR: JRL

SAMPLE ID#: 4N3(B)

LOCATION: 4N3(B) 18600' U/S of CP33
Sheet 1 Pg 27

CHANNEL NAME: R32-33

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

First Level (top 24 inches)

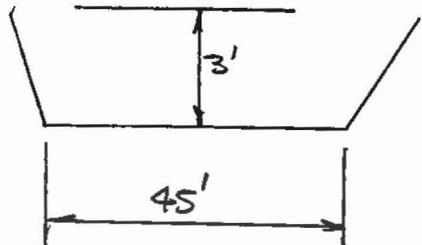
Second Level (24-48 inches)

Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes Depth Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



2 channels, 30' & 15' Base Widths

Use at least 8 points for HEC1 RX, RY Cards

MANNING'S "N" VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 4N3 DATE: 9/22/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site

PHOTOGRAPH #2: Downstream from Site RK-P11



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES

FLOOD MANAGEMENT SECTION

DATE: 9/28/91

COLLECTOR: TRL

SAMPLE ID#: SA1

LOCATION: SA1 7200' U/S of CP35
Sheet 1, Page 38

CHANNEL NAME: R32-35

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

First Level (top 24 inches)

Second Level (24-48 inches)

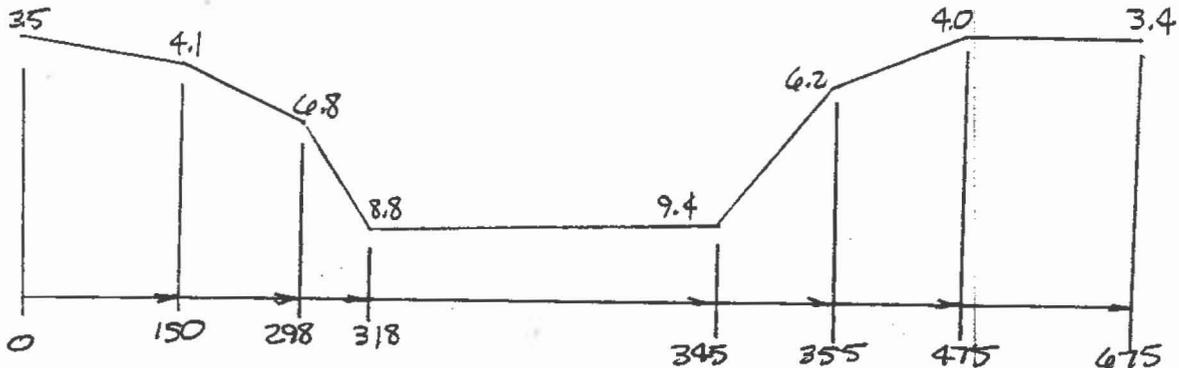
Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes Depth Thickness

*Bed Soil = Very Gravelly Sand
O/B = Sandy Silt*

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: SAL
TOR: TRL

DATE: 9/28/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site *RN-P1*



PHOTOGRAPH #2: Downstream from Site *RN-P2*



SAMPLE ID#: SA1 DATE: 9/28/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank *RN-P3*

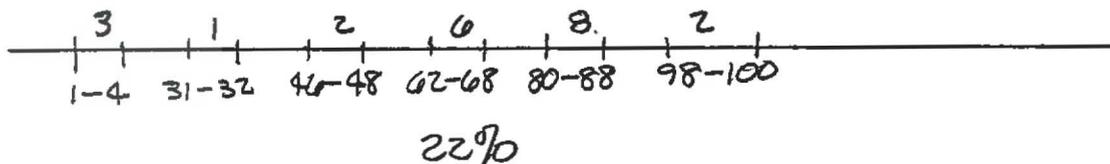


PHOTOGRAPH #4: Right Channel Bank and Right Overbank *RN-P4*



SAMPLE ID#: SAI DATE: 9/28/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at Shot=5.6 feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____

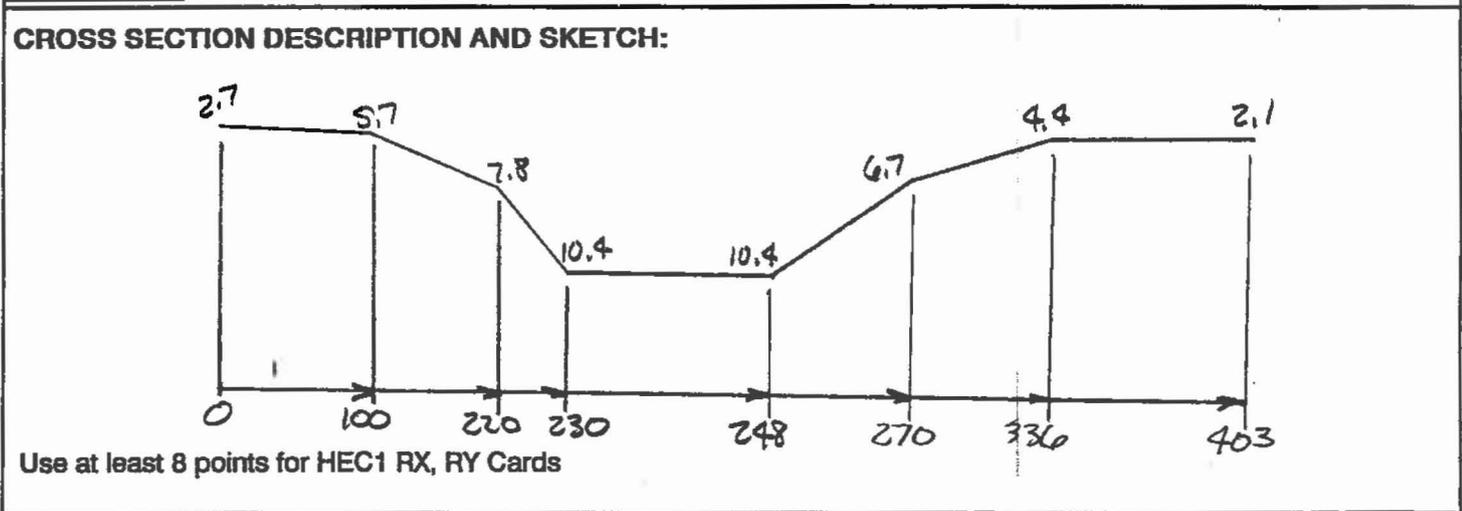
RN-P5 = VCD



INFILTRATION/TRANSMISSION LOSS SAMPLE ARIZONA DEPARTMENT OF WATER RESOURCES FLOOD MANAGEMENT SECTION	DATE: <u>9/22/91</u> COLLECTOR: <u>TRL</u> SAMPLE ID#: <u>SA2</u>
---	---

LOCATION: SA2 18,200' O/S of CP32
 sheet. 4 PG 26
CHANNEL NAME: R32-35
QUAD NAME:
 _____ 1/4 Section _____, T _____, R _____
COUNTY:
APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:
 Sediment Modeling (top 3 inches of wash bottom) *Channel Bed = Coarse Gravelly Sand*
 First Level (top 24 inches) *O/B = Sandy Silt*
 Second Level (24-48 inches)
 Third Level (48-72 inches)
 Other - Description:
 Armoring : Yes No Sizes _____ Depth _____ Thickness _____



MANNING'S 'N' VALUE NOTES:
 Left:
 Channel:
 Right:

SAMPLE ID#: SAZ
TOR: TRL

DATE: 9/22/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RK-P1



PHOTOGRAPH #2: Downstream from Site RK-P2



SAMPLE ID#: SAZ DATE: 9/22/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank *RK-P3*

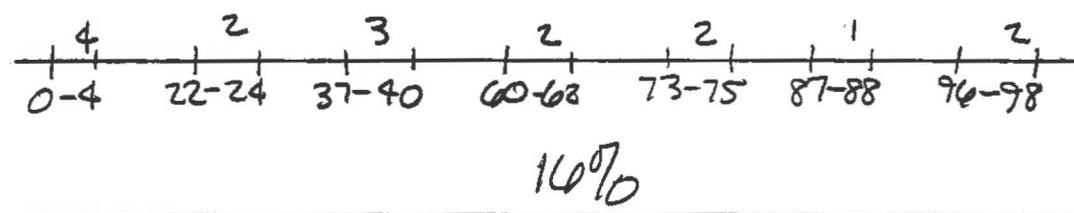


PHOTOGRAPH #4: Right Channel Bank and Right Overbank *RK-P4*



SAMPLE ID#: SAZ DATE: 9/22/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____

