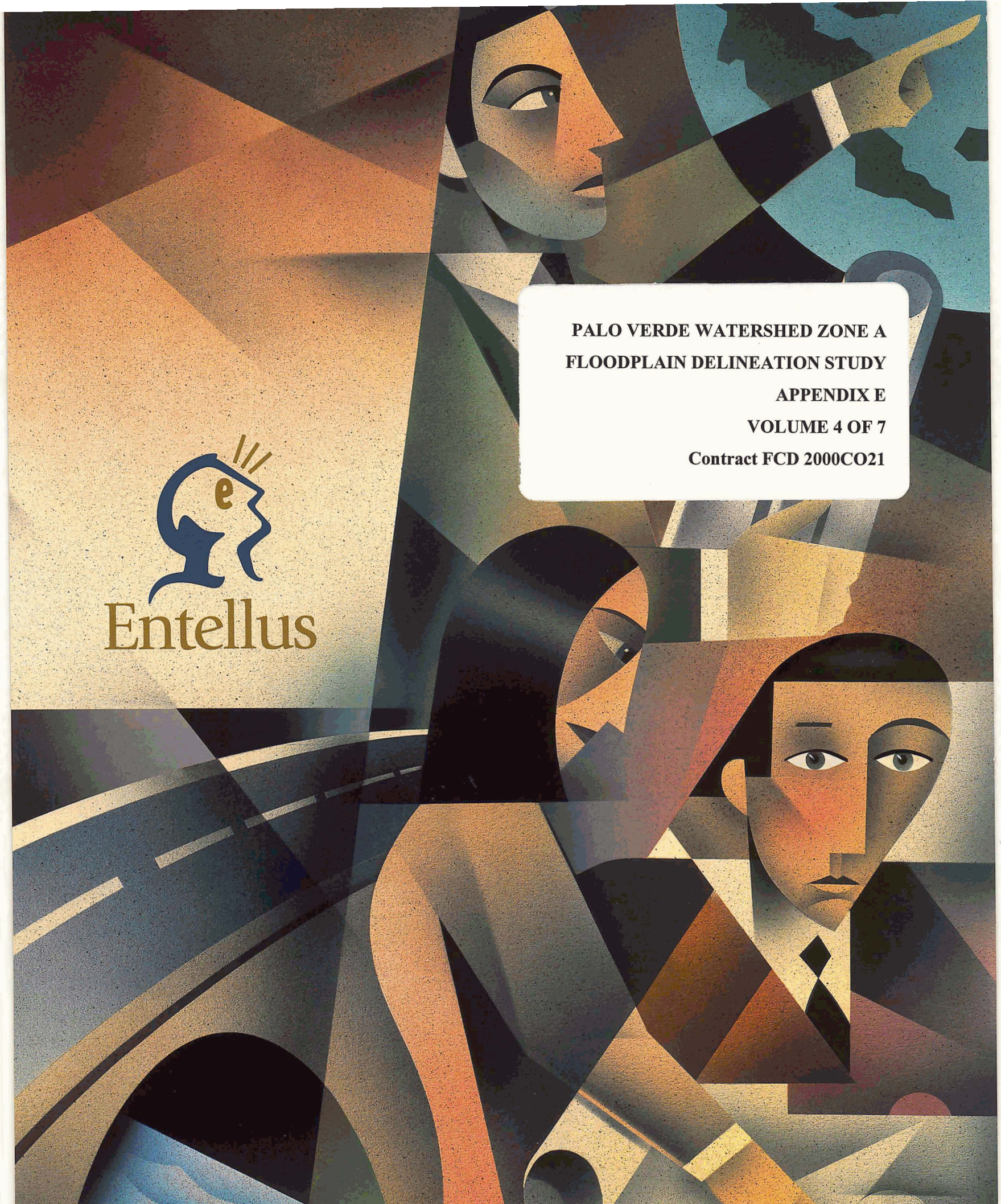

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY

APPENDIX E

VOLUME 4 OF 7

Contract FCD 2000CO21

Entellus

PALO VERDE WATERSHED ZONE A

FLOODPLAIN DELINEATION STUDY

TECHNICAL DATA NOTEBOOK

Contract FCD 2000CO21

Volume 4 of 7

MAY 30 2003

Prepared by:

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Entellus™

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY

FCD 2000CO21

TECHNICAL DATA NOTEBOOK

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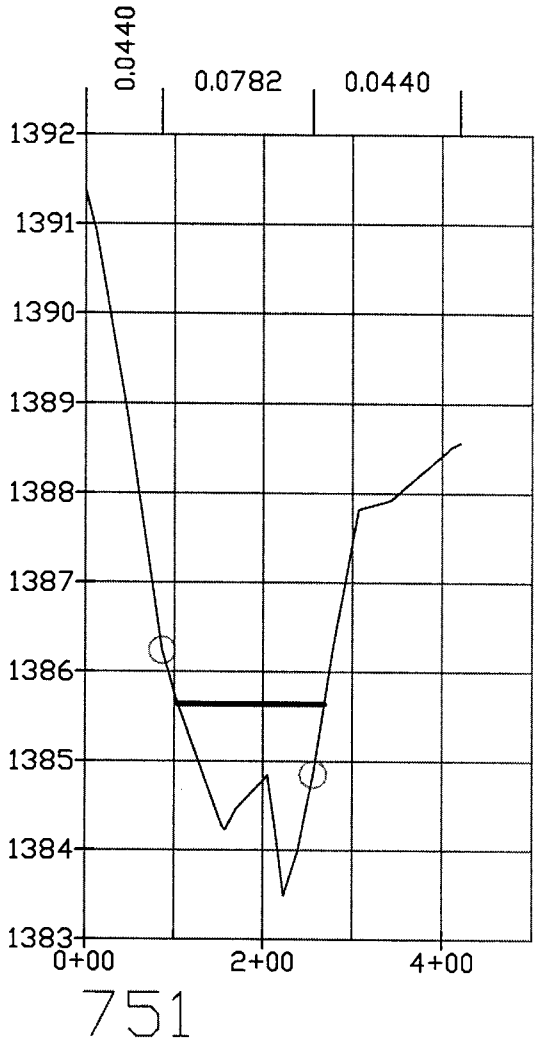
Area A Washes

T2N-R7W-S19W
T2N-R7W-S20E
T2N-R7W-S20W
T2N-R8W-S01
T2N-R8W-S02E
T2N-R8W-S02W
T3N-R7W-S06
T3N-R7W-S31E
T3N-R7W-S31S
T3N-R7W-S31W
T3N-R7W-S32
T3N-R8W-S05E
T3N-R8W-S05W
T3N-R8W-S10
T3N-R8W-S11E
T3N-R8W-S11W
T3N-R8W-S12
T3N-R8W-S13E
T3N-R8W-S13S
T3N-R8W-S13W
T4N-R8W-S28E
T4N-R8W-S28W
T4N-R8W-S29E
T4N-R8W-S29W
T4N-R8W-S31E
T4N-R8W-S31N
T4N-R8W-S31S
T4N-R8W-S31W
T4N-R8W-S33
T4N-R8W-S35E
T4N-R8W-S35N
T4N-R8W-S35W

T2N-R7W-S19W



Normal Depth Results

Cross-Section:	751	
Elevation:	1385.64	ft MSL
Depth:	2.15	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.2716	
Flow Regime:	Subcritical	
Flow Area:	172.55	sq ft
Average Velocity:	2.27	ft/s
Maximum Velocity:	2.27	ft/s
Composite n:	0.0759	
Hydraulic Radius:	1.05	ft
Wetted Perimeter:	164.58	ft
Wetted Top Width:	164.45	ft
Critical Slope:	0.1686	ft/ft

NOT USED IN DELINEATION

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FIGURE E2 – WASH: T2N–R7W–S19W–751

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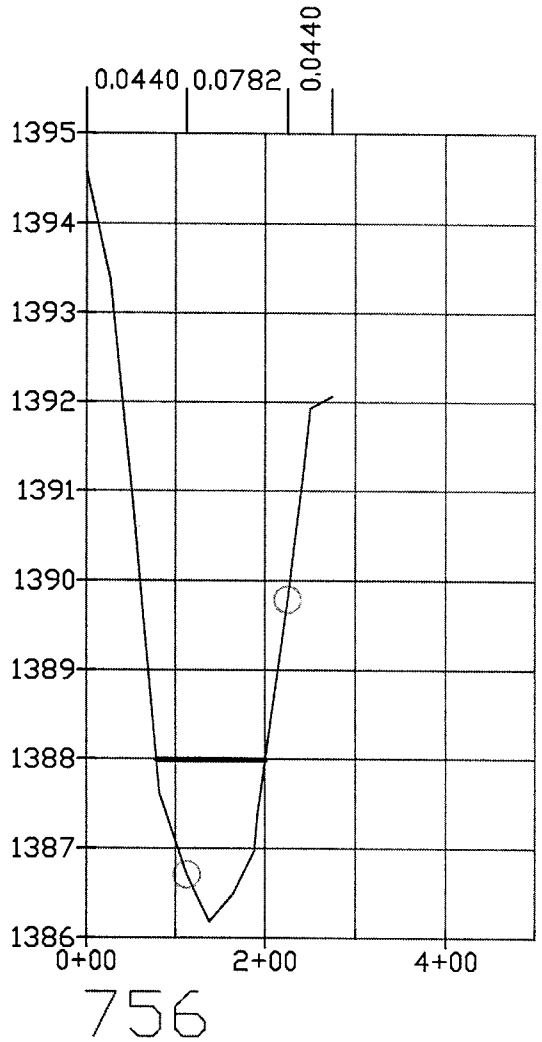

Normal Depth Results

Cross-Section:	756	
Elevation:	1387.99	ft MSL
Depth:	1.81	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3561	
Flow Regime:	Subcritical	
Flow Area:	143.55	sq ft
Average Velocity:	2.70	ft/s
Maximum Velocity:	3.16	ft/s
Composite n:	0.0695	
Hydraulic Radius:	1.19	ft
Wetted Perimeter:	121.09	ft
Wetted Top Width:	120.99	ft
Critical Slope:	0.1011	ft/ft

NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–756

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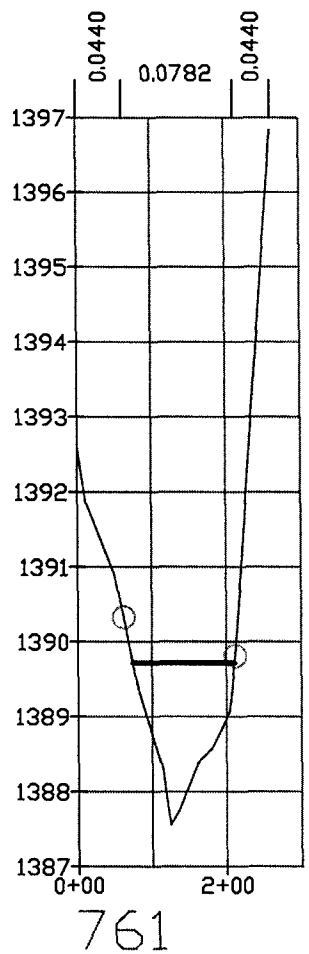
File: T2N-R7W-S19W-X-SECTIONS.dwg Date: 5/16/02



Normal Depth Results

Cross-Section:	761	
Elevation:	1389.72	ft MSL
Depth:	2.16	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.2865	
Flow Regime:	Subcritical	
Flow Area:	163.15	sq ft
Average Velocity:	2.39	ft/s
Maximum Velocity:	2.39	ft/s
Composite n:	0.0782	
Hydraulic Radius:	1.19	ft
Wetted Perimeter:	137.26	ft
Wetted Top Width:	137.16	ft
Critical Slope:	0.1522	ft/ft

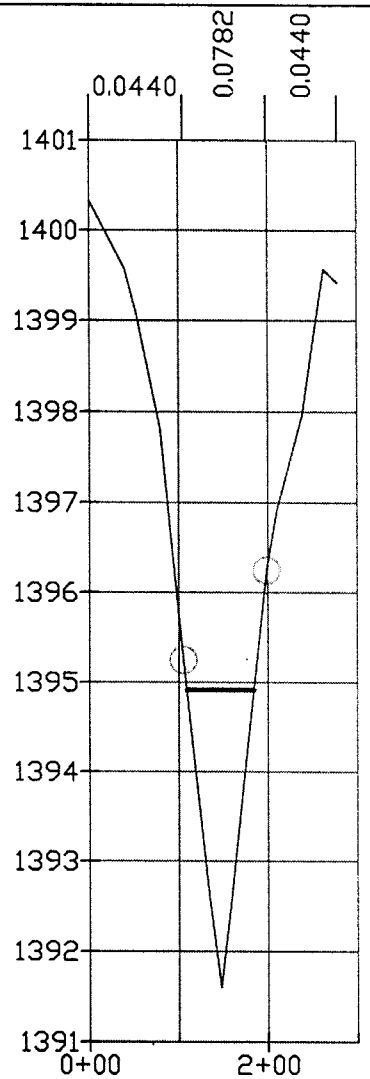
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–761

Entellus™

File: T2N-R7W-S19W-X-SECTIONS.dwg Date: 5/16/02



~~50~~ 766

Normal Depth Results

Cross-Section:	~~50~~ 766	
Elevation:	1394.91	ft MSL
Depth:	3.31	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.2945	
Flow Regime:	Subcritical	
Flow Area:	128.20	sq ft
Average Velocity:	3.03	ft/s
Maximum Velocity:	3.03	ft/s
Composite n:	0.0782	
Hydraulic Radius:	1.7	ft
Wetted Perimeter:	75.56	ft
Wetted Top Width:	75.27	ft
Critical Slope:	0.1452	ft/ft

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FIGURE E2 – WASH: T2N–R7W–S19W–~~50~~ 766

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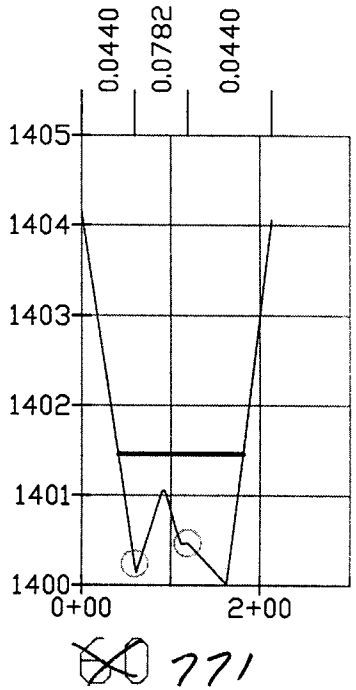

Normal Depth Results

Cross-Section:	~~80~~ 771	
Elevation:	1401.46	ft MSL
Depth:	1.45	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.4477	
Flow Regime:	Subcritical	
Flow Area:	127.43	sq ft
Average Velocity:	3.05	ft/s
Maximum Velocity:	3.97	ft/s
Composite n:	0.0596	
Hydraulic Radius:	0.91	ft
Wetted Perimeter:	140.51	ft
Wetted Top Width:	140.39	ft
Critical Slope:	0.0854	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~80~~ 771

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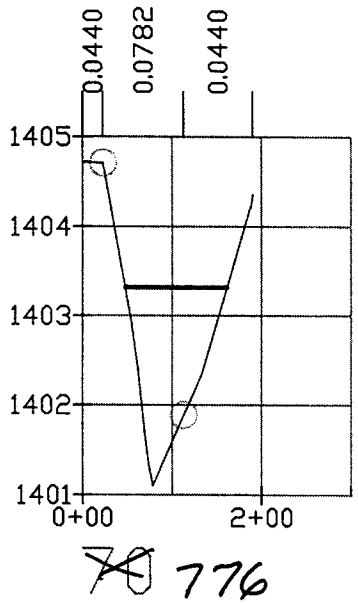
File: T2N-R7W-S19W-X-SECTIONS.dwg Date: 5/16/02



Normal Depth Results

Cross-Section:	~~70~~ 776	
Elevation:	1403.32	ft MSL
Depth:	2.22	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3421	
Flow Regime:	Subcritical	
Flow Area:	134.90	sq ft
Average Velocity:	2.89	ft/s
Maximum Velocity:	3.23	ft/s
Composite n:	0.0647	
Hydraulic Radius:	1.18	ft
Wetted Perimeter:	114.22	ft
Wetted Top Width:	114.11	ft
Critical Slope:	0.1081	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~70~~ 776

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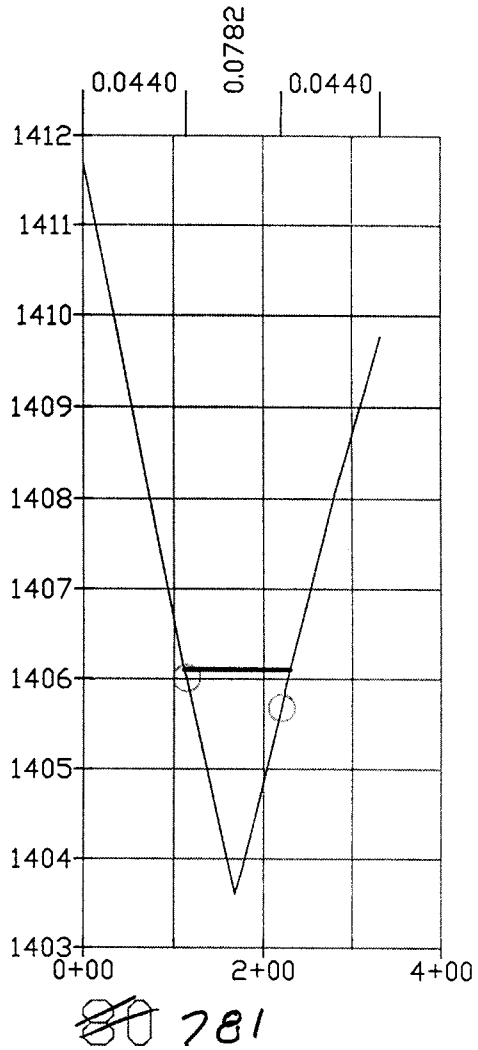

Normal Depth Results

Cross-Section:	~~80~~ 781	
Elevation:	1406.10	ft MSL
Depth:	2.49	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.2918	
Flow Regime:	Subcritical	
Flow Area:	149.19	sq ft
Average Velocity:	2.63	ft/s
Maximum Velocity:	2.65	ft/s
Composite n:	0.075	
Hydraulic Radius:	1.26	ft
Wetted Perimeter:	118.57	ft
Wetted Top Width:	118.47	ft
Critical Slope:	0.1497	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~80~~ 781

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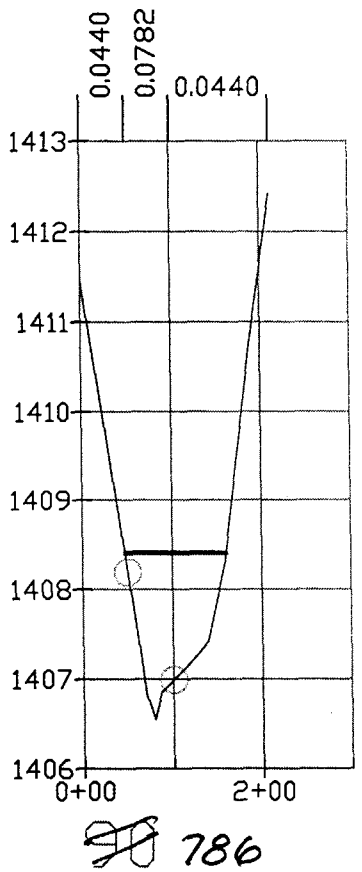

Normal Depth Results

Cross-Section:	~~90~~ 786	
Elevation:	1408.41	ft MSL
Depth:	1.86	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.4025	
Flow Regime:	Subcritical	
Flow Area:	125.24	sq ft
Average Velocity:	3.09	ft/s
Maximum Velocity:	3.72	ft/s
Composite n:	0.0604	
Hydraulic Radius:	1.1	ft
Wetted Perimeter:	113.34	ft
Wetted Top Width:	113.25	ft
Critical Slope:	0.0862	ft/ft

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FIGURE E2 – WASH: T2N–R7W–S19W–~~90~~ 786

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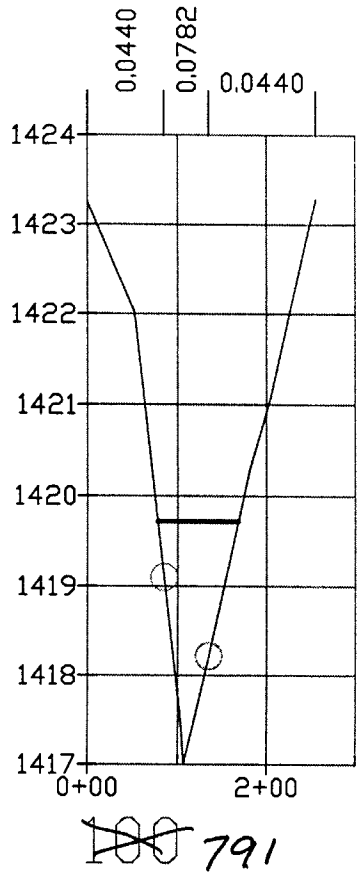

Normal Depth Results

Cross-Section:	~~100~~ 791	
Elevation:	1419.72	ft MSL
Depth:	2.72	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3429	
Flow Regime:	Subcritical	
Flow Area:	121.63	sq ft
Average Velocity:	3.19	ft/s
Maximum Velocity:	3.25	ft/s
Composite n:	0.064	
Hydraulic Radius:	1.34	ft
Wetted Perimeter:	90.71	ft
Wetted Top Width:	90.51	ft
Critical Slope:	0.1093	ft/ft

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FIGURE E2 – WASH: T2N–R7W–S19W–~~100~~ 791

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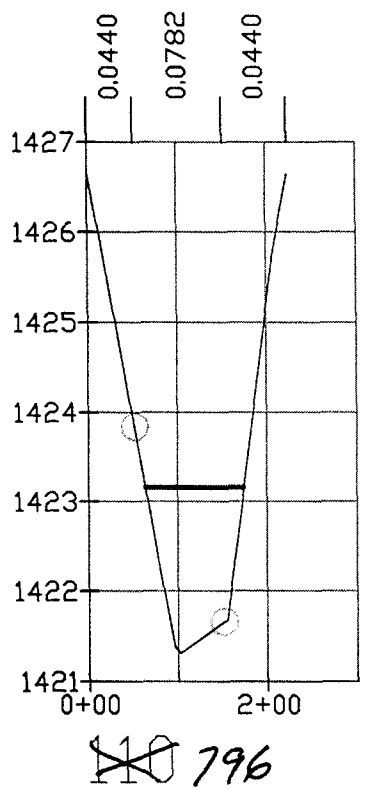

Normal Depth Results

Cross-Section:	~~110~~ 796	
Elevation:	1423.16	ft MSL
Depth:	1.85	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3571	
Flow Regime:	Subcritical	
Flow Area:	141.67	sq ft
Average Velocity:	2.77	ft/s
Maximum Velocity:	3.42	ft/s
Composite n:	0.0719	
Hydraulic Radius:	1.29	ft
Wetted Perimeter:	110.09	ft
Wetted Top Width:	109.98	ft
Critical Slope:	0.0989	ft/ft

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FIGURE E2 – WASH: T2N–R7W–S19W–~~110~~ 796

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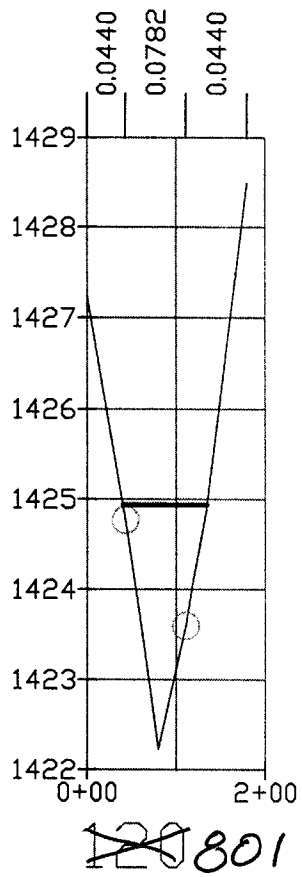

Normal Depth Results

Cross-Section:	~~120~~ 801	
Elevation:	1424.94	ft MSL
Depth:	2.71	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3185	
Flow Regime:	Subcritical	
Flow Area:	131.15	sq ft
Average Velocity:	3.00	ft/s
Maximum Velocity:	3.02	ft/s
Composite n:	0.0695	
Hydraulic Radius:	1.38	ft
Wetted Perimeter:	94.91	ft
Wetted Top Width:	94.75	ft
Critical Slope:	0.1231	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~120~~ 801

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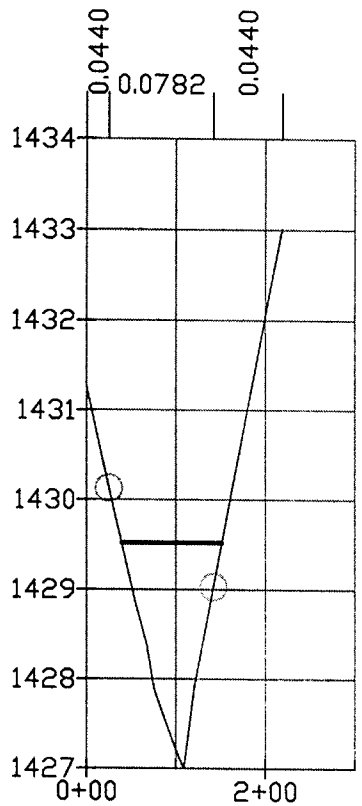


~~130~~ 806

Normal Depth Results

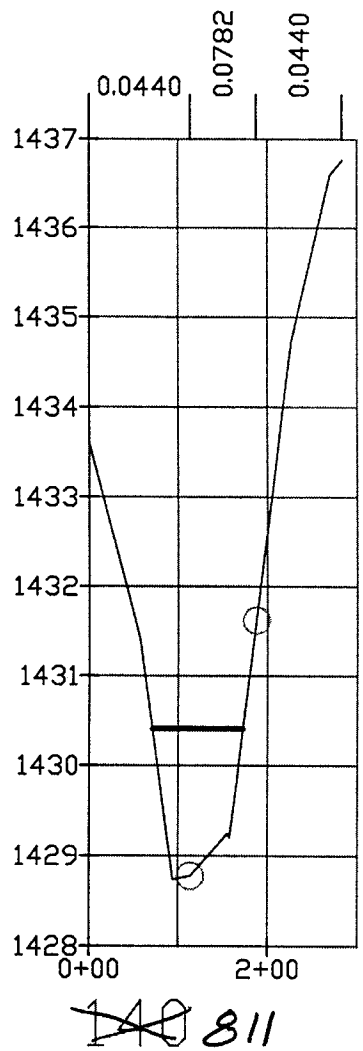
Cross-Section:	~~130~~ 806	
Elevation:	1429.52	ft MSL
Depth:	2.52	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.2944	
Flow Regime:	Subcritical	
Flow Area:	147.10	sq ft
Average Velocity:	2.65	ft/s
Maximum Velocity:	2.67	ft/s
Composite n:	0.0756	
Hydraulic Radius:	1.31	ft
Wetted Perimeter:	112.43	ft
Wetted Top Width:	112.30	ft
Critical Slope:	0.1461	ft/ft

File: T2N-R7W-S19W-X-SECTIONS.dwg Date: 5/16/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~130~~ 806

Entellus™



Normal Depth Results

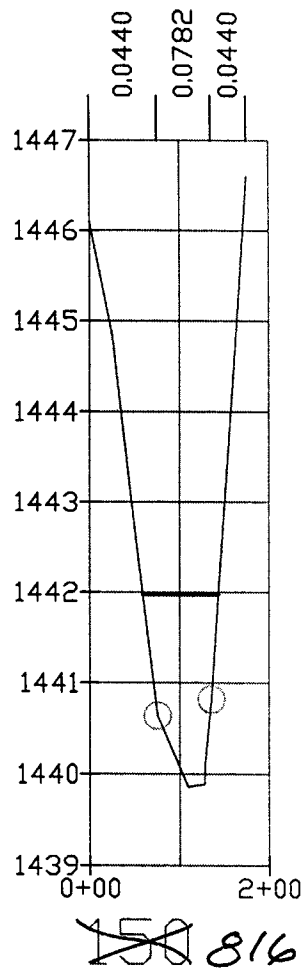
Cross-Section:	~~140~~ 811	
Elevation:	1430.41	ft MSL
Depth:	1.67	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.4382	
Flow Regime:	Subcritical	
Flow Area:	121.47	sq ft
Average Velocity:	3.19	ft/s
Maximum Velocity:	4.29	ft/s
Composite n:	0.065	
Hydraulic Radius:	1.19	ft
Wetted Perimeter:	101.79	ft
Wetted Top Width:	101.68	ft
Critical Slope:	0.0807	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~140~~ 811

Entellus™

File: T2N-R7W-S19W.dwg Date: 7/12/02



Normal Depth Results

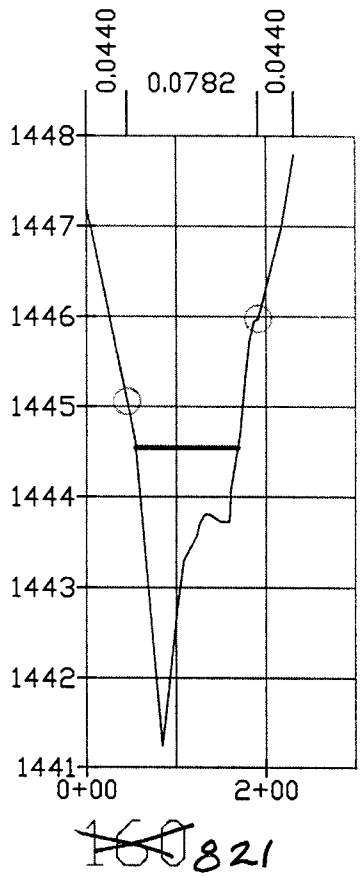
Cross-Section:	~~150~~ 816	
Elevation:	1441.98	ft MSL
Depth:	2.12	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3779	
Flow Regime:	Subcritical	
Flow Area:	125.07	sq ft
Average Velocity:	3.13	ft/s
Maximum Velocity:	3.17	ft/s
Composite n:	0.0691	
Hydraulic Radius:	1.47	ft
Wetted Perimeter:	84.81	ft
Wetted Top Width:	84.60	ft
Critical Slope:	0.0874	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~150~~ 816

Entellus™

File: T2N-R7W-S19W-X-SECTIONS.dwg Date: 5/16/02



Normal Depth Results

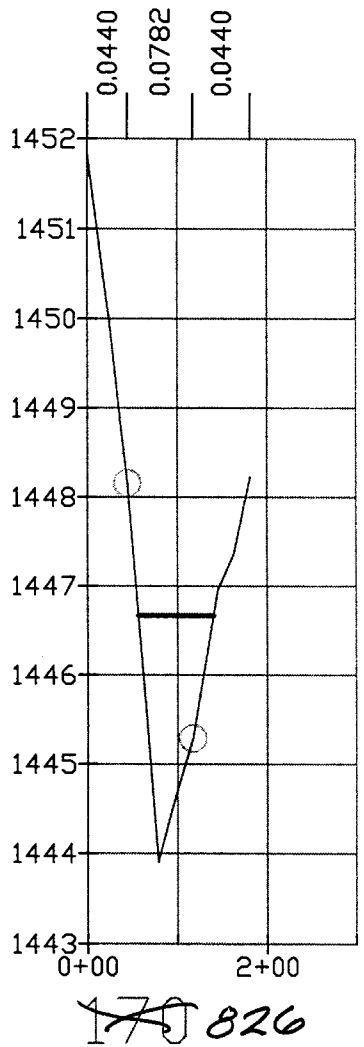
Cross-Section:	~~160~~ 821	
Elevation:	1444.55	ft MSL
Depth:	3.30	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.2508	
Flow Regime:	Subcritical	
Flow Area:	150.92	sq ft
Average Velocity:	2.57	ft/s
Maximum Velocity:	2.57	ft/s
Composite n:	0.0782	
Hydraulic Radius:	1.32	ft
Wetted Perimeter:	114.12	ft
Wetted Top Width:	113.79	ft
Critical Slope:	0.2013	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~160~~ 821

Entellus™

File: T2N-R7W-S19W-X-3BCTFJNS.dwg Date: 5/16/02



Normal Depth Results

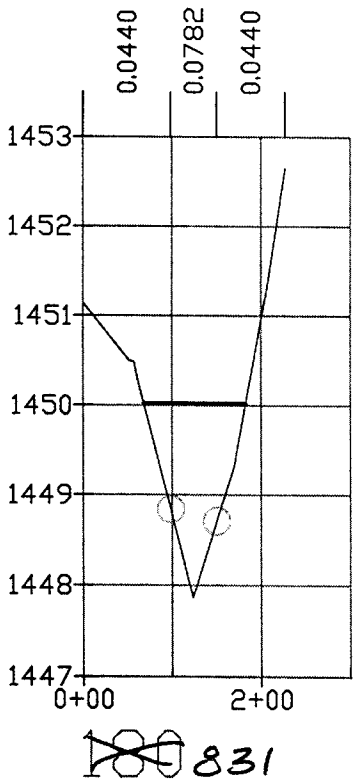
Cross-Section:	~~170~~ 826	
Elevation:	1446.67	ft MSL
Depth:	2.76	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3292	
Flow Regime:	Subcritical	
Flow Area:	125.74	sq ft
Average Velocity:	3.13	ft/s
Maximum Velocity:	3.15	ft/s
Composite n:	0.0696	
Hydraulic Radius:	1.49	ft
Wetted Perimeter:	84.24	ft
Wetted Top Width:	84.01	ft
Critical Slope:	0.1136	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~170~~ 826

Entellus™

File: T2N-R7W-S19W-X-3FCTF9N3.dwg Date: 5/16/02



Normal Depth Results

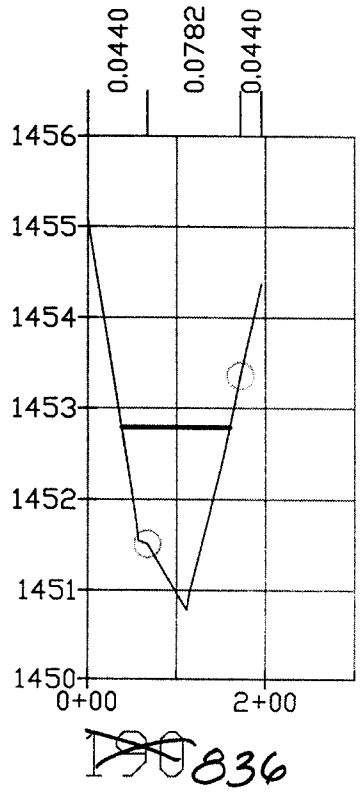
Cross-Section:	~~180~~ 831	
Elevation:	1450.02	ft MSL
Depth:	2.15	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3602	
Flow Regime:	Subcritical	
Flow Area:	130.15	sq ft
Average Velocity:	3.00	ft/s
Maximum Velocity:	3.10	ft/s
Composite n:	0.0606	
Hydraulic Radius:	1.13	ft
Wetted Perimeter:	114.67	ft
Wetted Top Width:	114.59	ft
Critical Slope:	0.0968	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~180~~ 831

Entellus™

File: T2N-R7W-S19W-X-SECTIONS.dwg Date: 5/16/02



Normal Depth Results

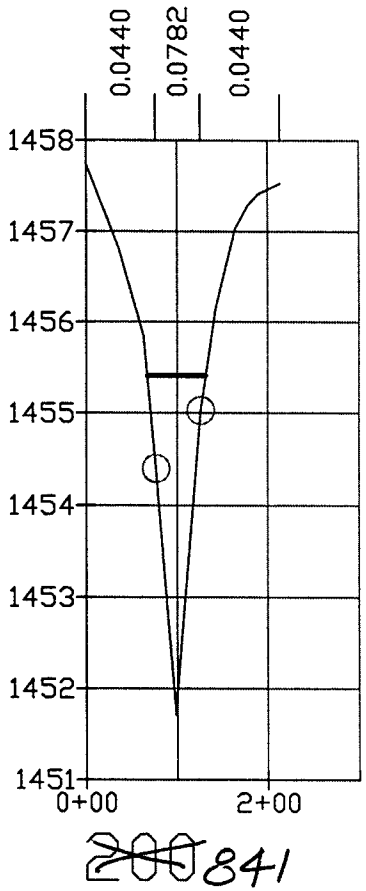
Cross-Section:	~~190~~ 836	
Elevation:	1452.79	ft MSL
Depth:	2.01	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.334	
Flow Regime:	Subcritical	
Flow Area:	145.05	sq ft
Average Velocity:	2.67	ft/s
Maximum Velocity:	3.31	ft/s
Composite n:	0.0708	
Hydraulic Radius:	1.19	ft
Wetted Perimeter:	121.90	ft
Wetted Top Width:	121.81	ft
Critical Slope:	0.116	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~190~~ 836

Entellus™

File: T2N-R7W-S19W-X-SECTIONS.dwg Date: 5/16/02



Normal Depth Results

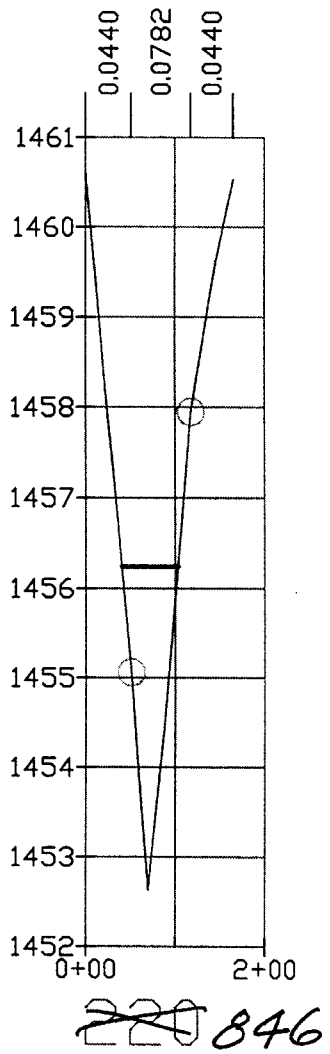
Cross-Section:	~~200~~ 841	
Elevation:	1455.41	ft MSL
Depth:	3.70	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3175	
Flow Regime:	Subcritical	
Flow Area:	112.50	sq ft
Average Velocity:	3.47	ft/s
Maximum Velocity:	3.54	ft/s
Composite n:	0.0709	
Hydraulic Radius:	1.73	ft
Wetted Perimeter:	64.91	ft
Wetted Top Width:	64.47	ft
Critical Slope:	0.1298	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~200~~ 841

Entellus™

File: T2N-R7W-S19W.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~220~~ 846	
Elevation:	1456.24	ft MSL
Depth:	3.61	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3157	
Flow Regime:	Subcritical	
Flow Area:	114.56	sq ft
Average Velocity:	3.40	ft/s
Maximum Velocity:	3.45	ft/s
Composite n:	0.0729	
Hydraulic Radius:	1.81	ft
Wetted Perimeter:	63.45	ft
Wetted Top Width:	63.03	ft
Critical Slope:	0.1265	ft/ft

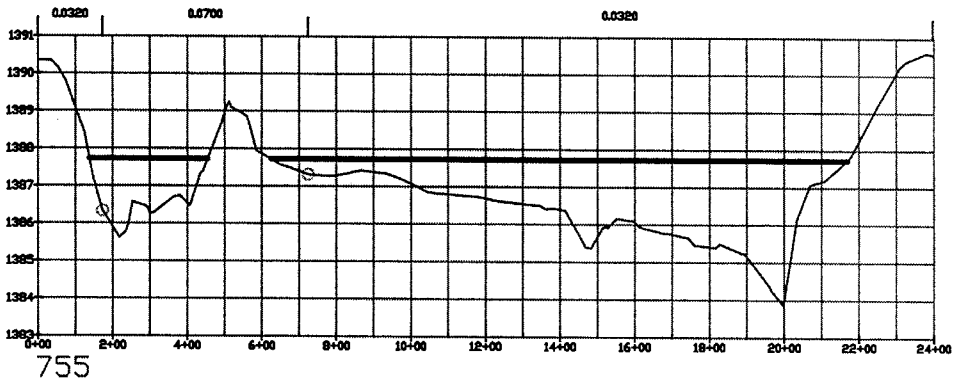
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R7W–S19W–~~220~~ 846

Entellus™

File: T2N-R7W-S19W-X-3FCTFONE.dwg Date: 5/16/02

T2N-R7W-S20E



Normal Depth Results

Cross-Section:	755	
Elevation:	1387.73	ft MSL
Depth:	3.87	ft
Discharge:	13450.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.4944	
Flow Regime:	Subcritical	
Flow Area:	2436.15	sq ft
Average Velocity:	5.54	ft/s
Maximum Velocity:	6.18	ft/s
Composite n:	0.0411	
Hydraulic Radius:	1.31	ft
Wetted Perimeter:	1862.67	ft
Wetted Top Width:	1862.48	ft
Critical Slope:	0.0665	ft/ft

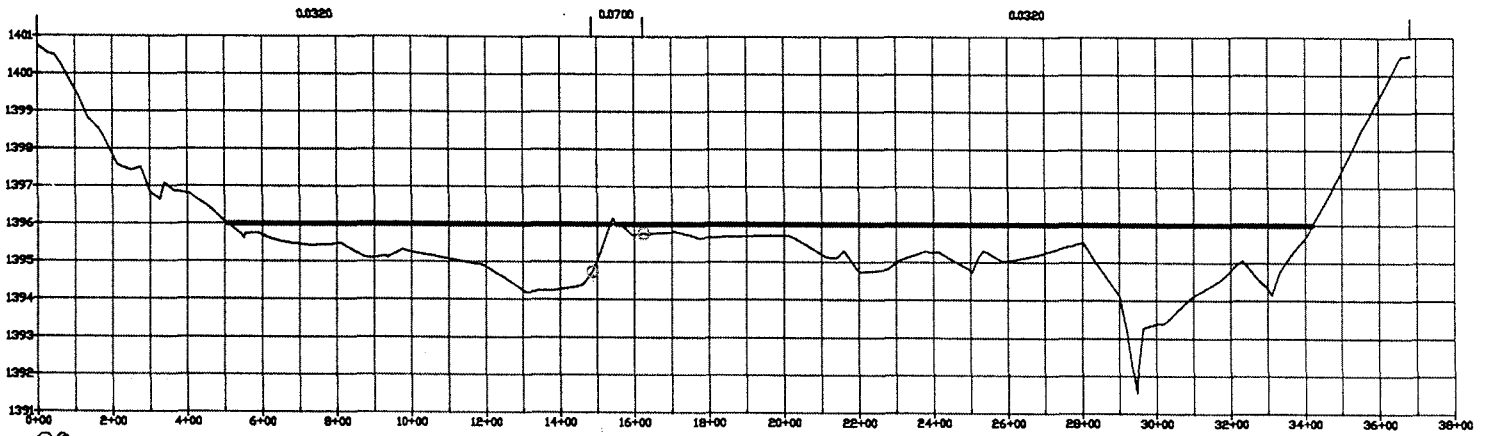
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20E–755

Entellus™

File: T2N-R7W-S20E.dwg Date: 5/16/02



~~20~~ 760

Normal Depth Results

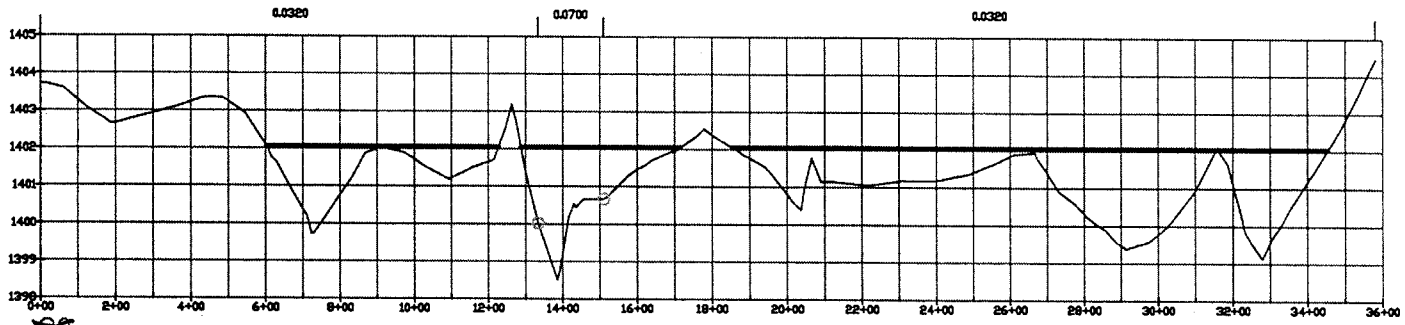
Cross-Section:	~~20~~ 760	
Elevation:	1396.00	ft MSL
Depth:	4.44	ft
Discharge:	13450.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.4037	
Flow Regime:	Subcritical	
Flow Area:	2786.59	sq ft
Average Velocity:	4.83	ft/s
Maximum Velocity:	4.97	ft/s
Composite n:	0.0339	
Hydraulic Radius:	0.96	ft
Wetted Perimeter:	2898.34	ft
Wetted Top Width:	2898.08	ft
Critical Slope:	0.0783	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20E–~~20~~ 760

Entellus™

File: T2N-R7W-S20E.dwg Date: 7/12/02



~~30~~ 765

Normal Depth Results

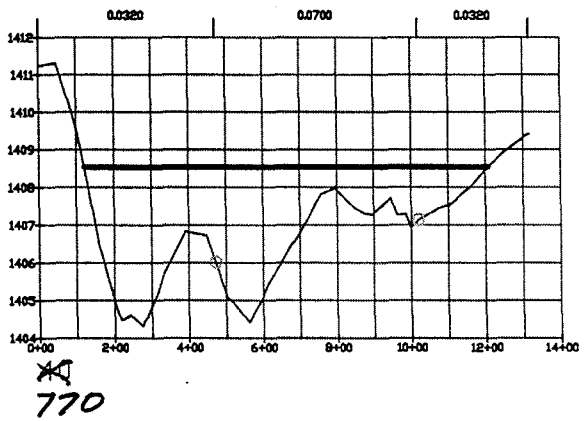
Cross-Section:	~~30~~ 765	
Elevation:	1402.05	ft MSL
Depth:	3.54	ft
Discharge:	13450.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.4494	
Flow Regime:	Subcritical	
Flow Area:	2804.64	sq ft
Average Velocity:	4.78	ft/s
Maximum Velocity:	5.16	ft/s
Composite n:	0.0351	
Hydraulic Radius:	1.06	ft
Wetted Perimeter:	2645.39	ft
Wetted Top Width:	2645.05	ft
Critical Slope:	0.0584	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20E–~~30~~ 765

Entellus™

File: T2N-R7W-S20E.dwg Date: 7/12/02



Normal Depth Results

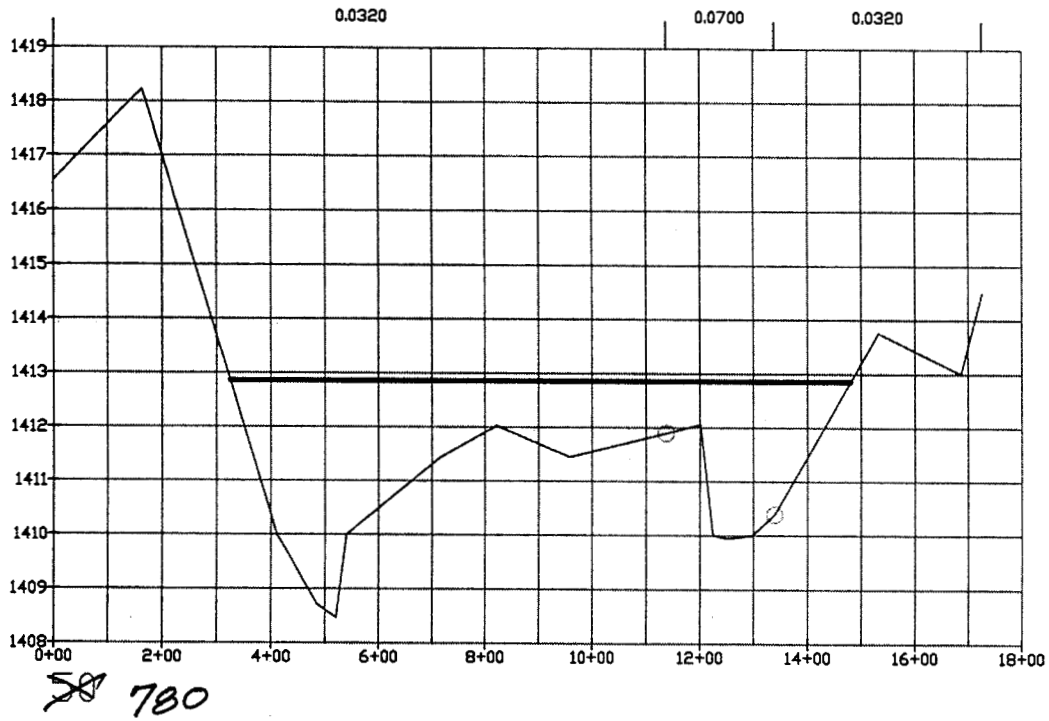
Cross-Section:	~~AC~~ 770	
Elevation:	1408.54	ft MSL
Depth:	4.22	ft
Discharge:	13260.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.5294	
Flow Regime:	Subcritical	
Flow Area:	2149.58	sq ft
Average Velocity:	6.18	ft/s
Maximum Velocity:	9.51	ft/s
Composite n:	0.0529	
Hydraulic Radius:	1.98	ft
Wetted Perimeter:	1086.80	ft
Wetted Top Width:	1086.60	ft
Critical Slope:	0.0689	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20E–~~76~~ 770

Entellus™

File: T2N-R7W-S20E.dwg Date: 7/12/02



Normal Depth Results

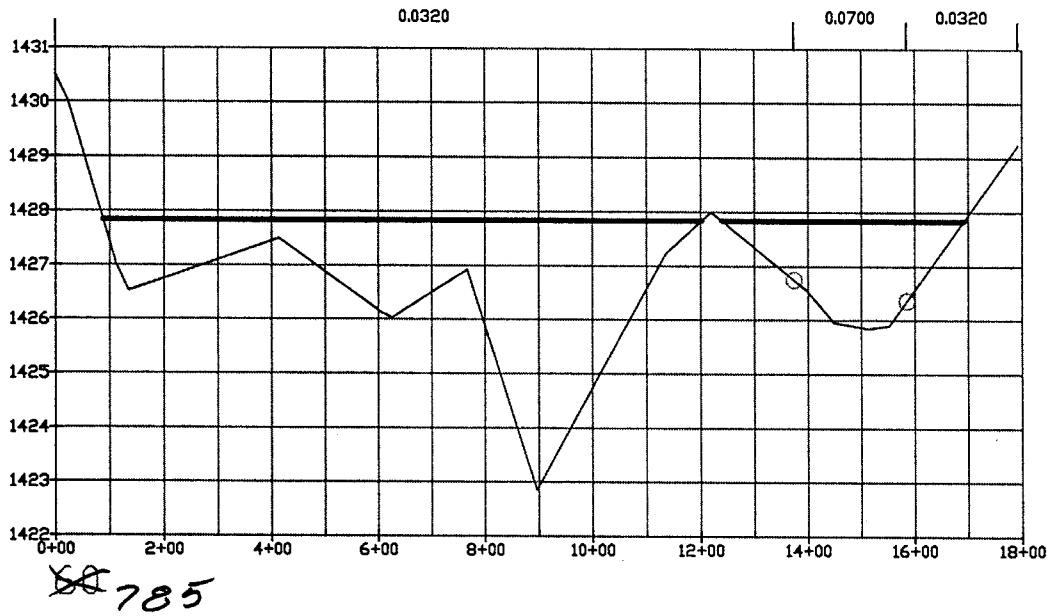
Cross-Section:	~~50~~ 780	
Elevation:	1412.86	ft MSL
Depth:	4.39	ft
Discharge:	13260.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.5426	
Flow Regime:	Subcritical	
Flow Area:	2056.64	sq ft
Average Velocity:	6.42	ft/s
Maximum Velocity:	7.29	ft/s
Composite n:	0.0398	
Hydraulic Radius:	1.78	ft
Wetted Perimeter:	1155.58	ft
Wetted Top Width:	1155.33	ft
Critical Slope:	0.0468	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20E–~~50~~ 780

Entellus™

File: T2N-k7W-S20E-New-Mapping.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	~~80~~ 785	
Elevation:	1427.84	ft MSL
Depth:	4.99	ft
Discharge:	13260.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.4591	
Flow Regime:	Subcritical	
Flow Area:	2279.53	sq ft
Average Velocity:	5.78	ft/s
Maximum Velocity:	6.36	ft/s
Composite n:	0.0381	
Hydraulic Radius:	1.45	ft
Wetted Perimeter:	1567.78	ft
Wetted Top Width:	1567.62	ft
Critical Slope:	0.0638	ft/ft

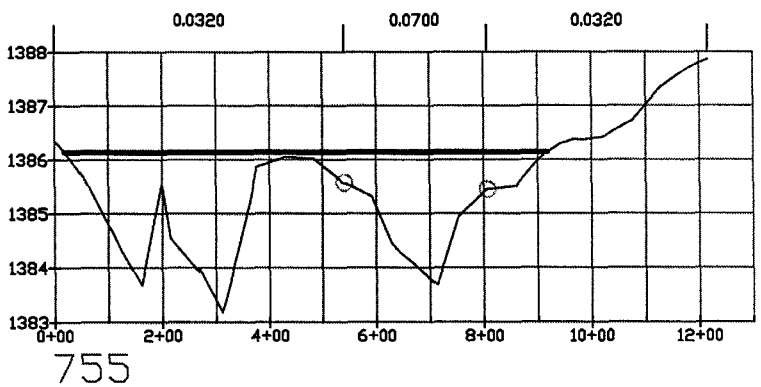
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20E–~~80~~ 785

Entellus™

File: T2N-k7W-S20E-New-Mapping.dwg; Date: 9/03/02

T2N-R7W-S20W



Normal Depth Results

Cross-Section:	755	
Elevation:	1386.14	ft MSL
Depth:	2.95	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.4556	
Flow Regime:	Subcritical	
Flow Area:	1031.64	sq ft
Average Velocity:	4.42	ft/s
Maximum Velocity:	5.49	ft/s
Composite n:	0.0448	
Hydraulic Radius:	1.15	ft
Wetted Perimeter:	899.57	ft
Wetted Top Width:	899.36	ft
Critical Slope:	0.0716	ft/ft

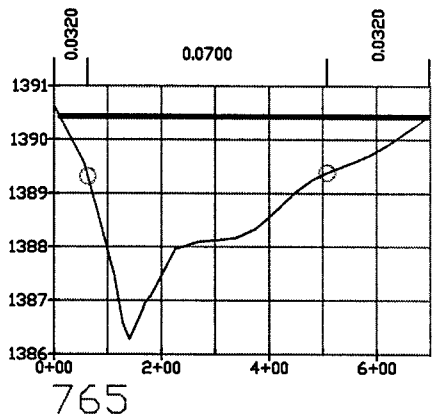
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–755

Entellus™

File: T2N-R7W-S20W.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	765	
Elevation:	1390.43	ft MSL
Depth:	4.15	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.3406	
Flow Regime:	Subcritical	
Flow Area:	1163.75	sq ft
Average Velocity:	3.94	ft/s
Maximum Velocity:	4.00	ft/s
Composite n:	0.0582	
Hydraulic Radius:	1.7	ft
Wetted Perimeter:	683.53	ft
Wetted Top Width:	683.43	ft
Critical Slope:	0.1003	ft/ft

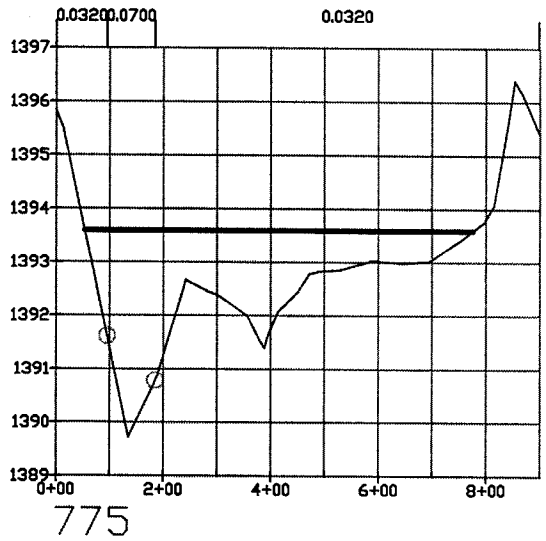
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–765

Entellus™

File: T2N-R7W-S20W.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	775	
Elevation:	1393.59	ft MSL
Depth:	3.87	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.4476	
Flow Regime:	Subcritical	
Flow Area:	916.84	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	5.03	ft/s
Composite n:	0.0376	
Hydraulic Radius:	1.27	ft
Wetted Perimeter:	722.31	ft
Wetted Top Width:	722.15	ft
Critical Slope:	0.0579	ft/ft

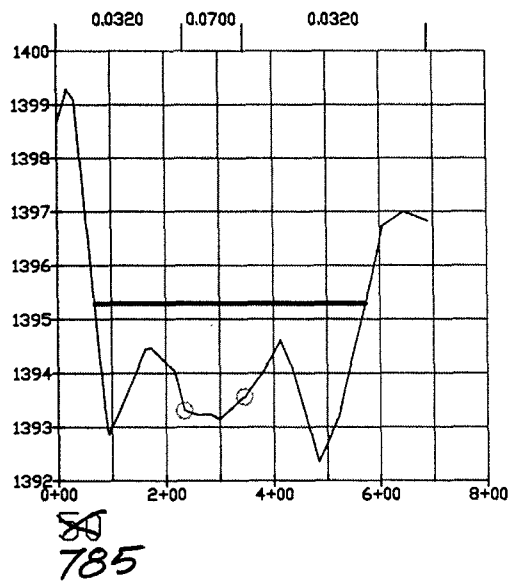
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–775

Entellus™

File: T2N-R7W-S20W.dwg; Date: 9/03/02



Normal Depth Results

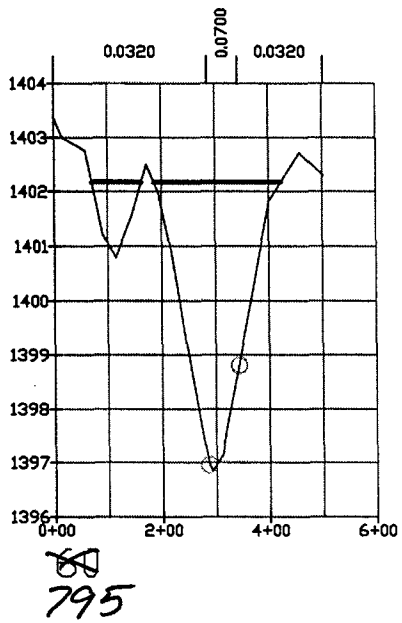
Cross-Section:	~~50~~ 785	
Elevation:	1395.29	ft MSL
Depth:	2.94	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.5848	
Flow Regime:	Subcritical	
Flow Area:	804.77	sq ft
Average Velocity:	5.72	ft/s
Maximum Velocity:	6.72	ft/s
Composite n:	0.0418	
Hydraulic Radius:	1.59	ft
Wetted Perimeter:	504.66	ft
Wetted Top Width:	504.41	ft
Critical Slope:	0.04	ft/ft

File: T2N-R7W-S20W.dwg; Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~50~~ 785

Entellus™



Normal Depth Results

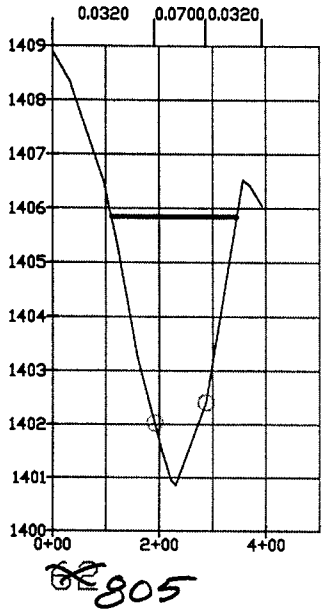
Cross-Section:	~~60~~ 795	
Elevation:	1402.18	ft MSL
Depth:	5.32	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.5062	
Flow Regime:	Subcritical	
Flow Area:	691.71	sq ft
Average Velocity:	6.62	ft/s
Maximum Velocity:	6.97	ft/s
Composite n:	0.0397	
Hydraulic Radius:	2.09	ft
Wetted Perimeter:	330.79	ft
Wetted Top Width:	330.47	ft
Critical Slope:	0.0456	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~60~~795

Entellus™

File: T2N-k7W-S20W.dwg; Date: 7/12/02



Normal Depth Results

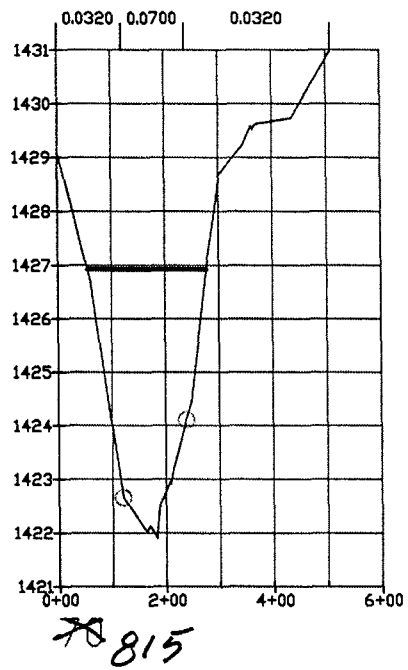
Cross-Section:	~~02~~ 805	
Elevation:	1405.85	ft MSL
Depth:	4.99	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.5322	
Flow Regime:	Subcritical	
Flow Area:	679.48	sq ft
Average Velocity:	6.72	ft/s
Maximum Velocity:	8.03	ft/s
Composite n:	0.0493	
Hydraulic Radius:	2.89	ft
Wetted Perimeter:	235.29	ft
Wetted Top Width:	235.06	ft
Critical Slope:	0.0427	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~02~~ 805

Entellus™

File: T2N-K7W-S20W.dwg, Date: 7/12/02



Normal Depth Results

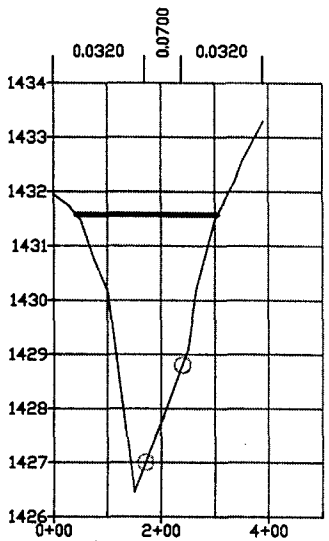
Cross-Section:	~~70~~ 815	
Elevation:	1426.93	ft MSL
Depth:	5.03	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.513	
Flow Regime:	Subcritical	
Flow Area:	701.78	sq ft
Average Velocity:	6.51	ft/s
Maximum Velocity:	8.14	ft/s
Composite n:	0.0539	
Hydraulic Radius:	3.16	ft
Wetted Perimeter:	222.39	ft
Wetted Top Width:	222.06	ft
Critical Slope:	0.0458	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~70~~ 815

Entellus™

File: T2N-R7W-S20W.dwg Date: 7/12/02



~~88~~
825

Normal Depth Results

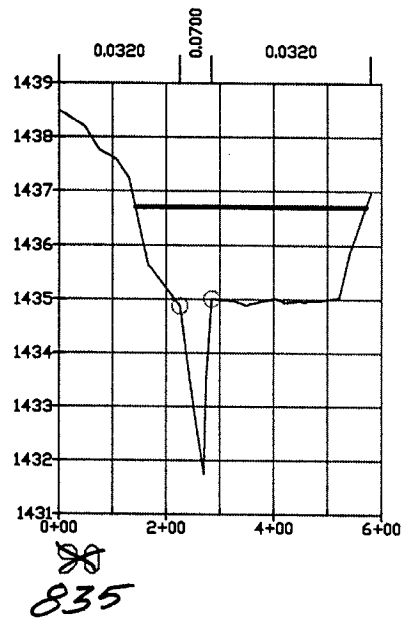
Cross-Section:	~~88~~ 825	
Elevation:	1431.58	ft MSL
Depth:	5.12	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.5567	
Flow Regime:	Subcritical	
Flow Area:	640.86	sq ft
Average Velocity:	7.13	ft/s
Maximum Velocity:	8.85	ft/s
Composite n:	0.0434	
Hydraulic Radius:	2.43	ft
Wetted Perimeter:	263.77	ft
Wetted Top Width:	263.51	ft
Critical Slope:	0.0429	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~88~~ 825

Entellus™

File: T2N-R7W-S20W.dwg Date: 9/03/02



Normal Depth Results

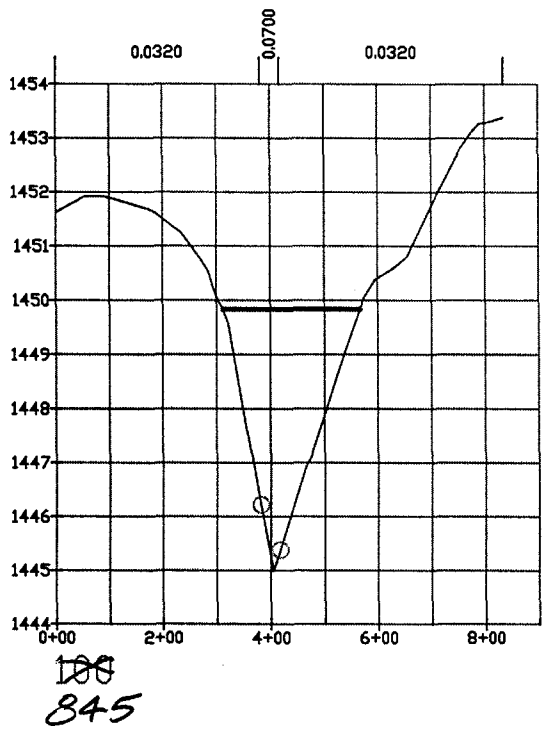
Cross-Section:	~~90~~ 835	
Elevation:	1436.71	ft MSL
Depth:	4.96	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.4882	
Flow Regime:	Subcritical	
Flow Area:	742.79	sq ft
Average Velocity:	6.16	ft/s
Maximum Velocity:	6.76	ft/s
Composite n:	0.0383	
Hydraulic Radius:	1.73	ft
Wetted Perimeter:	429.39	ft
Wetted Top Width:	428.76	ft
Critical Slope:	0.0508	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~90~~ 835

Entellus™

File: T2N-R7W-S20W.dwg, Date: 7/12/02



Normal Depth Results

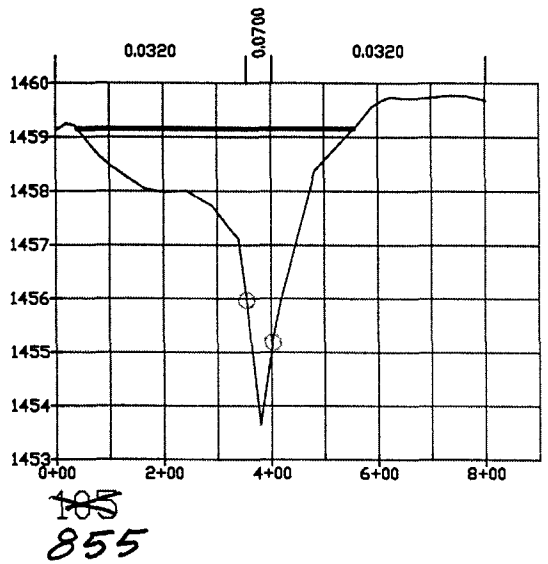
Cross-Section:	~~100~~ 845	
Elevation:	1449.84	ft MSL
Depth:	4.85	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.6089	
Flow Regime:	Subcritical	
Flow Area:	602.15	sq ft
Average Velocity:	7.58	ft/s
Maximum Velocity:	8.45	ft/s
Composite n:	0.0383	
Hydraulic Radius:	2.35	ft
Wetted Perimeter:	256.05	ft
Wetted Top Width:	255.84	ft
Critical Slope:	0.033	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~100~~ 845

Entellus™

File: T2N-k7W-S20W.dwg; Date: 7/12/02



Normal Depth Results

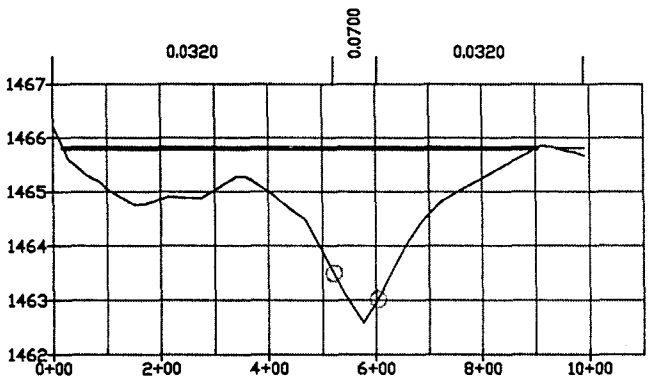
Cross-Section:	~~105~~ 855	
Elevation:	1459.16	ft MSL
Depth:	5.51	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.4383	
Flow Regime:	Subcritical	
Flow Area:	784.65	sq ft
Average Velocity:	5.85	ft/s
Maximum Velocity:	6.27	ft/s
Composite n:	0.0362	
Hydraulic Radius:	1.5	ft
Wetted Perimeter:	521.98	ft
Wetted Top Width:	521.70	ft
Critical Slope:	0.061	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~105~~ 855

Entellus™

File: T2N-R7W-S20W.dwg, Date: 7/12/02



~~115~~
865

Normal Depth Results

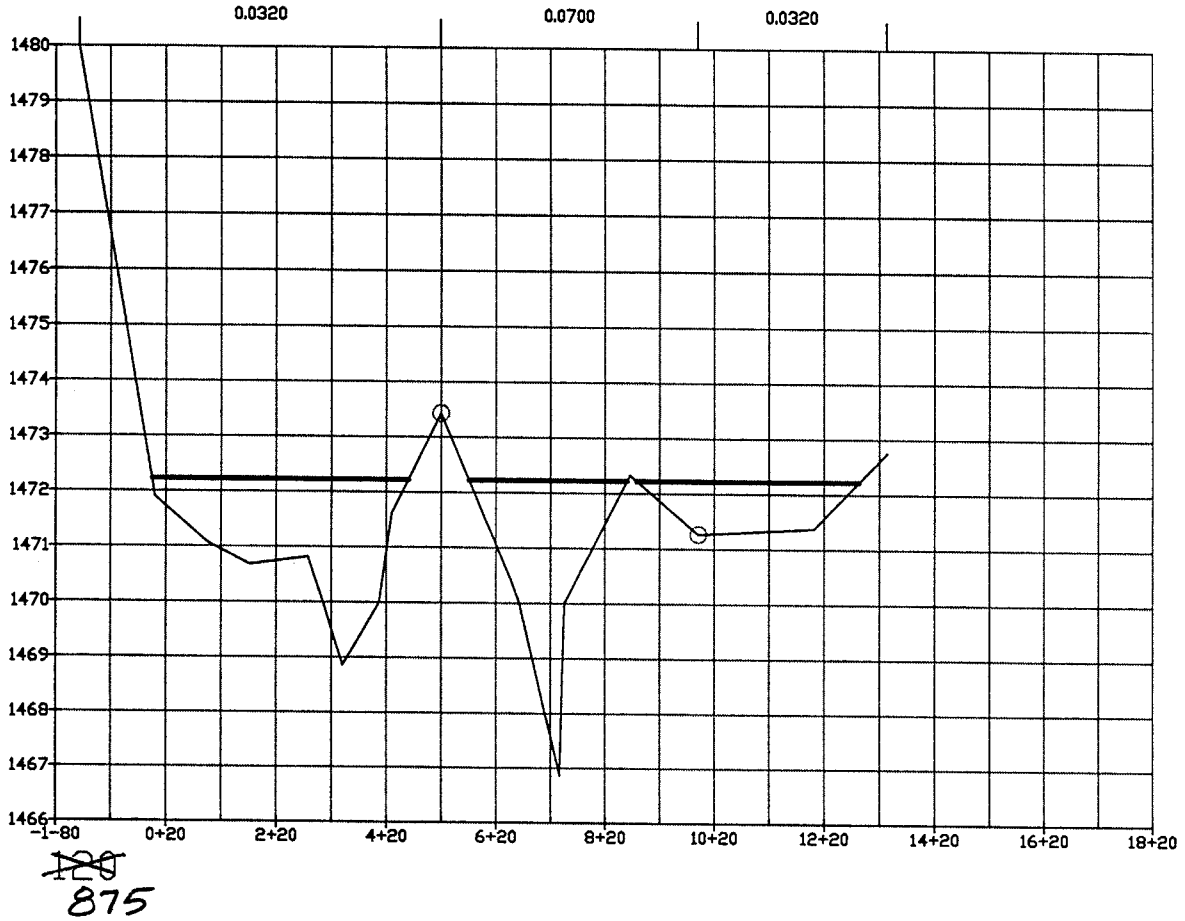
Cross-Section:	~~115~~ 865	
Elevation:	1465.81	ft MSL
Depth:	3.22	ft
Discharge:	4580.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.4523	
Flow Regime:	Subcritical	
Flow Area:	994.52	sq ft
Average Velocity:	4.64	ft/s
Maximum Velocity:	4.71	ft/s
Composite n:	0.036	
Hydraulic Radius:	1.06	ft
Wetted Perimeter:	934.85	ft
Wetted Top Width:	934.80	ft
Critical Slope:	0.0558	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~115~~ 865

Entellus™

File: T2N-k7W-S20W.dwg; Date: 7/12/02



Normal Depth Results

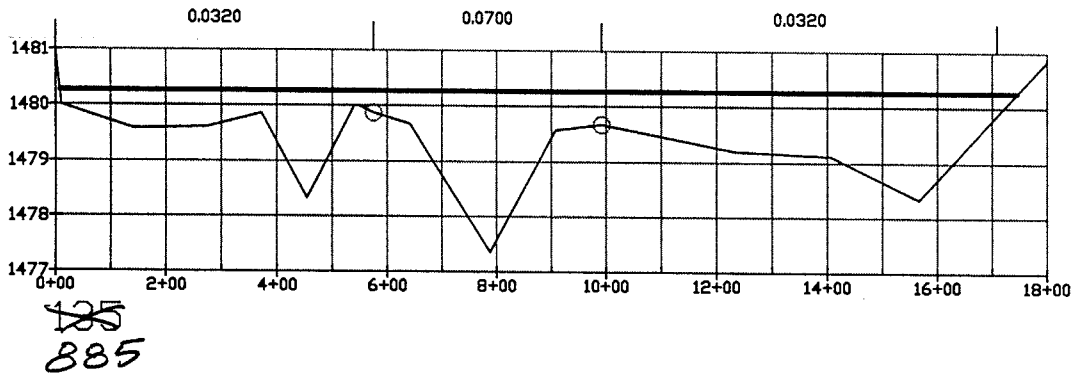
Cross-Section:	~~120~~ 875	
Elevation:	1472.23	ft MSL
Depth:	5.36	ft
Discharge:	7460.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.3713	
Flow Regime:	Subcritical	
Flow Area:	1529.99	sq ft
Average Velocity:	4.85	ft/s
Maximum Velocity:	6.63	ft/s
Composite n:	0.0469	
Hydraulic Radius:	1.32	ft
Wetted Perimeter:	1161.39	ft
Wetted Top Width:	1160.64	ft
Critical Slope:	0.1185	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~T26~~ 875

Entellus™

File: T2N-R7W-S20W-NEW-MAPPING.dwg, Date: 9/03/02



Normal Depth Results

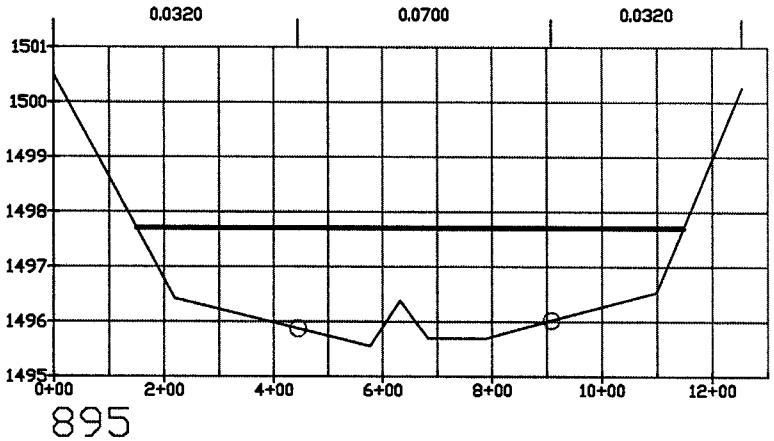
Cross-Section:	~~135~~ 885	
Elevation:	1480.27	ft MSL
Depth:	2.91	ft
Discharge:	7460.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.4351	
Flow Regime:	Subcritical	
Flow Area:	1773.14	sq ft
Average Velocity:	4.20	ft/s
Maximum Velocity:	5.26	ft/s
Composite n:	0.0426	
Hydraulic Radius:	1.02	ft
Wetted Perimeter:	1737.46	ft
Wetted Top Width:	1737.36	ft
Critical Slope:	0.0743	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–~~135~~ 885

Entellus™

File: T2N-R7W-S20W-NEW-MAPPING.dwg Date: 10/21/02



Normal Depth Results

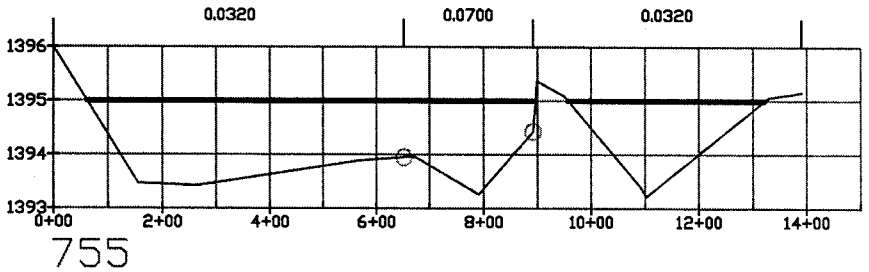
Cross-Section:	895	
Elevation:	1497.71	ft MSL
Depth:	2.16	ft
Discharge:	7230.00	cfs
Energy Gradient:	0.0116	ft/ft
Froude Number:	0.5501	
Flow Regime:	Subcritical	
Flow Area:	1577.68	sq ft
Average Velocity:	4.61	ft/s
Maximum Velocity:	6.11	ft/s
Composite n:	0.0514	
Hydraulic Radius:	1.58	ft
Wetted Perimeter:	997.50	ft
Wetted Top Width:	997.46	ft
Critical Slope:	0.0448	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R7W–S20W–895

File: T2N-R7W-S20W-NEW-MAPPING.dwg Date: 9/03/02

T2N-R8W-S01



Normal Depth Results

Cross-Section:	755	
Elevation:	1395.00	ft MSL
Depth:	1.78	ft
Discharge:	6880.00	cfs
Energy Gradient:	0.0124	ft/ft
Froude Number:	0.6628	
Flow Regime:	Subcritical	
Flow Area:	1369.99	sq ft
Average Velocity:	5.01	ft/s
Maximum Velocity:	6.04	ft/s
Composite n:	0.0409	
Hydraulic Radius:	1.14	ft
Wetted Perimeter:	1200.16	ft
Wetted Top Width:	1200.09	ft
Critical Slope:	0.0363	ft/ft

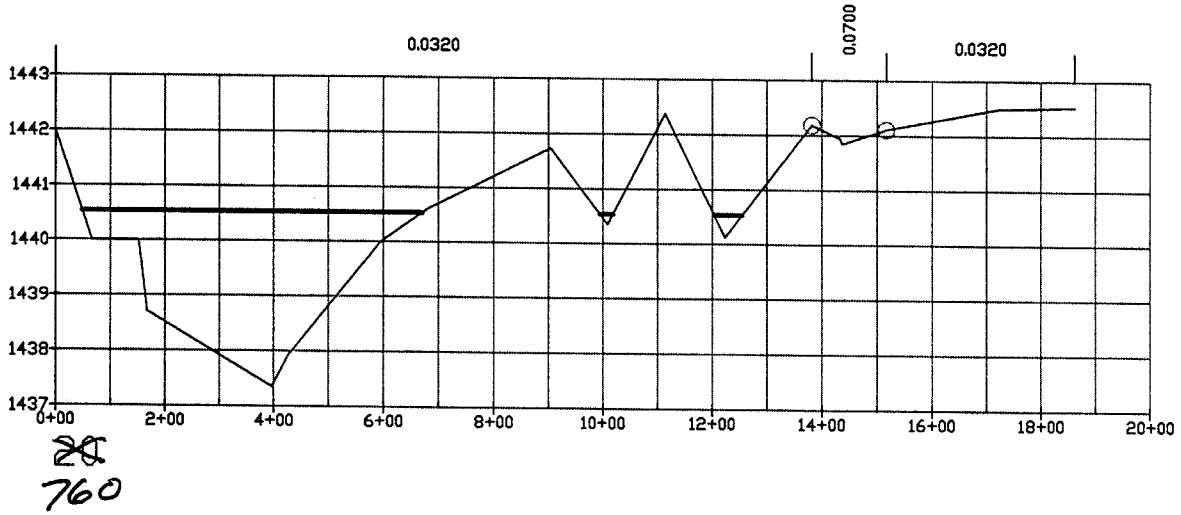
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T2N–R8W–S01–755

Entellus™

File: T2N-R8W-S01-Bottom-New-Mapping.dwg, Date: 5/16/02



Normal Depth Results

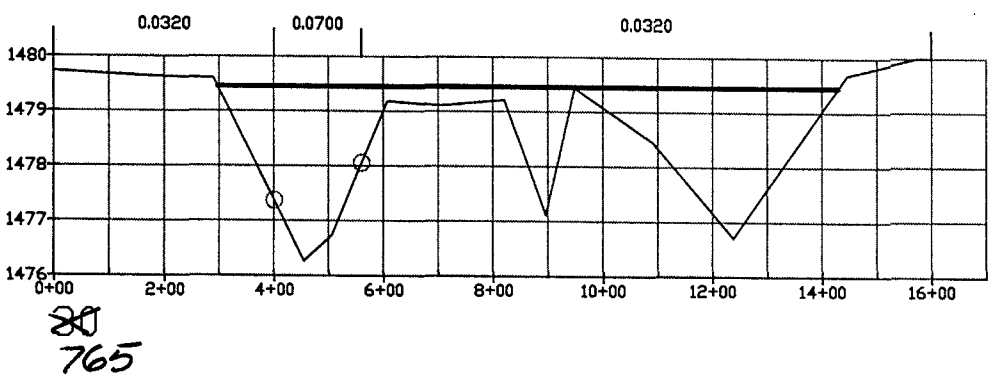
Cross-Section:	~~20~~ 760	
Elevation:	1440.54	ft MSL
Depth:	3.18	ft
Discharge:	6880.00	cfs
Energy Gradient:	0.0124	ft/ft
Froude Number:	0.662	
Flow Regime:	Subcritical	
Flow Area:	1027.87	sq ft
Average Velocity:	6.71	ft/s
Maximum Velocity:	6.71	ft/s
Composite n:	0.032	
Hydraulic Radius:	1.47	ft
Wetted Perimeter:	697.52	ft
Wetted Top Width:	697.42	ft
Critical Slope:	0.0281	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T2N–R8W–S01–~~20~~ 760

Entellus™

File: T2N-R8W-S01-Bottom-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

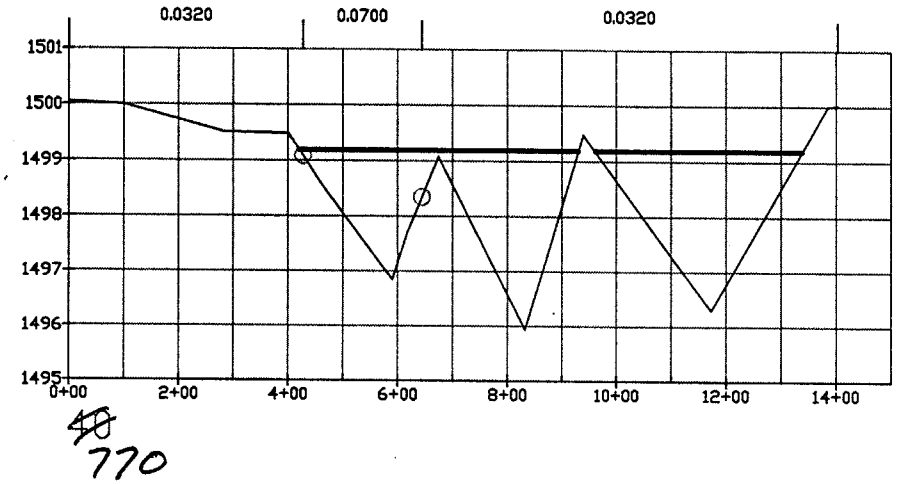
Cross-Section:	~~80~~ 765	
Elevation:	1479.45	ft MSL
Depth:	3.18	ft
Discharge:	6880.00	cfs
Energy Gradient:	0.0124	ft/ft
Froude Number:	0.4922	
Flow Regime:	Subcritical	
Flow Area:	1380.94	sq ft
Average Velocity:	4.97	ft/s
Maximum Velocity:	5.33	ft/s
Composite n:	0.0384	
Hydraulic Radius:	1.22	ft
Wetted Perimeter:	1132.34	ft
Wetted Top Width:	1132.16	ft
Critical Slope:	0.0522	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T2N–R8W–S01–~~80~~ 765

Entellus™

File: T2N-R8W-S01-Bottom-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

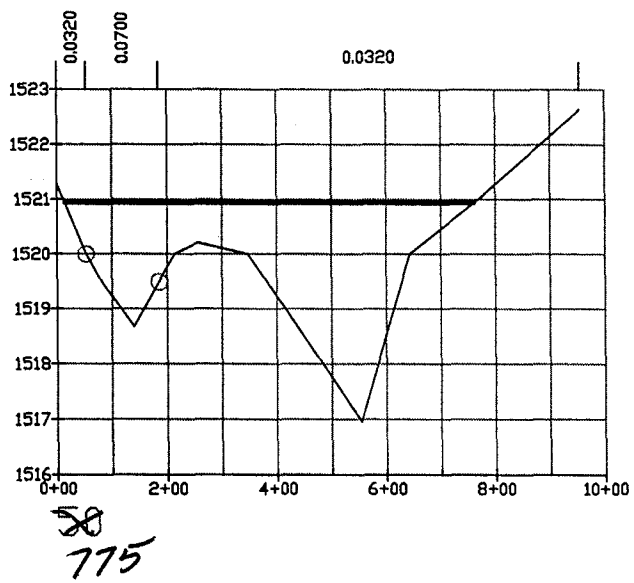
Cross-Section:	~~40~~ 770	
Elevation:	1499.19	ft MSL
Depth:	3.25	ft
Discharge:	6880.00	cfs
Energy Gradient:	0.0106	ft/ft
Froude Number:	0.5284	
Flow Regime:	Subcritical	
Flow Area:	1272.99	sq ft
Average Velocity:	5.43	ft/s
Maximum Velocity:	6.24	ft/s
Composite n:	0.0427	
Hydraulic Radius:	1.43	ft
Wetted Perimeter:	888.38	ft
Wetted Top Width:	888.21	ft
Critical Slope:	0.0533	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T2N–R8W–S01–~~40~~ 770