VCD RK-PS



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/17/91
COLLECTOR: TRL
SAMPLE ID#: 5B1

LOCATION: 5B1, 5,400' u/s of CP36
Sheet 1 PG 16
CHANNEL NAME: R35-36

QUAD NAME:
____ 1/4 Section _____, T _____, R _____

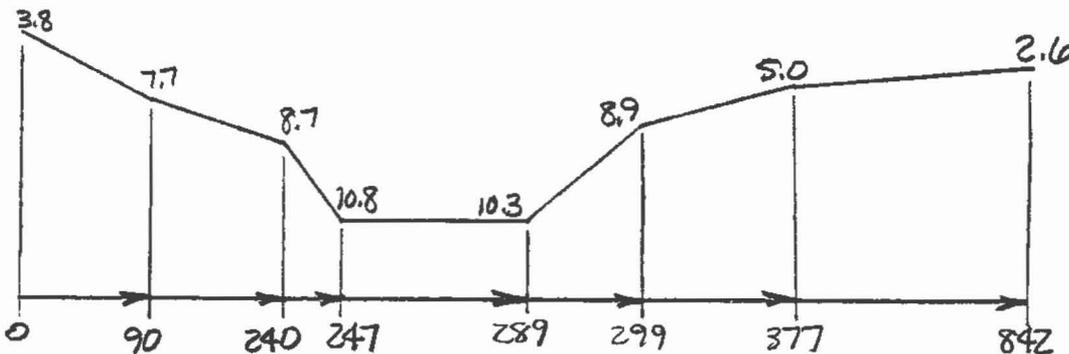
COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

____ Sediment Modeling (top 3 inches of wash bottom) *channel bed soil = very gravelly sand*
____ First Level (top 24 inches)
____ Second Level (24-48 inches) *O/B = sandy silt*
____ Third Level (48-72 inches)
____ Other - Description:
____ Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness _____

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S "N" VALUE NOTES:

Left:
Channel:
Right:

SAMPLE ID#: SBI
TOR: TR

DATE: 9/17/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site - RF-P23



PHOTOGRAPH #2: Downstream from Site RF-P24



SAMPLE ID#: SBI
TOR: TRL

DATE: 9/17/91

COLLEC-

PHOTOGRAPH #3: Left Channel Bank and Left Overbank *RG-P2 (RF-P24)*

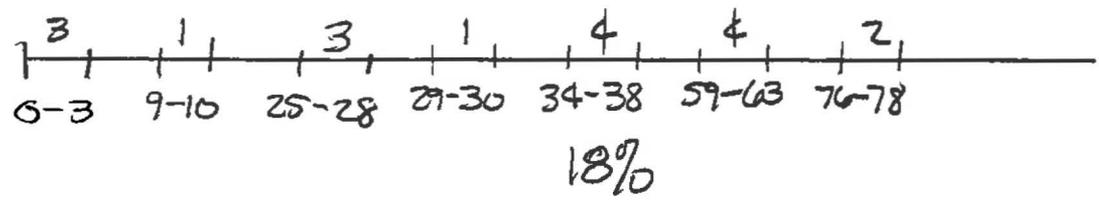


PHOTOGRAPH #4: Right Channel Bank and Right Overbank *RG-P3*



SAMPLE ID#: 5B1 DATE: 9/17/91 COLLEC-
TOR: TR

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed X

VCD: RF-P22



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/24/91

COLLECTOR: TRL

SAMPLE ID#: SCI

LOCATION: SCI 8400' u/s of CP 38
Sheet 1 PG 32

CHANNEL NAME: R 37-38

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

Channel Bed = Gravelly Sand

First Level (top 24 inches)

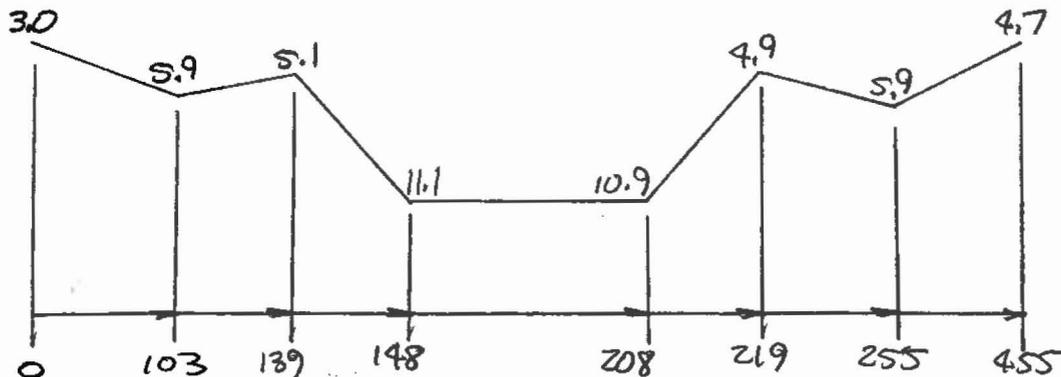
Second Level (24-48 inches)

Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes Depth Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC-1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: SC1
TOR: JRL

DATE: 9/24/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RL-P13 from R. O/B



PHOTOGRAPH #2: Downstream from Site RL-P14 from R. O/B



SAMPLE ID#: SCI DATE: 9/24/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: ~~Left Channel Bank and Left Overbank~~ RL-P15
VCD 0.25 miles west of Saucedo Wash looking north
from north line of section 33 Assume VCD=10%



PHOTOGRAPH #4: Right Channel Bank and Right Overbank

INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES

FLOOD MANAGEMENT SECTION

DATE: 9/17/91

COLLECTOR: TRL

SAMPLE ID#: SC2

LOCATION: SC2, 275' D/S from CP36
Sheet 1, Pg. 13

CHANNEL NAME: R36-37

QUAD NAME:

____ 1/4 Section _____, T _____, R _____

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

____ Sediment Modeling (top 3 inches of wash bottom)

____ First Level (top 24 inches)

____ Second Level (24-48 inches)

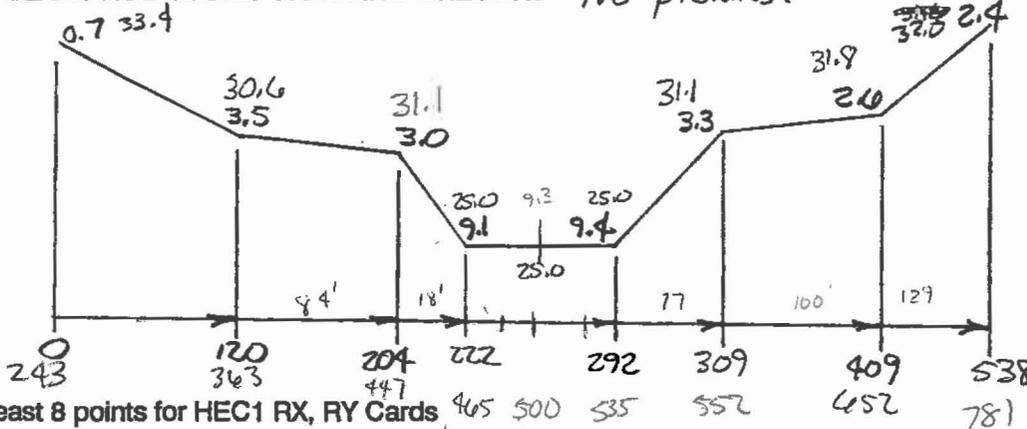
____ Third Level (48-72 inches)

____ Other - Description:

____ Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness _____

CROSS SECTION DESCRIPTION AND SKETCH:

No pictures. See CP36!