Entellus™

File: T2N-R8W-S01-Bottom-New-Mapping.dwg Date: 9/17/12



Normal Depth Results

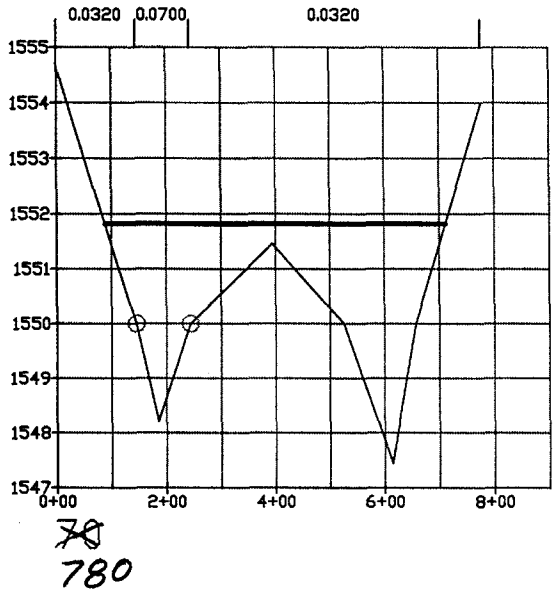
Cross-Section:	~~50~~ 775	
Elevation:	1520.94	ft MSL
Depth:	3.97	ft
Discharge:	6880.00	cfs
Energy Gradient:	0.0106	ft/ft
Froude Number:	0.5194	
Flow Regime:	Subcritical	
Flow Area:	1171.90	sq ft
Average Velocity:	5.86	ft/s
Maximum Velocity:	6.59	ft/s
Composite n:	0.0399	
Hydraulic Radius:	1.57	ft
Wetted Perimeter:	746.69	ft
Wetted Top Width:	746.58	ft
Critical Slope:	0.0503	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T2N–R8W–S01–~~50~~ 775

Entellus™

File: T2N-R8W-S01-Bottom-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

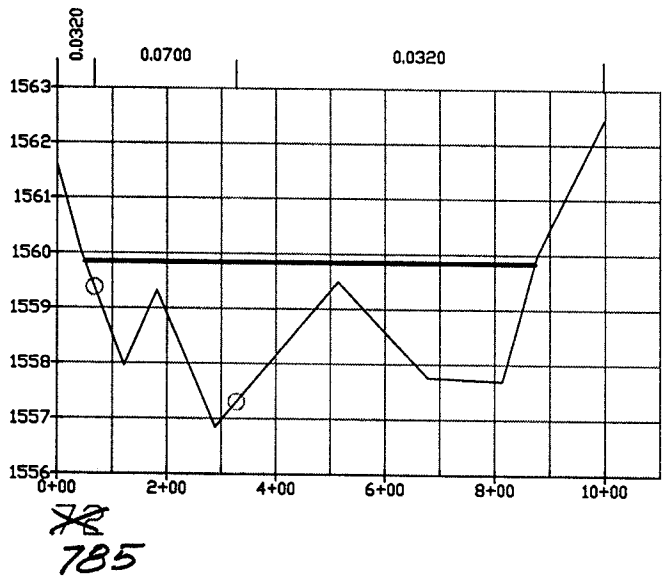
Cross-Section:	~~78~~ 780	
Elevation:	1551.82	ft MSL
Depth:	4.37	ft
Discharge:	6480.00	cfs
Energy Gradient:	0.0106	ft/ft
Froude Number:	0.5038	
Flow Regime:	Subcritical	
Flow Area:	1084.51	sq ft
Average Velocity:	5.95	ft/s
Maximum Velocity:	6.65	ft/s
Composite n:	0.0391	
Hydraulic Radius:	1.74	ft
Wetted Perimeter:	623.98	ft
Wetted Top Width:	623.73	ft
Critical Slope:	0.0465	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T2N–R8W–S01–~~78~~ 780

Entellus™

File: T2N-R8W-S01-Bottom-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

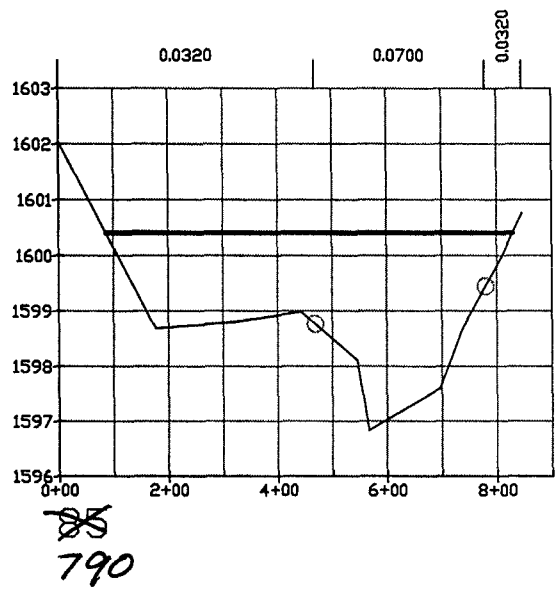
Cross-Section:	~~72~~ 785	
Elevation:	1559.85	ft MSL
Depth:	3.00	ft
Discharge:	6480.00	cfs
Energy Gradient:	0.0106	ft/ft
Froude Number:	0.526	
Flow Regime:	Subcritical	
Flow Area:	1254.62	sq ft
Average Velocity:	5.17	ft/s
Maximum Velocity:	6.29	ft/s
Composite n:	0.0456	
Hydraulic Radius:	1.52	ft
Wetted Perimeter:	823.07	ft
Wetted Top Width:	822.94	ft
Critical Slope:	0.0516	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T2N–R8W–S01–~~72~~ 785

Entellus™

File: T2N-R8W-S01-Bottom-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

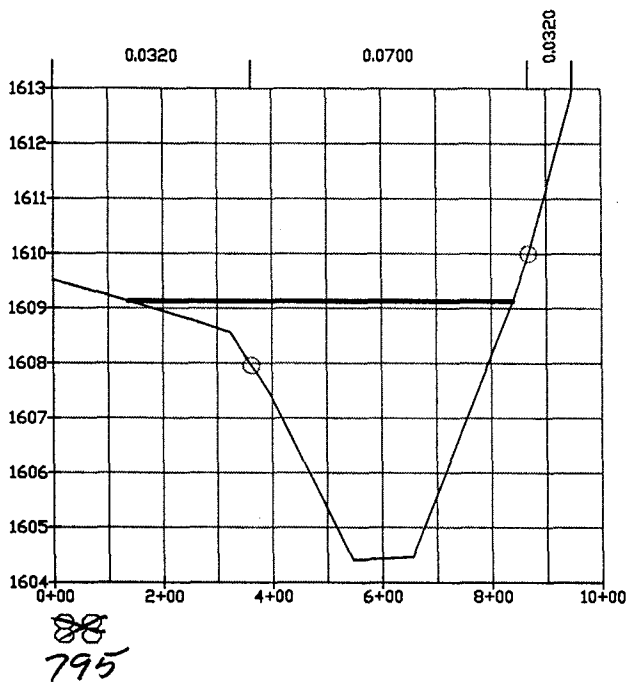
Cross-Section:	~~85~~ 790	
Elevation:	1600.41	ft MSL
Depth:	3.57	ft
Discharge:	6480.00	cfs
Energy Gradient:	0.0106	ft/ft
Froude Number:	0.4488	
Flow Regime:	Subcritical	
Flow Area:	1346.84	sq ft
Average Velocity:	4.83	ft/s
Maximum Velocity:	6.06	ft/s
Composite n:	0.0497	
Hydraulic Radius:	1.81	ft
Wetted Perimeter:	744.20	ft
Wetted Top Width:	744.11	ft
Critical Slope:	0.058	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T2N–R8W–S01–~~85~~ 790

Entellus™

File: T2N-R8W-S01-Bottom-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

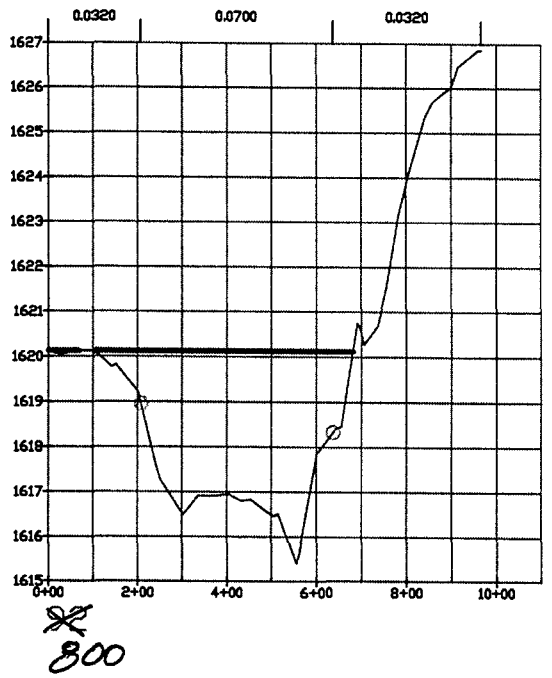
Cross-Section:	~~88~~ 795	
Elevation:	1609.13	ft MSL
Depth:	4.72	ft
Discharge:	6480.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.3381	
Flow Regime:	Subcritical	
Flow Area:	1554.60	sq ft
Average Velocity:	4.17	ft/s
Maximum Velocity:	4.28	ft/s
Composite n:	0.0591	
Hydraulic Radius:	2.21	ft
Wetted Perimeter:	702.67	ft
Wetted Top Width:	702.57	ft
Critical Slope:	0.0831	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T2N–R8W–S01–~~88~~795

Entellus™

File: T2N-R8W-S01-Bottom-New-Mapping.dwg Date: 9/19/12



Normal Depth Results

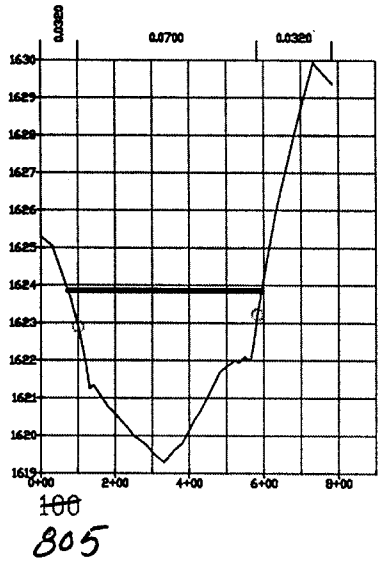
Cross-Section:	~~92~~ 800	
Elevation:	1620.13	ft MSL
Depth:	4.72	ft
Discharge:	6340.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.3491	
Flow Regime:	Subcritical	
Flow Area:	1473.92	sq ft
Average Velocity:	4.32	ft/s
Maximum Velocity:	4.98	ft/s
Composite n:	0.0586	
Hydraulic Radius:	2.28	ft
Wetted Perimeter:	647.59	ft
Wetted Top Width:	647.40	ft
Critical Slope:	0.0786	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~92~~ 800

Entellus™

File: T2N-R8W-S01-Bottom.dwg Date: 7/12/02



Normal Depth Results

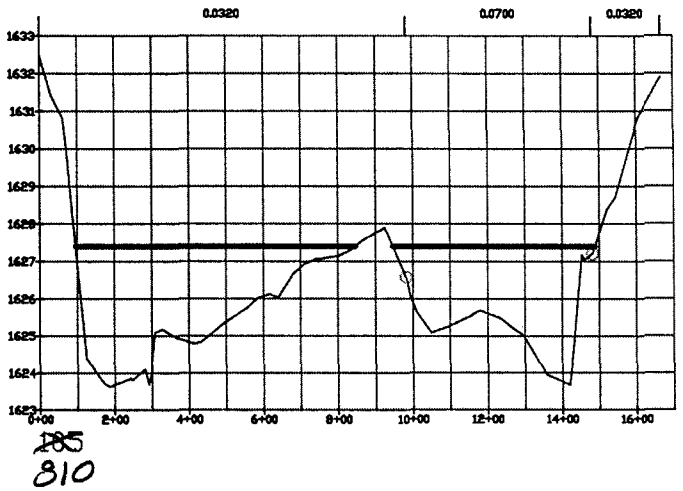
Cross-Section:	~~100~~ 805	
Elevation:	1623.85	ft MSL
Depth:	4.56	ft
Discharge:	6340.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.3505	
Flow Regime:	Subcritical	
Flow Area:	1492.93	sq ft
Average Velocity:	4.24	ft/s
Maximum Velocity:	4.26	ft/s
Composite n:	0.0675	
Hydraulic Radius:	2.87	ft
Wetted Perimeter:	520.91	ft
Wetted Top Width:	520.75	ft
Critical Slope:	0.0741	ft/ft

File: T2N-R8W-S01-Top.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~100~~ 805

Entellus™



Normal Depth Results

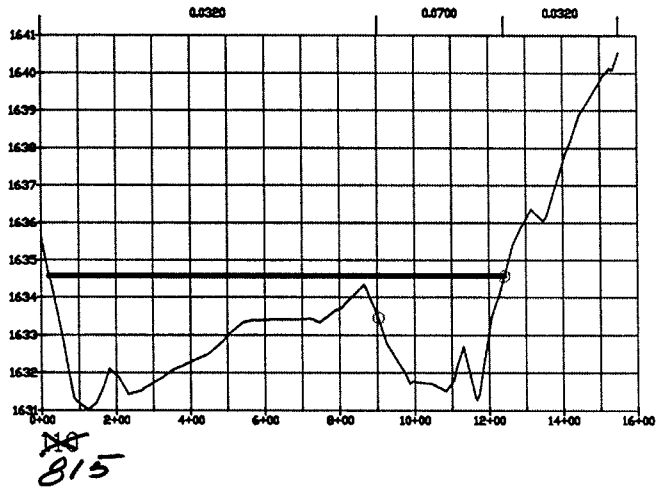
Cross-Section:	~~185~~ 810	
Elevation:	1627.40	ft MSL
Depth:	3.77	ft
Discharge:	13550.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.4792	
Flow Regime:	Subcritical	
Flow Area:	2565.97	sq ft
Average Velocity:	5.29	ft/s
Maximum Velocity:	6.70	ft/s
Composite n:	0.0484	
Hydraulic Radius:	1.98	ft
Wetted Perimeter:	1293.93	ft
Wetted Top Width:	1293.45	ft
Critical Slope:	0.0515	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–1~~85~~ 810

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

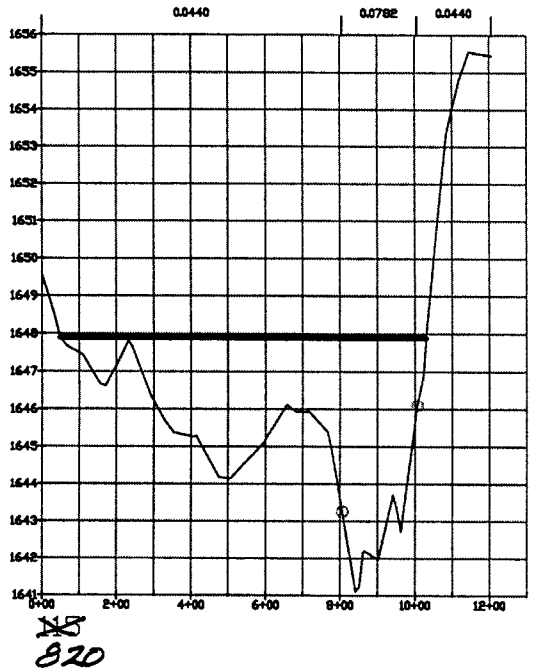
Cross-Section:	~~110~~ 815	
Elevation:	1634.58	ft MSL
Depth:	3.55	ft
Discharge:	13550.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.5266	
Flow Regime:	Subcritical	
Flow Area:	2408.54	sq ft
Average Velocity:	5.63	ft/s
Maximum Velocity:	6.64	ft/s
Composite n:	0.0441	
Hydraulic Radius:	1.97	ft
Wetted Perimeter:	1222.00	ft
Wetted Top Width:	1221.73	ft
Critical Slope:	0.0404	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~110~~ 815

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

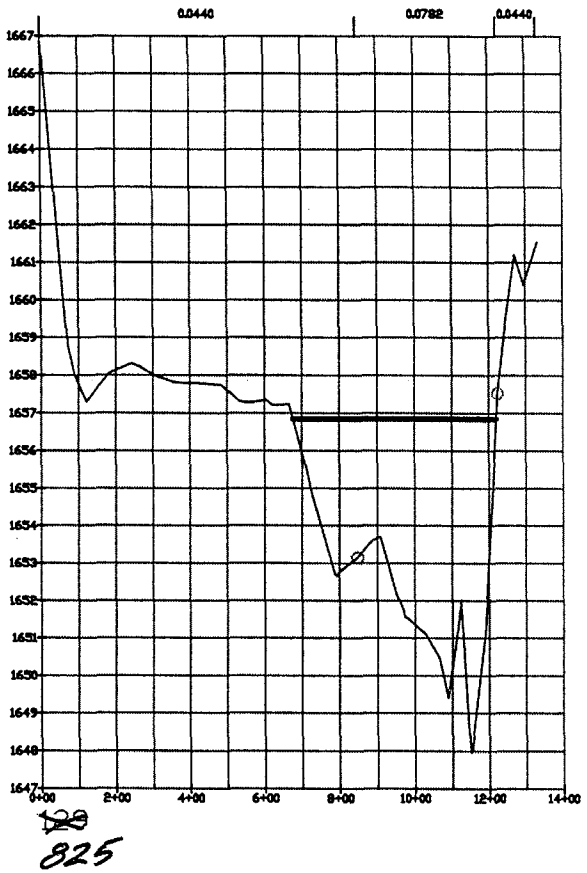
Cross-Section:	~~115~~ 820	
Elevation:	1647.90	ft MSL
Depth:	6.78	ft
Discharge:	13550.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.3534	
Flow Regime:	Subcritical	
Flow Area:	2595.63	sq ft
Average Velocity:	5.22	ft/s
Maximum Velocity:	5.34	ft/s
Composite n:	0.0518	
Hydraulic Radius:	2.64	ft
Wetted Perimeter:	982.14	ft
Wetted Top Width:	981.61	ft
Critical Slope:	0.0723	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~115~~ 820

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

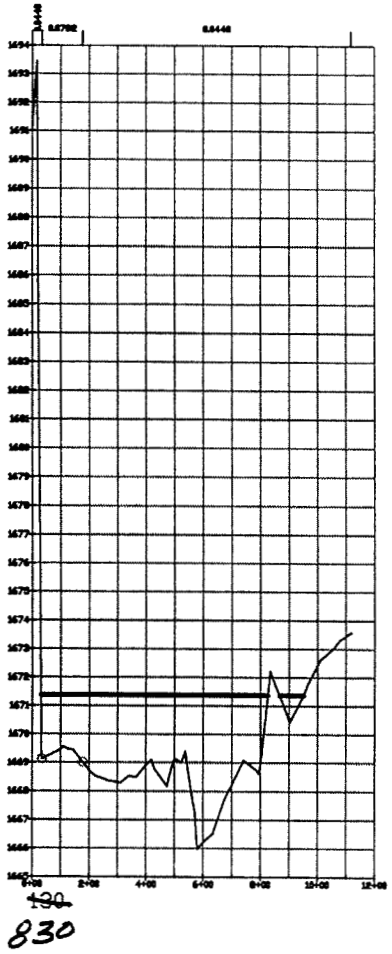
Cross-Section:	~~129~~ 825	
Elevation:	1656.84	ft MSL
Depth:	8.87	ft
Discharge:	13550.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.3312	
Flow Regime:	Subcritical	
Flow Area:	2420.82	sq ft
Average Velocity:	5.61	ft/s
Maximum Velocity:	6.31	ft/s
Composite n:	0.0684	
Hydraulic Radius:	4.44	ft
Wetted Perimeter:	544.94	ft
Wetted Top Width:	543.72	ft
Critical Slope:	0.0824	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~129~~ 825

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results 830

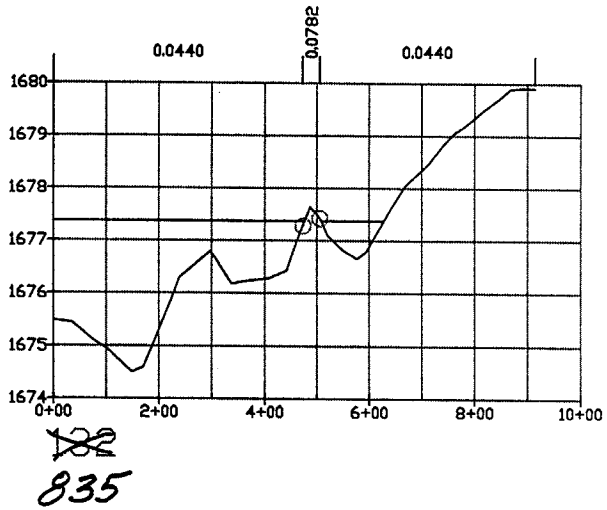
Cross-Section:	180	
Elevation:	1671.38	ft MSL
Depth:	5.39	ft
Discharge:	13550.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.4461	
Flow Regime:	Subcritical	
Flow Area:	2305.57	sq ft
Average Velocity:	5.86	ft/s
Maximum Velocity:	6.29	ft/s
Composite n:	0.0502	
Hydraulic Radius:	2.62	ft
Wetted Perimeter:	880.56	ft
Wetted Top Width:	879.12	ft
Critical Slope:	0.0547	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~130~~ 830

Entellus™

File: T2N-R8W-S01-Bottom.dwg Date: 10/10/02



Normal Depth Results

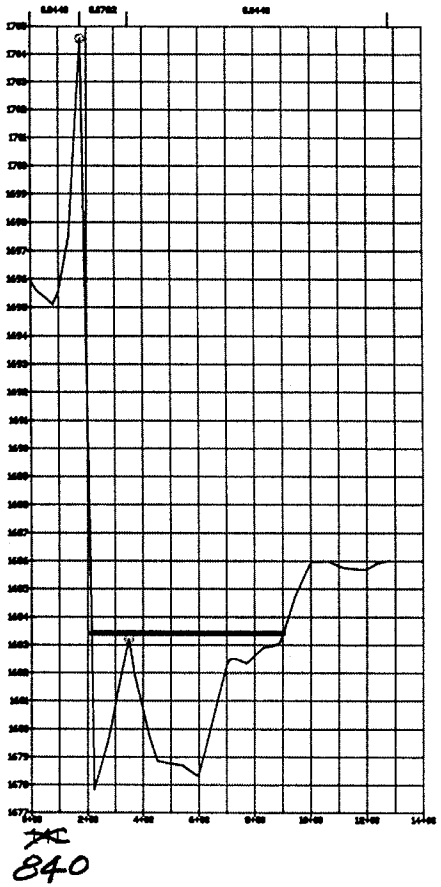
Cross-Section:	~~132~~ 835	
Elevation:	1677.37	ft MSL
Depth:	2.87	ft
Discharge:	3310.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.4326	
Flow Regime:	Subcritical	
Flow Area:	796.39	sq ft
Average Velocity:	4.18	ft/s
Maximum Velocity:	4.35	ft/s
Composite n:	0.0442	
Hydraulic Radius:	1.34	ft
Wetted Perimeter:	596.10	ft
Wetted Top Width:	596.04	ft
Critical Slope:	0.0552	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~132~~ 835

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

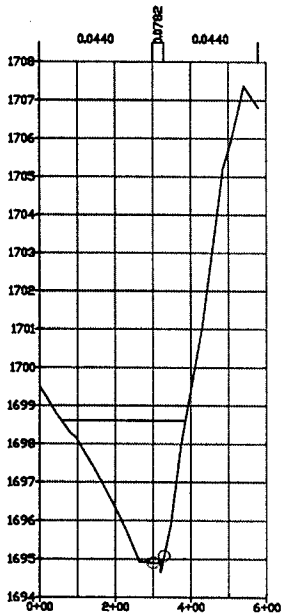
Cross-Section:	~~DAC~~ 840	
Elevation:	1683.42	ft MSL
Depth:	5.58	ft
Discharge:	10240.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.4137	
Flow Regime:	Subcritical	
Flow Area:	1847.28	sq ft
Average Velocity:	5.55	ft/s
Maximum Velocity:	6.05	ft/s
Composite n:	0.0516	
Hydraulic Radius:	2.68	ft
Wetted Perimeter:	690.08	ft
Wetted Top Width:	688.25	ft
Critical Slope:	0.0579	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~DAC~~ 840

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



~~D45~~
845

Normal Depth Results

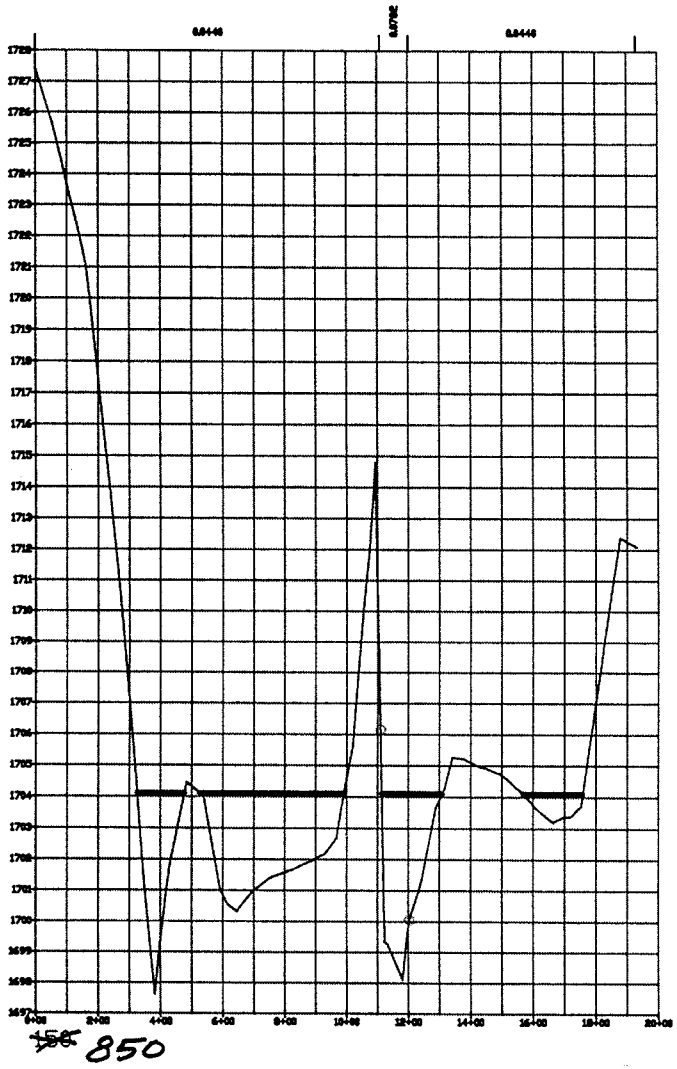
Cross-Section:	~~145~~ 845	
Elevation:	1698.60	ft MSL
Depth:	3.94	ft
Discharge:	3310.00	cfs
Energy Gradient:	0.009	ft/ft
Froude Number:	0.4324	
Flow Regime:	Subcritical	
Flow Area:	679.73	sq ft
Average Velocity:	4.85	ft/s
Maximum Velocity:	4.98	ft/s
Composite n:	0.0475	
Hydraulic Radius:	2.08	ft
Wetted Perimeter:	327.26	ft
Wetted Top Width:	327.07	ft
Critical Slope:	0.0487	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~D45~~ 845

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

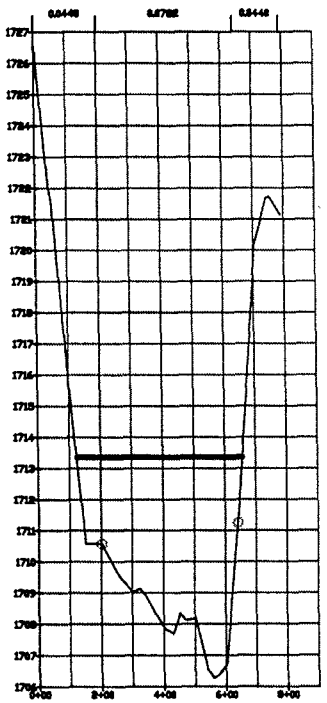
Cross-Section:	~~150~~ 850	
Elevation:	1704.11	ft MSL
Depth:	6.49	ft
Discharge:	13310.00	cfs
Energy Gradient:	0.01	ft/ft
Froude Number:	0.3976	
Flow Regime:	Subcritical	
Flow Area:	2316.60	sq ft
Average Velocity:	5.75	ft/s
Maximum Velocity:	6.28	ft/s
Composite n:	0.0475	
Hydraulic Radius:	2.3	ft
Wetted Perimeter:	1005.63	ft
Wetted Top Width:	1003.48	ft
Critical Slope:	0.0697	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~150~~ 850

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



~~160~~ 855

Normal Depth Results

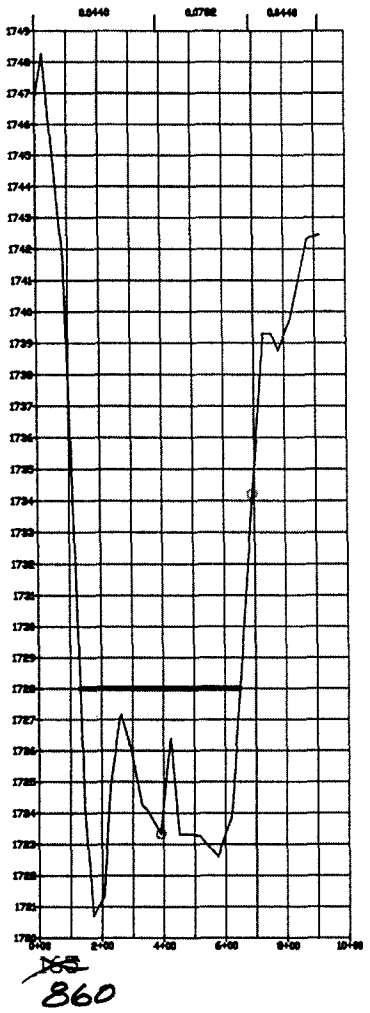
Cross-Section:	~~160~~ 855	
Elevation:	1713.35	ft MSL
Depth:	7.07	ft
Discharge:	13310.00	cfs
Energy Gradient:	0.01	ft/ft
Froude Number:	0.3695	
Flow Regime:	Subcritical	
Flow Area:	2387.88	sq ft
Average Velocity:	5.57	ft/s
Maximum Velocity:	5.88	ft/s
Composite n:	0.0728	
Hydraulic Radius:	4.47	ft
Wetted Perimeter:	534.27	ft
Wetted Top Width:	533.65	ft
Critical Slope:	0.0737	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~160~~ 855

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

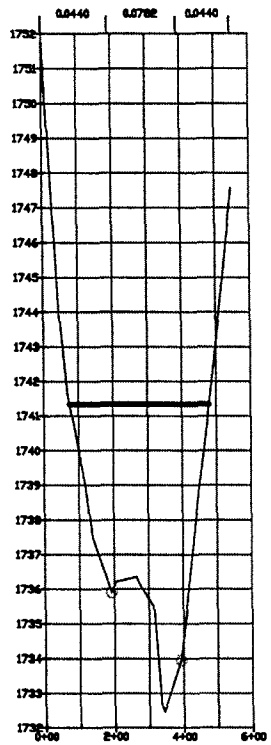
Cross-Section:	~~185~~ 860	
Elevation:	1728.01	ft MSL
Depth:	7.30	ft
Discharge:	13310.00	cfs
Energy Gradient:	0.01	ft/ft
Froude Number:	0.4236	
Flow Regime:	Subcritical	
Flow Area:	2050.37	sq ft
Average Velocity:	6.50	ft/s
Maximum Velocity:	8.24	ft/s
Composite n:	0.0622	
Hydraulic Radius:	3.96	ft
Wetted Perimeter:	517.64	ft
Wetted Top Width:	515.79	ft
Critical Slope:	0.0654	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~185~~ 860

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



~~170~~ 865

Normal Depth Results

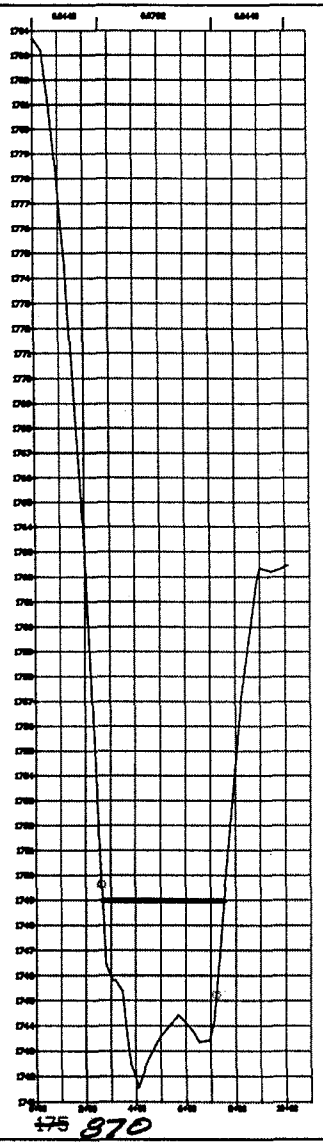
Cross-Section:	~~170~~ 865	
Elevation:	1741.34	ft MSL
Depth:	8.86	ft
Discharge:	13310.00	cfs
Energy Gradient:	0.01	ft/ft
Froude Number:	0.4056	
Flow Regime:	Subcritical	
Flow Area:	1943.11	sq ft
Average Velocity:	6.86	ft/s
Maximum Velocity:	7.98	ft/s
Composite n:	0.0621	
Hydraulic Radius:	4.79	ft
Wetted Perimeter:	405.92	ft
Wetted Top Width:	405.25	ft
Critical Slope:	0.0615	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~170~~ 865

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

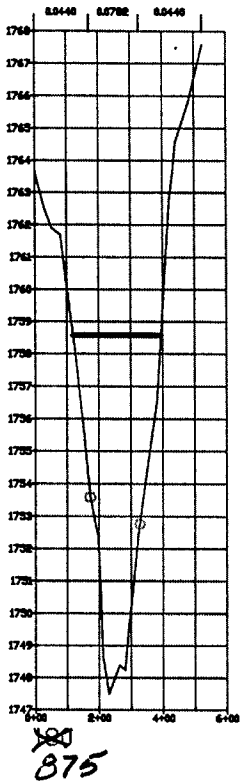
Cross-Section:	~~175~~ 870	
Elevation:	1748.99	ft MSL
Depth:	7.42	ft
Discharge:	13310.00	cfs
Energy Gradient:	0.01	ft/ft
Froude Number:	0.3635	
Flow Regime:	Subcritical	
Flow Area:	2369.81	sq ft
Average Velocity:	5.61	ft/s
Maximum Velocity:	5.62	ft/s
Composite n:	0.0762	
Hydraulic Radius:	4.87	ft
Wetted Perimeter:	486.73	ft
Wetted Top Width:	485.99	ft
Critical Slope:	0.0757	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~175~~ 870

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

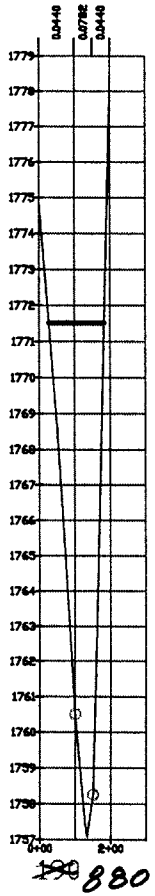
Cross-Section:	~~100~~ 875	
Elevation:	1758.58	ft MSL
Depth:	11.07	ft
Discharge:	13310.00	cfs
Energy Gradient:	0.01	ft/ft
Froude Number:	0.4151	
Flow Regime:	Subcritical	
Flow Area:	1698.98	sq ft
Average Velocity:	7.82	ft/s
Maximum Velocity:	8.04	ft/s
Composite n:	0.0644	
Hydraulic Radius:	6.15	ft
Wetted Perimeter:	276.37	ft
Wetted Top Width:	275.08	ft
Critical Slope:	0.0592	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~180~~875

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

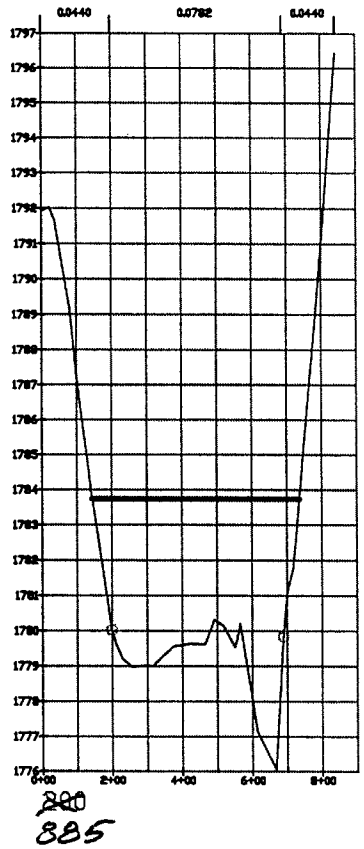
Cross-Section:	~~190~~ 880	
Elevation:	1771.52	ft MSL
Depth:	14.43	ft
Discharge:	13310.00	cfs
Energy Gradient:	0.01	ft/ft
Froude Number:	0.491	
Flow Regime:	Subcritical	
Flow Area:	1258.14	sq ft
Average Velocity:	10.57	ft/s
Maximum Velocity:	11.36	ft/s
Composite n:	0.0558	
Hydraulic Radius:	7.87	ft
Wetted Perimeter:	159.92	ft
Wetted Top Width:	156.29	ft
Critical Slope:	0.0416	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~190~~ 880

Entellus™

File: T2N-RKW-S01-Top.dwg Date: 7/12/02



Normal Depth Results

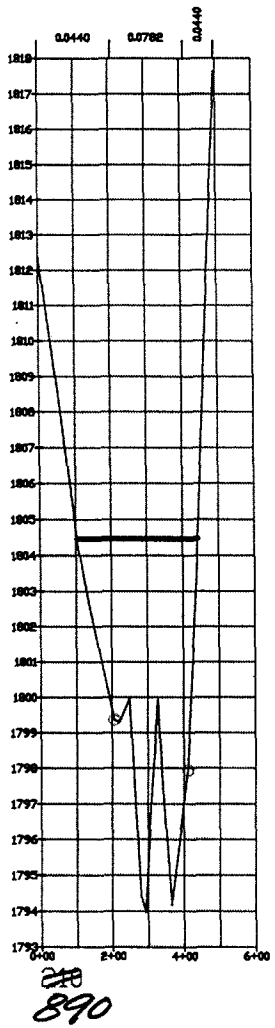
Cross-Section:	~~200~~ 885	
Elevation:	1783.74	ft MSL
Depth:	7.68	ft
Discharge:	13310.00	cfs
Energy Gradient:	0.01	ft/ft
Froude Number:	0.3394	
Flow Regime:	Subcritical	
Flow Area:	2494.19	sq ft
Average Velocity:	5.33	ft/s
Maximum Velocity:	5.44	ft/s
Composite n:	0.0729	
Hydraulic Radius:	4.21	ft
Wetted Perimeter:	592.20	ft
Wetted Top Width:	591.42	ft
Critical Slope:	0.0871	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~200~~ 885

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

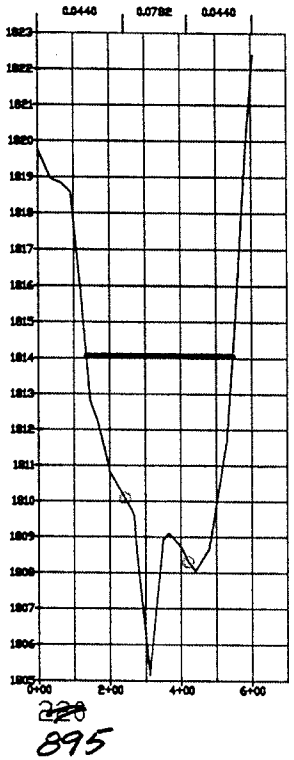
Cross-Section:	~~210~~ 890	
Elevation:	1804.47	ft MSL
Depth:	10.49	ft
Discharge:	13310.00	cfs
Energy Gradient:	0.01	ft/ft
Froude Number:	0.385	
Flow Regime:	Subcritical	
Flow Area:	1881.44	sq ft
Average Velocity:	7.08	ft/s
Maximum Velocity:	7.43	ft/s
Composite n:	0.0658	
Hydraulic Radius:	5.52	ft
Wetted Perimeter:	340.74	ft
Wetted Top Width:	338.29	ft
Critical Slope:	0.0676	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~210~~ 890

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

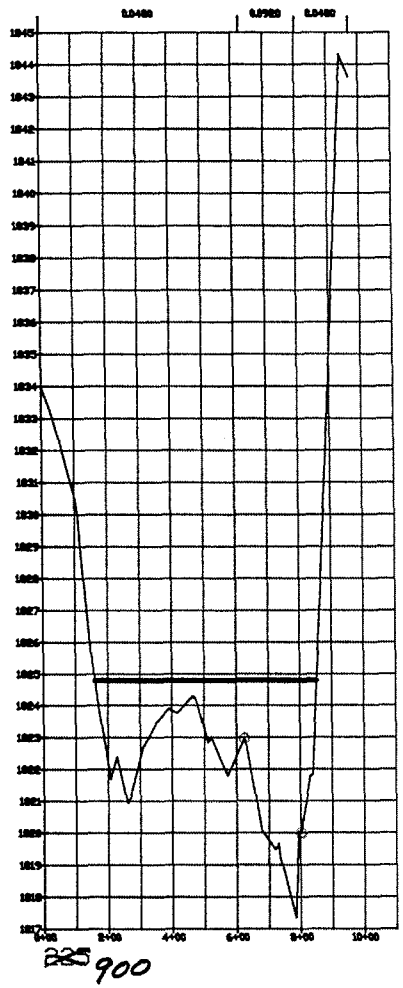
Cross-Section:	~~220~~ 895	
Elevation:	1814.08	ft MSL
Depth:	8.91	ft
Discharge:	13310.00	cfs
Energy Gradient:	0.01	ft/ft
Froude Number:	0.4183	
Flow Regime:	Subcritical	
Flow Area:	1879.44	sq ft
Average Velocity:	7.07	ft/s
Maximum Velocity:	9.08	ft/s
Composite n:	0.0599	
Hydraulic Radius:	4.55	ft
Wetted Perimeter:	413.32	ft
Wetted Top Width:	412.52	ft
Critical Slope:	0.0616	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~220~~ 895

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

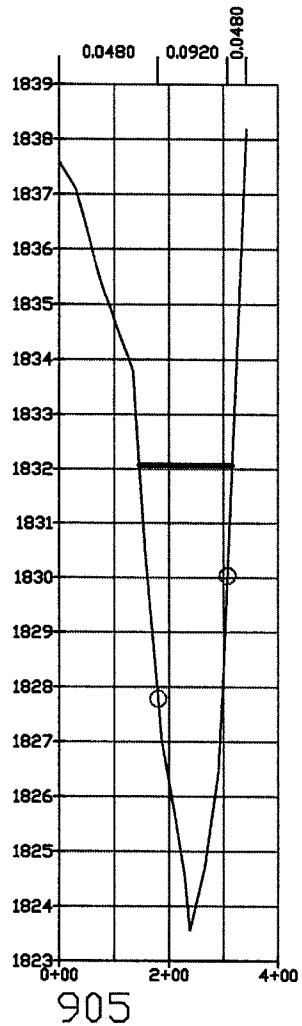
Cross-Section:	~~225~~ 900	
Elevation:	1824.80	ft MSL
Depth:	7.44	ft
Discharge:	11490.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3877	
Flow Regime:	Subcritical	
Flow Area:	1915.34	sq ft
Average Velocity:	5.99	ft/s
Maximum Velocity:	8.10	ft/s
Composite n:	0.0606	
Hydraulic Radius:	2.76	ft
Wetted Perimeter:	693.28	ft
Wetted Top Width:	692.18	ft
Critical Slope:	0.1023	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~225~~ 900

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

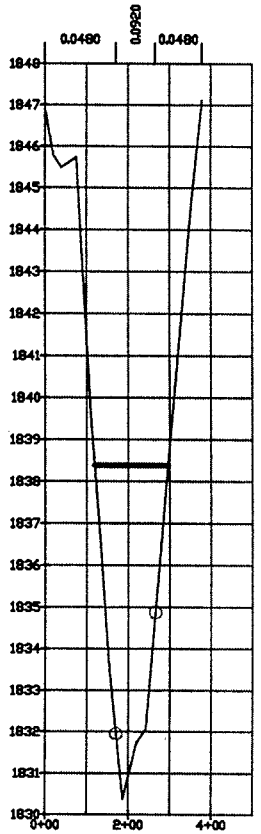
Cross-Section:	905	
Elevation:	1832.07	ft MSL
Depth:	8.50	ft
Discharge:	6090.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4089	
Flow Regime:	Subcritical	
Flow Area:	900.40	sq ft
Average Velocity:	6.76	ft/s
Maximum Velocity:	6.81	ft/s
Composite n:	0.082	
Hydraulic Radius:	5.26	ft
Wetted Perimeter:	171.11	ft
Wetted Top Width:	169.97	ft
Critical Slope:	0.0907	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–905

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 07/12/02



~~230~~
910

Normal Depth Results

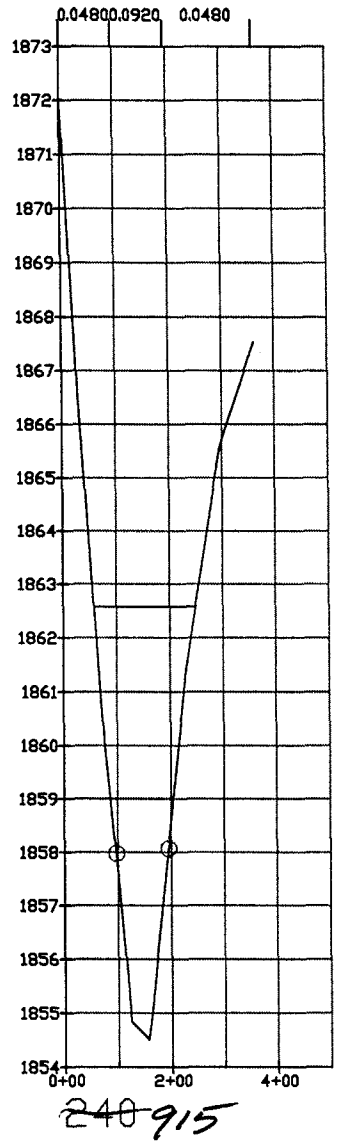
Cross-Section:	~~228~~ 910	
Elevation:	1838.39	ft MSL
Depth:	8.01	ft
Discharge:	6090.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4466	
Flow Regime:	Subcritical	
Flow Area:	849.50	sq ft
Average Velocity:	7.17	ft/s
Maximum Velocity:	8.59	ft/s
Composite n:	0.0733	
Hydraulic Radius:	4.78	ft
Wetted Perimeter:	177.76	ft
Wetted Top Width:	176.87	ft
Critical Slope:	0.0774	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~230~~ 910

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

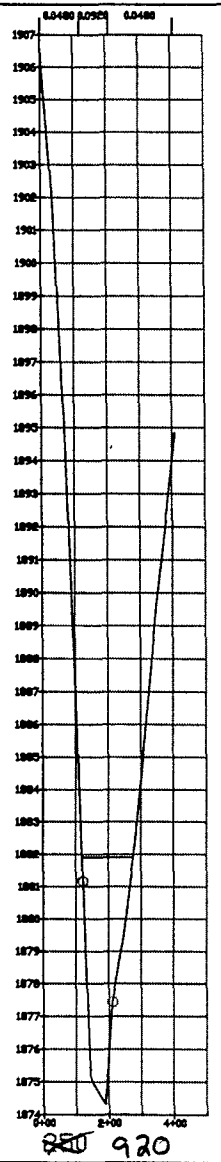
Cross-Section:	~~240~~ 915	
Elevation:	1862.58	ft MSL
Depth:	8.07	ft
Discharge:	6090.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4317	
Flow Regime:	Subcritical	
Flow Area:	875.67	sq ft
Average Velocity:	6.96	ft/s
Maximum Velocity:	7.09	ft/s
Composite n:	0.0723	
Hydraulic Radius:	4.56	ft
Wetted Perimeter:	191.87	ft
Wetted Top Width:	191.05	ft
Critical Slope:	0.0808	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~240~~ 915

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

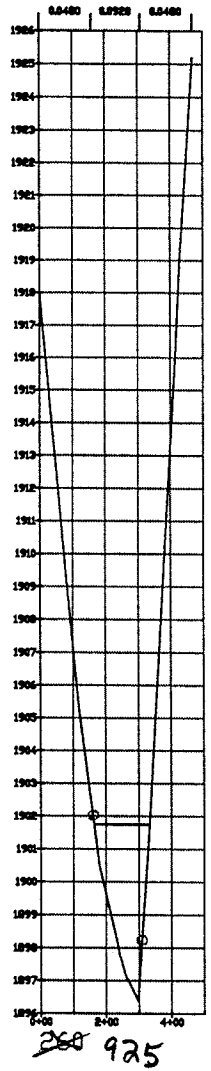
Cross-Section:	~~250~~ 920	
Elevation:	1881.91	ft MSL
Depth:	7.59	ft
Discharge:	4610.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.421	
Flow Regime:	Subcritical	
Flow Area:	700.88	sq ft
Average Velocity:	6.59	ft/s
Maximum Velocity:	6.79	ft/s
Composite n:	0.0749	
Hydraulic Radius:	4.42	ft
Wetted Perimeter:	158.69	ft
Wetted Top Width:	157.42	ft
Critical Slope:	0.0851	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~250~~ 920

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~250~~ 925	
Elevation:	1901.75	ft MSL
Depth:	5.37	ft
Discharge:	2640.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.3787	
Flow Regime:	Subcritical	
Flow Area:	530.25	sq ft
Average Velocity:	5.00	ft/s
Maximum Velocity:	6.17	ft/s
Composite n:	0.0864	
Hydraulic Radius:	3.13	ft
Wetted Perimeter:	169.59	ft
Wetted Top Width:	169.05	ft
Critical Slope:	0.1272	ft/ft

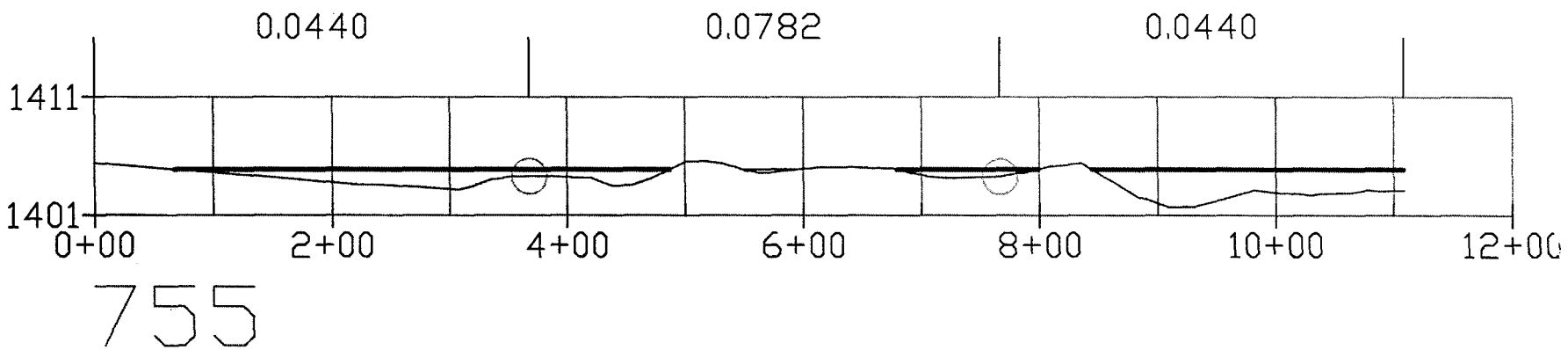
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S01–~~260~~ 925

Entellus™

File: T2N-R8W-S01-Top.dwg Date: 7/12/02

T2N-R8W-S02E



Normal Depth Results

Cross-Section:	755	
Elevation:	1404.86	ft MSL
Depth:	3.18	ft
Discharge:	4500.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.4467	
Flow Regime:	Subcritical	
Flow Area:	995.98	sq ft
Average Velocity:	4.53	ft/s
Maximum Velocity:	5.81	ft/s
Composite n:	0.0552	
Hydraulic Radius:	1.17	ft
Wetted Perimeter:	850.98	ft
Wetted Top Width:	850.78	ft
Critical Slope:	0.1141	ft/ft

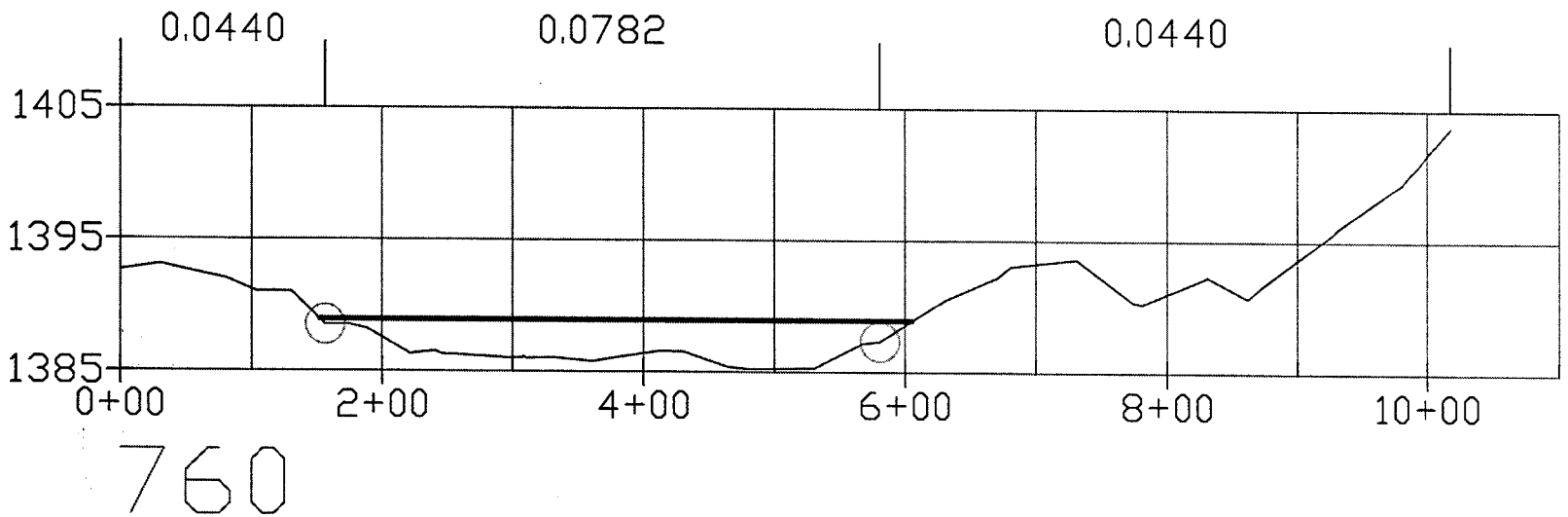
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–755

Entellus™

File: T2N-R8W-S02E.dwg Date: 5/16/02



Normal Depth Results

Cross-Section:	760	
Elevation:	1388.93	ft MSL
Depth:	3.70	ft
Discharge:	4500.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3675	
Flow Regime:	Subcritical	
Flow Area:	1122.28	sq ft
Average Velocity:	4.01	ft/s
Maximum Velocity:	4.02	ft/s
Composite n:	0.0762	
Hydraulic Radius:	2.48	ft
Wetted Perimeter:	453.37	ft
Wetted Top Width:	453.15	ft
Critical Slope:	0.0931	ft/ft

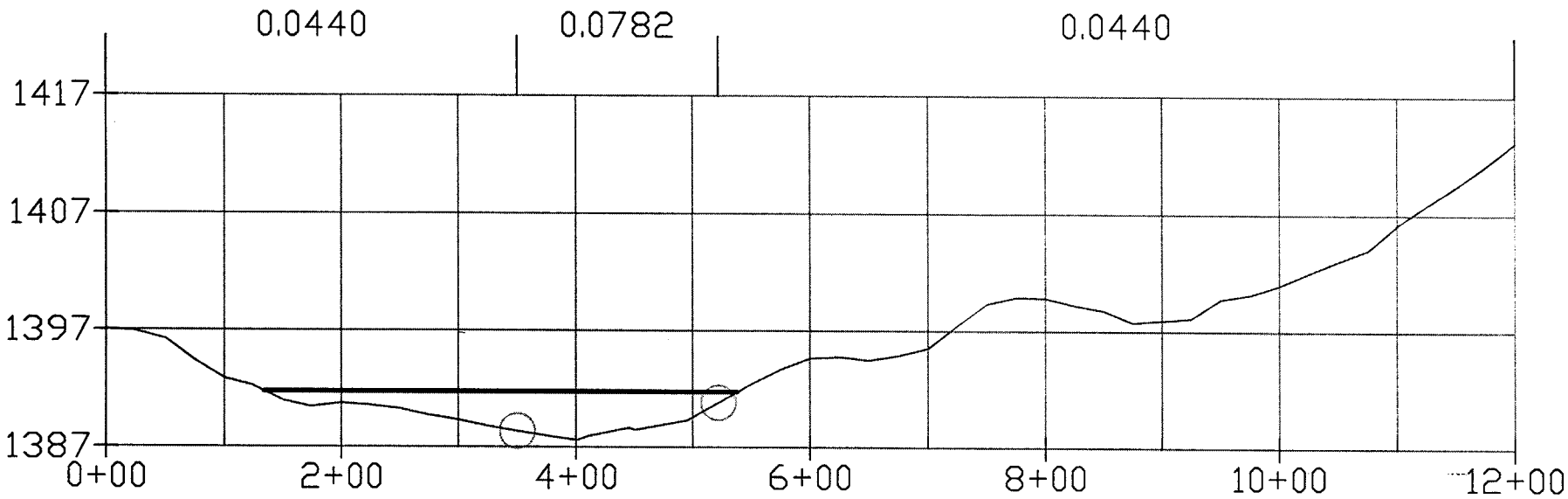
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–760

Entellus™

File: T2N-R8W-S02E.dwg Date: 5/16/02



765

Normal Depth Results

Cross-Section:	765	
Elevation:	1391.76	ft MSL
Depth:	4.15	ft
Discharge:	4500.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.4241	
Flow Regime:	Subcritical	
Flow Area:	917.74	sq ft
Average Velocity:	4.89	ft/s
Maximum Velocity:	5.41	ft/s
Composite n:	0.0597	
Hydraulic Radius:	2.27	ft
Wetted Perimeter:	404.70	ft
Wetted Top Width:	404.55	ft
Critical Slope:	0.0721	ft/ft

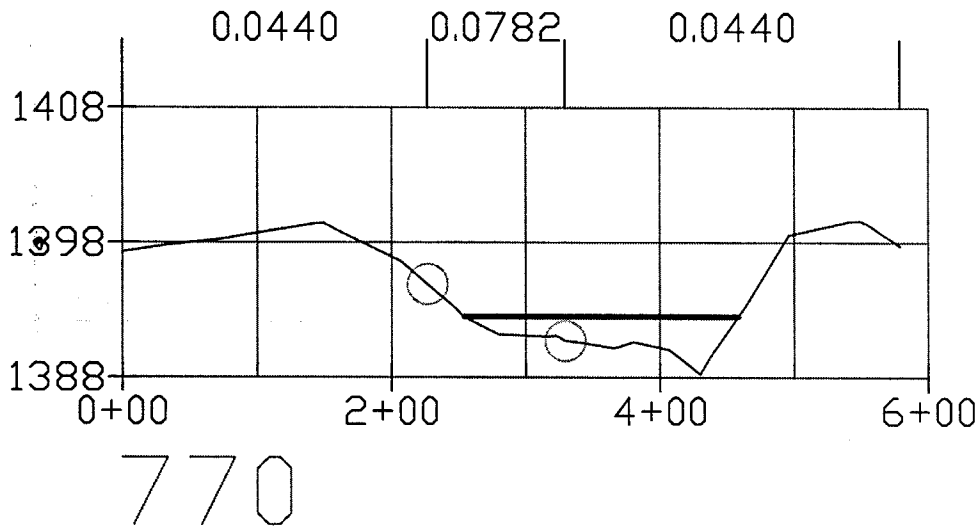
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–765

Entellus™

File: T2N-R8W-S02E.dwg Date: 5/16/02



Normal Depth Results

Cross-Section:	770	
Elevation:	1392.52	ft MSL
Depth:	4.28	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.4827	
Flow Regime:	Subcritical	
Flow Area:	388.56	sq ft
Average Velocity:	5.65	ft/s
Maximum Velocity:	6.63	ft/s
Composite n:	0.0577	
Hydraulic Radius:	1.9	ft
Wetted Perimeter:	205.04	ft
Wetted Top Width:	204.58	ft
Critical Slope:	0.0881	ft/ft

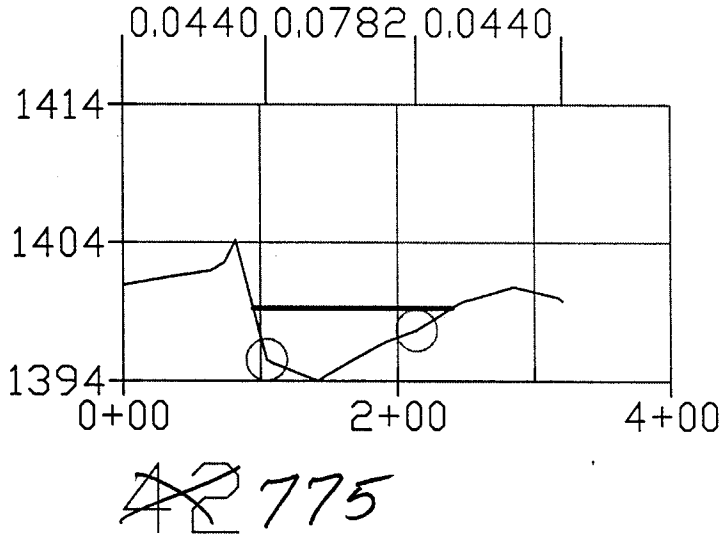
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–770

Entellus™

File: T2N-R8W-S02E.dwg Date: 5/16/02



Normal Depth Results

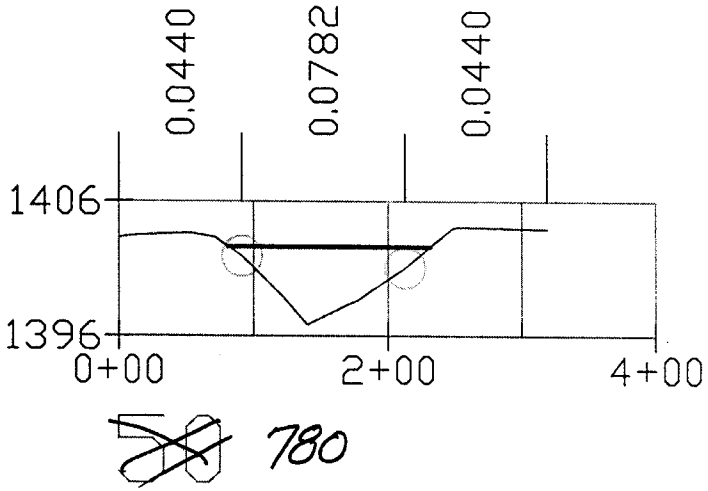
Cross-Section:	~~42~~ 775	
Elevation:	1399.26	ft MSL
Depth:	5.24	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3857	
Flow Regime:	Subcritical	
Flow Area:	439.44	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	5.47	ft/s
Composite n:	0.0704	
Hydraulic Radius:	3.01	ft
Wetted Perimeter:	145.76	ft
Wetted Top Width:	144.90	ft
Critical Slope:	0.0865	ft/ft

File: T2N-R8W-S02E.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~42~~ 775

Entellus™



Normal Depth Results

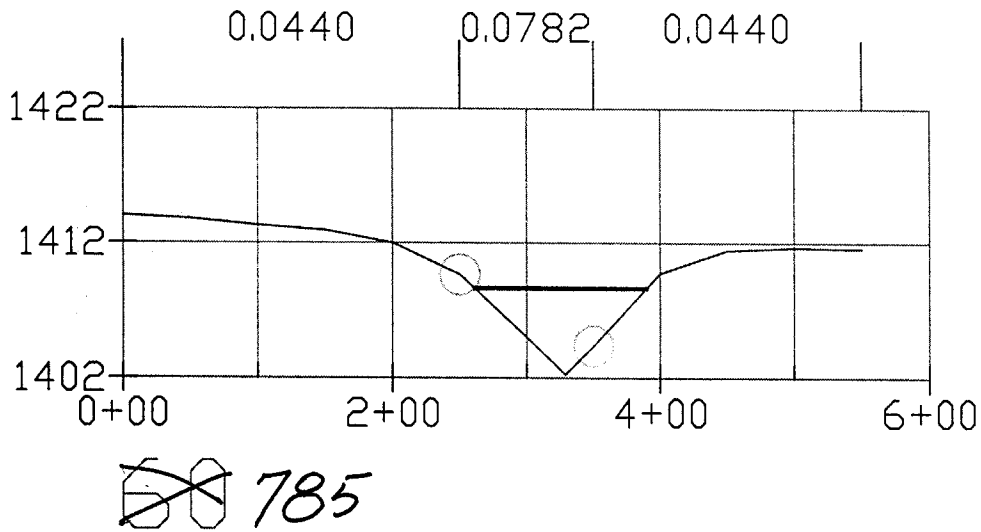
Cross-Section:	~~50~~ 780	
Elevation:	1402.65	ft MSL
Depth:	5.81	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3558	
Flow Regime:	Subcritical	
Flow Area:	452.07	sq ft
Average Velocity:	4.88	ft/s
Maximum Velocity:	4.96	ft/s
Composite n:	0.0722	
Hydraulic Radius:	2.99	ft
Wetted Perimeter:	150.97	ft
Wetted Top Width:	150.49	ft
Critical Slope:	0.1019	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~50~~ 780

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02



Normal Depth Results

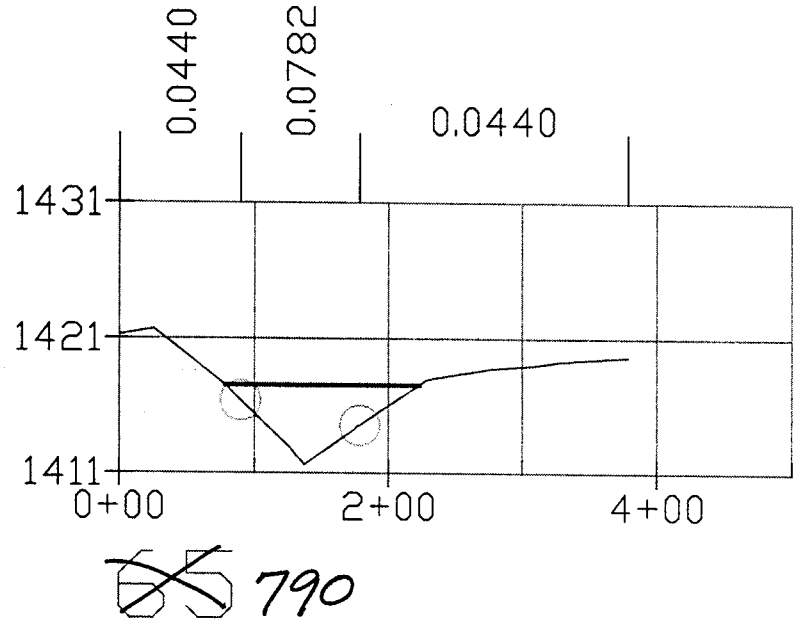
Cross-Section:	~~50~~ 785	
Elevation:	1408.63	ft MSL
Depth:	6.36	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3723	
Flow Regime:	Subcritical	
Flow Area:	413.03	sq ft
Average Velocity:	5.31	ft/s
Maximum Velocity:	6.26	ft/s
Composite n:	0.0686	
Hydraulic Radius:	3.19	ft
Wetted Perimeter:	129.63	ft
Wetted Top Width:	129.00	ft
Critical Slope:	0.0925	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~50~~ 785

Entellus™



Normal Depth Results

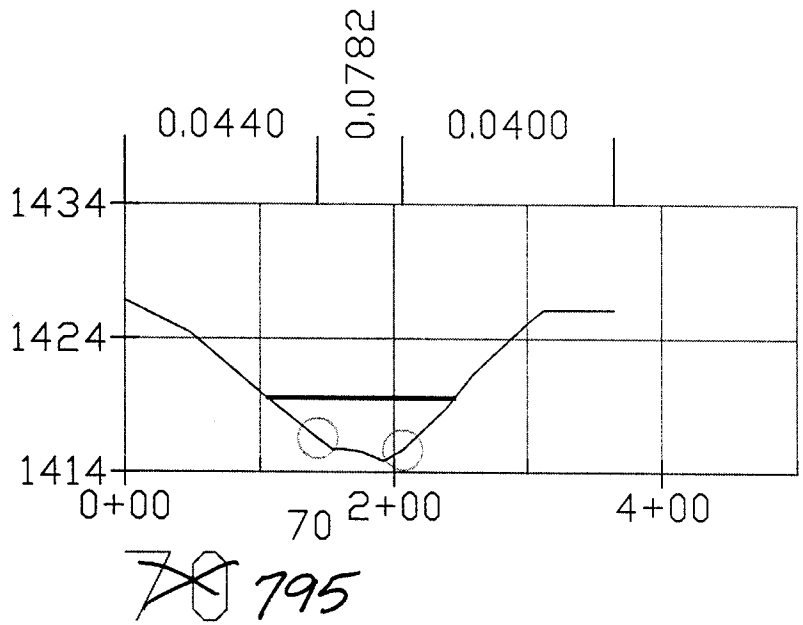
Cross-Section:	~~85~~ 790	
Elevation:	1417.55	ft MSL
Depth:	5.93	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3766	
Flow Regime:	Subcritical	
Flow Area:	422.73	sq ft
Average Velocity:	5.19	ft/s
Maximum Velocity:	5.29	ft/s
Composite n:	0.066	
Hydraulic Radius:	2.9	ft
Wetted Perimeter:	145.85	ft
Wetted Top Width:	145.34	ft
Critical Slope:	0.0907	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~85~~ 790

Entellus™

File: T2N-R8W-S02E-X-3E(TEDN3.dwg Date: 5/25/02



Normal Depth Results

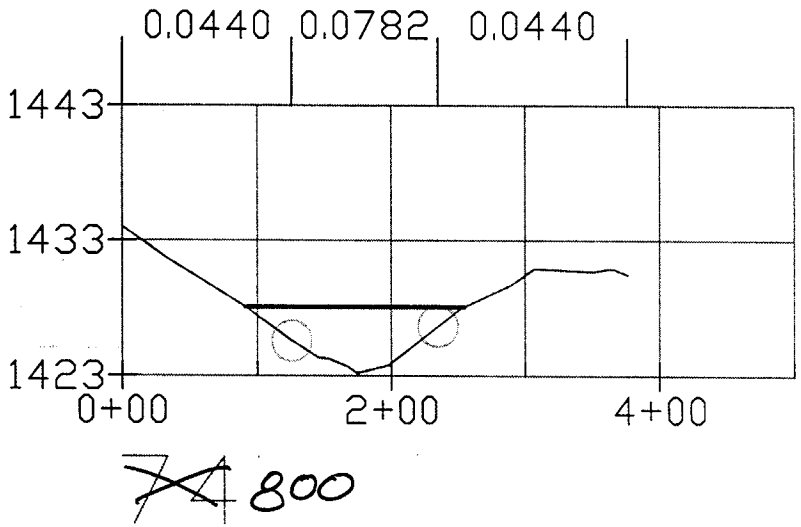
Cross-Section:	795	
Elevation:	1419.55	ft MSL
Depth:	4.72	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.4549	
Flow Regime:	Subcritical	
Flow Area:	392.27	sq ft
Average Velocity:	5.59	ft/s
Maximum Velocity:	6.65	ft/s
Composite n:	0.0598	
Hydraulic Radius:	2.8	ft
Wetted Perimeter:	140.12	ft
Wetted Top Width:	139.72	ft
Critical Slope:	0.062	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~70~~ 795

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02



Normal Depth Results

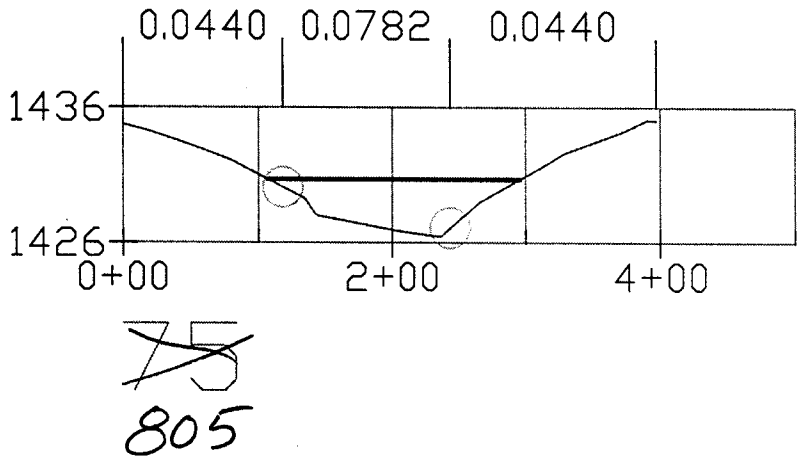
Cross-Section:	~~75~~ 800	
Elevation:	1428.07	ft MSL
Depth:	4.89	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3882	
Flow Regime:	Subcritical	
Flow Area:	451.89	sq ft
Average Velocity:	4.89	ft/s
Maximum Velocity:	5.01	ft/s
Composite n:	0.0678	
Hydraulic Radius:	2.75	ft
Wetted Perimeter:	164.09	ft
Wetted Top Width:	163.76	ft
Critical Slope:	0.0845	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~74~~ 800

Entellus™



Normal Depth Results

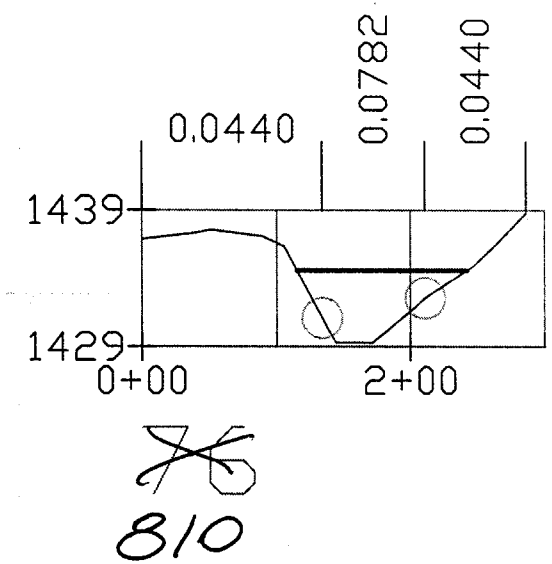
Cross-Section:	~~75~~ 805	
Elevation:	1430.69	ft MSL
Depth:	4.24	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.395	
Flow Regime:	Subcritical	
Flow Area:	476.58	sq ft
Average Velocity:	4.63	ft/s
Maximum Velocity:	5.20	ft/s
Composite n:	0.0677	
Hydraulic Radius:	2.52	ft
Wetted Perimeter:	189.02	ft
Wetted Top Width:	188.73	ft
Critical Slope:	0.0821	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~75~~ 805

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/29/02



Normal Depth Results

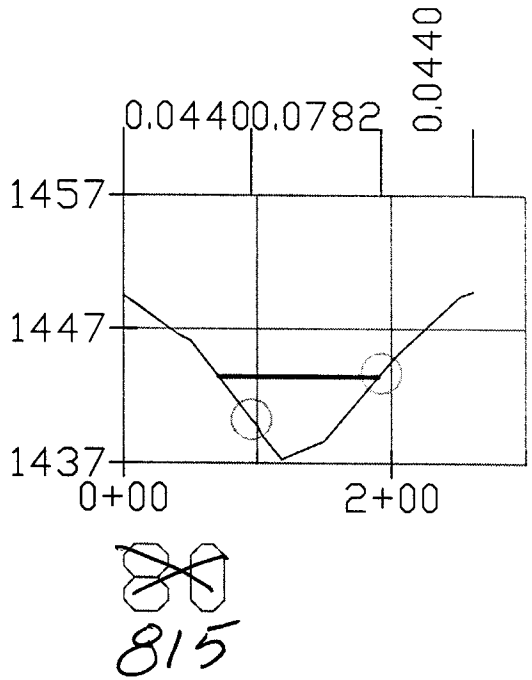
Cross-Section:	~~76~~ 810	
Elevation:	1434.58	ft MSL
Depth:	5.32	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.4204	
Flow Regime:	Subcritical	
Flow Area:	399.84	sq ft
Average Velocity:	5.49	ft/s
Maximum Velocity:	5.66	ft/s
Composite n:	0.0658	
Hydraulic Radius:	3.13	ft
Wetted Perimeter:	127.92	ft
Wetted Top Width:	127.24	ft
Critical Slope:	0.0731	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~76~~ 810

Entellus™



Normal Depth Results

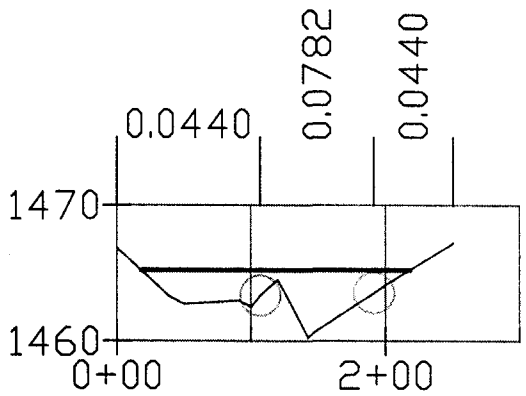
Cross-Section:	~~80~~ 815	
Elevation:	1443.44	ft MSL
Depth:	6.16	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3766	
Flow Regime:	Subcritical	
Flow Area:	414.93	sq ft
Average Velocity:	5.31	ft/s
Maximum Velocity:	5.33	ft/s
Composite n:	0.0718	
Hydraulic Radius:	3.46	ft
Wetted Perimeter:	119.81	ft
Wetted Top Width:	119.09	ft
Critical Slope:	0.0879	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~80~~ 815

Entellus™



~~85~~ 820

Normal Depth Results

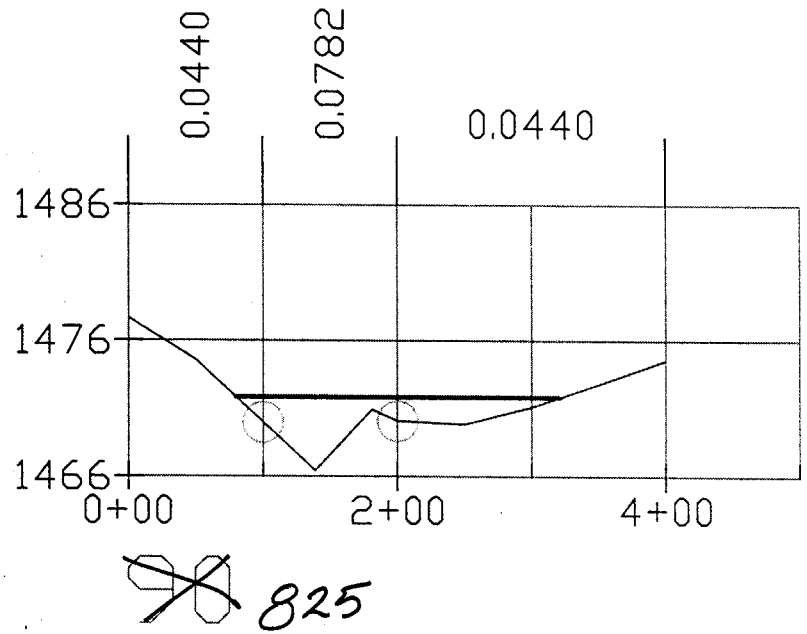
Cross-Section:	~~85~~ 820	
Elevation:	1465.23	ft MSL
Depth:	4.97	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3905	
Flow Regime:	Subcritical	
Flow Area:	445.36	sq ft
Average Velocity:	4.96	ft/s
Maximum Velocity:	6.06	ft/s
Composite n:	0.0596	
Hydraulic Radius:	2.21	ft
Wetted Perimeter:	201.29	ft
Wetted Top Width:	200.51	ft
Critical Slope:	0.0889	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~85~~ 820

Entellus™



Normal Depth Results

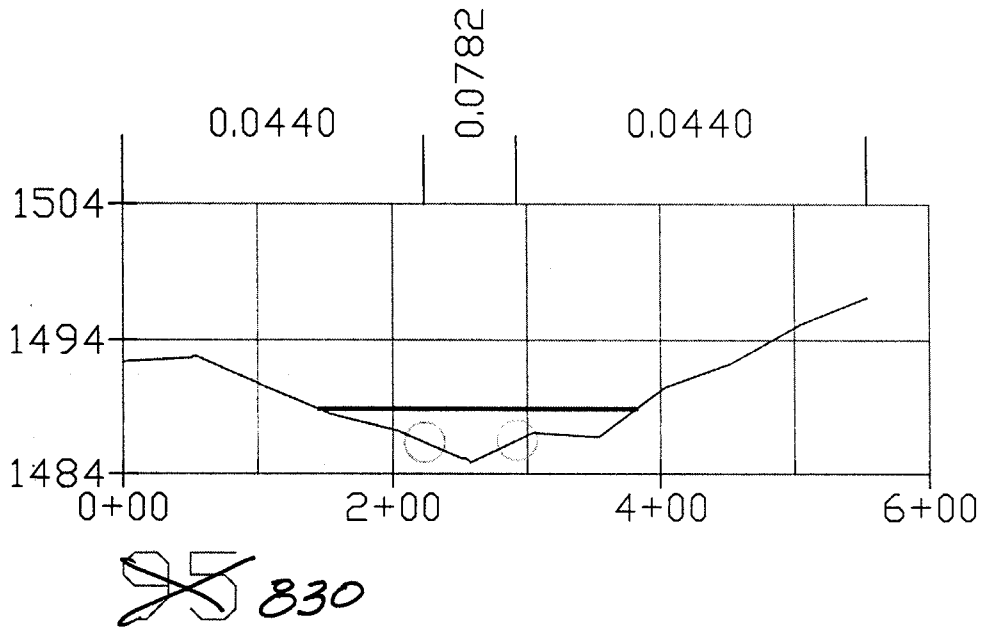
Cross-Section:	~~90~~ 825	
Elevation:	1471.84	ft MSL
Depth:	5.40	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.3422	
Flow Regime:	Subcritical	
Flow Area:	487.61	sq ft
Average Velocity:	4.49	ft/s
Maximum Velocity:	4.73	ft/s
Composite n:	0.0594	
Hydraulic Radius:	2.02	ft
Wetted Perimeter:	241.60	ft
Wetted Top Width:	241.07	ft
Critical Slope:	0.1083	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~90~~ 825

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02



Normal Depth Results

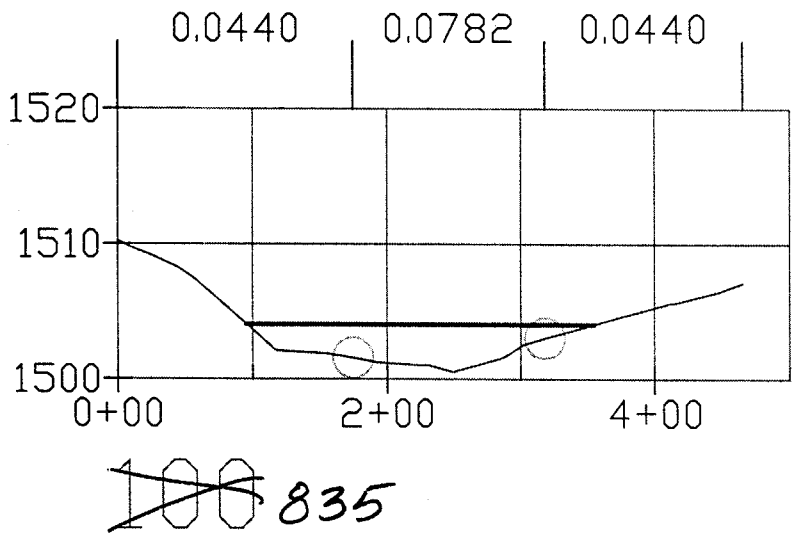
Cross-Section:	~~95~~ 830	
Elevation:	1488.85	ft MSL
Depth:	3.99	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0125	ft/ft
Froude Number:	0.4196	
Flow Regime:	Subcritical	
Flow Area:	462.52	sq ft
Average Velocity:	4.77	ft/s
Maximum Velocity:	5.34	ft/s
Composite n:	0.055	
Hydraulic Radius:	1.95	ft
Wetted Perimeter:	236.85	ft
Wetted Top Width:	236.64	ft
Critical Slope:	0.0718	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~95~~ 830

Entellus™

File: T2N-R8W-S02E-X-3E(TFDN5.dwg Date: 5/28/02



Normal Depth Results

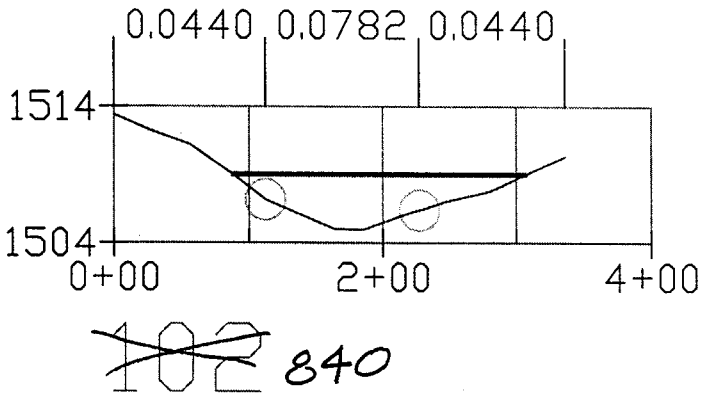
Cross-Section:	~~100~~ 835	
Elevation:	1504.07	ft MSL
Depth:	3.51	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3819	
Flow Regime:	Subcritical	
Flow Area:	542.40	sq ft
Average Velocity:	4.06	ft/s
Maximum Velocity:	5.14	ft/s
Composite n:	0.064	
Hydraulic Radius:	2.09	ft
Wetted Perimeter:	259.56	ft
Wetted Top Width:	259.39	ft
Critical Slope:	0.078	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~100~~ 835

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg, Date: 5/25/02



Normal Depth Results

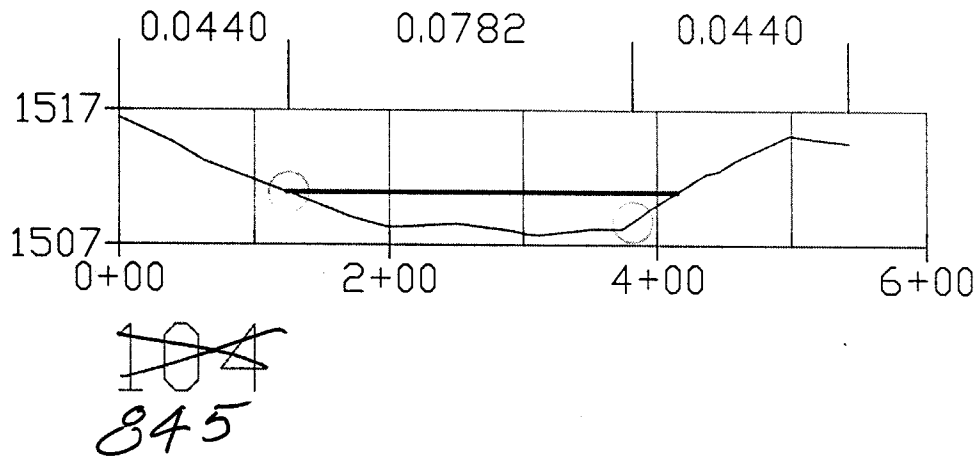
Cross-Section:	~~102~~ 840	
Elevation:	1509.04	ft MSL
Depth:	4.05	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3745	
Flow Regime:	Subcritical	
Flow Area:	514.29	sq ft
Average Velocity:	4.29	ft/s
Maximum Velocity:	4.44	ft/s
Composite n:	0.0631	
Hydraulic Radius:	2.34	ft
Wetted Perimeter:	219.42	ft
Wetted Top Width:	219.24	ft
Critical Slope:	0.0752	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~102~~ 840