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: COB-1 DATE: 9-14-91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site RA-P18



PHOTOGRAPH #2: Downstream from Site RA-P17



SAMPLE ID#: LOB-1 DATE: 9/14/91 COLLEC-
TOR: TR

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RA-P16



PHOTOGRAPH #4: Right Channel Bank and Right Overbank RA-P19



SAMPLE ID#: COB-1 DATE: 9/14/91 COLLEC-
TOR: TRC

PHOTOGRAPH #5: ~~Wash showing Sample Area~~ Debris along edge of channel RA-P20

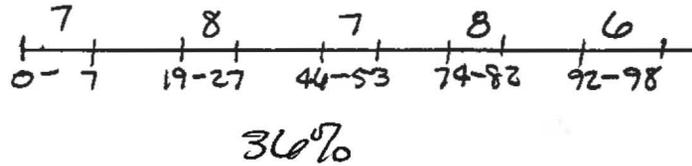


PHOTOGRAPH #6: Close-up of Sample Hole and Identified Layers



SAMPLE ID#: CB-1 DATE: 9/14/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at 2.8' feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____ Recent

RA-P21 = VCD



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES

FLOOD MANAGEMENT SECTION

DATE: 9/14/91

COLLECTOR: TRL

SAMPLE ID#: None

LOCATION: Section 40C-1 10,000 'u/s of CP41
Sheet 5, Pg.1

CHANNEL NAME: R40-41

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

First Level (top 24 inches)

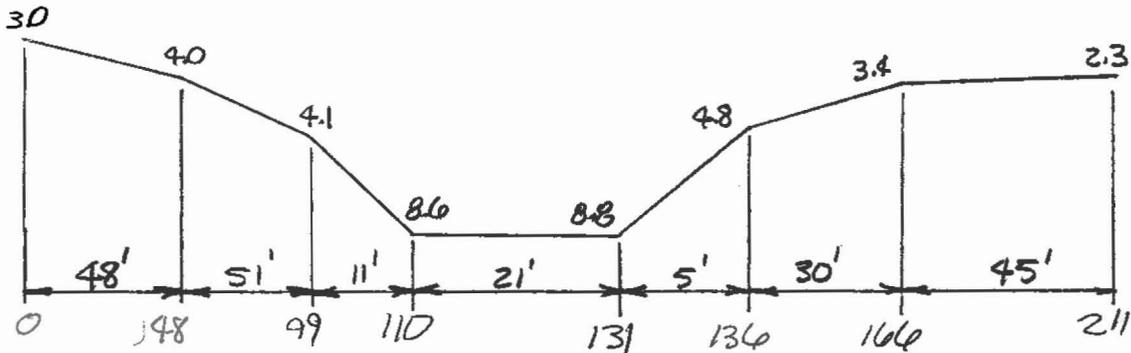
Second Level (24-48 inches)

Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes Depth Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: GC-1 DATE: 9/14/91 COLLEC-
TOR: JRL

PHOTOGRAPH #1: Upstream from Sample Site *RA-P3*



PHOTOGRAPH #2: Downstream from Site *RA-P2*



SAMPLE ID#: 6C-1 DATE: 9/14/91 COLLEC-
TOR: TRU

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RA-P1

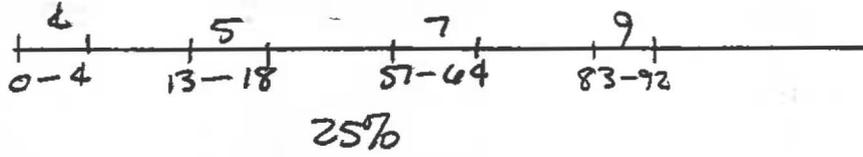


PHOTOGRAPH #4: Right Channel Bank and Right Overbank RA-P4



SAMPLE ID#: GC-1 DATE: 9/14/91 COLLECTOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____

RA-PS VCD



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/22/91

COLLECTOR: TRL

SAMPLE ID#: CF1

LOCATION: CF1 8400 u/s of CP44
Sheet 4 PG 25

CHANNEL NAME: R43-44

QUAD NAME:

1/4 Section , T , R

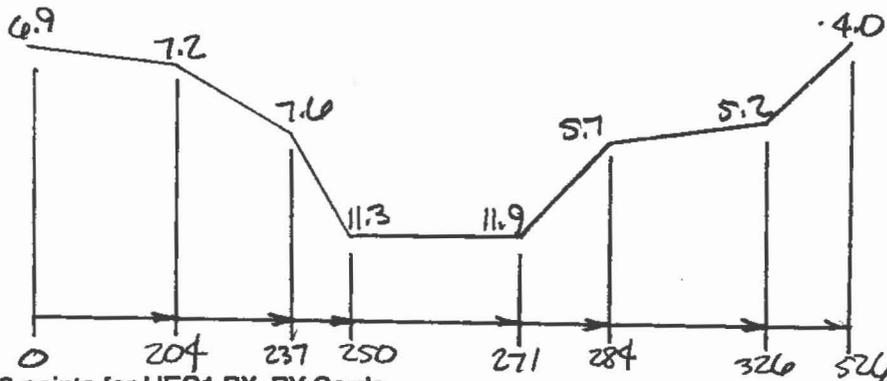
COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

- Sediment Modeling (top 3 inches of wash bottom) *Channel Bed = Coarse Sand*
- First Level (top 24 inches) *O/B = Sandy Silt*
- Second Level (24-48 inches)
- Third Level (48-72 inches)
- Other - Description:
- Armoring : Yes No Sizes Depth Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: COF DATE: 9/22/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site RJ-P8 (Bad?)



PHOTOGRAPH #2: Downstream from Site RJ-P9



SAMPLE ID#: CoF1 DATE: 9/22/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank *RJ-P10*

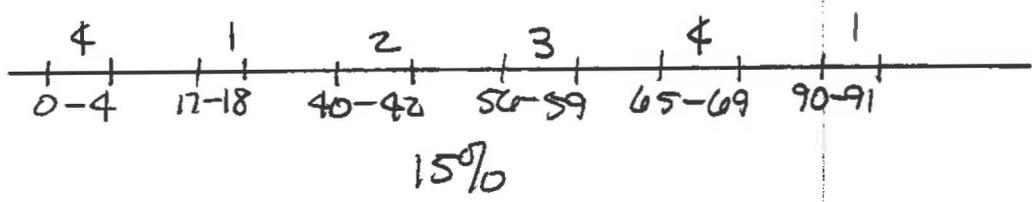


PHOTOGRAPH #4: Right Channel Bank and Right Overbank *RJ-P11*



SAMPLE ID#: C0F1 DATE: 9/22/91 COLLEC-
TOR: TR

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____

VCD RJ-P12



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/22/91

COLLECTOR: TRL

SAMPLE ID#: 6F2

LOCATION: 6F2 8200' D/S of CP43
Sheet # PG 25

CHANNEL NAME: R43-44

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

First Level (top 24 inches)

Second Level (24-48 inches)

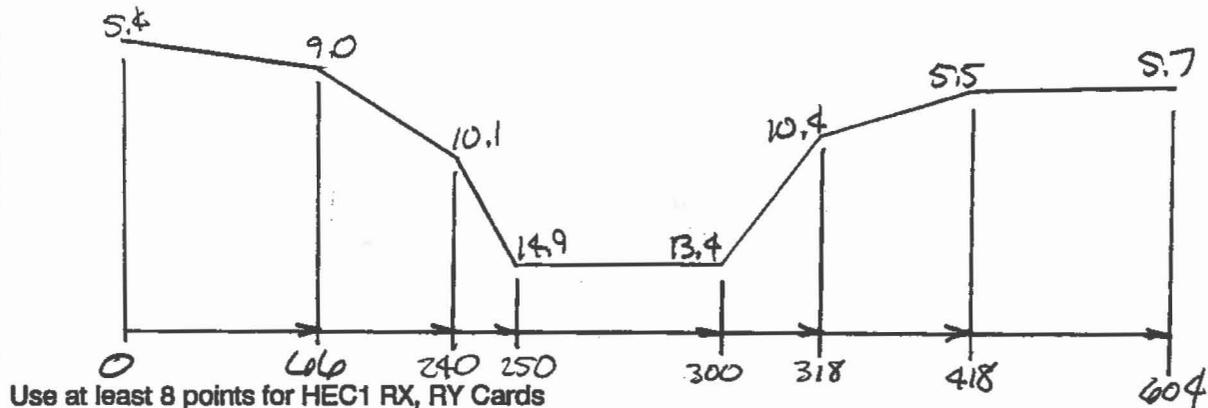
Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes Depth Thickness

Channel Bed = Cobble, very gravelly Sand
O/B's = Sandy Silt

CROSS SECTION DESCRIPTION AND SKETCH:



MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 0F2 DATE: 9/22/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site RJ-P13



PHOTOGRAPH #2: Downstream from Site RJ-P14



SAMPLE ID#: C0F2 DATE: 9/22/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RJ-P15

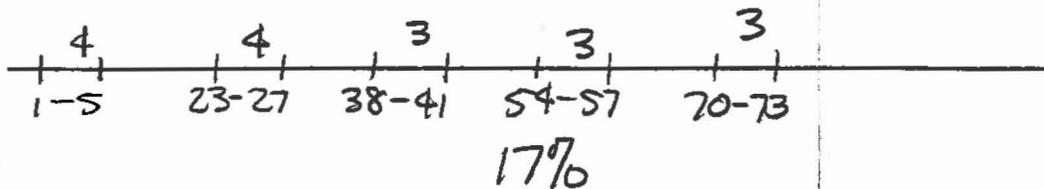


PHOTOGRAPH #4: Right Channel Bank and Right Overbank RJ-P16 + VCD



SAMPLE ID#: 6FZ DATE: 9/22/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____

INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 10/4/91
COLLECTOR: JRL
SAMPLE ID#: 051

LOCATION: 051, 400' D/S of CP44
Sheet 1, Pg. 85

CHANNEL NAME: R 44-69

QUAD NAME:

____ 1/4 Section _____, T _____, R _____

COUNTY:

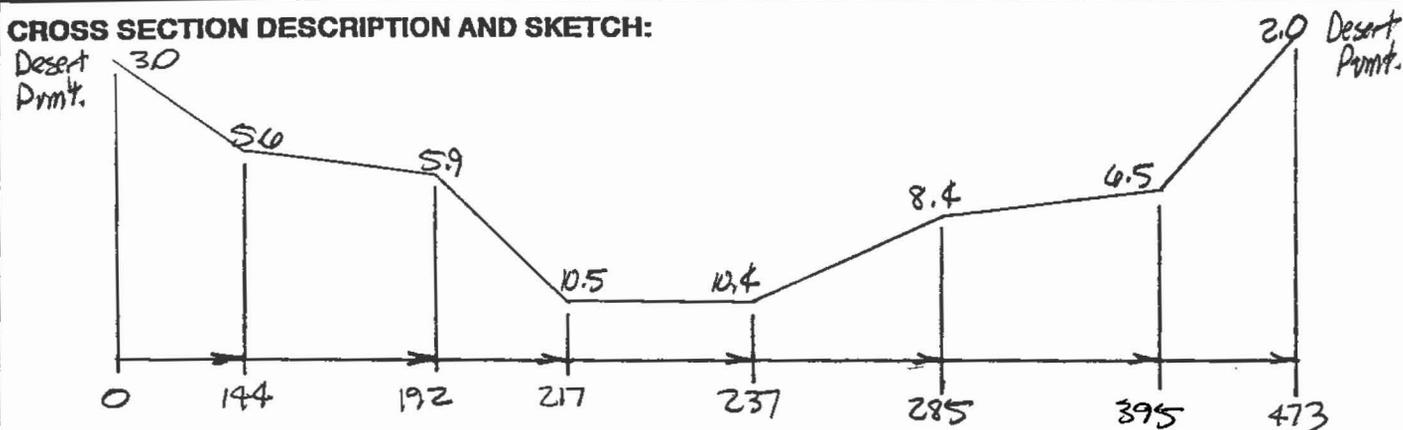
APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

- ____ Sediment Modeling (top 3 inches of wash bottom)
- ____ First Level (top 24 inches)
- ____ Second Level (24-48 inches)
- ____ Third Level (48-72 inches)
- ____ Other - Description:
- ____ Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness _____

*Channel Bed = Gravely sand
O/B's = Gravely sandy silt.*

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:
Channel:
Right:

SAMPLE ID#: 627
TOR: TRL

DATE: 10/4/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RDD-P11



PHOTOGRAPH #2: Downstream from Site RDD-P12



SAMPLE ID#: C6J1
TOR: TR

DATE: 10/4/91

COLLEC-

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RDD-P13



PHOTOGRAPH #4: Right Channel Bank and Right Overbank RDD-P10



SAMPLE ID#: 6J1 DATE: 10/4/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:

| 5 | | 2 | | 2 | | 3 | | 2 | | 3 | | 5 |
| 0-5 | | 20-22 | | 33-35 | | 49-52 | | 62-64 | | 84-87 | | 93-98 |

22%

ADDITIONAL NOTES: *Recent H/W ≈ 18"*

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____ *RDD-P14 ≈ VCD*



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/22/91

COLLECTOR: TRL

SAMPLE ID#: CK1

LOCATION: CK1 4200' D/S of CP47

CHANNEL NAME: R47-48

QUAD NAME:

____ 1/4 Section _____, T _____, R _____

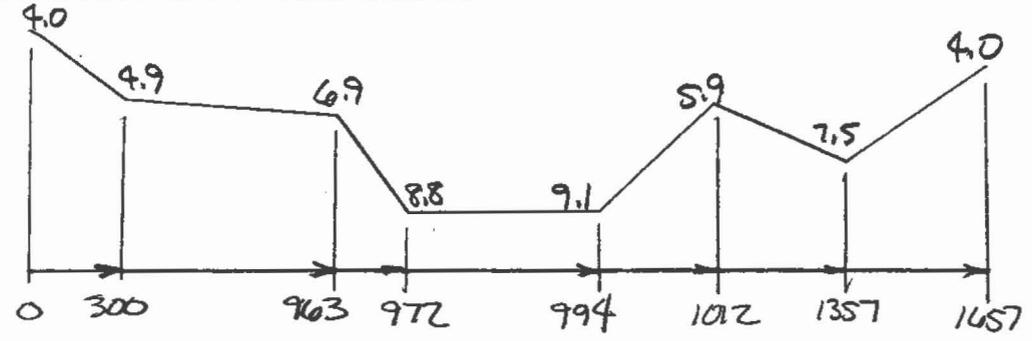
COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

- ____ Sediment Modeling (top 3 inches of wash bottom) *Channel & O/B's are sandy silt.*
- ____ First Level (top 24 inches)
- ____ Second Level (24-48 inches)
- ____ Third Level (48-72 inches)
- ____ Other - Description:
- ____ Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: CK1
TOR: TRL

DATE: 9/22/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RK-P20



PHOTOGRAPH #2: Downstream from Site RK-P21



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 10/4/91

COLLECTOR: TRL

SAMPLE ID#: Col To Path

LOCATION: Col To Path at SR85
Sheet 1, Pg. 84

CHANNEL NAME:

QUAD NAME:

_____ 1/4 Section _____, T _____, R _____

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

_____ Sediment Modeling (top 3 inches of wash bottom)

_____ First Level (top 24 inches)

_____ Second Level (24-48 inches)

_____ Third Level (48-72 inches)

_____ Other - Description:

_____ Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness

CROSS SECTION DESCRIPTION AND SKETCH:

SR-85: 2-10' x 7' RCBC

RR-Bridge: 5 span bridge, No upstream Levee. Drains to bridge
from North & South

Clear Height of Opening: (left to right, D/s):

4.0', 7.2', 8.0', 8.2', 5.4'

2 end spans = 12' Wide, 3 interior spans = 13'

Use at least 8 points for HEC1 RX, RY Cards

MANNING'S "N" VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: COL T.
TOR: TRL

DATE: 10/4/91

COLLEC-

PHOTOGRAPH #1: ~~Upstream from Sample Site~~ RCC-P14, D/S from SR-85 outlet



PHOTOGRAPH #2: ~~Downstream from Site~~ RCC-P14, U/S at SR-85 Outlet



SAMPLE ID#: CEL 76 DATE: 10/4/91 COLLEC-
TOR: TRI

PHOTOGRAPH #3: ~~Left Channel Bank and Left Overbank~~ RCC-160, D/S at SR-85 Inlet



PHOTOGRAPH #4: ~~Right Channel Bank and Right Overbank~~ RCC-117, U/S at RR Bridge Outlet
Left



SAMPLE ID#: COL Te
TOR: TRL

DATE: 10/4/91

COLLEC-

PHOTOGRAPH #5: ~~Wash showing Sample Area~~ RCC-P18, u/s at RR Bridge Outlet Middle



PHOTOGRAPH #6: ~~Close up of Sample Hole and Identified Layers~~ RCC-P19, u/s at RR Bridge Outlet Right



SAMPLE ID#: COLT
TOR: TRL

DATE: 10/4/91

COLLEC-

PHOTOGRAPH #~~7~~: ~~Upstream from Sample Site~~ RCC-P20, U/S from RR Bridge Inlet at
Incomia Comria Channel.