Entellus™

File: T2N-R8W-S02B-X-3B(TFDN3.dwg Date: 5/23/02



Normal Depth Results

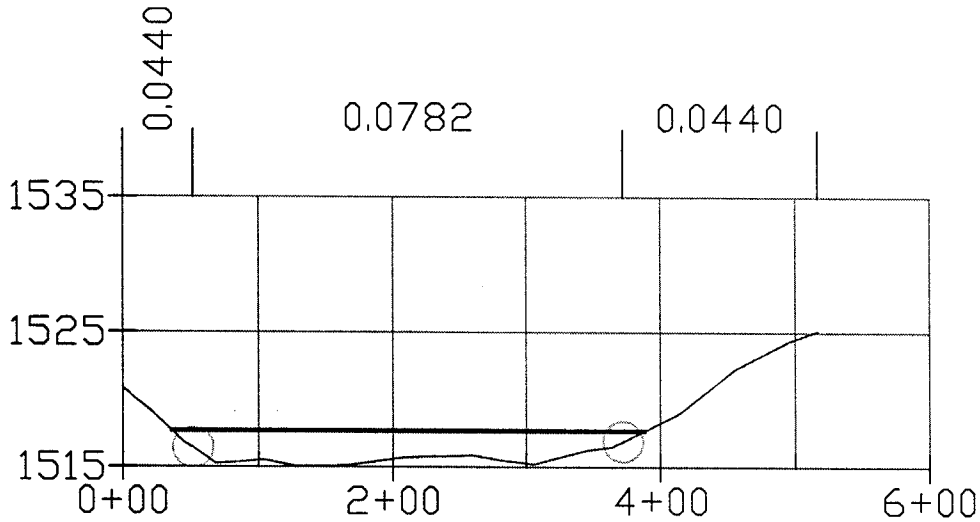
Cross-Section:	~~104~~ 845	
Elevation:	1510.94	ft MSL
Depth:	3.20	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3391	
Flow Regime:	Subcritical	
Flow Area:	639.47	sq ft
Average Velocity:	3.46	ft/s
Maximum Velocity:	3.64	ft/s
Composite n:	0.0745	
Hydraulic Radius:	2.19	ft
Wetted Perimeter:	291.81	ft
Wetted Top Width:	291.66	ft
Critical Slope:	0.0904	ft/ft

File: T2N-R8W-S02E-X-3BOTTONS.dwg Date: 5/25/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~104~~ 845

Entellus™



~~106~~ 850

Normal Depth Results

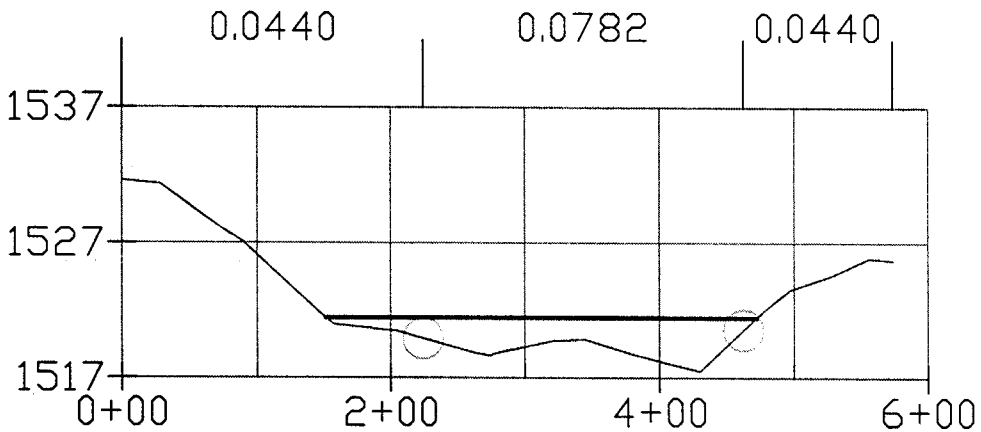
Cross-Section:	~~106~~ 850	
Elevation:	1517.70	ft MSL
Depth:	2.63	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3449	
Flow Regime:	Subcritical	
Flow Area:	693.46	sq ft
Average Velocity:	3.19	ft/s
Maximum Velocity:	3.21	ft/s
Composite n:	0.0754	
Hydraulic Radius:	1.97	ft
Wetted Perimeter:	352.51	ft
Wetted Top Width:	352.35	ft
Critical Slope:	0.088	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~106~~ 850

Entellus™

File: T2N-R8W-S02E-X-3E(TEONS.dwg Date: 5/25/02



~~108~~ 855

Normal Depth Results

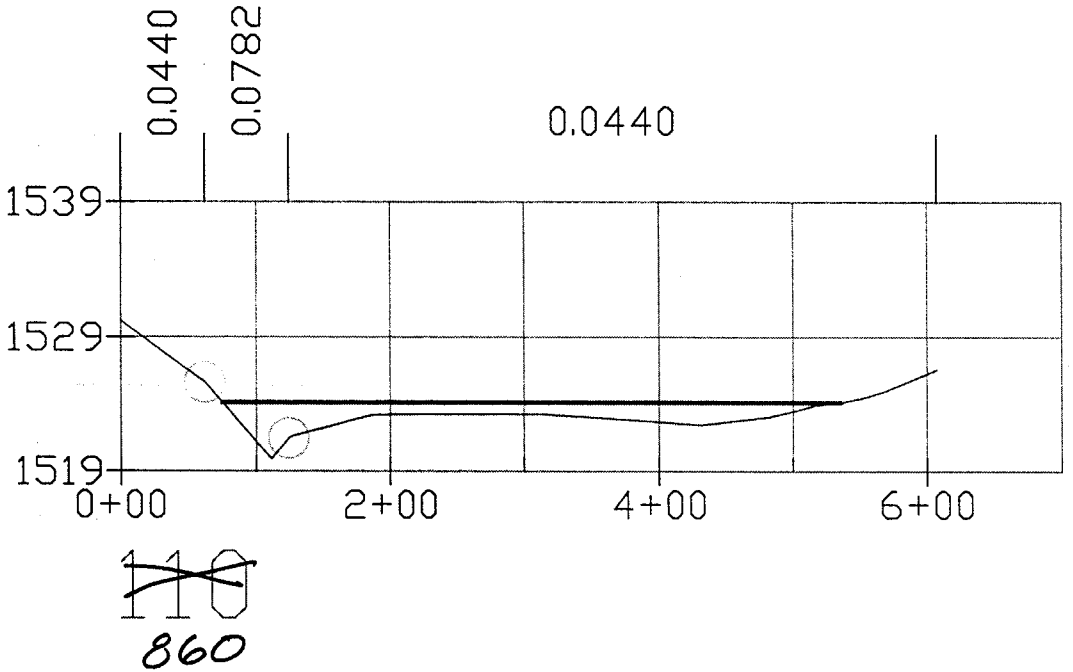
Cross-Section:	~~108~~ 855	
Elevation:	1521.45	ft MSL
Depth:	3.96	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3052	
Flow Regime:	Subcritical	
Flow Area:	638.77	sq ft
Average Velocity:	3.45	ft/s
Maximum Velocity:	3.50	ft/s
Composite n:	0.0702	
Hydraulic Radius:	1.99	ft
Wetted Perimeter:	321.29	ft
Wetted Top Width:	321.02	ft
Critical Slope:	0.1132	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~108~~ 855

Entellus™



Normal Depth Results

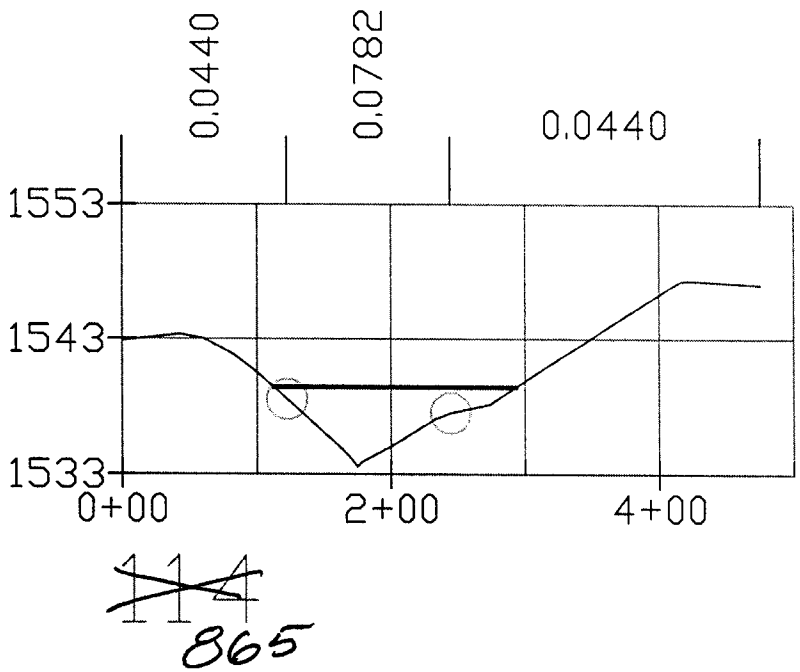
Cross-Section:	~~110~~ 860	
Elevation:	1524.13	ft MSL
Depth:	4.24	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3202	
Flow Regime:	Subcritical	
Flow Area:	588.18	sq ft
Average Velocity:	3.73	ft/s
Maximum Velocity:	3.77	ft/s
Composite n:	0.0482	
Hydraulic Radius:	1.28	ft
Wetted Perimeter:	461.25	ft
Wetted Top Width:	460.86	ft
Critical Slope:	0.1033	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~110~~ 860

Entellus™



Normal Depth Results

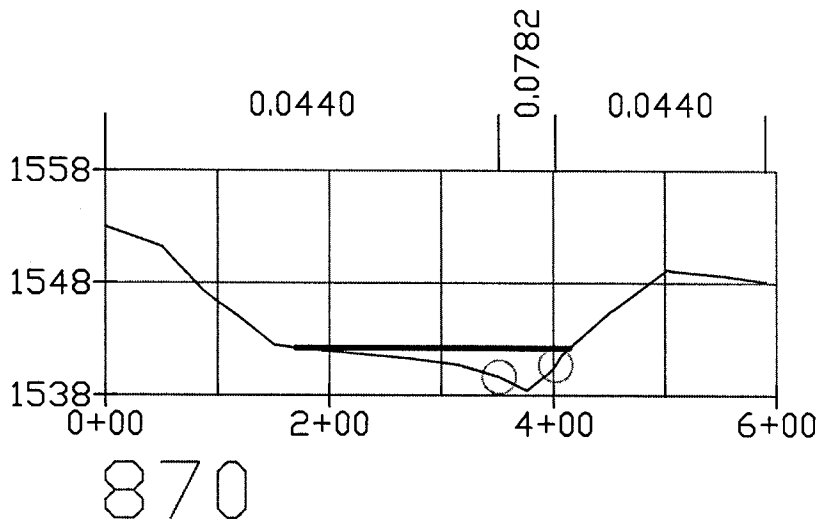
Cross-Section:	~~114~~ 865	
Elevation:	1539.42	ft MSL
Depth:	5.87	ft
Discharge:	2200.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3222	
Flow Regime:	Subcritical	
Flow Area:	496.63	sq ft
Average Velocity:	4.44	ft/s
Maximum Velocity:	4.53	ft/s
Composite n:	0.0681	
Hydraulic Radius:	2.74	ft
Wetted Perimeter:	181.09	ft
Wetted Top Width:	180.65	ft
Critical Slope:	0.1028	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~114~~ 865

Entellus™



Normal Depth Results

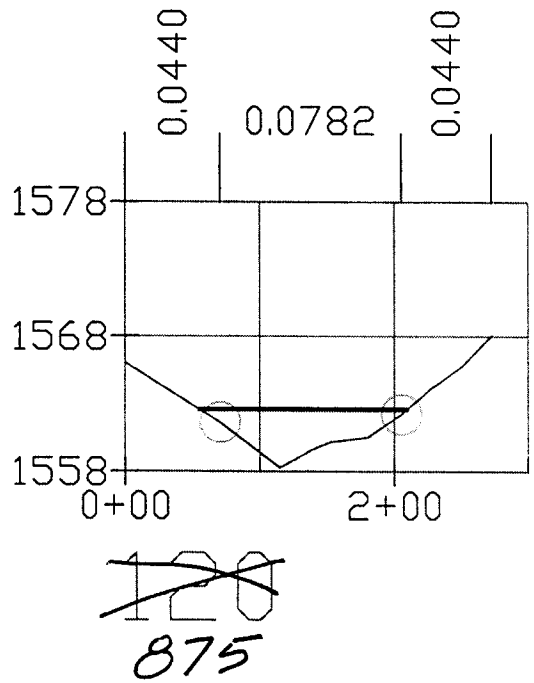
Cross-Section:	870	
Elevation:	1542.26	ft MSL
Depth:	3.80	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3313	
Flow Regime:	Subcritical	
Flow Area:	335.75	sq ft
Average Velocity:	3.67	ft/s
Maximum Velocity:	4.03	ft/s
Composite n:	0.0519	
Hydraulic Radius:	1.37	ft
Wetted Perimeter:	244.97	ft
Wetted Top Width:	244.70	ft
Critical Slope:	0.0974	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–870

Entellus™

File: T2N-R8W-S02E.dwg Date: 5/16/02



Normal Depth Results

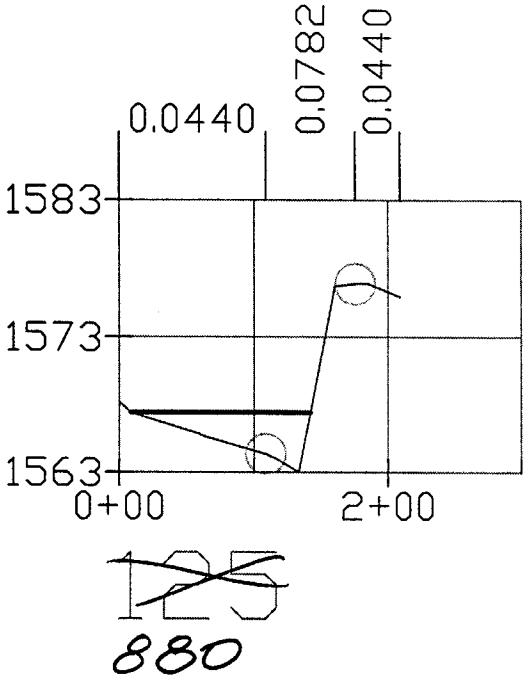
Cross-Section:	~~120~~ 875	
Elevation:	1562.63	ft MSL
Depth:	4.34	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3016	
Flow Regime:	Subcritical	
Flow Area:	345.27	sq ft
Average Velocity:	3.55	ft/s
Maximum Velocity:	3.59	ft/s
Composite n:	0.0742	
Hydraulic Radius:	2.23	ft
Wetted Perimeter:	154.94	ft
Wetted Top Width:	154.66	ft
Critical Slope:	0.1191	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/23/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~120~~ 875

Entellus™



Normal Depth Results

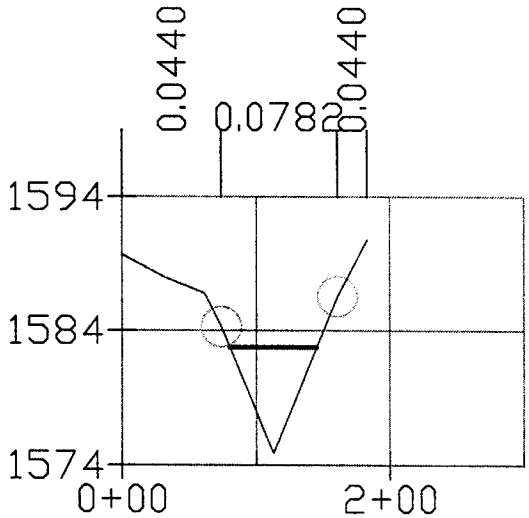
Cross-Section:	~~125~~ 880	
Elevation:	1567.48	ft MSL
Depth:	4.44	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3808	
Flow Regime:	Subcritical	
Flow Area:	270.35	sq ft
Average Velocity:	4.53	ft/s
Maximum Velocity:	4.71	ft/s
Composite n:	0.0537	
Hydraulic Radius:	2	ft
Wetted Perimeter:	134.97	ft
Wetted Top Width:	133.83	ft
Critical Slope:	0.0734	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~125~~ 880

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02



~~130~~ 885

Normal Depth Results

Cross-Section:	~~130~~ 885	
Elevation:	1582.77	ft MSL
Depth:	7.87	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0105	ft/ft
Froude Number:	0.3004	
Flow Regime:	Subcritical	
Flow Area:	257.26	sq ft
Average Velocity:	4.78	ft/s
Maximum Velocity:	4.78	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.83	ft
Wetted Perimeter:	67.11	ft
Wetted Top Width:	65.24	ft
Critical Slope:	0.1163	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~130~~885

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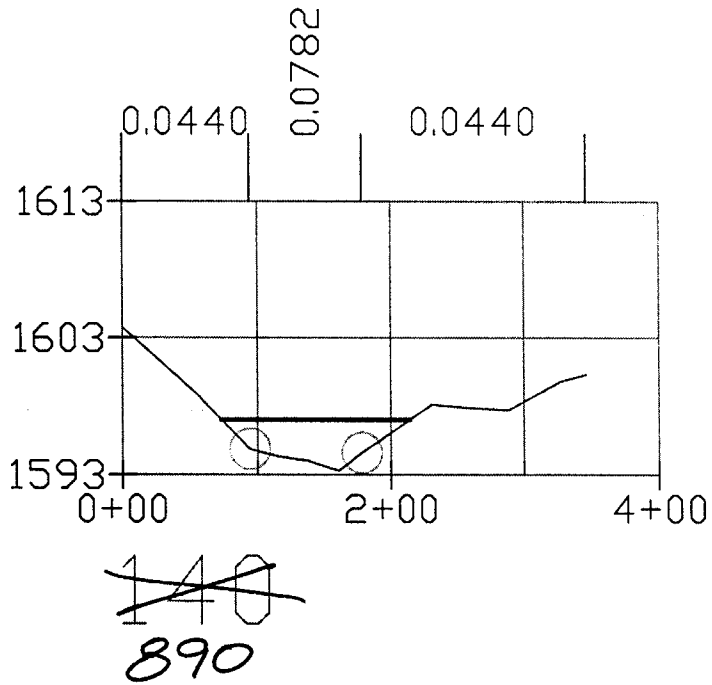


Normal Depth Results

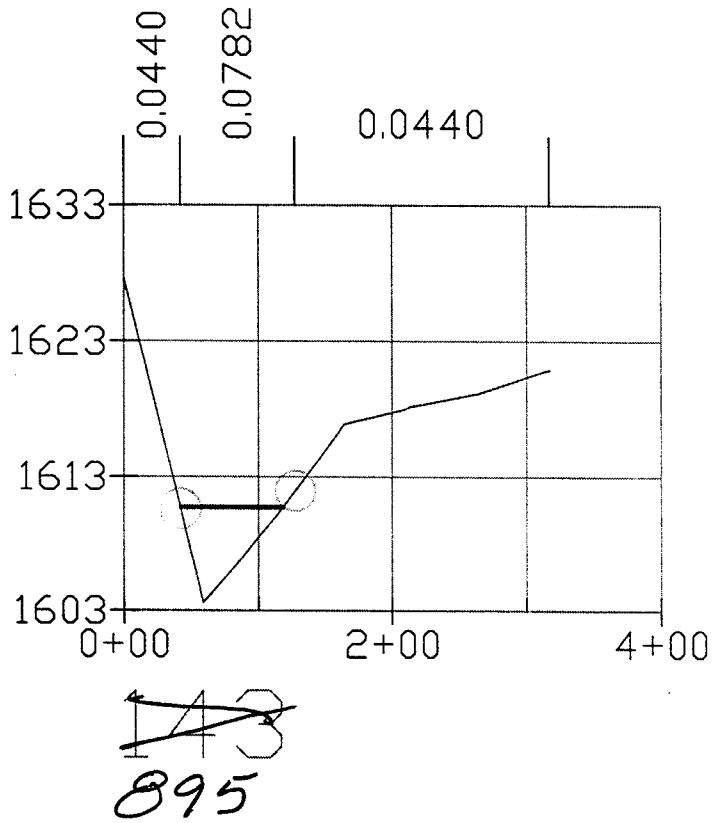
Cross-Section:	~~140~~ 890	
Elevation:	1597.04	ft MSL
Depth:	3.77	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3549	
Flow Regime:	Subcritical	
Flow Area:	314.61	sq ft
Average Velocity:	3.90	ft/s
Maximum Velocity:	3.94	ft/s
Composite n:	0.0654	
Hydraulic Radius:	2.22	ft
Wetted Perimeter:	141.52	ft
Wetted Top Width:	141.25	ft
Critical Slope:	0.0806	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~140~~ 890

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02



Normal Depth Results

Cross-Section:	~~143~~ 895	
Elevation:	1610.73	ft MSL
Depth:	7.14	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.2935	
Flow Regime:	Subcritical	
Flow Area:	276.52	sq ft
Average Velocity:	4.45	ft/s
Maximum Velocity:	4.45	ft/s
Composite n:	0.078	
Hydraulic Radius:	3.53	ft
Wetted Perimeter:	78.44	ft
Wetted Top Width:	76.58	ft
Critical Slope:	0.1175	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~143~~ 895

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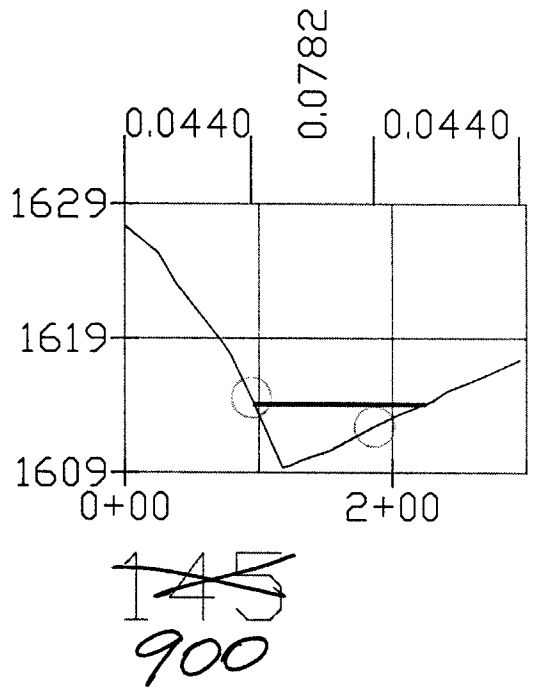
File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02



Normal Depth Results

Cross-Section:	~~145~~ 900	
Elevation:	1614.09	ft MSL
Depth:	4.70	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.322	
Flow Regime:	Subcritical	
Flow Area:	310.60	sq ft
Average Velocity:	3.96	ft/s
Maximum Velocity:	4.07	ft/s
Composite n:	0.069	
Hydraulic Radius:	2.42	ft
Wetted Perimeter:	128.34	ft
Wetted Top Width:	127.72	ft
Critical Slope:	0.0999	ft/ft

File: T2N-R8W-S02E-X-3ECTIONS.dwg Date: 5/28/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~145~~ 900

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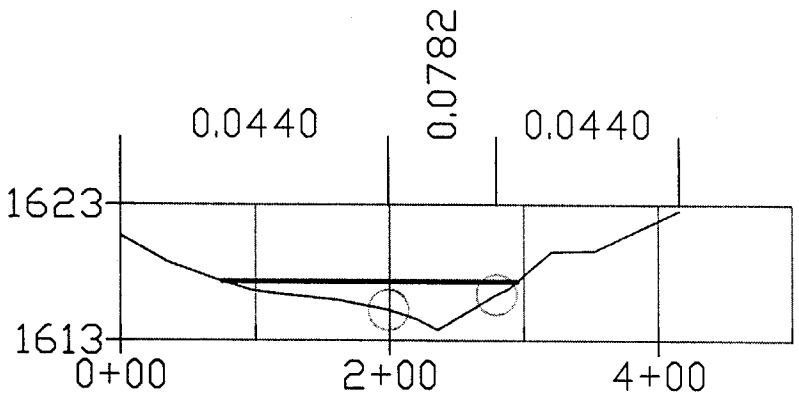

~~147~~
905

Normal Depth Results

Cross-Section:	~~147~~ 905	
Elevation:	1617.35	ft MSL
Depth:	3.56	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3321	
Flow Regime:	Subcritical	
Flow Area:	346.14	sq ft
Average Velocity:	3.54	ft/s
Maximum Velocity:	3.66	ft/s
Composite n:	0.0577	
Hydraulic Radius:	1.57	ft
Wetted Perimeter:	219.79	ft
Wetted Top Width:	219.63	ft
Critical Slope:	0.0936	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN
DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~147~~ 905

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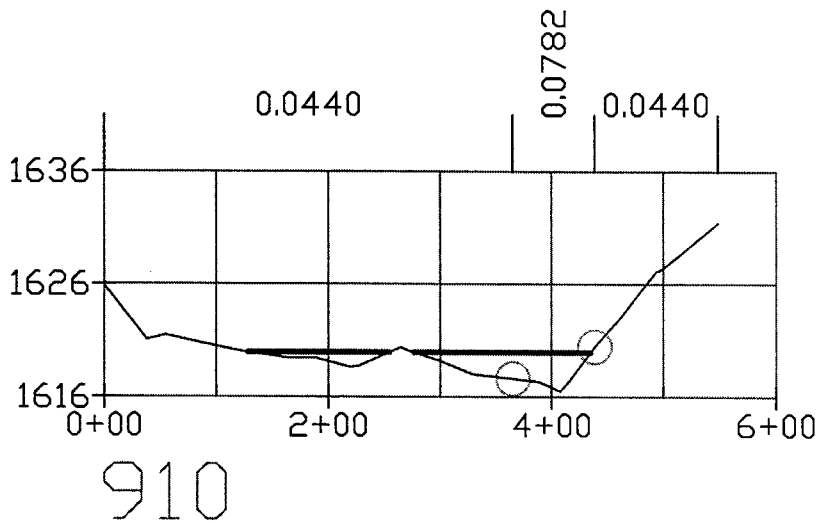


Normal Depth Results

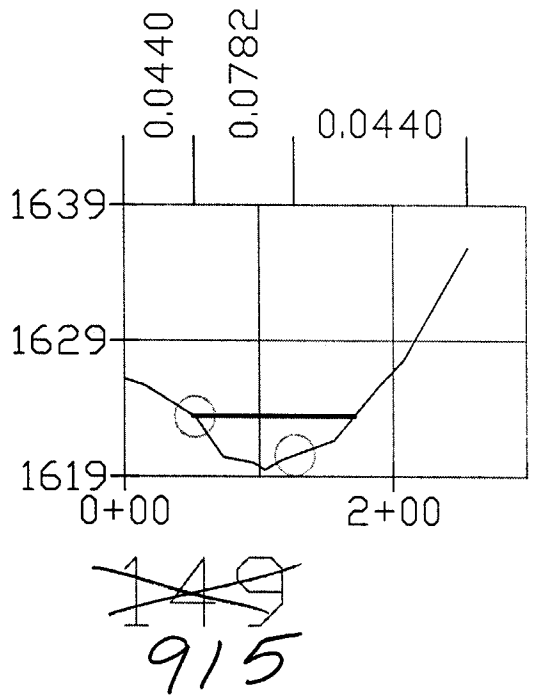
Cross-Section:	910	
Elevation:	1619.99	ft MSL
Depth:	3.47	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3146	
Flow Regime:	Subcritical	
Flow Area:	369.76	sq ft
Average Velocity:	3.33	ft/s
Maximum Velocity:	3.40	ft/s
Composite n:	0.0533	
Hydraulic Radius:	1.29	ft
Wetted Perimeter:	285.67	ft
Wetted Top Width:	285.34	ft
Critical Slope:	0.1016	ft/ft

File: T2N-R8W-S02E.dwg Date: 5/16/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–910

Entellus™



Normal Depth Results

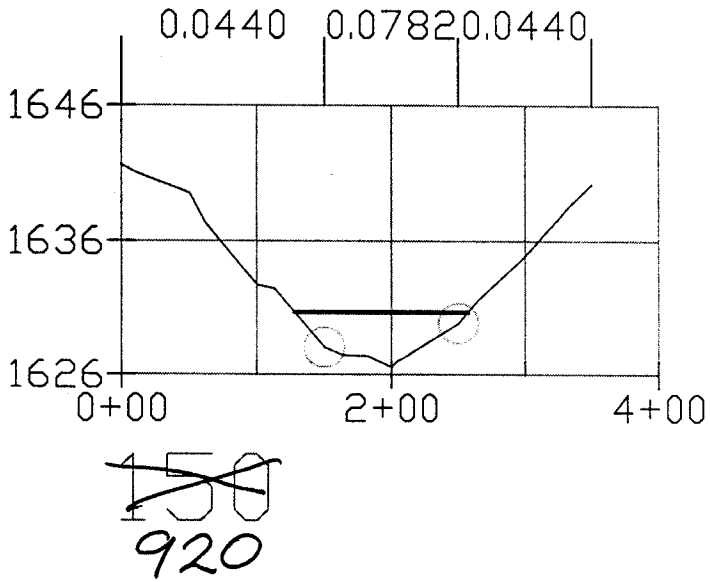
Cross-Section:	~~149~~ 915	
Elevation:	1623.45	ft MSL
Depth:	3.95	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3715	
Flow Regime:	Subcritical	
Flow Area:	293.81	sq ft
Average Velocity:	4.19	ft/s
Maximum Velocity:	5.12	ft/s
Composite n:	0.0662	
Hydraulic Radius:	2.44	ft
Wetted Perimeter:	120.45	ft
Wetted Top Width:	120.07	ft
Critical Slope:	0.0765	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~149~~ 915

Entellus™



Normal Depth Results

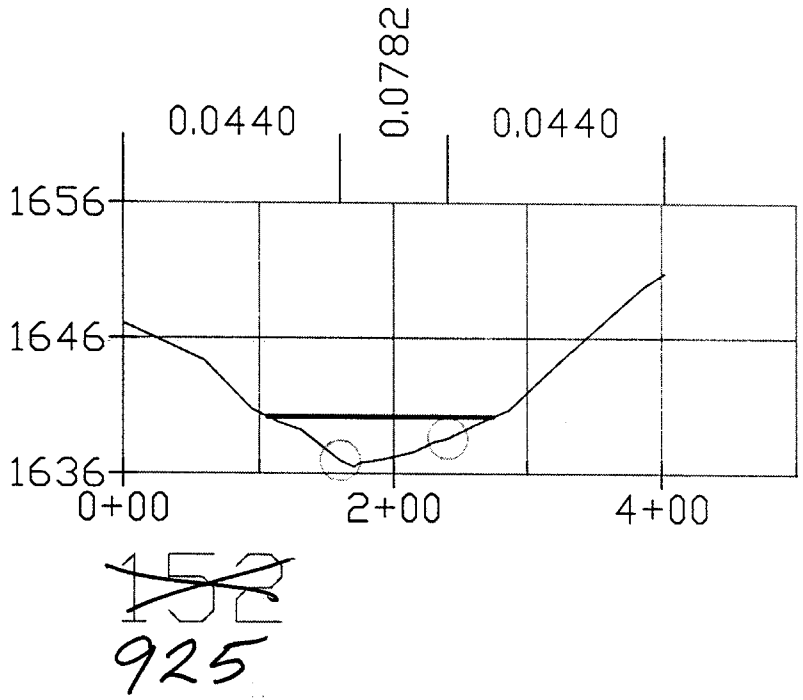
Cross-Section:	~~150~~ 920	
Elevation:	1630.69	ft MSL
Depth:	4.14	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.334	
Flow Regime:	Subcritical	
Flow Area:	319.06	sq ft
Average Velocity:	3.86	ft/s
Maximum Velocity:	4.06	ft/s
Composite n:	0.0711	
Hydraulic Radius:	2.46	ft
Wetted Perimeter:	129.63	ft
Wetted Top Width:	129.28	ft
Critical Slope:	0.0914	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~150~~ 920

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02



Normal Depth Results

Cross-Section:	~~152~~ 925	
Elevation:	1640.21	ft MSL
Depth:	3.70	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3473	
Flow Regime:	Subcritical	
Flow Area:	324.65	sq ft
Average Velocity:	3.80	ft/s
Maximum Velocity:	4.19	ft/s
Composite n:	0.0615	
Hydraulic Radius:	1.92	ft
Wetted Perimeter:	169.13	ft
Wetted Top Width:	168.93	ft
Critical Slope:	0.085	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~152~~ 925

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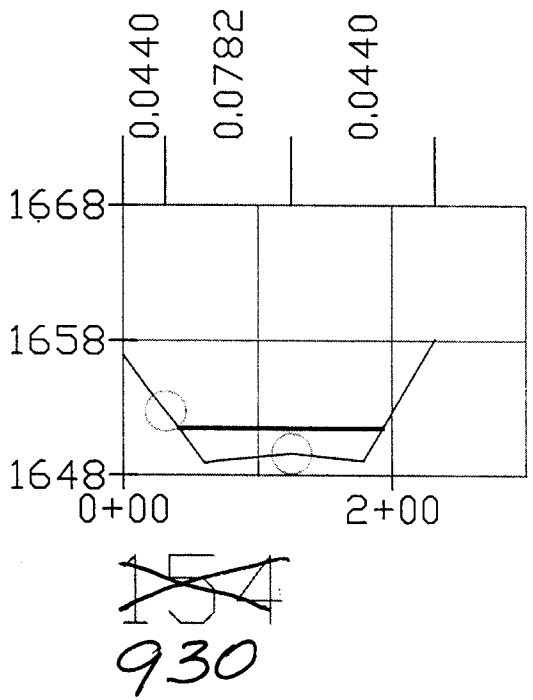
File: T2N-R8W-S02E-X-3E(TEONS.dwg Date: 5/28/02



Normal Depth Results

Cross-Section:	~~154~~ 930	
Elevation:	1651.51	ft MSL
Depth:	2.60	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.4456	
Flow Regime:	Subcritical	
Flow Area:	301.95	sq ft
Average Velocity:	4.05	ft/s
Maximum Velocity:	5.33	ft/s
Composite n:	0.064	
Hydraulic Radius:	1.98	ft
Wetted Perimeter:	152.20	ft
Wetted Top Width:	151.82	ft
Critical Slope:	0.0618	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~154~~ 930

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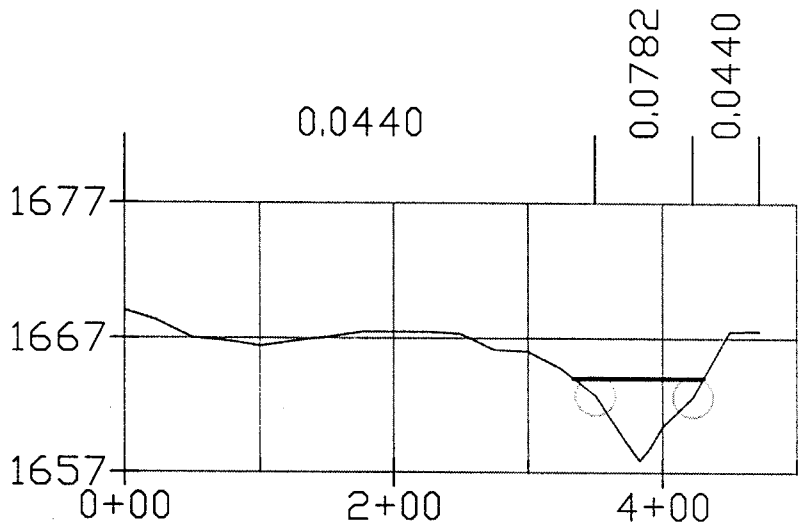
File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02



~~156~~ 935

Normal Depth Results

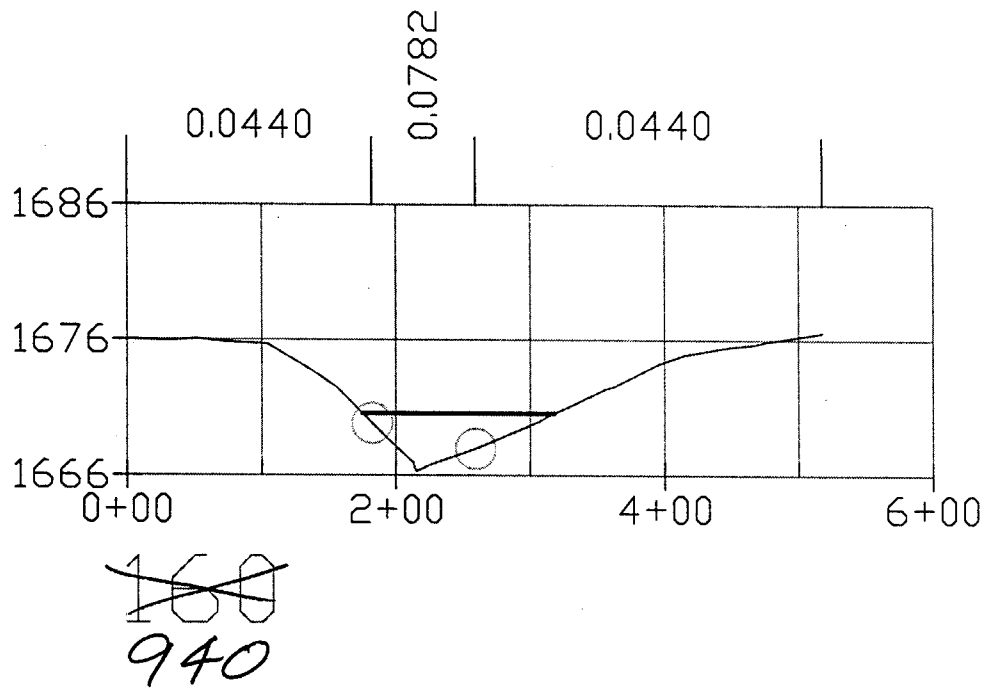
Cross-Section:	~~156~~ 935	
Elevation:	1664.03	ft MSL
Depth:	6.12	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3124	
Flow Regime:	Subcritical	
Flow Area:	280.54	sq ft
Average Velocity:	4.40	ft/s
Maximum Velocity:	4.51	ft/s
Composite n:	0.0705	
Hydraulic Radius:	2.88	ft
Wetted Perimeter:	97.34	ft
Wetted Top Width:	96.51	ft
Critical Slope:	0.1077	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~156~~ 935

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg, Date: 5/25/02



Normal Depth Results

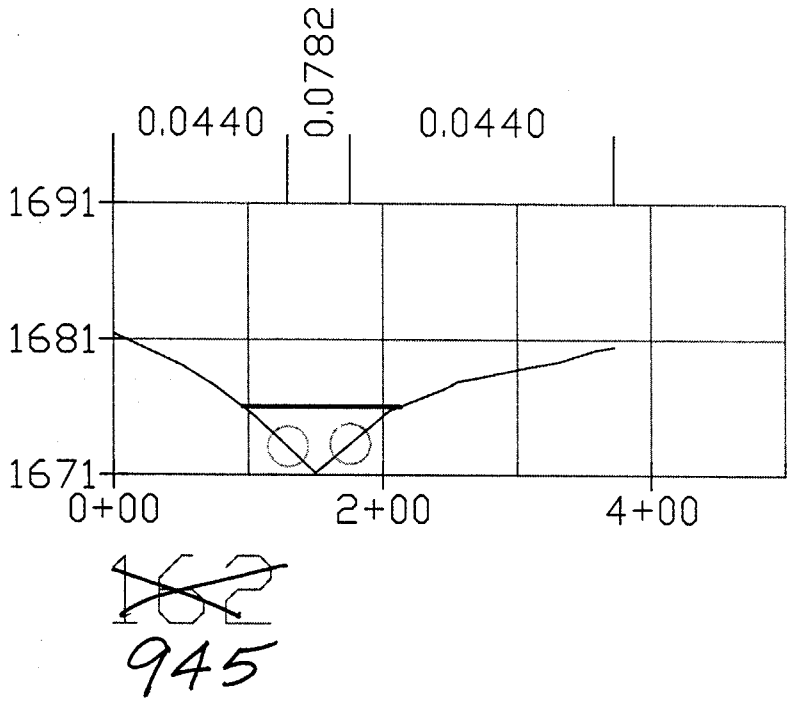
Cross-Section:	~~200~~ 940	
Elevation:	1670.58	ft MSL
Depth:	4.27	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3386	
Flow Regime:	Subcritical	
Flow Area:	309.82	sq ft
Average Velocity:	3.97	ft/s
Maximum Velocity:	4.17	ft/s
Composite n:	0.0636	
Hydraulic Radius:	2.16	ft
Wetted Perimeter:	143.45	ft
Wetted Top Width:	143.09	ft
Critical Slope:	0.0898	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~160~~ 940

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02



Normal Depth Results

Cross-Section:	~~162~~ 945	
Elevation:	1676.06	ft MSL
Depth:	4.92	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3583	
Flow Regime:	Subcritical	
Flow Area:	272.76	sq ft
Average Velocity:	4.50	ft/s
Maximum Velocity:	4.71	ft/s
Composite n:	0.0586	
Hydraulic Radius:	2.32	ft
Wetted Perimeter:	117.66	ft
Wetted Top Width:	117.23	ft
Critical Slope:	0.08	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~162~~ 945

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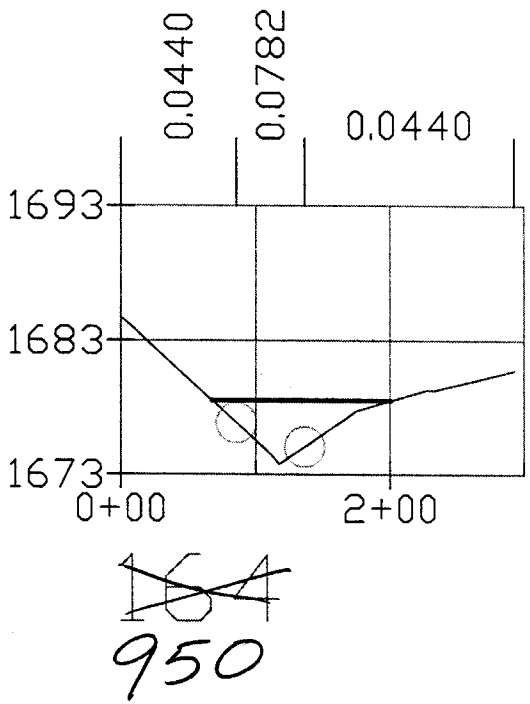
File: T2N-R8W-S02E-X-3FCTF9N3.dwg Date: 5/25/02



Normal Depth Results

Cross-Section:	~~165~~ 950	
Elevation:	1678.53	ft MSL
Depth:	4.75	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.349	
Flow Regime:	Subcritical	
Flow Area:	285.10	sq ft
Average Velocity:	4.30	ft/s
Maximum Velocity:	4.41	ft/s
Composite n:	0.0581	
Hydraulic Radius:	2.13	ft
Wetted Perimeter:	133.85	ft
Wetted Top Width:	133.48	ft
Critical Slope:	0.0849	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~164~~ 950

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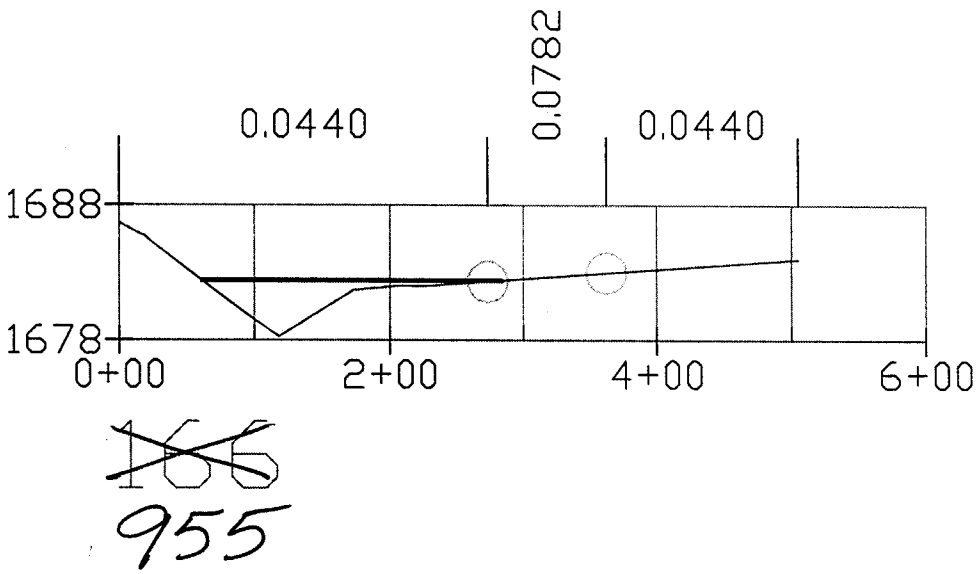
File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02



Normal Depth Results

Cross-Section:	~~166~~ 955	
Elevation:	1682.42	ft MSL
Depth:	4.16	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3639	
Flow Regime:	Subcritical	
Flow Area:	292.16	sq ft
Average Velocity:	4.20	ft/s
Maximum Velocity:	4.20	ft/s
Composite n:	0.0458	
Hydraulic Radius:	1.31	ft
Wetted Perimeter:	223.05	ft
Wetted Top Width:	222.79	ft
Critical Slope:	0.0885	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~166~~ 955

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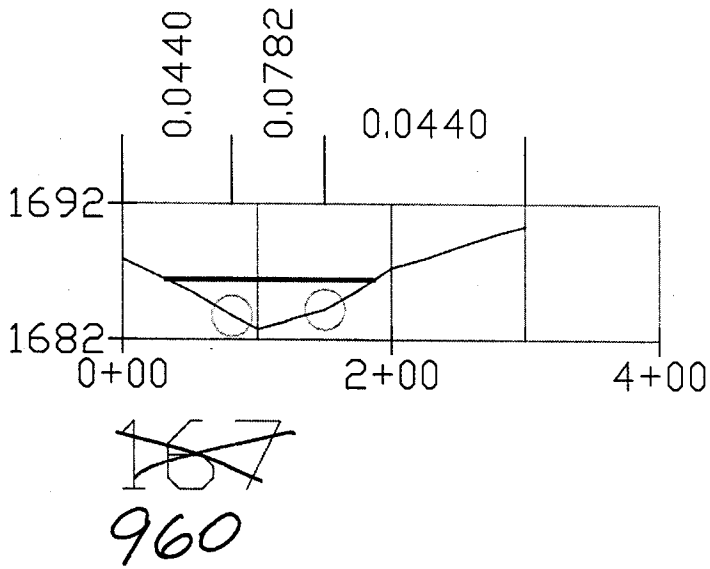

Normal Depth Results

Cross-Section:	~~207~~ 960	
Elevation:	1686.41	ft MSL
Depth:	3.68	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3628	
Flow Regime:	Subcritical	
Flow Area:	311.58	sq ft
Average Velocity:	3.95	ft/s
Maximum Velocity:	3.99	ft/s
Composite n:	0.0605	
Hydraulic Radius:	2.01	ft
Wetted Perimeter:	154.69	ft
Wetted Top Width:	154.50	ft
Critical Slope:	0.0768	ft/ft

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~207~~ 960

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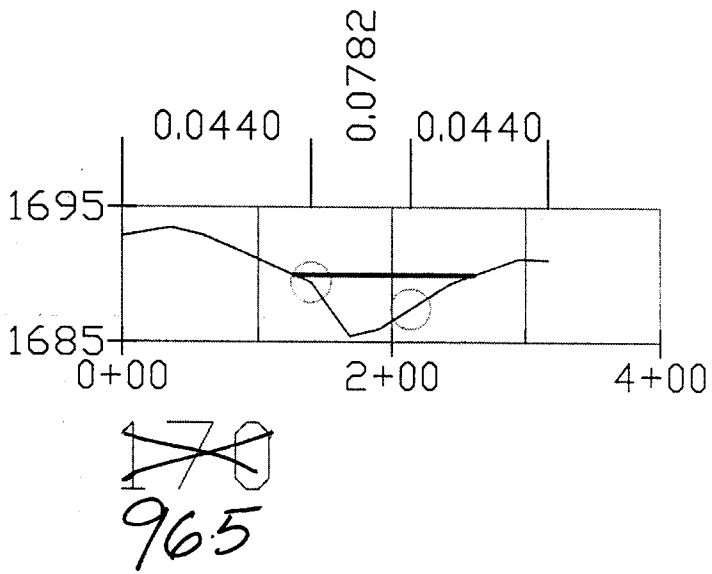

Normal Depth Results

Cross-Section:	~~170~~ 965	
Elevation:	1689.98	ft MSL
Depth:	4.56	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.338	
Flow Regime:	Subcritical	
Flow Area:	300.47	sq ft
Average Velocity:	4.08	ft/s
Maximum Velocity:	4.22	ft/s
Composite n:	0.0641	
Hydraulic Radius:	2.23	ft
Wetted Perimeter:	134.91	ft
Wetted Top Width:	134.50	ft
Critical Slope:	0.0935	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~170~~ 965

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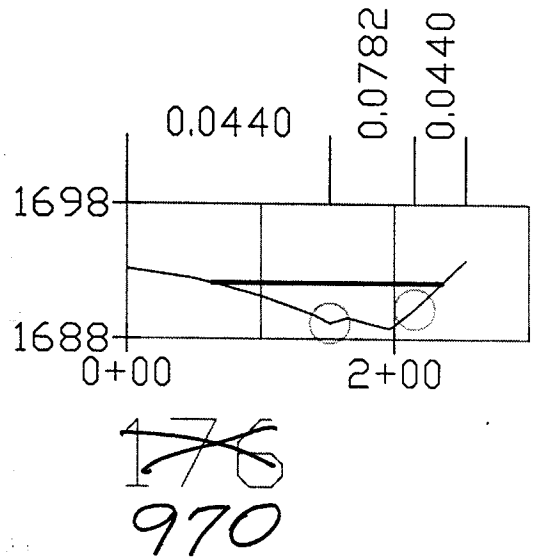
File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/28/02



Normal Depth Results

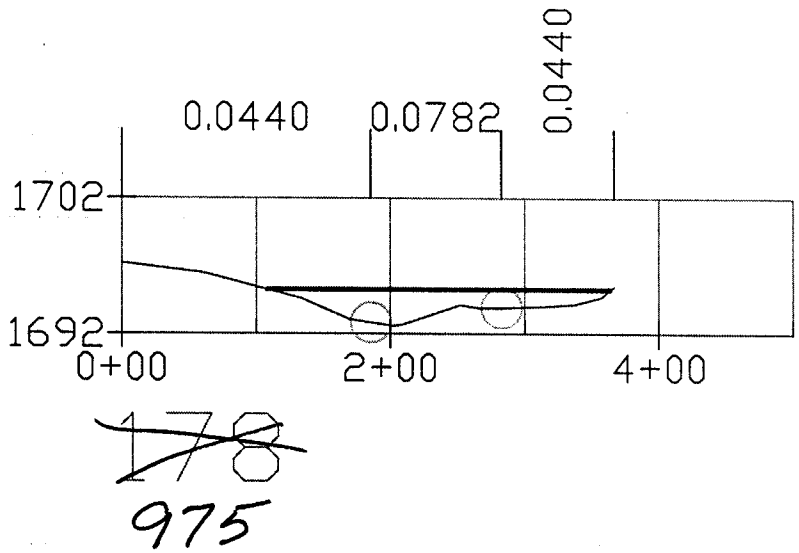
Cross-Section:	~~176~~ 970	
Elevation:	1692.16	ft MSL
Depth:	3.37	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3755	
Flow Regime:	Subcritical	
Flow Area:	314.39	sq ft
Average Velocity:	3.89	ft/s
Maximum Velocity:	4.06	ft/s
Composite n:	0.0577	
Hydraulic Radius:	1.83	ft
Wetted Perimeter:	171.95	ft
Wetted Top Width:	171.73	ft
Critical Slope:	0.0729	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~176~~ 970

Entellus™

File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/25/02



Normal Depth Results

Cross-Section:	~~178~~ 975	
Elevation:	1695.29	ft MSL
Depth:	2.69	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3612	
Flow Regime:	Subcritical	
Flow Area:	366.35	sq ft
Average Velocity:	3.34	ft/s
Maximum Velocity:	3.96	ft/s
Composite n:	0.0581	
Hydraulic Radius:	1.43	ft
Wetted Perimeter:	256.14	ft
Wetted Top Width:	256.03	ft
Critical Slope:	0.0816	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~178~~ 975

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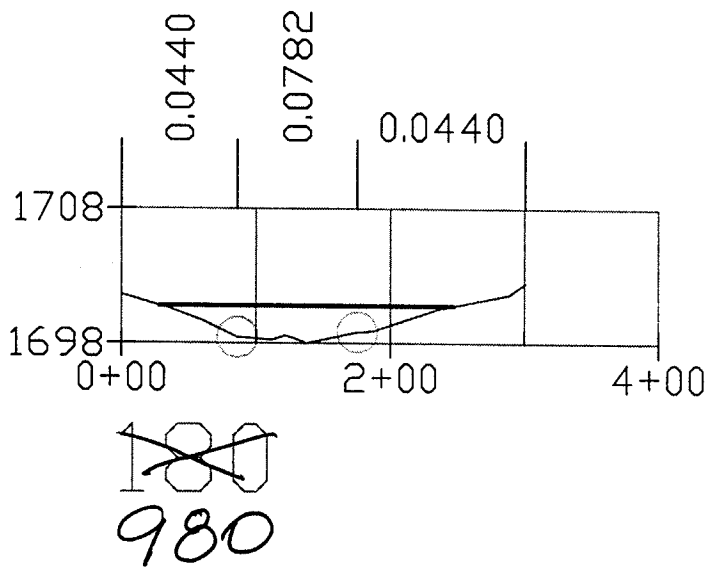
File: T2N-R8W-S02E-X-SECTIONS.dwg Date: 5/23/02



Normal Depth Results

Cross-Section:	~~180~~ 980	
Elevation:	1700.82	ft MSL
Depth:	2.82	ft
Discharge:	1230.00	cfs
Energy Gradient:	0.0101	ft/ft
Froude Number:	0.3647	
Flow Regime:	Subcritical	
Flow Area:	354.08	sq ft
Average Velocity:	3.49	ft/s
Maximum Velocity:	3.56	ft/s
Composite n:	0.0591	
Hydraulic Radius:	1.62	ft
Wetted Perimeter:	218.94	ft
Wetted Top Width:	218.83	ft
Critical Slope:	0.0752	ft/ft

File: T2N-R8W-S02E-X-3BCTIONS.dwg Date: 5/23/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02E–~~180~~ 980

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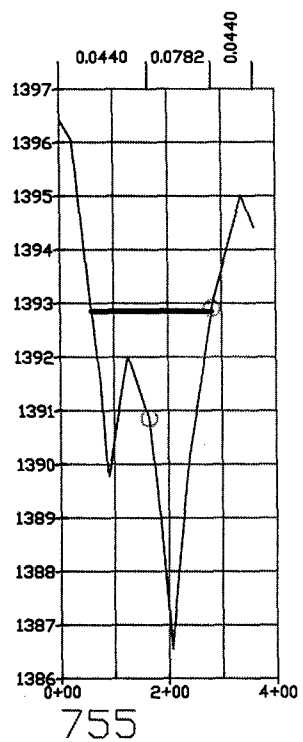
T2N-R8W-S02W



Normal Depth Results

Cross-Section:	755	
Elevation:	1392.85	ft MSL
Depth:	6.30	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3008	
Flow Regime:	Subcritical	
Flow Area:	539.22	sq ft
Average Velocity:	4.31	ft/s
Maximum Velocity:	4.66	ft/s
Composite n:	0.0631	
Hydraulic Radius:	2.42	ft
Wetted Perimeter:	223.23	ft
Wetted Top Width:	222.47	ft
Critical Slope:	0.1123	ft/ft

NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–755

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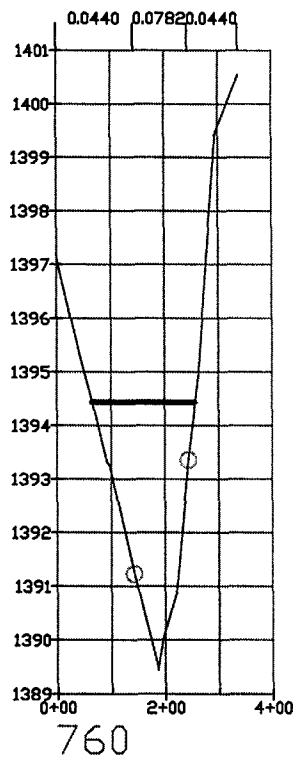
File: T2N-R8W-S02W.dwg Date: 5/16/02



Normal Depth Results

Cross-Section:	760	
Elevation:	1394.44	ft MSL
Depth:	4.99	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3606	
Flow Regime:	Subcritical	
Flow Area:	505.36	sq ft
Average Velocity:	4.58	ft/s
Maximum Velocity:	4.62	ft/s
Composite n:	0.0632	
Hydraulic Radius:	2.63	ft
Wetted Perimeter:	192.18	ft
Wetted Top Width:	191.86	ft
Critical Slope:	0.0797	ft/ft

NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–760

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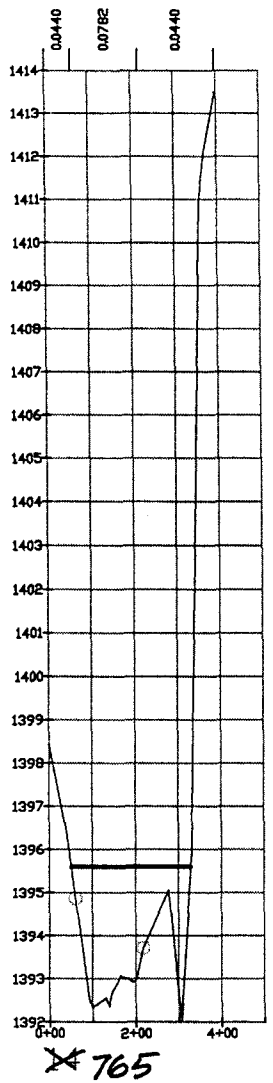
File: T2N-R8W-S02W.dwg, Date: 5/16/02



Normal Depth Results

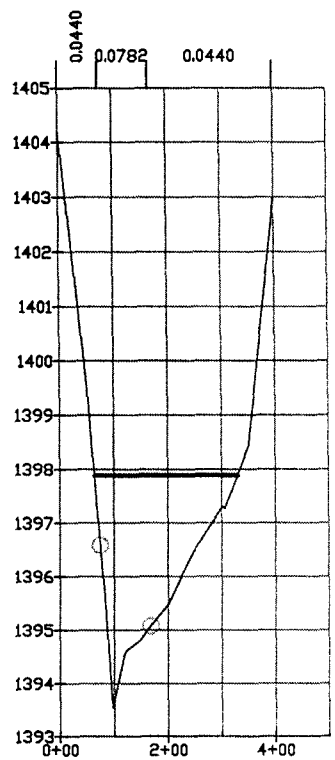
Cross-Section:	~~14~~ 765	
Elevation:	1395.60	ft MSL
Depth:	3.57	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3662	
Flow Regime:	Subcritical	
Flow Area:	588.38	sq ft
Average Velocity:	3.92	ft/s
Maximum Velocity:	4.59	ft/s
Composite n:	0.0644	
Hydraulic Radius:	2.11	ft
Wetted Perimeter:	278.30	ft
Wetted Top Width:	277.69	ft
Critical Slope:	0.0791	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~X~~ 765

Entellus™

File: T2N-R8W-S02W.dwg Date: 5/28/02



~~20~~ 770

Normal Depth Results

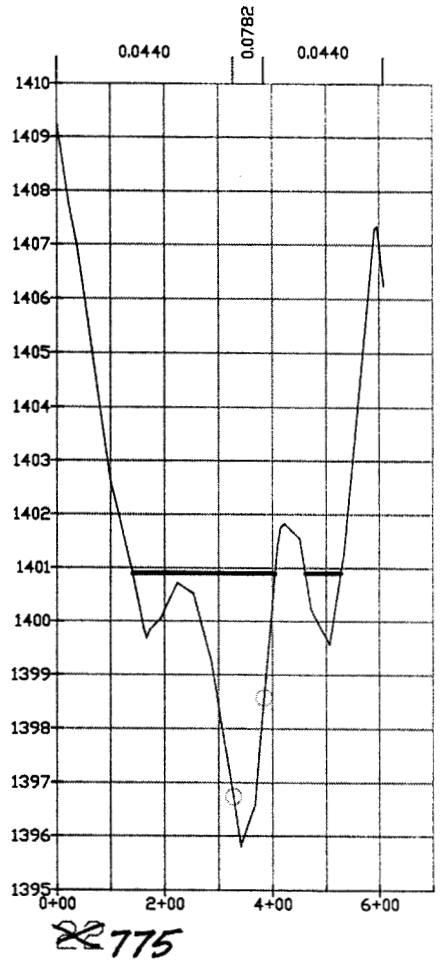
Cross-Section:	~~20~~ 770	
Elevation:	1397.89	ft MSL
Depth:	4.34	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3595	
Flow Regime:	Subcritical	
Flow Area:	543.64	sq ft
Average Velocity:	4.26	ft/s
Maximum Velocity:	4.42	ft/s
Composite n:	0.0571	
Hydraulic Radius:	2.04	ft
Wetted Perimeter:	266.63	ft
Wetted Top Width:	266.29	ft
Critical Slope:	0.0795	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~20~~ 770

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



Normal Depth Results

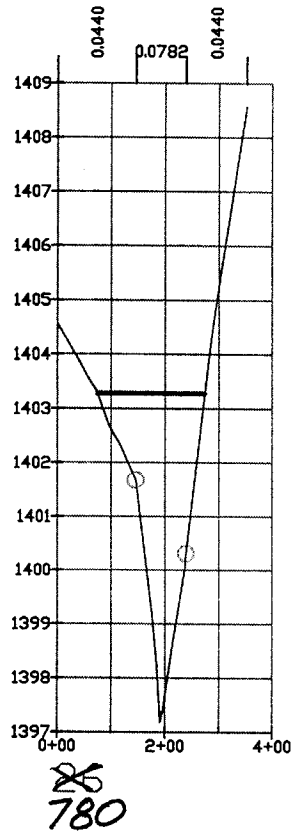
Cross-Section:	~~22~~ 775	
Elevation:	1400.90	ft MSL
Depth:	5.09	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3342	
Flow Regime:	Subcritical	
Flow Area:	539.91	sq ft
Average Velocity:	4.28	ft/s
Maximum Velocity:	5.06	ft/s
Composite n:	0.0506	
Hydraulic Radius:	1.63	ft
Wetted Perimeter:	332.15	ft
Wetted Top Width:	331.65	ft
Critical Slope:	0.0989	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~22~~ 775

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



Normal Depth Results

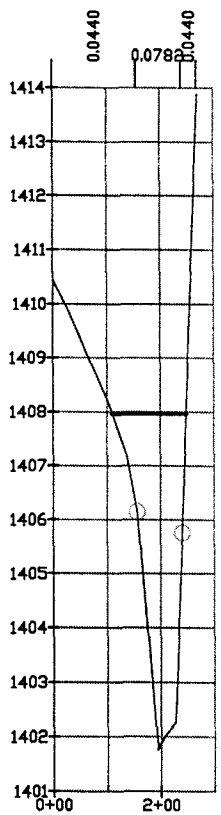
Cross-Section:	~~26~~ 780	
Elevation:	1403.28	ft MSL
Depth:	6.09	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3333	
Flow Regime:	Subcritical	
Flow Area:	494.95	sq ft
Average Velocity:	4.65	ft/s
Maximum Velocity:	4.92	ft/s
Composite n:	0.0611	
Hydraulic Radius:	2.47	ft
Wetted Perimeter:	200.26	ft
Wetted Top Width:	199.77	ft
Critical Slope:	0.0988	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~26~~780

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/26/02



~~80~~ 785

Normal Depth Results

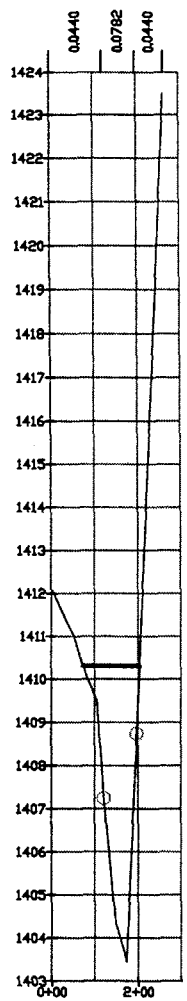
Cross-Section:	~~80~~ 785	
Elevation:	1407.98	ft MSL
Depth:	6.21	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3657	
Flow Regime:	Subcritical	
Flow Area:	446.98	sq ft
Average Velocity:	5.17	ft/s
Maximum Velocity:	5.41	ft/s
Composite n:	0.0661	
Hydraulic Radius:	3.21	ft
Wetted Perimeter:	139.19	ft
Wetted Top Width:	138.13	ft
Critical Slope:	0.0829	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~80~~ 785

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/26/02



~~82~~ 790

Normal Depth Results

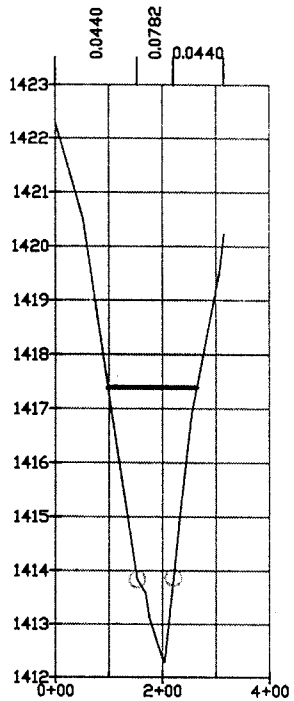
Cross-Section:	~~82~~ 790	
Elevation:	1410.31	ft MSL
Depth:	6.86	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.359	
Flow Regime:	Subcritical	
Flow Area:	432.95	sq ft
Average Velocity:	5.35	ft/s
Maximum Velocity:	5.63	ft/s
Composite n:	0.0651	
Hydraulic Radius:	3.3	ft
Wetted Perimeter:	131.09	ft
Wetted Top Width:	129.98	ft
Critical Slope:	0.0857	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~82~~ 790

Entellus™

File: T2N-R8W-S02W.dwg Date: 5/28/02



~~35~~ 795

Normal Depth Results

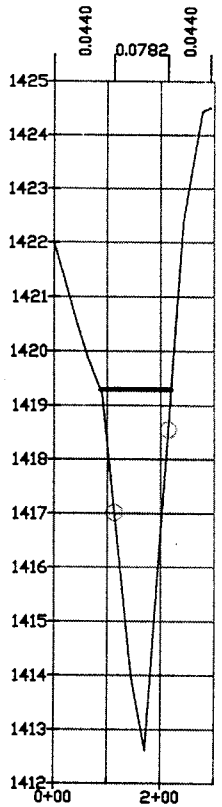
Cross-Section:	~~35~~ 795	
Elevation:	1417.40	ft MSL
Depth:	5.11	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3916	
Flow Regime:	Subcritical	
Flow Area:	460.11	sq ft
Average Velocity:	5.01	ft/s
Maximum Velocity:	5.09	ft/s
Composite n:	0.0591	
Hydraulic Radius:	2.75	ft
Wetted Perimeter:	167.02	ft
Wetted Top Width:	166.65	ft
Critical Slope:	0.0669	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~35~~ 795

Entellus™

File: T2N-R8W-S02W.dwg Date: 5/23/02



~~37~~ 800

Normal Depth Results

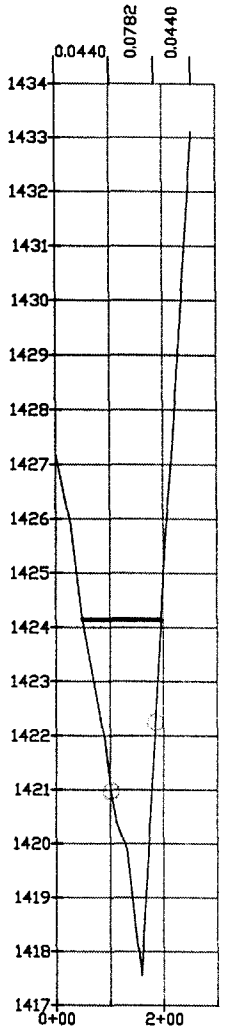
Cross-Section:	~~37~~ 800	
Elevation:	1419.29	ft MSL
Depth:	6.68	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3386	
Flow Regime:	Subcritical	
Flow Area:	465.10	sq ft
Average Velocity:	4.97	ft/s
Maximum Velocity:	5.08	ft/s
Composite n:	0.0707	
Hydraulic Radius:	3.47	ft
Wetted Perimeter:	134.07	ft
Wetted Top Width:	133.32	ft
Critical Slope:	0.0923	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~37~~ 800

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



~~48~~
805

Normal Depth Results

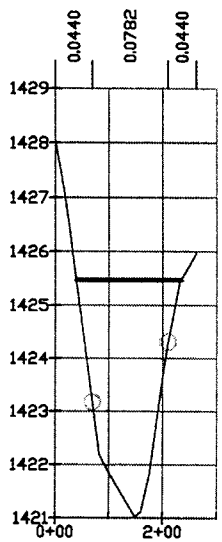
Cross-Section:	~~48~~ 805	
Elevation:	1424.14	ft MSL
Depth:	6.58	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.346	
Flow Regime:	Subcritical	
Flow Area:	458.77	sq ft
Average Velocity:	5.03	ft/s
Maximum Velocity:	5.20	ft/s
Composite n:	0.0645	
Hydraulic Radius:	3.12	ft
Wetted Perimeter:	147.04	ft
Wetted Top Width:	146.25	ft
Critical Slope:	0.087	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~48~~ 805

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



~~A2~~ 810

Normal Depth Results

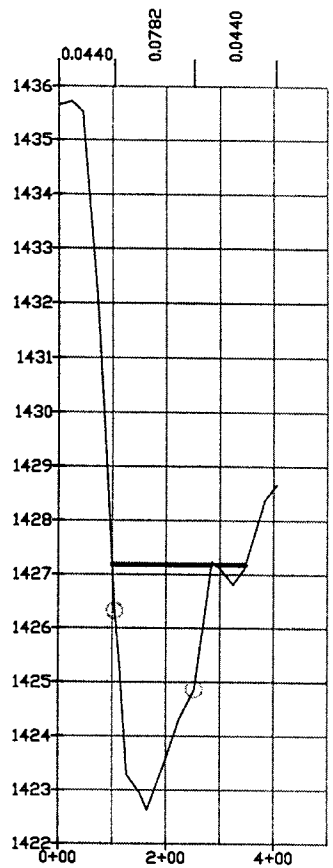
Cross-Section:	~~A2~~ 810	
Elevation:	1425.48	ft MSL
Depth:	4.46	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3594	
Flow Regime:	Subcritical	
Flow Area:	536.55	sq ft
Average Velocity:	4.31	ft/s
Maximum Velocity:	4.41	ft/s
Composite n:	0.0695	
Hydraulic Radius:	2.74	ft
Wetted Perimeter:	195.56	ft
Wetted Top Width:	195.29	ft
Critical Slope:	0.0813	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~A2~~ 810

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/25/02



~~43~~
815

Normal Depth Results

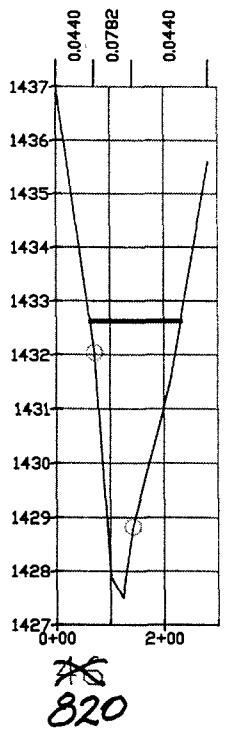
Cross-Section:	~~43~~ 815	
Elevation:	1427.18	ft MSL
Depth:	4.55	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3454	
Flow Regime:	Subcritical	
Flow Area:	552.66	sq ft
Average Velocity:	4.17	ft/s
Maximum Velocity:	4.35	ft/s
Composite n:	0.0663	
Hydraulic Radius:	2.32	ft
Wetted Perimeter:	238.10	ft
Wetted Top Width:	237.69	ft
Critical Slope:	0.0945	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~43~~ 815

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



Normal Depth Results

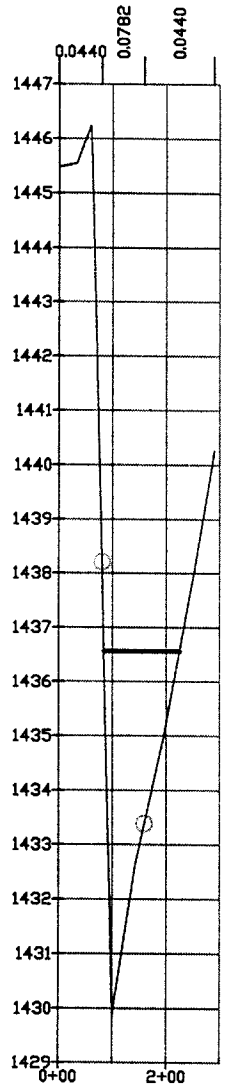
Cross-Section:	~~76~~ 820	
Elevation:	1432.63	ft MSL
Depth:	5.13	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3913	
Flow Regime:	Subcritical	
Flow Area:	459.41	sq ft
Average Velocity:	5.02	ft/s
Maximum Velocity:	5.53	ft/s
Composite n:	0.0595	
Hydraulic Radius:	2.7	ft
Wetted Perimeter:	169.90	ft
Wetted Top Width:	169.46	ft
Critical Slope:	0.0698	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~76~~ 820

Entellus™

File: T2N-R8W-S02W.dwg Date: 5/28/02



~~77~~825

Normal Depth Results

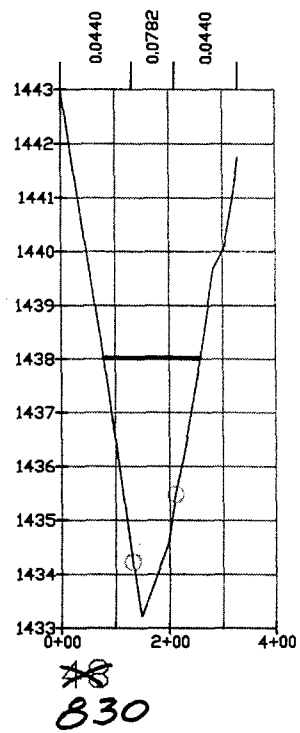
Cross-Section:	~~77~~825	
Elevation:	1436.57	ft MSL
Depth:	6.73	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3483	
Flow Regime:	Subcritical	
Flow Area:	450.79	sq ft
Average Velocity:	5.10	ft/s
Maximum Velocity:	5.20	ft/s
Composite n:	0.0636	
Hydraulic Radius:	3.16	ft
Wetted Perimeter:	142.66	ft
Wetted Top Width:	141.08	ft
Critical Slope:	0.085	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~77~~825

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



Normal Depth Results

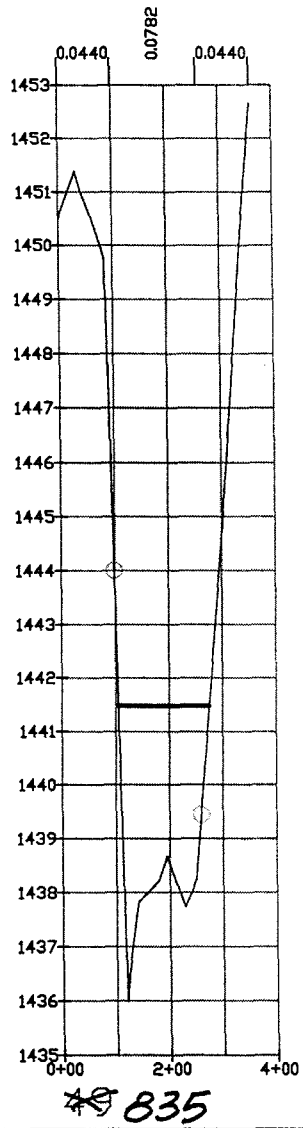
Cross-Section:	~~48~~ 830	
Elevation:	1438.03	ft MSL
Depth:	4.81	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3865	
Flow Regime:	Subcritical	
Flow Area:	480.64	sq ft
Average Velocity:	4.82	ft/s
Maximum Velocity:	5.23	ft/s
Composite n:	0.0603	
Hydraulic Radius:	2.67	ft
Wetted Perimeter:	180.04	ft
Wetted Top Width:	179.76	ft
Critical Slope:	0.0684	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~48~~ 830

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/23/02



Normal Depth Results

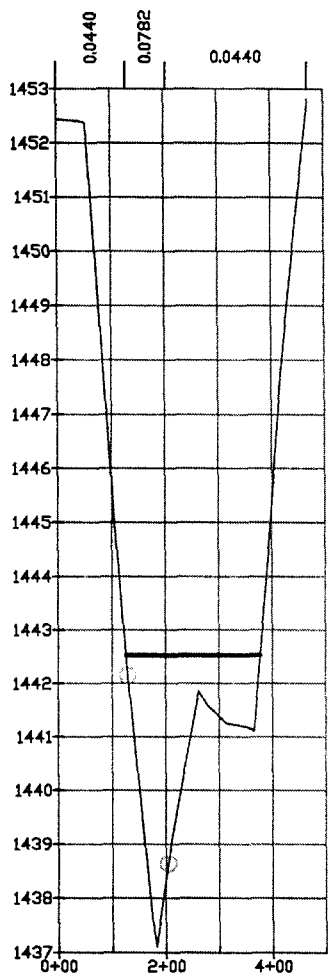
Cross-Section:	835	
Elevation:	1441.48	ft MSL
Depth:	5.49	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.323	
Flow Regime:	Subcritical	
Flow Area:	537.92	sq ft
Average Velocity:	4.30	ft/s
Maximum Velocity:	4.33	ft/s
Composite n:	0.0753	
Hydraulic Radius:	3.15	ft
Wetted Perimeter:	170.81	ft
Wetted Top Width:	169.47	ft
Critical Slope:	0.0978	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–835

Entellus™

File: T2N-R8W-S02W.dwg, Date: 5/28/02



~~50~~ 840

Normal Depth Results

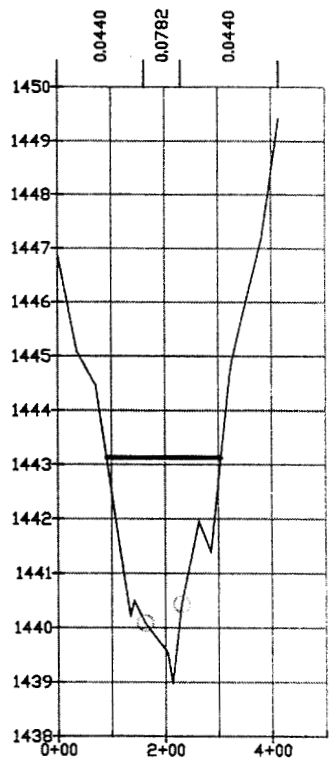
Cross-Section:	~~50~~ 840	
Elevation:	1442.53	ft MSL
Depth:	5.42	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3353	
Flow Regime:	Subcritical	
Flow Area:	521.69	sq ft
Average Velocity:	4.44	ft/s
Maximum Velocity:	4.47	ft/s
Composite n:	0.0553	
Hydraulic Radius:	2.07	ft
Wetted Perimeter:	252.16	ft
Wetted Top Width:	251.66	ft
Critical Slope:	0.0911	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~50~~ 840

Entellus™

File: T2N-R8W-S02W.dwg, Date: 5/28/02



~~52~~ 845

Normal Depth Results

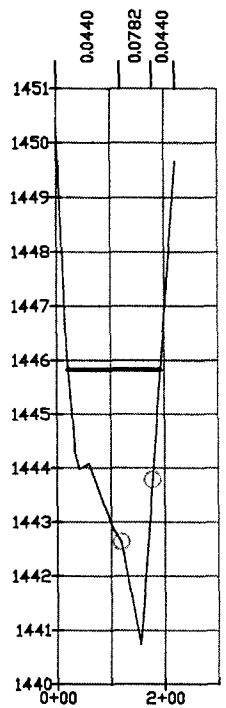
Cross-Section:	~~52~~ 845	
Elevation:	1443.13	ft MSL
Depth:	4.16	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.4076	
Flow Regime:	Subcritical	
Flow Area:	489.66	sq ft
Average Velocity:	4.70	ft/s
Maximum Velocity:	5.41	ft/s
Composite n:	0.056	
Hydraulic Radius:	2.28	ft
Wetted Perimeter:	214.75	ft
Wetted Top Width:	214.44	ft
Critical Slope:	0.0631	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~52~~ 845

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/26/02



~~54~~
850

Normal Depth Results

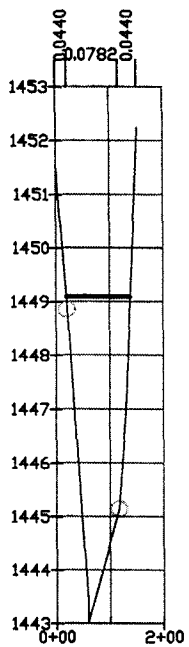
Cross-Section:	~~54~~ 850	
Elevation:	1445.83	ft MSL
Depth:	5.09	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3978	
Flow Regime:	Subcritical	
Flow Area:	453.54	sq ft
Average Velocity:	5.11	ft/s
Maximum Velocity:	5.61	ft/s
Composite n:	0.0569	
Hydraulic Radius:	2.63	ft
Wetted Perimeter:	172.63	ft
Wetted Top Width:	172.12	ft
Critical Slope:	0.066	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~54~~ 850

Entellus™

File: T2N-R8W-S02W.dwg, Date: 5/28/02



~~56~~
855

Normal Depth Results

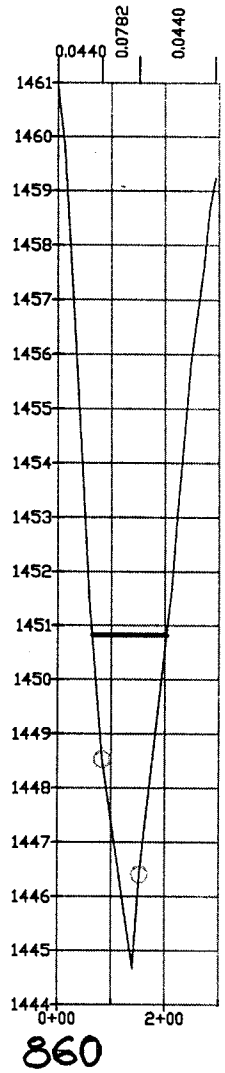
Cross-Section:	~~56~~ 855	
Elevation:	1449.09	ft MSL
Depth:	6.05	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3649	
Flow Regime:	Subcritical	
Flow Area:	453.68	sq ft
Average Velocity:	5.08	ft/s
Maximum Velocity:	5.79	ft/s
Composite n:	0.072	
Hydraulic Radius:	3.76	ft
Wetted Perimeter:	120.70	ft
Wetted Top Width:	119.82	ft
Critical Slope:	0.0779	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~56~~855

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



Normal Depth Results

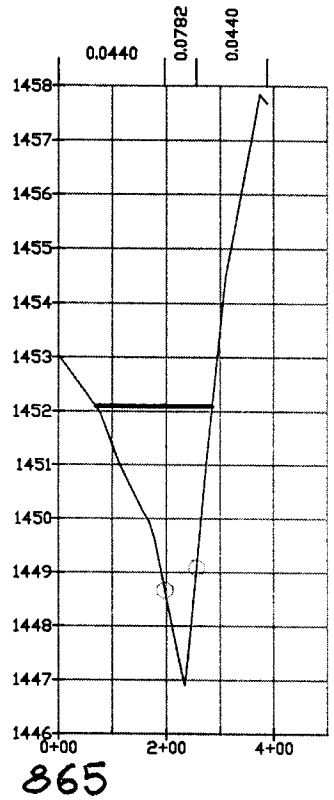
Cross-Section:	~~50~~ 860	
Elevation:	1450.83	ft MSL
Depth:	6.16	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3723	
Flow Regime:	Subcritical	
Flow Area:	440.80	sq ft
Average Velocity:	5.25	ft/s
Maximum Velocity:	5.78	ft/s
Composite n:	0.0625	
Hydraulic Radius:	3.17	ft
Wetted Perimeter:	139.01	ft
Wetted Top Width:	138.42	ft
Critical Slope:	0.0748	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~50~~ 860

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/23/02



Normal Depth Results

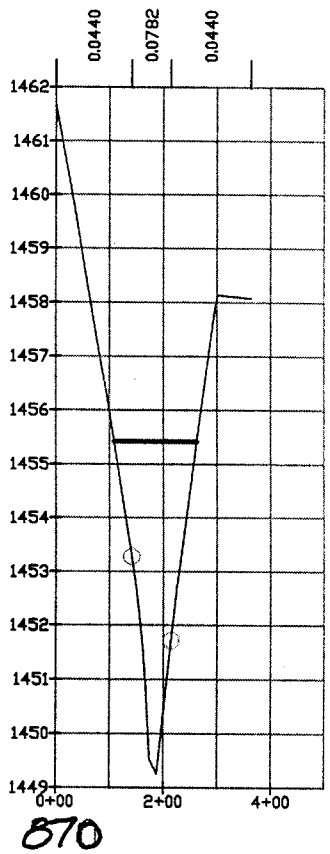
Cross-Section:	865	
Elevation:	1452.10	ft MSL
Depth:	5.20	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3679	
Flow Regime:	Subcritical	
Flow Area:	485.45	sq ft
Average Velocity:	4.76	ft/s
Maximum Velocity:	5.05	ft/s
Composite n:	0.0542	
Hydraulic Radius:	2.23	ft
Wetted Perimeter:	217.43	ft
Wetted Top Width:	217.07	ft
Critical Slope:	0.076	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~85~~ 865

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



Normal Depth Results

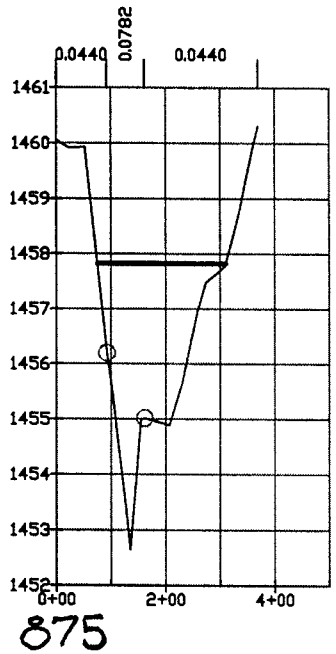
Cross-Section:	~~70~~ 870	
Elevation:	1455.42	ft MSL
Depth:	6.17	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3606	
Flow Regime:	Subcritical	
Flow Area:	454.43	sq ft
Average Velocity:	5.09	ft/s
Maximum Velocity:	5.26	ft/s
Composite n:	0.0614	
Hydraulic Radius:	2.93	ft
Wetted Perimeter:	155.01	ft
Wetted Top Width:	154.44	ft
Critical Slope:	0.0805	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~70~~ 870