PHOTOGRAPH #~~8~~: ~~Downstream from Site~~ RCC-P21, D/S at RR Bridge Inlet Left.



SAMPLE ID#: COLTE DATE: 10/4/91 COLLEC-
TOR: TRL

PHOTOGRAPH # 9: ~~Upstream from Sample Site~~ RCC-P22, D/S at RR Bridge Inlet Middle



PHOTOGRAPH # 10: ~~Downstream from Site~~ RCC-P23, D/S at RR Bridge Inlet, Right



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/17/91

COLLECTOR: JRL

SAMPLE ID#: 601

LOCATION: 601, 4300' u/s of CPS1
sheet 1 PG 12

CHANNEL NAME: R36-51

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

First Level (top 24 inches)

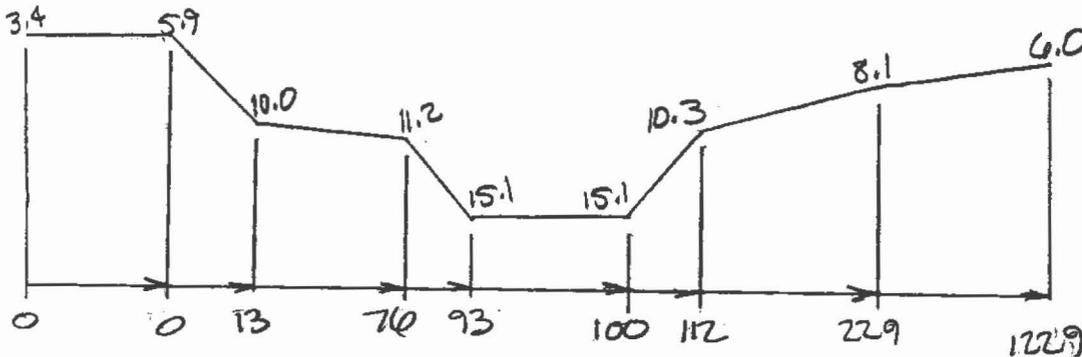
Second Level (24-48 inches)

Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes Depth Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 1001 DATE: 9/17/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site RE-P15



PHOTOGRAPH #2: Downstream from Site RE-P16



SAMPLE ID#: 001 DATE: 9/17/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RE-P17 Left O/B Looking D/S



PHOTOGRAPH #4: Right Channel Bank and Right Overbank RE-P18 Left O/B Looking u/s



SAMPLE ID#: CO01 DATE: 9/17/91 COLLEC-
TOR: TRL

PHOTOGRAPH #5: ~~Wash showing Sample Area~~ RE-P19; Right O/B Looking D/S



PHOTOGRAPH #6: Close-up of Sample Hole and Identified Layers



SAMPLE ID#: 0091 DATE: 9/17/91 COLLECTOR: TRL

VEGETATION DESCRIPTION: No Prcture

1 3 4 2 9
0 4-5 22-25 60-64 74-78 91-100
19%

ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed X

INFILTRATION/TRANSMISSION LOSS SAMPLE ARIZONA DEPARTMENT OF WATER RESOURCES FLOOD MANAGEMENT SECTION	DATE: <u>9/17/91</u>
	COLLECTOR: <u>TRL</u>
	SAMPLE ID#: <u>602</u>

LOCATION: 602, 4200' U/S of CP52
Sheet 1 PG 12

CHANNEL NAME: R36-52

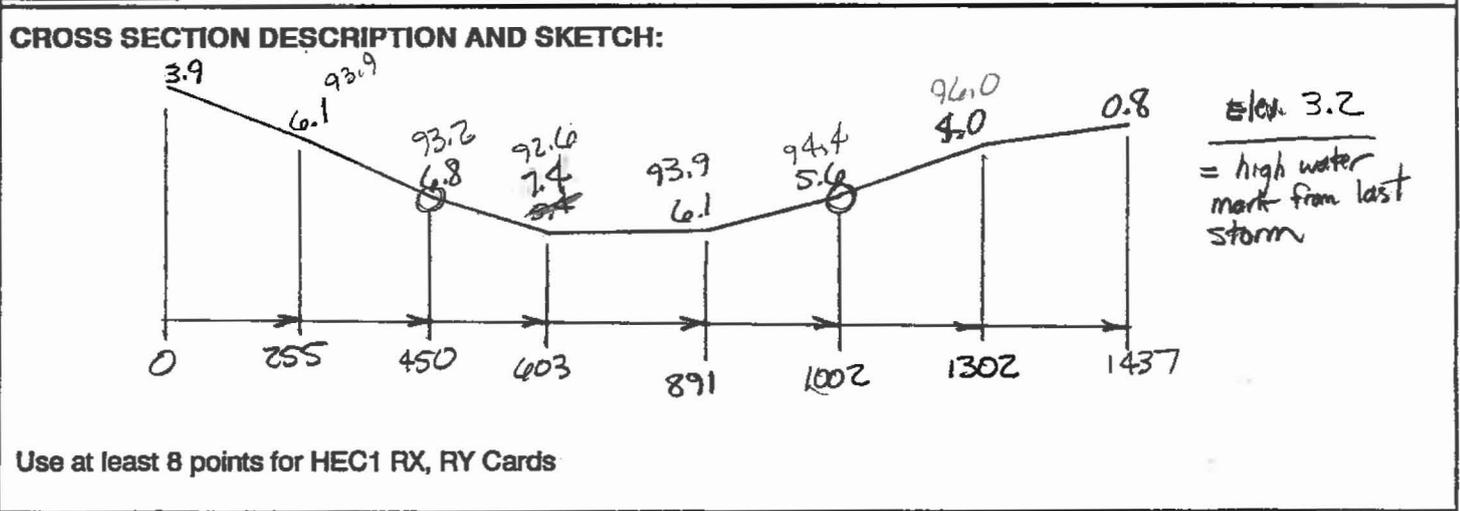
QUAD NAME:
 _____ 1/4 Section _____, T _____, R _____

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom) *Bottom = Sandy silt*
 First Level (top 24 inches)
 Second Level (24-48 inches)
 Third Level (48-72 inches)
 Other - Description:
 Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness _____



MANNING'S 'N' VALUE NOTES:

Left:
 Channel:
 Right:

SAMPLE ID#: 1002
TOR: TRL

DATE: 9/17/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RE-P21



PHOTOGRAPH #2: Downstream from Site RE-P22



SAMPLE ID#: 002
TOR: TRL

DATE: 9/17/91

COLLEC-

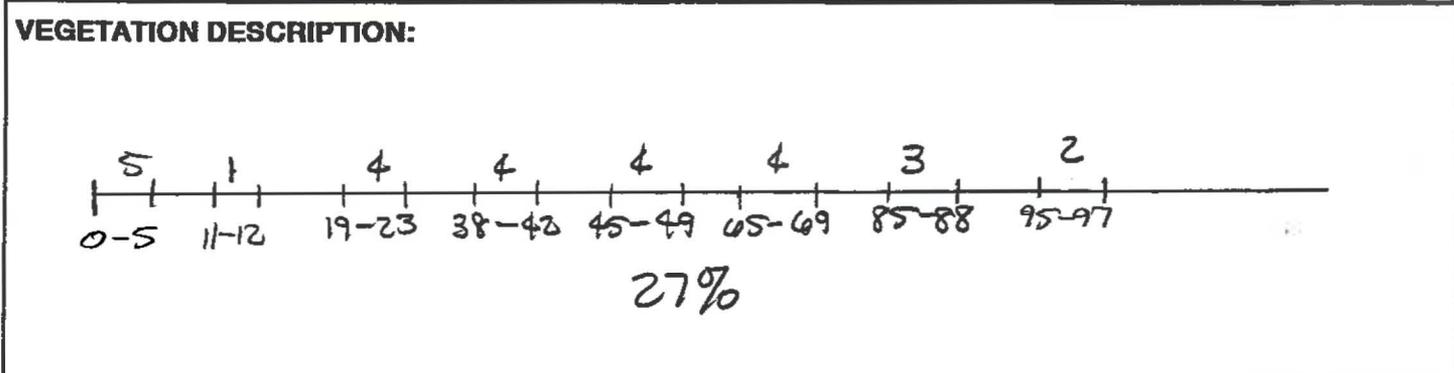
PHOTOGRAPH #3: Left Channel Bank and Left Overbank RE-P23