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



Normal Depth Results

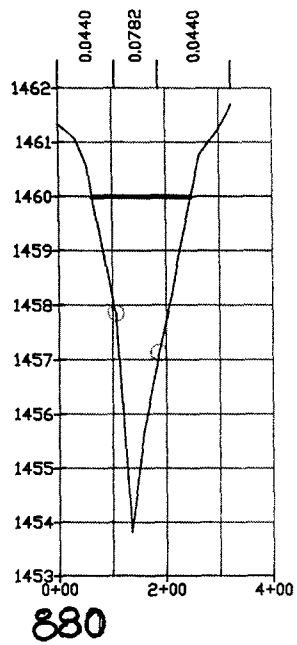
Cross-Section:	~~75~~ 875	
Elevation:	1457.82	ft MSL
Depth:	5.16	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3557	
Flow Regime:	Subcritical	
Flow Area:	503.81	sq ft
Average Velocity:	4.56	ft/s
Maximum Velocity:	4.81	ft/s
Composite n:	0.0551	
Hydraulic Radius:	2.13	ft
Wetted Perimeter:	236.66	ft
Wetted Top Width:	236.25	ft
Critical Slope:	0.083	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~75~~ 875

Entellus™

File: T2N-R8W-S02W.dwg, Date: 7/12/02



Normal Depth Results

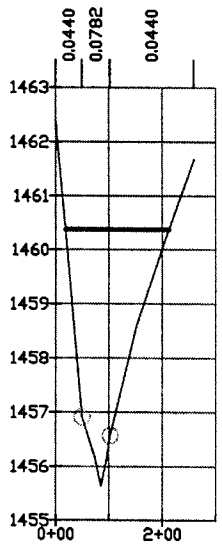
Cross-Section:	~~80~~ 880	
Elevation:	1459.99	ft MSL
Depth:	6.17	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3409	
Flow Regime:	Subcritical	
Flow Area:	480.80	sq ft
Average Velocity:	4.79	ft/s
Maximum Velocity:	5.05	ft/s
Composite n:	0.0602	
Hydraulic Radius:	2.59	ft
Wetted Perimeter:	185.49	ft
Wetted Top Width:	184.99	ft
Critical Slope:	0.091	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~80~~ 880

Entellus™

File: T2N-R8W-S02W.dwg, Date: 5/23/02



~~88~~ 885

Normal Depth Results

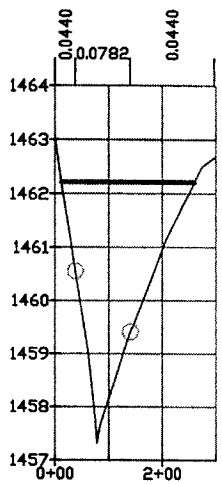
Cross-Section:	~~88~~ 885	
Elevation:	1460.38	ft MSL
Depth:	4.74	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.4016	
Flow Regime:	Subcritical	
Flow Area:	465.69	sq ft
Average Velocity:	4.96	ft/s
Maximum Velocity:	4.97	ft/s
Composite n:	0.0542	
Hydraulic Radius:	2.39	ft
Wetted Perimeter:	194.90	ft
Wetted Top Width:	194.60	ft
Critical Slope:	0.0633	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~88~~ 885

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/26/02



~~84~~
890

Normal Depth Results

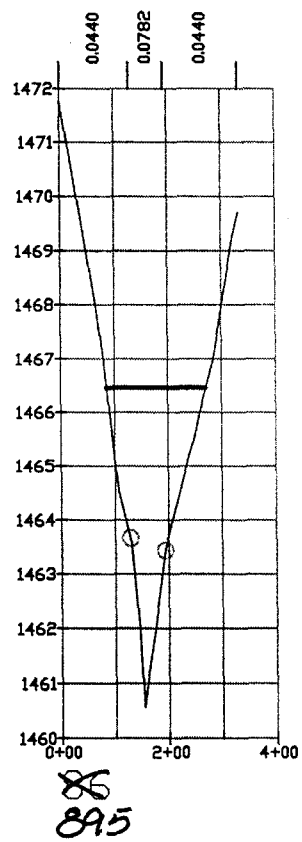
Cross-Section:	~~84~~ 890	
Elevation:	1462.22	ft MSL
Depth:	4.89	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3408	
Flow Regime:	Subcritical	
Flow Area:	540.31	sq ft
Average Velocity:	4.29	ft/s
Maximum Velocity:	4.43	ft/s
Composite n:	0.0593	
Hydraulic Radius:	2.17	ft
Wetted Perimeter:	248.59	ft
Wetted Top Width:	248.33	ft
Critical Slope:	0.0885	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~84~~890

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/26/02



Normal Depth Results

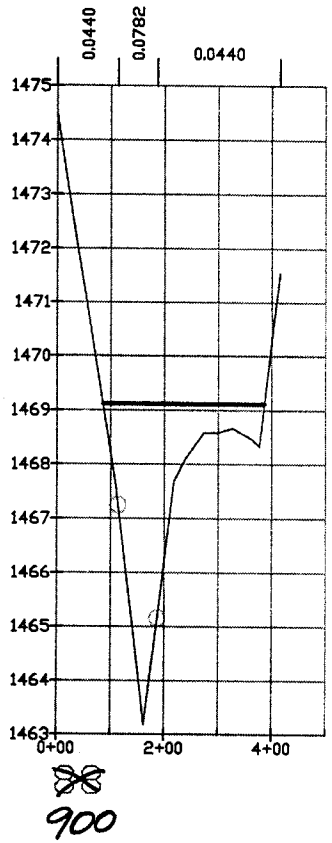
Cross-Section:	~~86~~ 895	
Elevation:	1466.47	ft MSL
Depth:	5.90	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3563	
Flow Regime:	Subcritical	
Flow Area:	470.68	sq ft
Average Velocity:	4.92	ft/s
Maximum Velocity:	5.11	ft/s
Composite n:	0.057	
Hydraulic Radius:	2.53	ft
Wetted Perimeter:	185.94	ft
Wetted Top Width:	185.46	ft
Critical Slope:	0.0805	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~86~~ 895

Entellus™

File: T2N-R8W-S02W.dwg, Date: 5/28/02



Normal Depth Results

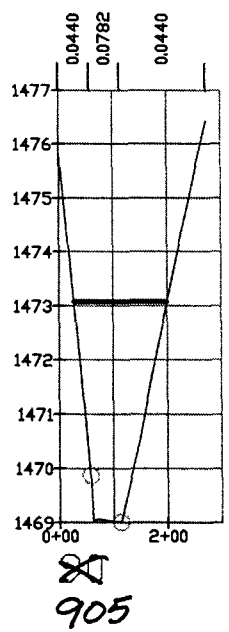
Cross-Section:	~~88~~ 900	
Elevation:	1469.12	ft MSL
Depth:	5.94	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3126	
Flow Regime:	Subcritical	
Flow Area:	534.50	sq ft
Average Velocity:	4.35	ft/s
Maximum Velocity:	5.04	ft/s
Composite n:	0.0533	
Hydraulic Radius:	1.78	ft
Wetted Perimeter:	300.95	ft
Wetted Top Width:	300.49	ft
Critical Slope:	0.1139	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~88~~ 900

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/26/02



Normal Depth Results

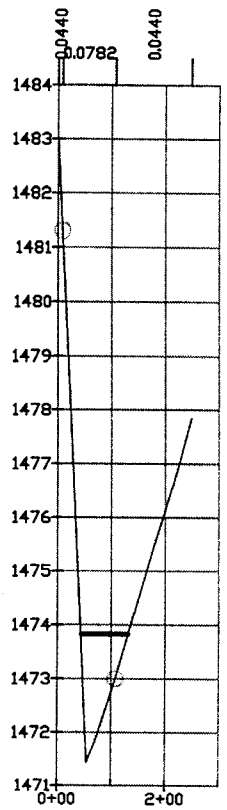
Cross-Section:	~~90~~ 905	
Elevation:	1473.08	ft MSL
Depth:	4.07	ft
Discharge:	2310.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.4459	
Flow Regime:	Subcritical	
Flow Area:	452.62	sq ft
Average Velocity:	5.11	ft/s
Maximum Velocity:	5.57	ft/s
Composite n:	0.0561	
Hydraulic Radius:	2.61	ft
Wetted Perimeter:	173.49	ft
Wetted Top Width:	173.14	ft
Critical Slope:	0.0517	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~90~~ 905

Entellus™

File: T2N-R8W-S02W.dwg, Date: 5/26/02



~~28~~ 910

Normal Depth Results

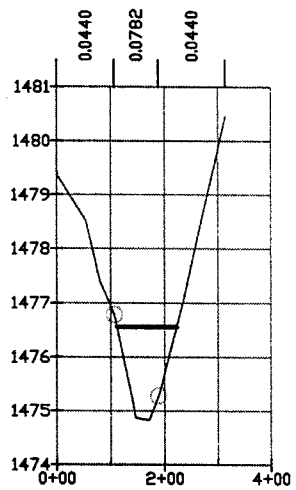
Cross-Section:	~~28~~ 910	
Elevation:	1473.83	ft MSL
Depth:	2.39	ft
Discharge:	280.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.289	
Flow Regime:	Subcritical	
Flow Area:	110.38	sq ft
Average Velocity:	2.53	ft/s
Maximum Velocity:	2.59	ft/s
Composite n:	0.0698	
Hydraulic Radius:	1.25	ft
Wetted Perimeter:	88.07	ft
Wetted Top Width:	87.78	ft
Critical Slope:	0.1251	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~S2~~910

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



~~84~~ 915

Normal Depth Results

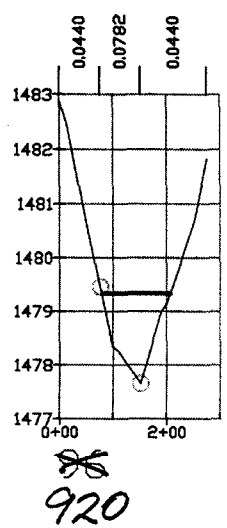
Cross-Section:	~~84~~ 915	
Elevation:	1476.56	ft MSL
Depth:	1.73	ft
Discharge:	280.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3113	
Flow Regime:	Subcritical	
Flow Area:	120.44	sq ft
Average Velocity:	2.31	ft/s
Maximum Velocity:	2.58	ft/s
Composite n:	0.0687	
Hydraulic Radius:	1.08	ft
Wetted Perimeter:	111.61	ft
Wetted Top Width:	111.53	ft
Critical Slope:	0.1071	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~84~~ 915

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/28/02



Normal Depth Results

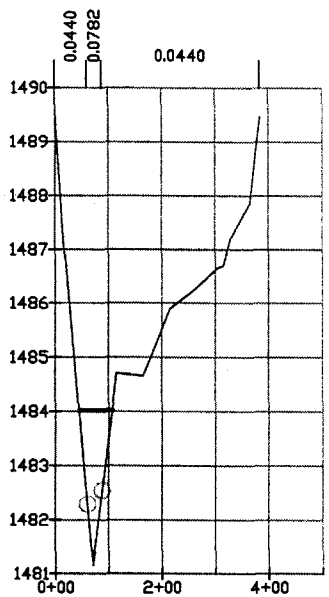
Cross-Section:	~~96~~ 920	
Elevation:	1479.34	ft MSL
Depth:	1.68	ft
Discharge:	280.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3148	
Flow Regime:	Subcritical	
Flow Area:	121.10	sq ft
Average Velocity:	2.32	ft/s
Maximum Velocity:	2.86	ft/s
Composite n:	0.0644	
Hydraulic Radius:	0.94	ft
Wetted Perimeter:	128.70	ft
Wetted Top Width:	128.65	ft
Critical Slope:	0.1096	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~96~~ 920

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/26/02



~~97~~
925

Normal Depth Results

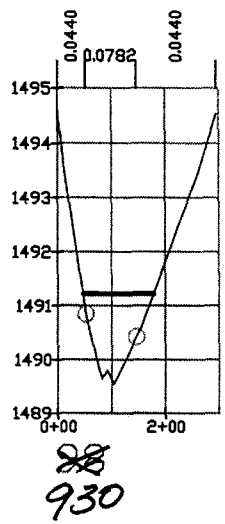
Cross-Section:	~~97~~ 925	
Elevation:	1484.02	ft MSL
Depth:	2.86	ft
Discharge:	280.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3311	
Flow Regime:	Subcritical	
Flow Area:	88.16	sq ft
Average Velocity:	3.15	ft/s
Maximum Velocity:	3.25	ft/s
Composite n:	0.0603	
Hydraulic Radius:	1.41	ft
Wetted Perimeter:	62.44	ft
Wetted Top Width:	62.16	ft
Critical Slope:	0.0951	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~97~~925

Entellus™

File: T2N-R8W-S02W.dwg; Date: 5/26/02



Normal Depth Results

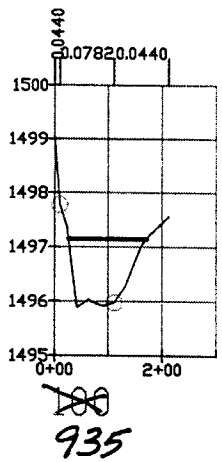
Cross-Section:	~~98~~ 930	
Elevation:	1491.22	ft MSL
Depth:	1.68	ft
Discharge:	280.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.2933	
Flow Regime:	Subcritical	
Flow Area:	129.77	sq ft
Average Velocity:	2.16	ft/s
Maximum Velocity:	2.20	ft/s
Composite n:	0.0694	
Hydraulic Radius:	0.99	ft
Wetted Perimeter:	131.51	ft
Wetted Top Width:	131.45	ft
Critical Slope:	0.1196	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~98~~ 930

Entellus™

File: T2N-R8W-S02W.dwg, Date: 5/23/02



Normal Depth Results

Cross-Section:	~~100~~ 935	
Elevation:	1497.15	ft MSL
Depth:	1.26	ft
Discharge:	280.00	cfs
Energy Gradient:	0.0102	ft/ft
Froude Number:	0.3418	
Flow Regime:	Subcritical	
Flow Area:	128.73	sq ft
Average Velocity:	2.15	ft/s
Maximum Velocity:	2.46	ft/s
Composite n:	0.0651	
Hydraulic Radius:	0.89	ft
Wetted Perimeter:	144.94	ft
Wetted Top Width:	144.88	ft
Critical Slope:	0.0907	ft/ft

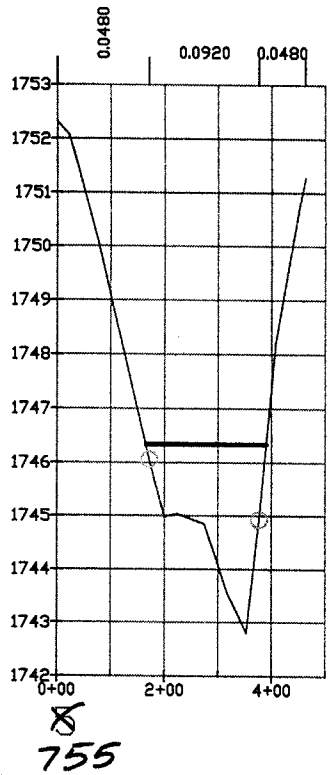
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T2N–R8W–S02W–~~100~~ 935

Entellus™

File: T2N-R8W-S02W.dwg Date: 5/28/02

T3N-R7W-S06



Normal Depth Results

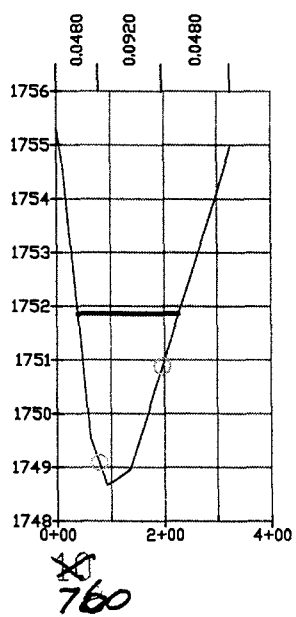
Cross-Section:	~~8~~ 755	
Elevation:	1746.34	ft MSL
Depth:	3.54	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.3278	
Flow Regime:	Subcritical	
Flow Area:	397.57	sq ft
Average Velocity:	3.51	ft/s
Maximum Velocity:	3.52	ft/s
Composite n:	0.0885	
Hydraulic Radius:	1.77	ft
Wetted Perimeter:	224.91	ft
Wetted Top Width:	224.68	ft
Critical Slope:	0.188	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~8~~ 755

Entellus™

File: T3N-R7W-S06.dwg, Date: 5/29/02



Normal Depth Results

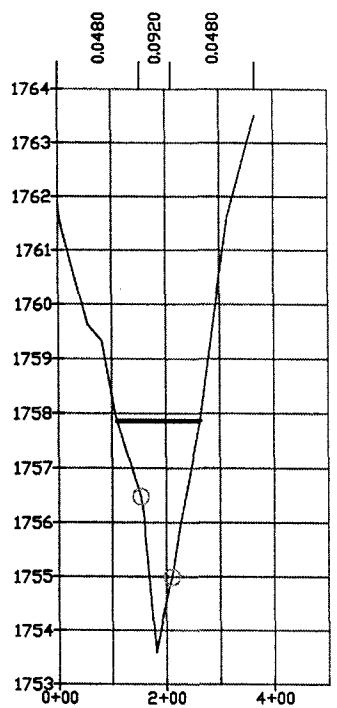
Cross-Section:	~~10~~ 760	
Elevation:	1751.86	ft MSL
Depth:	3.19	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.3635	
Flow Regime:	Subcritical	
Flow Area:	377.19	sq ft
Average Velocity:	3.66	ft/s
Maximum Velocity:	3.66	ft/s
Composite n:	0.0918	
Hydraulic Radius:	2	ft
Wetted Perimeter:	188.86	ft
Wetted Top Width:	188.68	ft
Critical Slope:	0.1552	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~10~~ 760

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~12~~ 765

Normal Depth Results

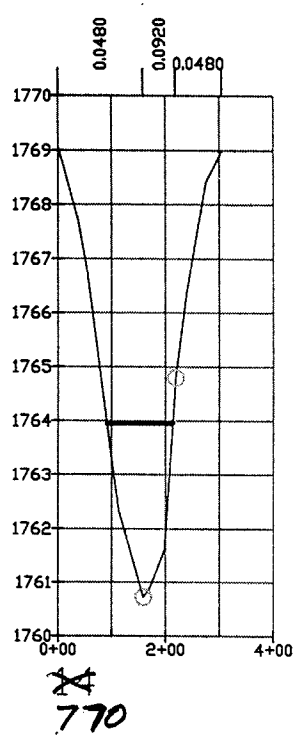
Cross-Section:	~~12~~ 765	
Elevation:	1757.86	ft MSL
Depth:	4.26	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4179	
Flow Regime:	Subcritical	
Flow Area:	284.00	sq ft
Average Velocity:	4.91	ft/s
Maximum Velocity:	5.46	ft/s
Composite n:	0.0662	
Hydraulic Radius:	1.84	ft
Wetted Perimeter:	154.05	ft
Wetted Top Width:	153.77	ft
Critical Slope:	0.12	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~12~~ 765

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



Normal Depth Results

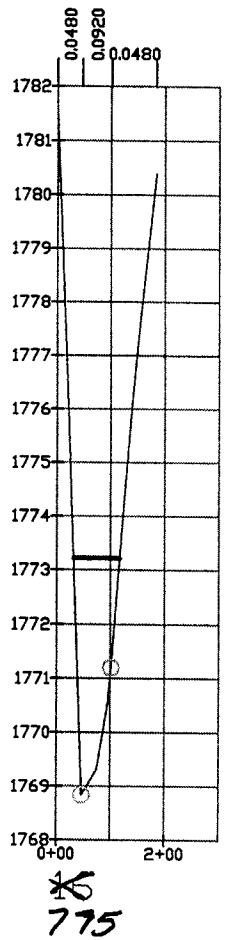
Cross-Section:	~~14~~ 770	
Elevation:	1763.95	ft MSL
Depth:	3.22	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.5315	
Flow Regime:	Subcritical	
Flow Area:	256.99	sq ft
Average Velocity:	5.42	ft/s
Maximum Velocity:	6.77	ft/s
Composite n:	0.0694	
Hydraulic Radius:	2.1	ft
Wetted Perimeter:	122.35	ft
Wetted Top Width:	122.08	ft
Critical Slope:	0.0836	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~14~~ 770

Entellus™

File: T3N-R7W-S06.dwg, Date: 5/29/02



Normal Depth Results

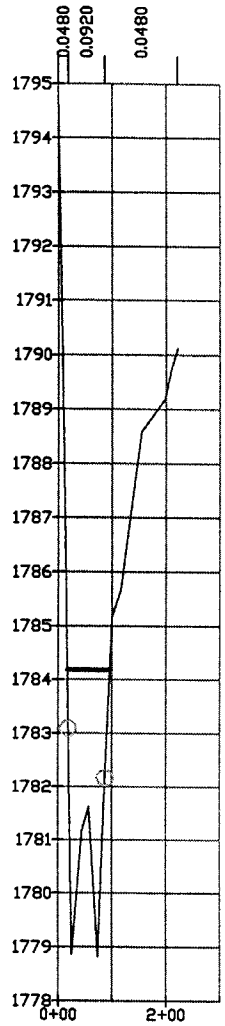
Cross-Section:	~~16~~ 775	
Elevation:	1773.22	ft MSL
Depth:	4.38	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.472	
Flow Regime:	Subcritical	
Flow Area:	247.93	sq ft
Average Velocity:	5.62	ft/s
Maximum Velocity:	7.26	ft/s
Composite n:	0.0772	
Hydraulic Radius:	2.86	ft
Wetted Perimeter:	86.57	ft
Wetted Top Width:	85.76	ft
Critical Slope:	0.0932	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~16~~ 775

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~18~~ 780

Normal Depth Results

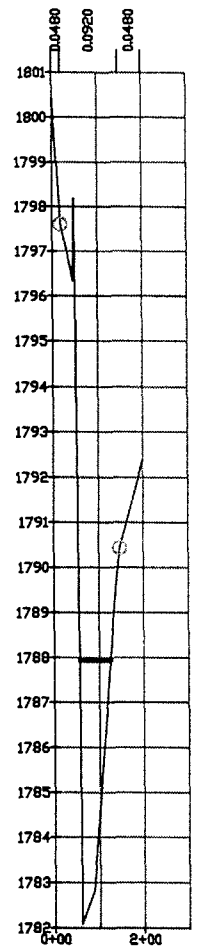
Cross-Section:	~~18~~ 780	
Elevation:	1784.19	ft MSL
Depth:	5.37	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.405	
Flow Regime:	Subcritical	
Flow Area:	261.19	sq ft
Average Velocity:	5.33	ft/s
Maximum Velocity:	5.37	ft/s
Composite n:	0.0868	
Hydraulic Radius:	3.21	ft
Wetted Perimeter:	81.38	ft
Wetted Top Width:	78.83	ft
Critical Slope:	0.1238	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~18~~ 780

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~20~~ 785

Normal Depth Results

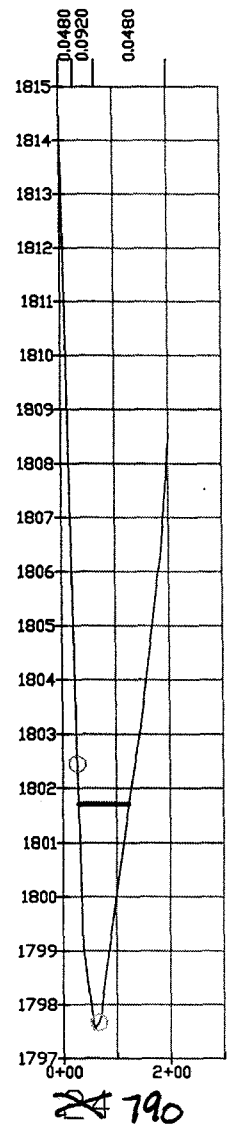
Cross-Section:	~~20~~ 785	
Elevation:	1787.94	ft MSL
Depth:	5.84	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.3909	
Flow Regime:	Subcritical	
Flow Area:	259.46	sq ft
Average Velocity:	5.35	ft/s
Maximum Velocity:	5.35	ft/s
Composite n:	0.092	
Hydraulic Radius:	3.54	ft
Wetted Perimeter:	73.22	ft
Wetted Top Width:	69.61	ft
Critical Slope:	0.1325	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~20~~ 785

Entellus™

File: T3N-R7W-S06.dwg Date: 5/29/02



Normal Depth Results

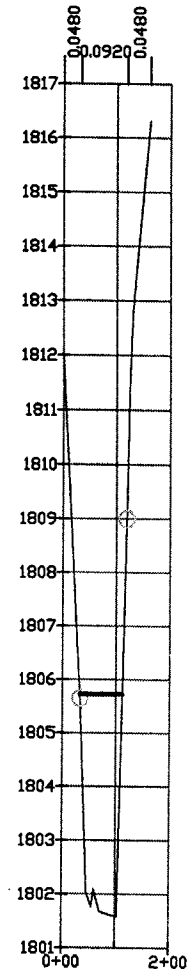
Cross-Section:	~~24~~ 790	
Elevation:	1801.71	ft MSL
Depth:	4.17	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.5207	
Flow Regime:	Subcritical	
Flow Area:	230.35	sq ft
Average Velocity:	6.01	ft/s
Maximum Velocity:	7.15	ft/s
Composite n:	0.067	
Hydraulic Radius:	2.45	ft
Wetted Perimeter:	94.02	ft
Wetted Top Width:	93.39	ft
Critical Slope:	0.0824	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~24~~ 790

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~25~~ 795

Normal Depth Results

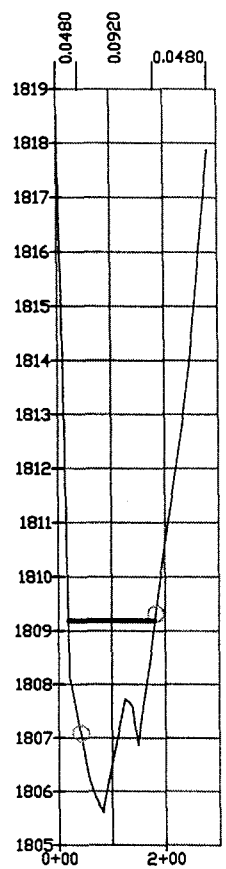
Cross-Section:	~~25~~ 795	
Elevation:	1805.73	ft MSL
Depth:	4.15	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4467	
Flow Regime:	Subcritical	
Flow Area:	269.36	sq ft
Average Velocity:	5.15	ft/s
Maximum Velocity:	5.15	ft/s
Composite n:	0.0917	
Hydraulic Radius:	3.33	ft
Wetted Perimeter:	80.86	ft
Wetted Top Width:	79.45	ft
Critical Slope:	0.1018	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~25~~795

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~26~~ 80.0

Normal Depth Results

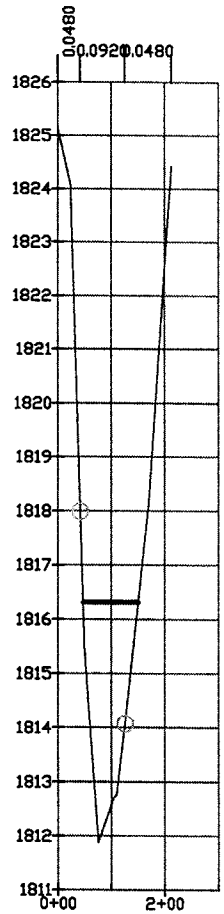
Cross-Section:	~~26~~ 80.0	
Elevation:	1809.19	ft MSL
Depth:	3.57	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.3807	
Flow Regime:	Subcritical	
Flow Area:	340.76	sq ft
Average Velocity:	4.07	ft/s
Maximum Velocity:	5.67	ft/s
Composite n:	0.0866	
Hydraulic Radius:	2.1	ft
Wetted Perimeter:	162.41	ft
Wetted Top Width:	161.94	ft
Critical Slope:	0.1443	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~26~~ 80.0

Entellus™

File: T3N-R7W-S06.dwg Date: 5/29/02



~~30~~ 805

Normal Depth Results

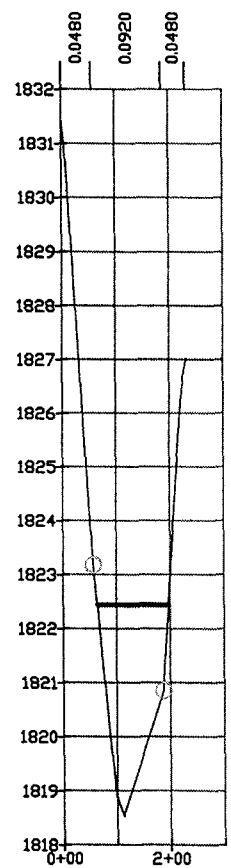
Cross-Section:	~~30~~ 805	
Elevation:	1816.32	ft MSL
Depth:	4.43	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4154	
Flow Regime:	Subcritical	
Flow Area:	280.40	sq ft
Average Velocity:	4.95	ft/s
Maximum Velocity:	4.97	ft/s
Composite n:	0.0827	
Hydraulic Radius:	2.69	ft
Wetted Perimeter:	104.43	ft
Wetted Top Width:	103.88	ft
Critical Slope:	0.1176	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~30~~ 805

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~82~~ 810

Normal Depth Results

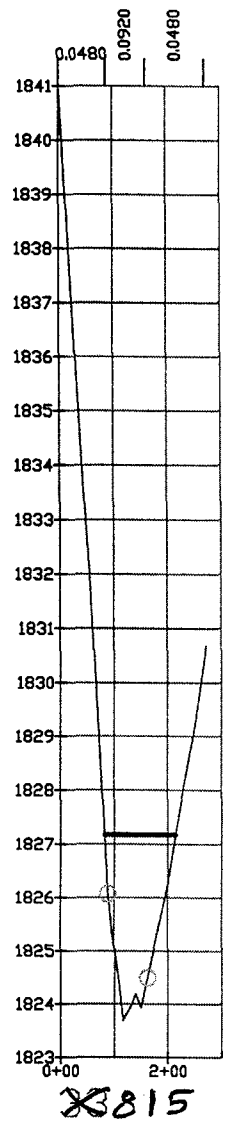
Cross-Section:	~~82~~ 810	
Elevation:	1822.44	ft MSL
Depth:	3.91	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.3822	
Flow Regime:	Subcritical	
Flow Area:	324.33	sq ft
Average Velocity:	4.30	ft/s
Maximum Velocity:	4.31	ft/s
Composite n:	0.0891	
Hydraulic Radius:	2.43	ft
Wetted Perimeter:	133.40	ft
Wetted Top Width:	133.06	ft
Critical Slope:	0.1375	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~82~~ 810

Entellus™

File: T3N-R7W-S06.dwg, Date: 5/29/02



Normal Depth Results

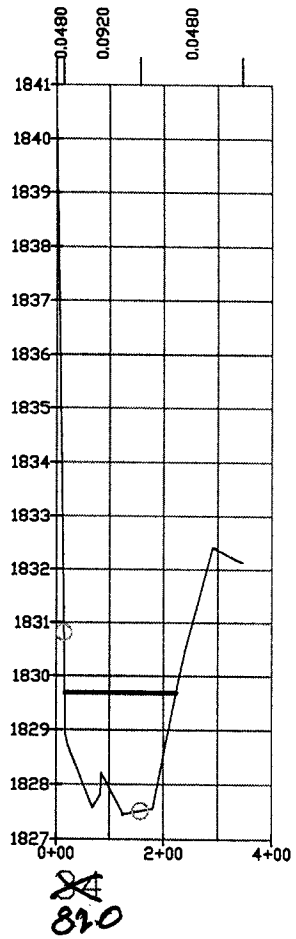
Cross-Section:	~~33~~ 815	
Elevation:	1827.18	ft MSL
Depth:	3.48	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4567	
Flow Regime:	Subcritical	
Flow Area:	287.66	sq ft
Average Velocity:	4.84	ft/s
Maximum Velocity:	5.62	ft/s
Composite n:	0.0742	
Hydraulic Radius:	2.17	ft
Wetted Perimeter:	132.83	ft
Wetted Top Width:	132.53	ft
Critical Slope:	0.0991	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~33~~ 815

Entellus™

File: T3N-R7W-S06.dwg, Date: 5/29/02



Normal Depth Results

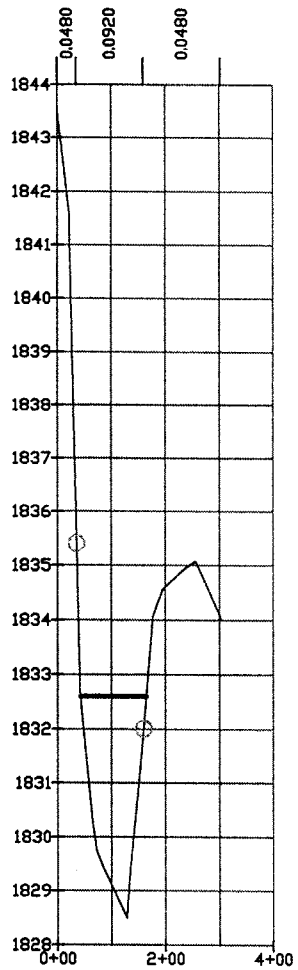
Cross-Section:	~~34~~ 820	
Elevation:	1829.69	ft MSL
Depth:	2.25	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4696	
Flow Regime:	Subcritical	
Flow Area:	347.93	sq ft
Average Velocity:	4.01	ft/s
Maximum Velocity:	5.63	ft/s
Composite n:	0.0793	
Hydraulic Radius:	1.68	ft
Wetted Perimeter:	207.17	ft
Wetted Top Width:	206.84	ft
Critical Slope:	0.1028	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~34~~ 820

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~35~~ 825

Normal Depth Results

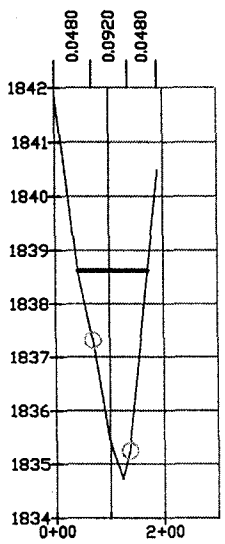
Cross-Section:	~~35~~ 825	
Elevation:	1832.60	ft MSL
Depth:	4.10	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.3844	
Flow Regime:	Subcritical	
Flow Area:	314.82	sq ft
Average Velocity:	4.41	ft/s
Maximum Velocity:	4.42	ft/s
Composite n:	0.0904	
Hydraulic Radius:	2.57	ft
Wetted Perimeter:	122.63	ft
Wetted Top Width:	122.24	ft
Critical Slope:	0.1382	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~35~~ 825

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~40~~ 830

Normal Depth Results

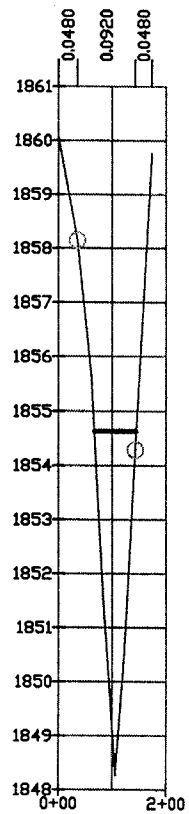
Cross-Section:	~~40~~ 830	
Elevation:	1838.63	ft MSL
Depth:	3.91	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4449	
Flow Regime:	Subcritical	
Flow Area:	278.66	sq ft
Average Velocity:	4.98	ft/s
Maximum Velocity:	6.24	ft/s
Composite n:	0.0727	
Hydraulic Radius:	2.15	ft
Wetted Perimeter:	129.83	ft
Wetted Top Width:	129.55	ft
Critical Slope:	0.1082	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~40~~ 830

Entellus™

File: T3N-R7W-S06.dwg, Date: 5/29/02



~~50~~ 835

Normal Depth Results

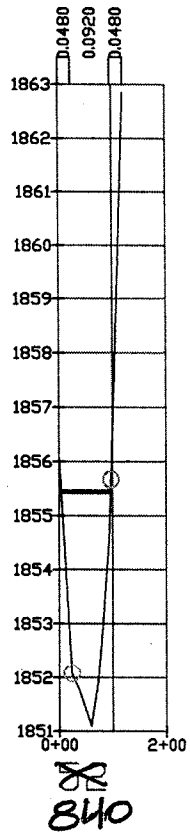
Cross-Section:	~~50~~ 835	
Elevation:	1854.64	ft MSL
Depth:	6.37	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.3646	
Flow Regime:	Subcritical	
Flow Area:	266.31	sq ft
Average Velocity:	5.22	ft/s
Maximum Velocity:	5.23	ft/s
Composite n:	0.091	
Hydraulic Radius:	3.34	ft
Wetted Perimeter:	79.66	ft
Wetted Top Width:	78.62	ft
Critical Slope:	0.153	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~50~~ 835

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



Normal Depth Results

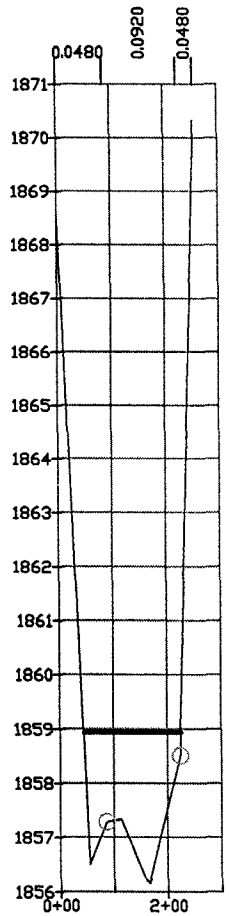
Cross-Section:	~~52~~ 840	
Elevation:	1855.44	ft MSL
Depth:	4.34	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.438	
Flow Regime:	Subcritical	
Flow Area:	268.52	sq ft
Average Velocity:	5.18	ft/s
Maximum Velocity:	6.18	ft/s
Composite n:	0.0835	
Hydraulic Radius:	2.9	ft
Wetted Perimeter:	92.69	ft
Wetted Top Width:	92.07	ft
Critical Slope:	0.1062	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~52~~ 840

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~54~~ 845

Normal Depth Results

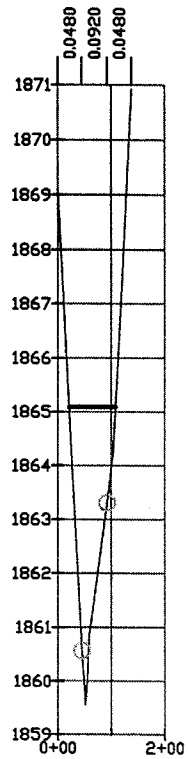
Cross-Section:	~~54~~ 845	
Elevation:	1858.94	ft MSL
Depth:	2.78	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4439	
Flow Regime:	Subcritical	
Flow Area:	331.01	sq ft
Average Velocity:	4.18	ft/s
Maximum Velocity:	6.57	ft/s
Composite n:	0.0825	
Hydraulic Radius:	1.83	ft
Wetted Perimeter:	181.37	ft
Wetted Top Width:	180.95	ft
Critical Slope:	0.1231	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~54~~ 845

Entellus™

File: T3N-k7W-S06.dwg Date: 5/29/02



~~56~~ 850

Normal Depth Results

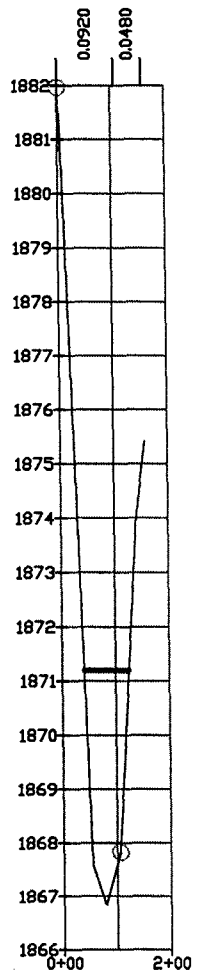
Cross-Section:	~~56~~ 850	
Elevation:	1865.09	ft MSL
Depth:	5.53	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4345	
Flow Regime:	Subcritical	
Flow Area:	239.79	sq ft
Average Velocity:	5.79	ft/s
Maximum Velocity:	7.51	ft/s
Composite n:	0.0736	
Hydraulic Radius:	2.74	ft
Wetted Perimeter:	87.48	ft
Wetted Top Width:	86.63	ft
Critical Slope:	0.1133	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~56~~ 850

Entellus™

File: T3N-R7W-S06.dwg Date: 5/29/02



~~60~~ 855

Normal Depth Results

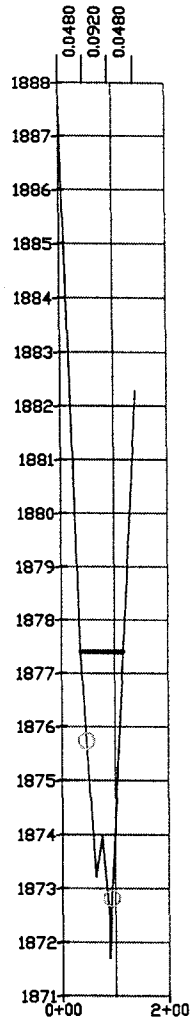
Cross-Section:	~~60~~ 855	
Elevation:	1871.20	ft MSL
Depth:	4.35	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4561	
Flow Regime:	Subcritical	
Flow Area:	257.70	sq ft
Average Velocity:	5.38	ft/s
Maximum Velocity:	6.18	ft/s
Composite n:	0.0831	
Hydraulic Radius:	3.05	ft
Wetted Perimeter:	84.43	ft
Wetted Top Width:	83.62	ft
Critical Slope:	0.0983	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~60~~855

Entellus™

File: T3N-R7W-S06.dwg; Date: 7/12/02



~~82~~ 860

Normal Depth Results

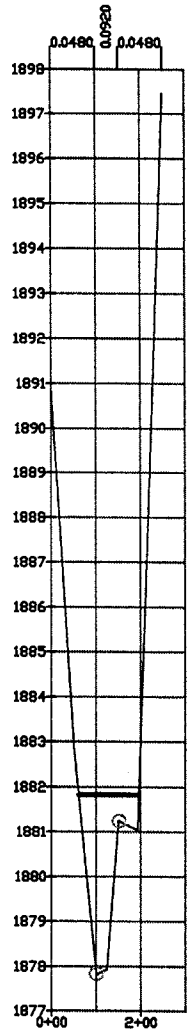
Cross-Section:	~~82~~ 860	
Elevation:	1877.40	ft MSL
Depth:	5.70	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4352	
Flow Regime:	Subcritical	
Flow Area:	235.81	sq ft
Average Velocity:	5.89	ft/s
Maximum Velocity:	7.57	ft/s
Composite n:	0.0751	
Hydraulic Radius:	2.89	ft
Wetted Perimeter:	81.66	ft
Wetted Top Width:	80.38	ft
Critical Slope:	0.1134	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~82~~ 860

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~85~~ 865

Normal Depth Results

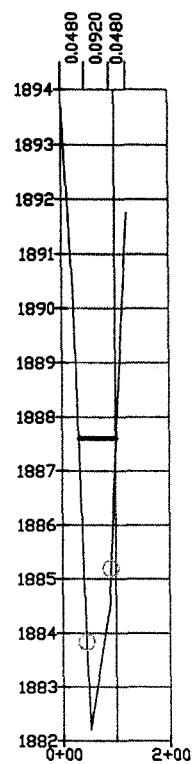
Cross-Section:	~~85~~ 865	
Elevation:	1881.82	ft MSL
Depth:	4.01	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4648	
Flow Regime:	Subcritical	
Flow Area:	263.11	sq ft
Average Velocity:	5.27	ft/s
Maximum Velocity:	6.96	ft/s
Composite n:	0.0665	
Hydraulic Radius:	1.94	ft
Wetted Perimeter:	135.89	ft
Wetted Top Width:	135.36	ft
Critical Slope:	0.1066	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~85~~ 865