PHOTOGRAPH #4: Right Channel Bank and Right Overbank RE-P20



SAMPLE ID#: 1002 DATE: 9/17/91 COLLEC-
TOR: TRL



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed _____

VCD: RE-P24



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/10/91

COLLECTOR: TRL

SAMPLE ID#: 6P1

LOCATION: 6P1, 7,400' u/s of CPS8
Sheet 1 PG 8

CHANNEL NAME: R57-58

QUAD NAME:

1/4 Section _____, T _____, R _____

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

First Level (top 24 inches)

Second Level (24-48 inches)

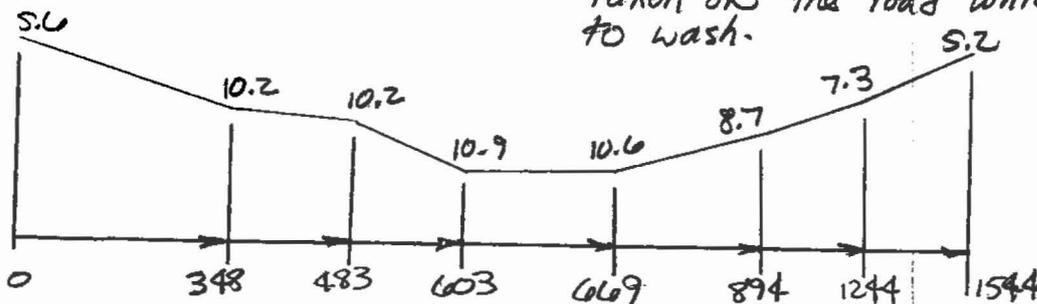
Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes _____ Depth _____ Thickness _____

CROSS SECTION DESCRIPTION AND SKETCH:

Vegetation (Salt Cedar is too thick to allow taking a c/s. ∴ A profile was taken on the road which crosses perp. to wash.



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: Cok1
TOR: TRL

DATE: 9/22/91

COLLEC-

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RK-P23

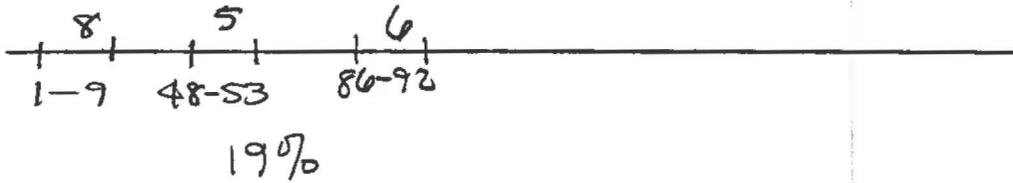


PHOTOGRAPH #4: Right Channel Bank and Right Overbank RK-P22



SAMPLE ID#: 60K1 DATE: 9/22/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____

Bank Scour _____ feet deep, Left _____ Right _____

None observed X

VCD RK-P23



INFILTRATION/TRANSMISSION LOSS SAMPLE ARIZONA DEPARTMENT OF WATER RESOURCES FLOOD MANAGEMENT SECTION	DATE: <u>9/22/91</u>
	COLLECTOR: <u>TRL</u>
	SAMPLE ID#: <u>CL1</u>

LOCATION: CL1 3000' U/S of CP30 sheet PG 28
 CHANNEL NAME: R 48-30
 QUAD NAME:
 _____ 1/4 Section _____, T _____, R _____
 COUNTY:
 APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)
 First Level (top 24 inches)
 Second Level (24-48 inches)
 Third Level (48-72 inches)
 Other - Description:
 Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness

CROSS SECTION DESCRIPTION AND SKETCH:

Similar to CL2

Use at least 8 points for HEC1 RX, RY Cards

MANNING'S "N" VALUE NOTES:

Left:

Channel:

Right:

INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 10/4/91

COLLECTOR: TRL

SAMPLE ID#: 001

LOCATION: 001, 400 D/S OF CP45
Sheet 1, Pg. 80

CHANNEL NAME: R45-36

QUAD NAME:

____ 1/4 Section ____ T ____ R ____

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

____ Sediment Modeling (top 3 inches of wash bottom)

____ First Level (top 24 inches)

____ Second Level (24-48 inches)

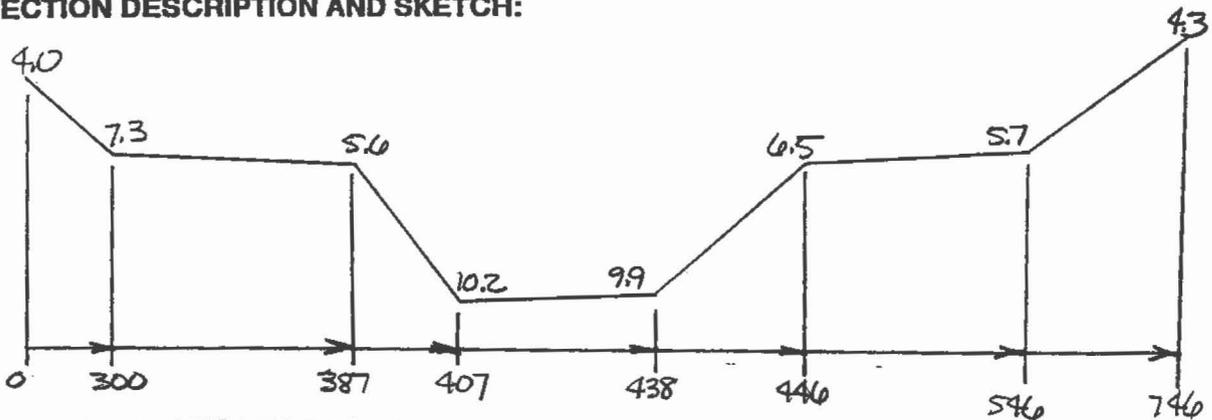
____ Third Level (48-72 inches)

____ Other - Description:

____ Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness

Channel Bed = Sandy silt
O/B's = Sandy sandy silt

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: COLL
TOR: TR

DATE: 10/4/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RDD-P16



PHOTOGRAPH #2: Downstream from Site RDD-P17



SAMPLE ID#: 1011 DATE: 10/4/91 COLLEC-
TOR: TR

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RDD-PB

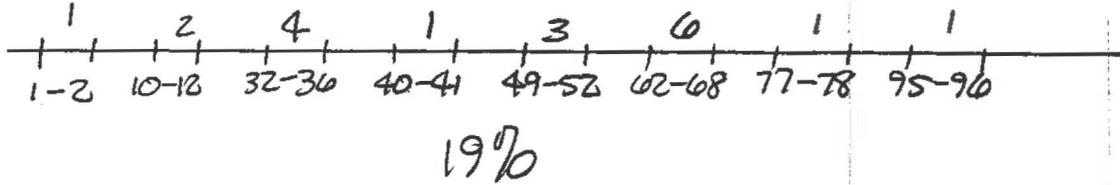


PHOTOGRAPH #4: Right Channel Bank and Right Overbank RDD-P15



SAMPLE ID#: 011 DATE: 10/4/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

Recent H/W \approx 18"

High Water Indications: Debris at _____ feet deep, Left _____ Right _____

Bank Scour _____ feet deep, Left _____ Right _____

None observed _____ RDD-P19 = VCD



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/22/91

COLLECTOR: TRL

SAMPLE ID#: 6LZ

LOCATION: 6LZ 4800' U/S of CP36
Sheet 1 PG 27

CHANNEL NAME: R45-50

QUAD NAME:

____ 1/4 Section _____, T _____, R _____

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

____ Sediment Modeling (top 3 inches of wash bottom)

Channel & O/B's are Sandy Silt

____ First Level (top 24 inches)

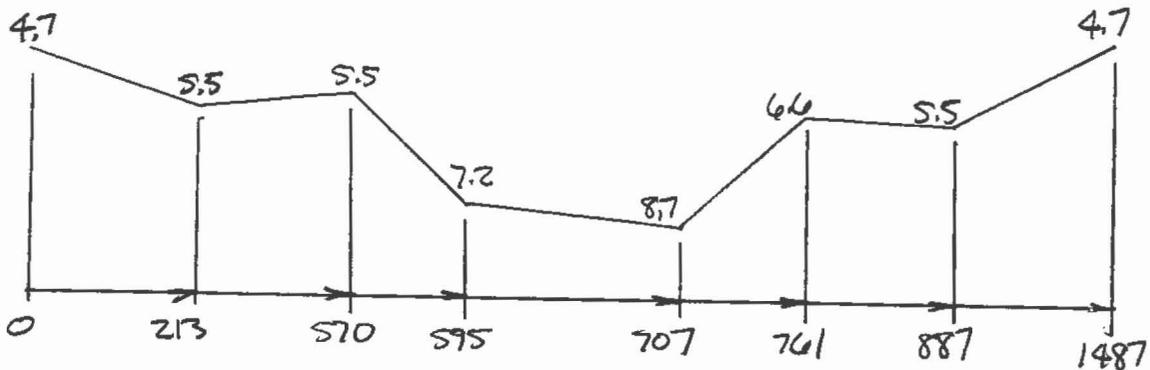
____ Second Level (24-48 inches)

____ Third Level (48-72 inches)

____ Other - Description:

____ Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness _____

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: 012 DATE: 9/22/91 COLLEC-
TOR: JRL

PHOTOGRAPH #1: Upstream from Sample Site RK-P16



PHOTOGRAPH #2: Downstream from Site RK-P17



SAMPLE ID#: 602 DATE: 9/22/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RK-P18 4VCD

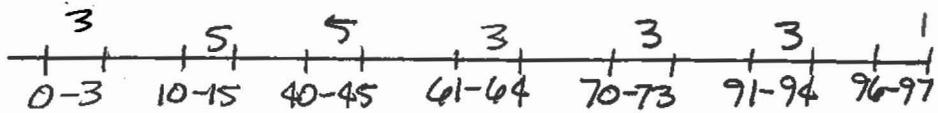


PHOTOGRAPH #4: Right Channel Bank and Right Overbank RK-P19



SAMPLE ID#: CL2 DATE: 9/22/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



23%

ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____

Bank Scour _____ feet deep, Left _____ Right _____

None observed 4

INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

6L3

DATE: 10/4/91

COLLECTOR: TRL

SAMPLE ID#: ~~6L2~~ 6L3

LOCATION: 6L2, 400' D/S of SR85
Sheet 1, Pg. 86

CHANNEL NAME: R45-36 ~~R45-36~~

QUAD NAME:

1/4 Section _____, T _____, R _____

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

___ Sediment Modeling (top 3 inches of wash bottom)

___ First Level (top 24 inches)

___ Second Level (24-48 inches)

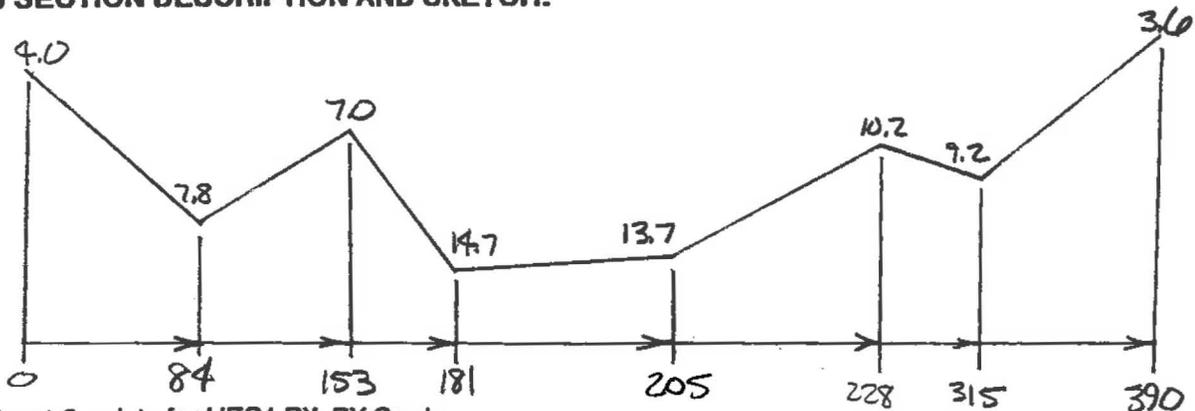
___ Third Level (48-72 inches)

___ Other - Description:

___ Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness _____

*Channel Bed = Very Gravelly Sand
of BS = Gravelly Silt*

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: COL 3
TOR: TRL

DATE: 10/4/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RDD-P21



PHOTOGRAPH #2: Downstream from Site RDD-P22



SAMPLE ID#: CLZ 3 DATE: 10/4/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RDD-P20



PHOTOGRAPH #4: Right Channel Bank and Right Overbank RDD-P24



SAMPLE ID#: UL23 DATE: 10/4/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:

None Measured

ADDITIONAL NOTES:

Recent H/W Shot = 12.9

High Water Indications: Debris at _____ feet deep, Left _____ Right _____

Bank Scour _____ feet deep, Left _____ Right _____

None observed _____ *RDD-P232 Debris in Channel*



SAMPLE ID#: 6P1 DATE: 9/16/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site RD-P9 Looking \perp to channel, up road to east



PHOTOGRAPH #2: Downstream from Site RD-~~P9~~ P11



SAMPLE ID#: CoPI
TOR: TRL

DATE: 9/16/91

COLLEC-

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RD-P10

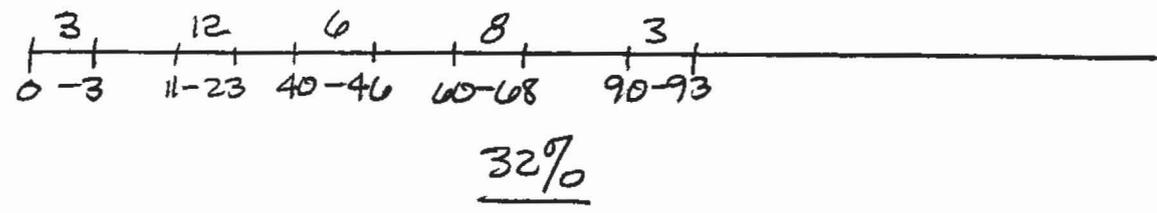


PHOTOGRAPH #4: Right Channel Bank and Right Overbank RD-P12



SAMPLE ID#: GPI DATE: 9/16/91 COLLEC-
TOR: TRL

VEGETATION DESCRIPTION:



ADDITIONAL NOTES:

High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour _____ feet deep, Left _____ Right _____
None observed X
RD-P13 : VCD

INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/16/91

COLLECTOR: TRL

SAMPLE ID#: UPZ

LOCATION: UPZ, 4800' U/S of CP 57 Farm Land, ∴ No VCD
Sheet 1 PG 8

CHANNEL NAME: RS4-57

QUAD NAME:

_____ 1/4 Section _____, T _____, R _____

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

_____ Sediment Modeling (top 3 inches of wash bottom)

_____ First Level (top 24 inches)

_____ Second Level (24-48 inches)

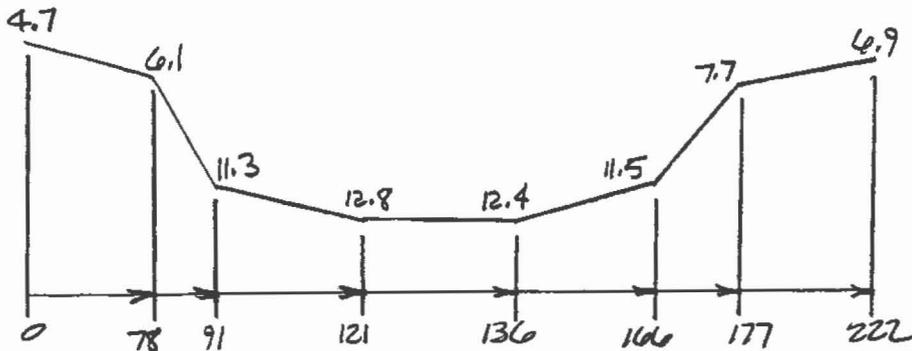
_____ Third Level (48-72 inches)

_____ Other - Description:

_____ Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness _____

Channel has a shallow sandy bottom. Predominate soil is a sandy silt.

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S "N" VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: GP2
TOR: TRL

DATE: 9/16/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RD-P1



PHOTOGRAPH #2: Downstream from Site RD-P2



SAMPLE ID#: 6P2 DATE: 9/4/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RD-P3



PHOTOGRAPH #4: Right Channel Bank and Right Overbank RD-P4



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/24/91

COLLECTOR: TRL

SAMPLE ID#: CP3

LOCATION: CP3 1900 4/3 of CP58
Sheet 1 PG 32

CHANNEL NAME: RS7-58

QUAD NAME:

___ 1/4 Section ___, T ___, R ___

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

___ Sediment Modeling (top 3 inches of wash bottom)

___ First Level (top 24 inches)

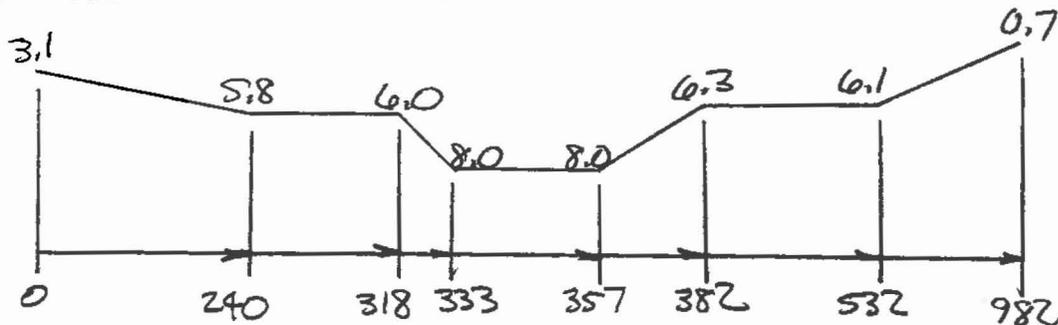
___ Second Level (24-48 inches)

___ Third Level (48-72 inches)

___ Other - Description:

___ Armoring : Yes ___ No ___ Sizes _____ Depth _____ Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: C0P3 DATE: 9/24/91 COLLEC-
TOR: TRL

PHOTOGRAPH #1: Upstream from Sample Site RL-P17



PHOTOGRAPH #2: Downstream from Site RL-P18



SAMPLE ID#: 6P3 DATE: 9/24/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RL-P19



PHOTOGRAPH #4: Right Channel Bank and Right Overbank RL-P10



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/16/91

COLLECTOR: TRL

SAMPLE ID#: CP34

LOCATION: CP4, 2400' U/S of CP57 Farm Land, ∴ No VCD

Sheet 1 PG 8

CHANNEL NAME: R55-57

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

Channel Bed Soils = Sandy Silt.

First Level (top 24 inches)

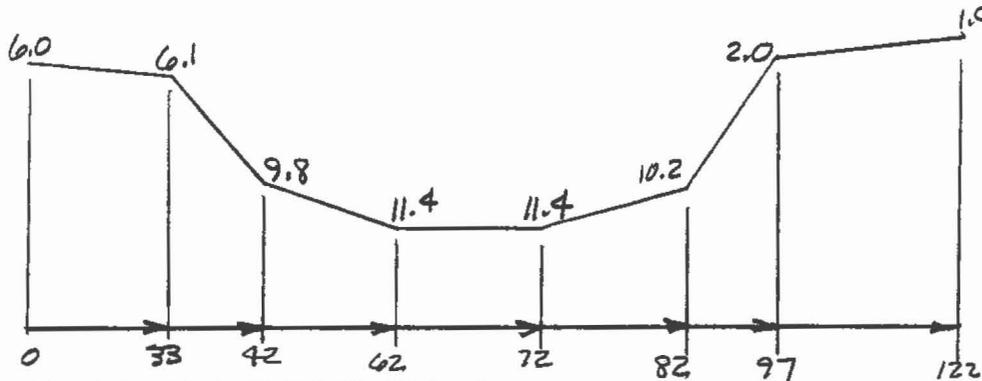
Second Level (24-48 inches)

Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes Depth Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: CP4
TOR: TEL

DATE: 9/16/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RD-P6



PHOTOGRAPH #2: Downstream from Site RD-P7



SAMPLE ID#: CP4 DATE: 9/16/91 COLLEC-
TOR: TRL

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RD-P8



PHOTOGRAPH #4: Right Channel Bank and Right Overbank RD-P5



INFILTRATION/TRANSMISSION LOSS SAMPLE

ARIZONA DEPARTMENT OF WATER RESOURCES
FLOOD MANAGEMENT SECTION

DATE: 9/16/91

COLLECTOR: TRL

SAMPLE ID#: 6001

LOCATION: 6001, 5000' u/s of CP59
Sheet 1 PG 9

NO VCD + Farm Land

CHANNEL NAME: R56-59

QUAD NAME:

 1/4 Section , T , R

COUNTY:

APPROXIMATE ELEVATION (MSL):

SAMPLE TYPE:

Sediment Modeling (top 3 inches of wash bottom)

Channel Bed Soil = Sandy Silt

First Level (top 24 inches)

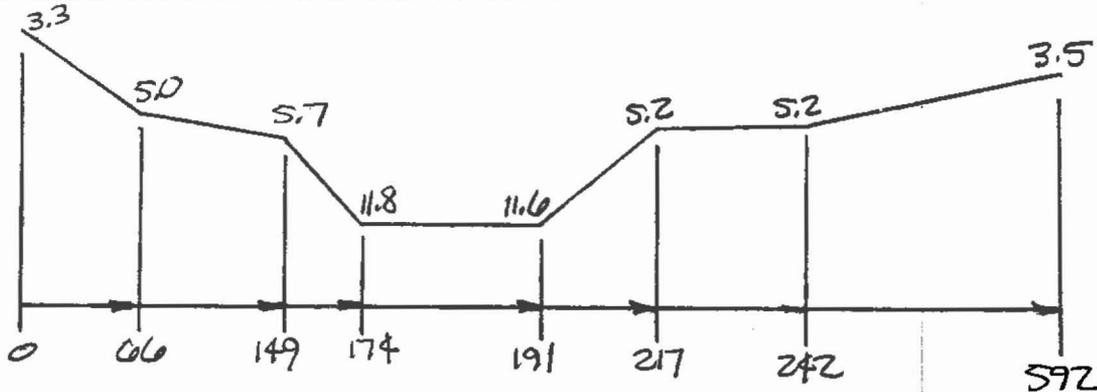
Second Level (24-48 inches)

Third Level (48-72 inches)

Other - Description:

Armoring : Yes No Sizes Depth Thickness

CROSS SECTION DESCRIPTION AND SKETCH:



Use at least 8 points for HEC1 RX, RY Cards

MANNING'S 'N' VALUE NOTES:

Left:

Channel:

Right:

SAMPLE ID#: C002L
TOR: TRL

DATE: 9/16/91

COLLEC-

PHOTOGRAPH #1: Upstream from Sample Site RD-P14



PHOTOGRAPH #2: Downstream from Site RD-P15



SAMPLE ID#: 0091
TOR: TRL

DATE: 9/16/91

COLLEC-

PHOTOGRAPH #3: Left Channel Bank and Left Overbank RD-P16



PHOTOGRAPH #4: Right Channel Bank and Right Overbank RD-P18



401

SAMPLE ID#: ~~401~~ DATE: 9/16/91 COLLEC-
TOR: TRC

VEGETATION DESCRIPTION:
None

ADDITIONAL NOTES:
High Water Indications: Debris at _____ feet deep, Left _____ Right _____
Bank Scour X feet deep, Left _____ Right _____
None observed _____
Left Bank Scour, RD-P17