Entellus™

File: T3N-R7W-S06.dwg Date: 8/19/02



~~86~~ 870

Normal Depth Results

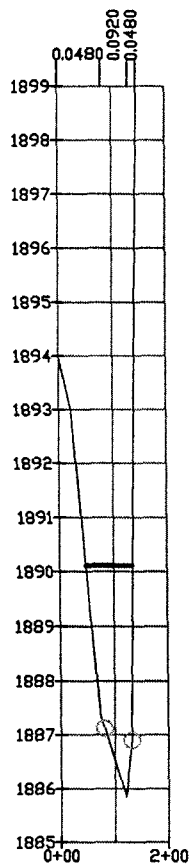
Cross-Section:	~~86~~ 870	
Elevation:	1887.61	ft MSL
Depth:	5.40	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4535	
Flow Regime:	Subcritical	
Flow Area:	232.45	sq ft
Average Velocity:	5.99	ft/s
Maximum Velocity:	6.57	ft/s
Composite n:	0.0785	
Hydraulic Radius:	3.29	ft
Wetted Perimeter:	70.69	ft
Wetted Top Width:	69.50	ft
Critical Slope:	0.0987	ft/ft

File: T3N-R7W-S06.dwg Date: 5/29/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~86~~ 870

Entellus™



~~58~~ 875

Normal Depth Results

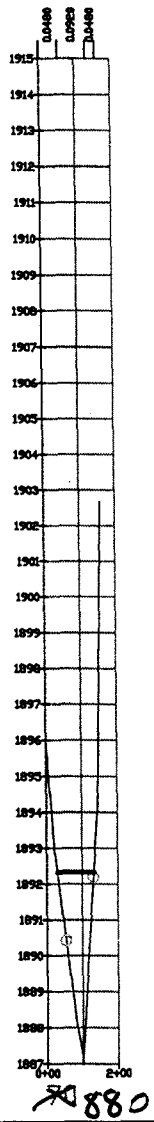
Cross-Section:	~~58~~ 875	
Elevation:	1890.12	ft MSL
Depth:	4.26	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.48	
Flow Regime:	Subcritical	
Flow Area:	247.39	sq ft
Average Velocity:	5.64	ft/s
Maximum Velocity:	6.29	ft/s
Composite n:	0.0748	
Hydraulic Radius:	2.79	ft
Wetted Perimeter:	88.66	ft
Wetted Top Width:	87.31	ft
Critical Slope:	0.0879	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~58~~ 875

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



Normal Depth Results

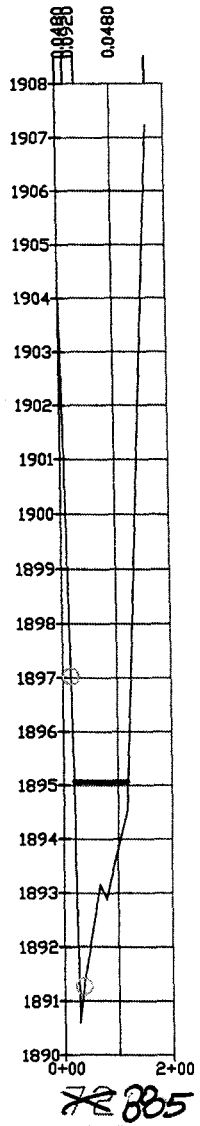
Cross-Section:	~~70~~ 880	
Elevation:	1892.34	ft MSL
Depth:	5.17	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.386	
Flow Regime:	Subcritical	
Flow Area:	279.18	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	5.06	ft/s
Composite n:	0.0826	
Hydraulic Radius:	2.7	ft
Wetted Perimeter:	103.37	ft
Wetted Top Width:	102.76	ft
Critical Slope:	0.1362	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~70~~880

Entellus™

File: T3N-R7W-S06.dwg Date: 5/29/02



Normal Depth Results

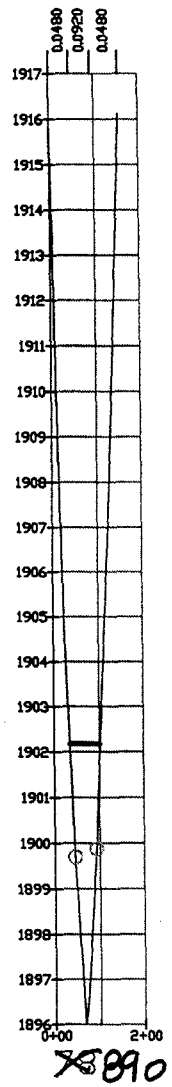
Cross-Section:	~~72~~ 885	
Elevation:	1895.08	ft MSL
Depth:	4.48	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.5381	
Flow Regime:	Subcritical	
Flow Area:	215.27	sq ft
Average Velocity:	6.44	ft/s
Maximum Velocity:	6.98	ft/s
Composite n:	0.0566	
Hydraulic Radius:	2.14	ft
Wetted Perimeter:	100.57	ft
Wetted Top Width:	99.35	ft
Critical Slope:	0.0755	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~72~~ 885

Entellus™

File: T3N-R7W-S06.dwg, Date: 5/29/02



Normal Depth Results

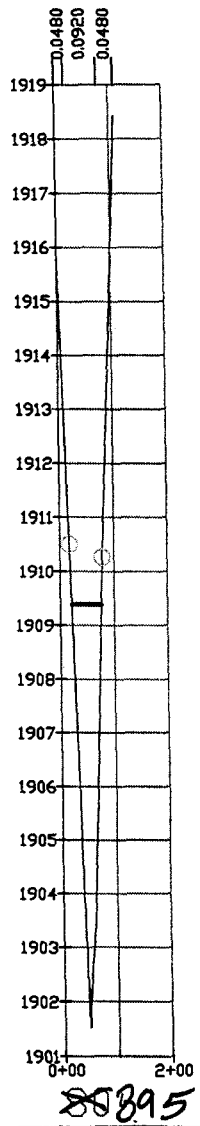
Cross-Section:	~~78~~ 890	
Elevation:	1902.18	ft MSL
Depth:	6.17	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4238	
Flow Regime:	Subcritical	
Flow Area:	232.87	sq ft
Average Velocity:	5.98	ft/s
Maximum Velocity:	6.11	ft/s
Composite n:	0.08	
Hydraulic Radius:	3.37	ft
Wetted Perimeter:	69.19	ft
Wetted Top Width:	68.02	ft
Critical Slope:	0.1134	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~78~~ 890

Entellus™

File: T3N-R7W-S06.dwg Date: 5/29/02



Normal Depth Results

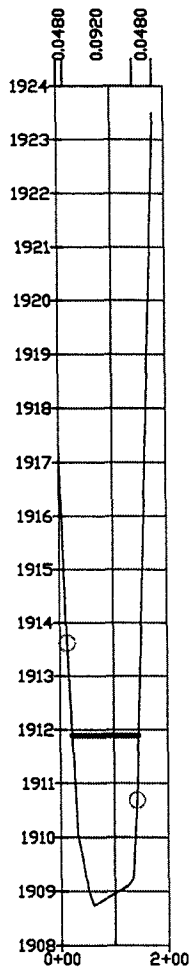
Cross-Section:	~~80~~ 895	
Elevation:	1909.39	ft MSL
Depth:	7.86	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.3717	
Flow Regime:	Subcritical	
Flow Area:	235.10	sq ft
Average Velocity:	5.92	ft/s
Maximum Velocity:	5.92	ft/s
Composite n:	0.092	
Hydraulic Radius:	4.12	ft
Wetted Perimeter:	57.00	ft
Wetted Top Width:	54.62	ft
Critical Slope:	0.1457	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~80~~ 895

Entellus™

File: T3N-R7W-S06.dwg Date: 5/29/02



~~84~~ 900

Normal Depth Results

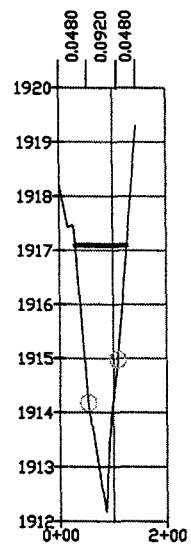
Cross-Section:	~~84~~ 900	
Elevation:	1911.89	ft MSL
Depth:	3.15	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4338	
Flow Regime:	Subcritical	
Flow Area:	318.16	sq ft
Average Velocity:	4.36	ft/s
Maximum Velocity:	4.37	ft/s
Composite n:	0.0908	
Hydraulic Radius:	2.55	ft
Wetted Perimeter:	124.55	ft
Wetted Top Width:	123.99	ft
Critical Slope:	0.108	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~84~~ 900

Entellus™

File: T3N-R7W-S06.dwg; Date: 7/12/02



~~86~~ 905

Normal Depth Results

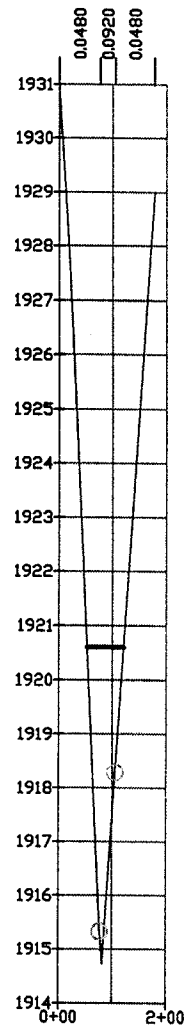
Cross-Section:	~~86~~ 905	
Elevation:	1917.10	ft MSL
Depth:	4.92	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4311	
Flow Regime:	Subcritical	
Flow Area:	256.20	sq ft
Average Velocity:	5.42	ft/s
Maximum Velocity:	5.65	ft/s
Composite n:	0.0748	
Hydraulic Radius:	2.64	ft
Wetted Perimeter:	96.95	ft
Wetted Top Width:	96.37	ft
Critical Slope:	0.1094	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~86~~ 905

Entellus™

File: T3N-R7W-S06.dwg; Date: 5/29/02



~~88~~ 910

Normal Depth Results

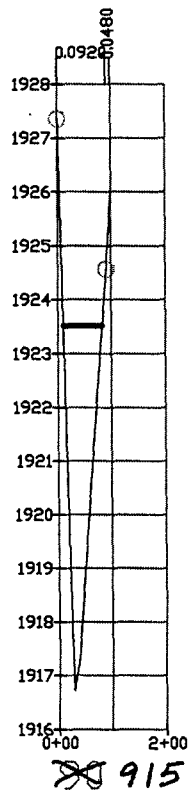
Cross-Section:	~~86~~ 910	
Elevation:	1920.61	ft MSL
Depth:	5.88	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.4872	
Flow Regime:	Subcritical	
Flow Area:	207.42	sq ft
Average Velocity:	6.68	ft/s
Maximum Velocity:	8.30	ft/s
Composite n:	0.0679	
Hydraulic Radius:	2.98	ft
Wetted Perimeter:	69.61	ft
Wetted Top Width:	68.57	ft
Critical Slope:	0.0918	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~86~~ 910

Entellus™

File: T3N-R7W-S06.dwg, Date: 5/29/02



Normal Depth Results

Cross-Section:	~~90~~ 915	
Elevation:	1923.52	ft MSL
Depth:	6.79	ft
Discharge:	1390.00	cfs
Energy Gradient:	0.0202	ft/ft
Froude Number:	0.3603	
Flow Regime:	Subcritical	
Flow Area:	261.03	sq ft
Average Velocity:	5.33	ft/s
Maximum Velocity:	5.33	ft/s
Composite n:	0.092	
Hydraulic Radius:	3.53	ft
Wetted Perimeter:	73.99	ft
Wetted Top Width:	72.31	ft
Critical Slope:	0.155	ft/ft

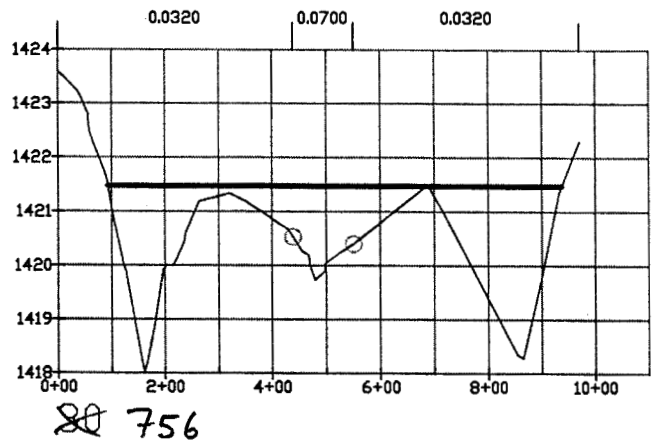
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S06–~~90~~915

Entellus™

File: T3N-R7W-S06.dwg Date: 7/12/02

T3N-R7W-S31E



Normal Depth Results

Cross-Section:	~~30~~ 756	
Elevation:	1421.47	ft MSL
Depth:	3.46	ft
Discharge:	4860.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.4743	
Flow Regime:	Subcritical	
Flow Area:	970.59	sq ft
Average Velocity:	4.98	ft/s
Maximum Velocity:	5.70	ft/s
Composite n:	0.038	
Hydraulic Radius:	1.16	ft
Wetted Perimeter:	839.81	ft
Wetted Top Width:	839.51	ft
Critical Slope:	0.0599	ft/ft

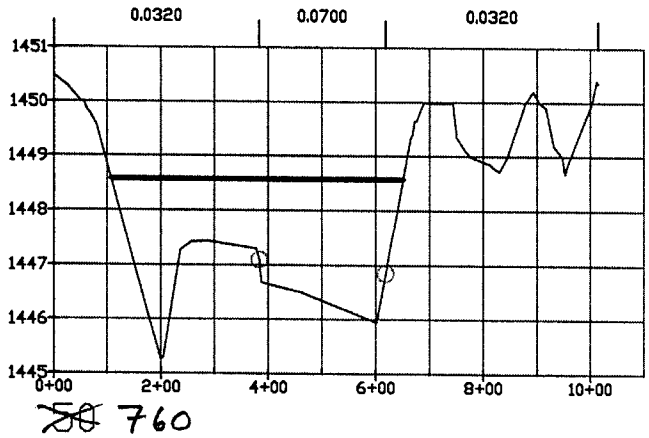
NOT USED IN DELINEATION.

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31E–~~30~~ 756

Entellus™

File: T3N-R7W-S31E-New-Mapping.dwg Date: 9/03/02



Normal Depth Results

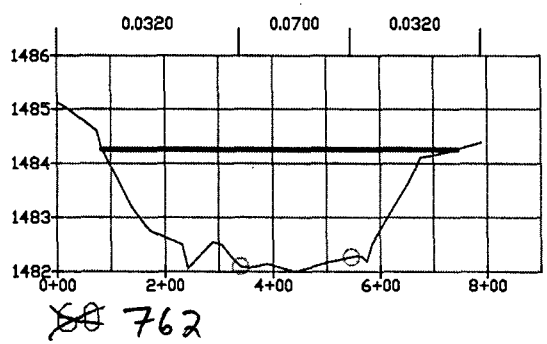
Cross-Section:	~~50~~ 760	
Elevation:	1448.58	ft MSL
Depth:	3.31	ft
Discharge:	4860.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.4859	
Flow Regime:	Subcritical	
Flow Area:	969.28	sq ft
Average Velocity:	5.01	ft/s
Maximum Velocity:	6.51	ft/s
Composite n:	0.0501	
Hydraulic Radius:	1.78	ft
Wetted Perimeter:	544.29	ft
Wetted Top Width:	544.07	ft
Critical Slope:	0.0559	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S31E-~~50~~ 760

Entellus™

File: T3N-k7W-S31E-New-Mapping.dwg; Date: 9/03/02



Normal Depth Results

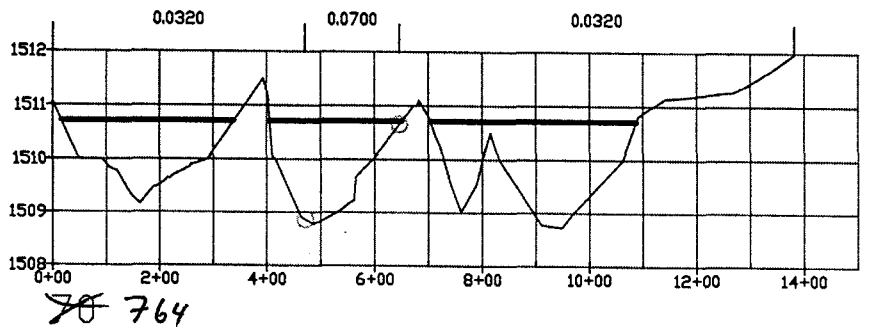
Cross-Section:	~~80~~ 762	
Elevation:	1484.26	ft MSL
Depth:	2.26	ft
Discharge:	4860.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.5735	
Flow Regime:	Subcritical	
Flow Area:	993.16	sq ft
Average Velocity:	4.88	ft/s
Maximum Velocity:	6.39	ft/s
Composite n:	0.0455	
Hydraulic Radius:	1.5	ft
Wetted Perimeter:	660.90	ft
Wetted Top Width:	660.85	ft
Critical Slope:	0.0395	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S31E-~~80~~ 762

Entellus™

File: T3N-K7W-S31E-New-Mapping.dwg; Date: 9/03/02



Normal Depth Results

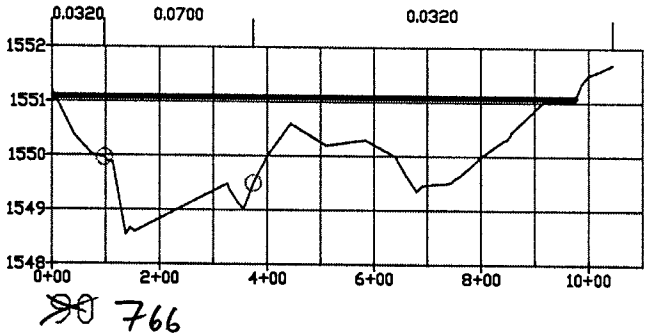
Cross-Section:	~~70~~ 764	
Elevation:	1510.72	ft MSL
Depth:	1.99	ft
Discharge:	4860.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.5949	
Flow Regime:	Subcritical	
Flow Area:	1020.29	sq ft
Average Velocity:	4.73	ft/s
Maximum Velocity:	5.67	ft/s
Composite n:	0.0402	
Hydraulic Radius:	1.07	ft
Wetted Perimeter:	953.93	ft
Wetted Top Width:	953.74	ft
Critical Slope:	0.0427	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S31E-~~70~~ 764

Entellus™

File: T3N-R7W-S31E-New-Mapping.dwg Date: 9/03/02



Normal Depth Results

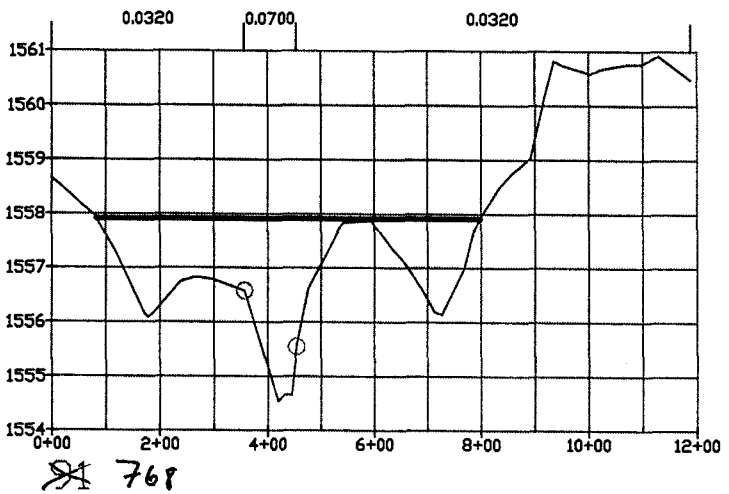
Cross-Section:	~~90~~ 766	
Elevation:	1551.09	ft MSL
Depth:	2.54	ft
Discharge:	4860.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.466	
Flow Regime:	Subcritical	
Flow Area:	1153.85	sq ft
Average Velocity:	4.20	ft/s
Maximum Velocity:	4.75	ft/s
Composite n:	0.0444	
Hydraulic Radius:	1.19	ft
Wetted Perimeter:	970.15	ft
Wetted Top Width:	970.07	ft
Critical Slope:	0.0577	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S31E-~~90~~ 766

Entellus™

File: T3N-R7W-S31E-New-Mapping.dwg Date: 9/03/02



Normal Depth Results

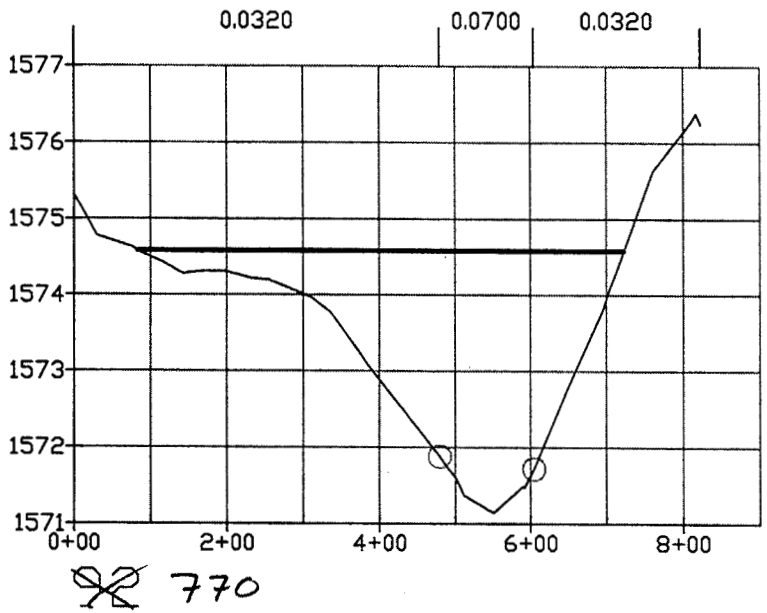
Cross-Section:	~~91~~ 768	
Elevation:	1557.91	ft MSL
Depth:	3.36	ft
Discharge:	4130.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.4664	
Flow Regime:	Subcritical	
Flow Area:	850.95	sq ft
Average Velocity:	4.87	ft/s
Maximum Velocity:	5.61	ft/s
Composite n:	0.0382	
Hydraulic Radius:	1.19	ft
Wetted Perimeter:	716.50	ft
Wetted Top Width:	716.33	ft
Critical Slope:	0.0565	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31E–~~91~~ 768

Entellus™

File: T3N-R7W-S31E-Bottom.dwg; Date: 9/03/02



Normal Depth Results

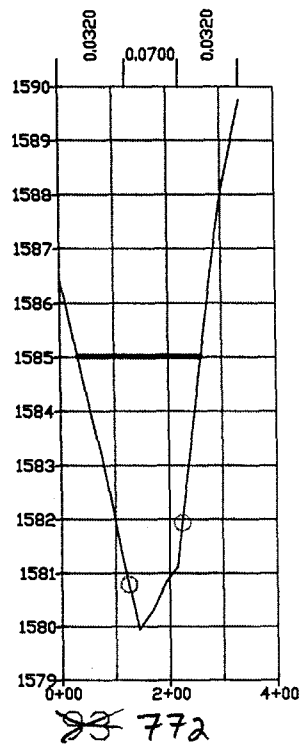
Cross-Section:	~~92~~ 770	
Elevation:	1574.58	ft MSL
Depth:	3.43	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.4952	
Flow Regime:	Subcritical	
Flow Area:	912.96	sq ft
Average Velocity:	5.18	ft/s
Maximum Velocity:	6.59	ft/s
Composite n:	0.0407	
Hydraulic Radius:	1.43	ft
Wetted Perimeter:	639.68	ft
Wetted Top Width:	639.62	ft
Critical Slope:	0.0513	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31E–~~92~~ 770

Entellus™

File: T3N-R7W-S31E-Pottom.dwg Date: 9/03/02



Normal Depth Results

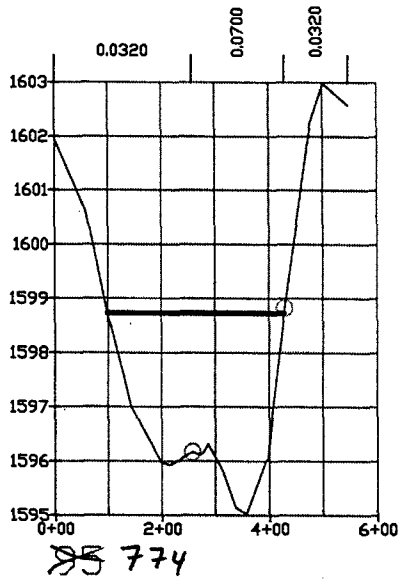
Cross-Section:	~~93~~ 772	
Elevation:	1585.02	ft MSL
Depth:	5.07	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.5404	
Flow Regime:	Subcritical	
Flow Area:	687.96	sq ft
Average Velocity:	6.88	ft/s
Maximum Velocity:	8.29	ft/s
Composite n:	0.0502	
Hydraulic Radius:	3	ft
Wetted Perimeter:	229.09	ft
Wetted Top Width:	228.80	ft
Critical Slope:	0.0428	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31E–~~93~~ 772

Entellus™

File: T3N-R7W-S31E-Bottom.dwg; Date: 9/03/02



Normal Depth Results

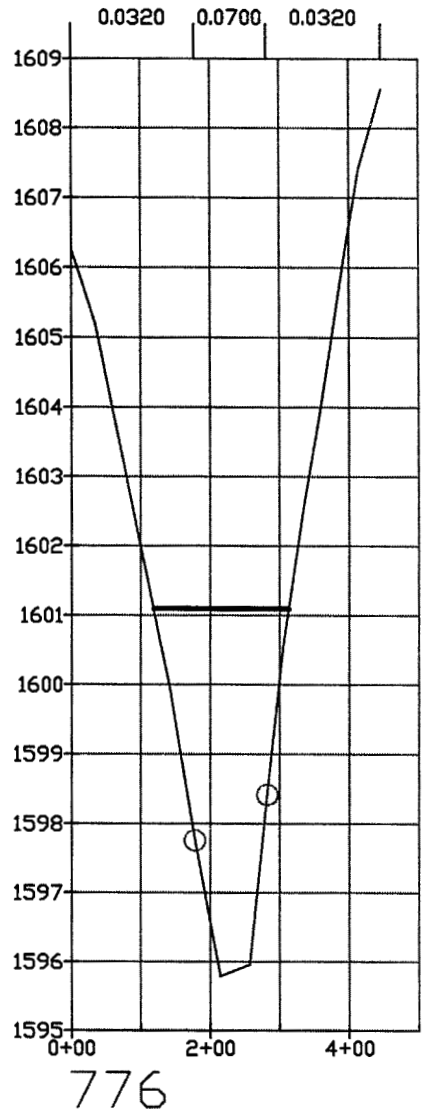
Cross-Section:	~~90~~ 774	
Elevation:	1598.74	ft MSL
Depth:	3.72	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.5519	
Flow Regime:	Subcritical	
Flow Area:	787.11	sq ft
Average Velocity:	6.02	ft/s
Maximum Velocity:	8.17	ft/s
Composite n:	0.0535	
Hydraulic Radius:	2.39	ft
Wetted Perimeter:	329.74	ft
Wetted Top Width:	329.55	ft
Critical Slope:	0.0483	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31E–~~95~~ 774

Entellus™

File: T3N-R7W-S31E-Bottom.dwg; Date: 9/03/02



Normal Depth Results

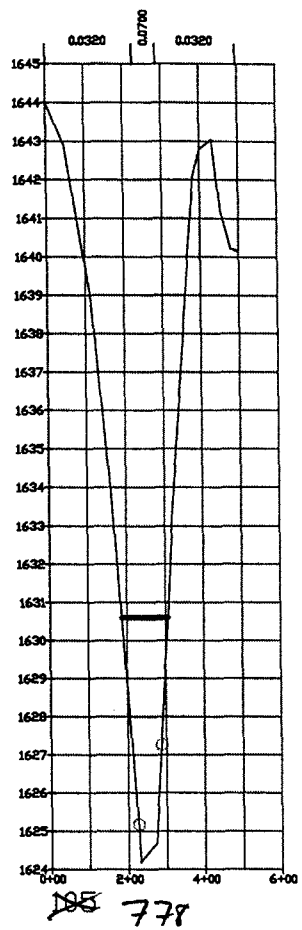
Cross-Section:	776	
Elevation:	1601.10	ft MSL
Depth:	5.31	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.5946	
Flow Regime:	Subcritical	
Flow Area:	611.24	sq ft
Average Velocity:	7.78	ft/s
Maximum Velocity:	8.33	ft/s
Composite n:	0.054	
Hydraulic Radius:	3.13	ft
Wetted Perimeter:	195.04	ft
Wetted Top Width:	194.66	ft
Critical Slope:	0.0489	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31E–776

Entellus™

File: T3N-R7W-S31E-Bottom.dwg Date: 07/12/02



Normal Depth Results

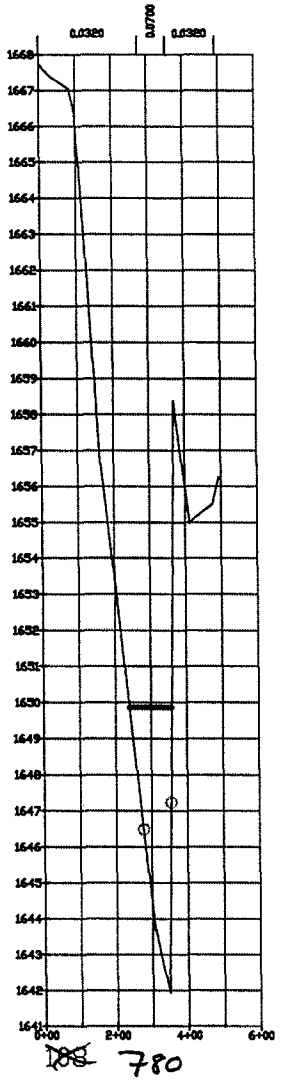
Cross-Section:	~~185~~ 778	
Elevation:	1630.61	ft MSL
Depth:	6.42	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.6688	
Flow Regime:	Subcritical	
Flow Area:	494.17	sq ft
Average Velocity:	9.58	ft/s
Maximum Velocity:	11.85	ft/s
Composite n:	0.0529	
Hydraulic Radius:	4.06	ft
Wetted Perimeter:	121.66	ft
Wetted Top Width:	120.68	ft
Critical Slope:	0.0402	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31E–~~185~~ 778

Entellus™

File: T3N-R7W-S31E-Bottom.dwg Date: 9/03/02



Normal Depth Results

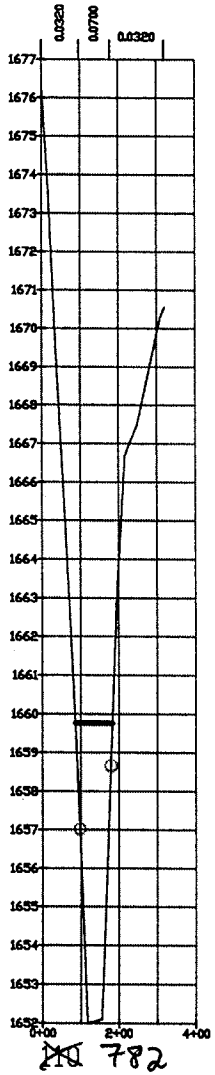
Cross-Section:	~~108~~ 780	
Elevation:	1649.87	ft MSL
Depth:	7.93	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.5625	
Flow Regime:	Subcritical	
Flow Area:	528.73	sq ft
Average Velocity:	8.99	ft/s
Maximum Velocity:	9.06	ft/s
Composite n:	0.0583	
Hydraulic Radius:	4.37	ft
Wetted Perimeter:	121.06	ft
Wetted Top Width:	117.99	ft
Critical Slope:	0.0548	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31E–~~108~~ 780

Entellus™

File: T3N-R7W-S31E-Bottom.dwg, Date: 9/03/02



Normal Depth Results

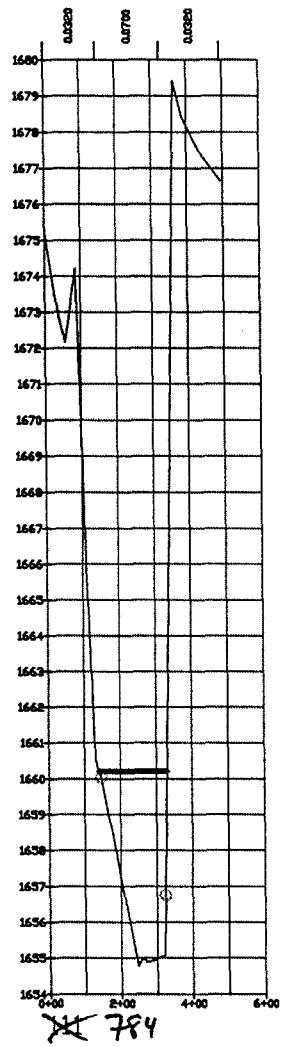
Cross-Section:	~~10~~ 782	
Elevation:	1659.76	ft MSL
Depth:	7.76	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.5817	
Flow Regime:	Subcritical	
Flow Area:	516.69	sq ft
Average Velocity:	9.18	ft/s
Maximum Velocity:	9.26	ft/s
Composite n:	0.0647	
Hydraulic Radius:	5.23	ft
Wetted Perimeter:	98.81	ft
Wetted Top Width:	96.82	ft
Critical Slope:	0.0518	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31E–~~710~~ 782

Entellus™

File: T3N-R7W-S31E-Bottom.dwg; Date: 9/03/02



Normal Depth Results

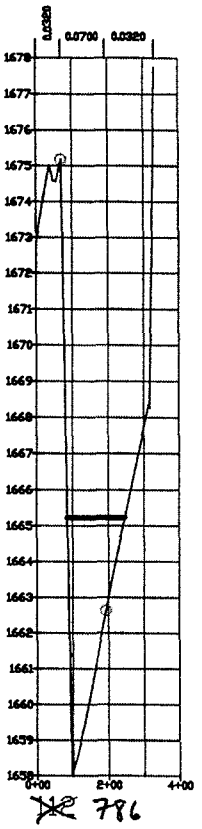
Cross-Section:	~~XX~~ 784	
Elevation:	1660.21	ft MSL
Depth:	5.43	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.5184	
Flow Regime:	Subcritical	
Flow Area:	693.22	sq ft
Average Velocity:	6.86	ft/s
Maximum Velocity:	7.96	ft/s
Composite n:	0.0677	
Hydraulic Radius:	3.62	ft
Wetted Perimeter:	191.70	ft
Wetted Top Width:	190.08	ft
Critical Slope:	0.065	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~XX~~ 784

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/19/02



Normal Depth Results

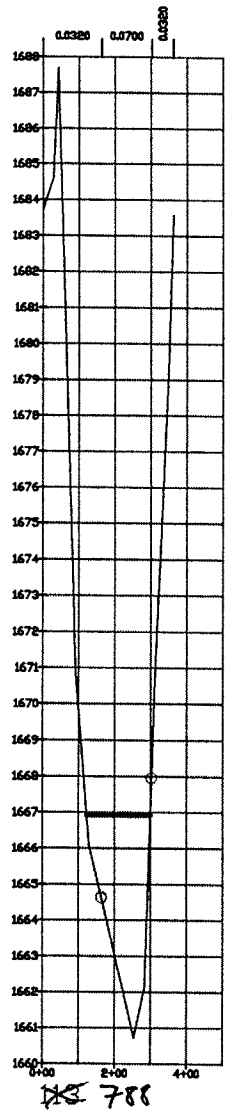
Cross-Section:	~~D2~~ 786	
Elevation:	1665.24	ft MSL
Depth:	7.20	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.5188	
Flow Regime:	Subcritical	
Flow Area:	601.62	sq ft
Average Velocity:	7.91	ft/s
Maximum Velocity:	8.01	ft/s
Composite n:	0.0589	
Hydraulic Radius:	3.66	ft
Wetted Perimeter:	164.24	ft
Wetted Top Width:	161.90	ft
Critical Slope:	0.0642	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~D2~~ 786

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/09/02



Normal Depth Results

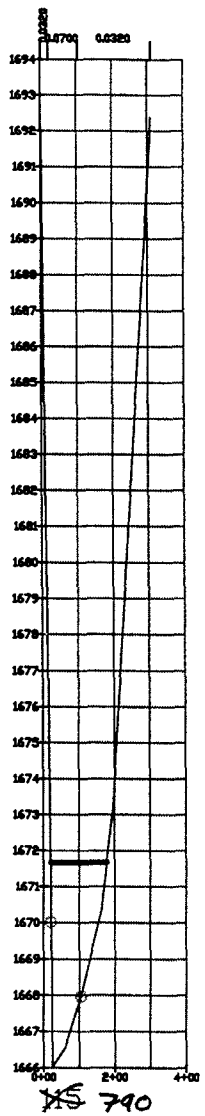
Cross-Section:	~~118~~ 788	
Elevation:	1666.93	ft MSL
Depth:	6.20	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.5246	
Flow Regime:	Subcritical	
Flow Area:	641.06	sq ft
Average Velocity:	7.39	ft/s
Maximum Velocity:	7.58	ft/s
Composite n:	0.0624	
Hydraulic Radius:	3.61	ft
Wetted Perimeter:	177.41	ft
Wetted Top Width:	176.51	ft
Critical Slope:	0.0632	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~113~~ 788

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/09/02



Normal Depth Results

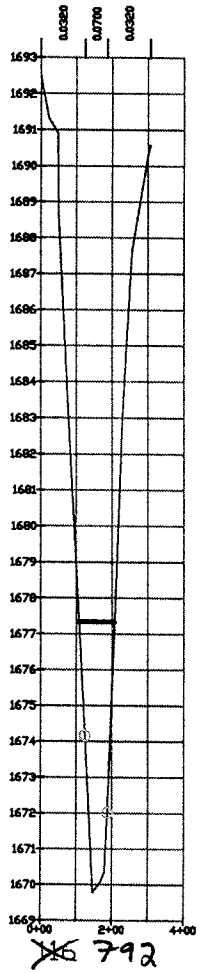
Cross-Section:	~~715~~ 790	
Elevation:	1671.68	ft MSL
Depth:	5.67	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.629	
Flow Regime:	Subcritical	
Flow Area:	559.23	sq ft
Average Velocity:	8.47	ft/s
Maximum Velocity:	10.12	ft/s
Composite n:	0.0539	
Hydraulic Radius:	3.46	ft
Wetted Perimeter:	161.46	ft
Wetted Top Width:	158.83	ft
Critical Slope:	0.0455	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~715~~ 790

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/09/02



Normal Depth Results

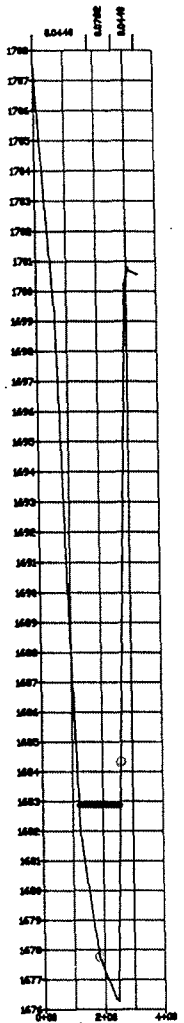
Cross-Section:	~~116~~ 792	
Elevation:	1677.34	ft MSL
Depth:	7.56	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.6271	
Flow Regime:	Subcritical	
Flow Area:	485.66	sq ft
Average Velocity:	9.78	ft/s
Maximum Velocity:	11.55	ft/s
Composite n:	0.0574	
Hydraulic Radius:	4.8	ft
Wetted Perimeter:	101.08	ft
Wetted Top Width:	99.49	ft
Critical Slope:	0.0445	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~116~~ 792

Entellus™

File: T3N-R7W-S31E-TOP.dwg Date: 5/29/02



~~118~~ 794

Normal Depth Results

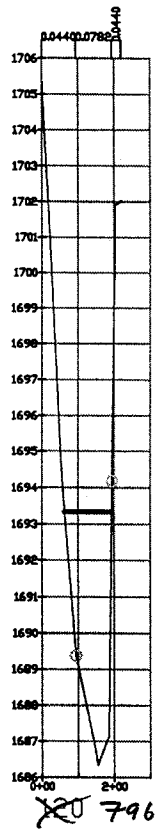
Cross-Section:	~~116~~ 794	
Elevation:	1682.87	ft MSL
Depth:	6.58	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.5529	
Flow Regime:	Subcritical	
Flow Area:	590.37	sq ft
Average Velocity:	8.04	ft/s
Maximum Velocity:	8.97	ft/s
Composite n:	0.064	
Hydraulic Radius:	4.22	ft
Wetted Perimeter:	139.95	ft
Wetted Top Width:	138.18	ft
Critical Slope:	0.0574	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R8W-S31E-~~118~~ 794

Entellus™

File: T3N-R7W-S31E.dwg, Date: 9/03/02



Normal Depth Results

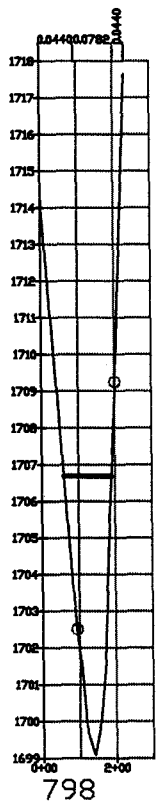
Cross-Section:	~~120~~ 796	
Elevation:	1693.34	ft MSL
Depth:	6.99	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.5144	
Flow Regime:	Subcritical	
Flow Area:	615.61	sq ft
Average Velocity:	7.71	ft/s
Maximum Velocity:	7.79	ft/s
Composite n:	0.0707	
Hydraulic Radius:	4.63	ft
Wetted Perimeter:	132.92	ft
Wetted Top Width:	130.48	ft
Critical Slope:	0.0656	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~120~~ 796

Entellus™

File: T3N-R7W-S31E-T796.dwg Date: 5/29/02



Normal Depth Results

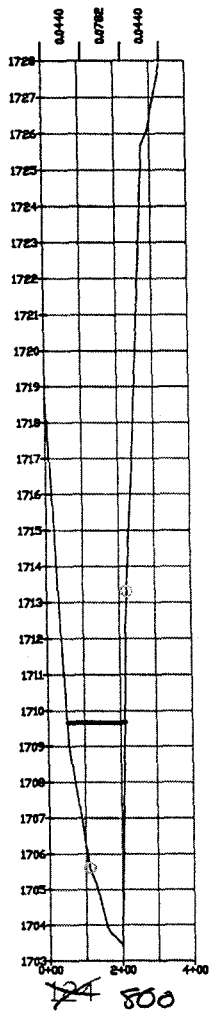
Cross-Section:	798	
Elevation:	1706.69	ft MSL
Depth:	7.60	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.4979	
Flow Regime:	Subcritical	
Flow Area:	609.93	sq ft
Average Velocity:	7.78	ft/s
Maximum Velocity:	7.85	ft/s
Composite n:	0.0702	
Hydraulic Radius:	4.63	ft
Wetted Perimeter:	131.16	ft
Wetted Top Width:	129.93	ft
Critical Slope:	0.07	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–798

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 07/12/02



Normal Depth Results

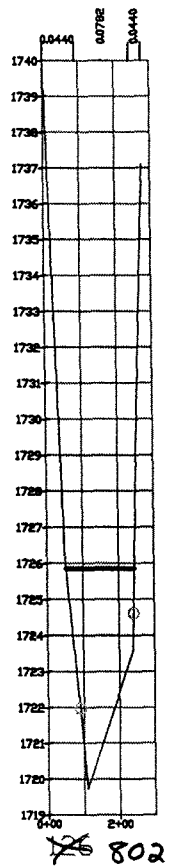
Cross-Section:	~~124~~ 800	
Elevation:	1709.68	ft MSL
Depth:	6.24	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.52	
Flow Regime:	Subcritical	
Flow Area:	644.70	sq ft
Average Velocity:	7.37	ft/s
Maximum Velocity:	7.52	ft/s
Composite n:	0.0668	
Hydraulic Radius:	3.98	ft
Wetted Perimeter:	161.92	ft
Wetted Top Width:	160.32	ft
Critical Slope:	0.0639	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~124~~ 800

Entellus™

File: T3N-R7W-S31E-T3N.dwg Date: 5/29/02



Normal Depth Results

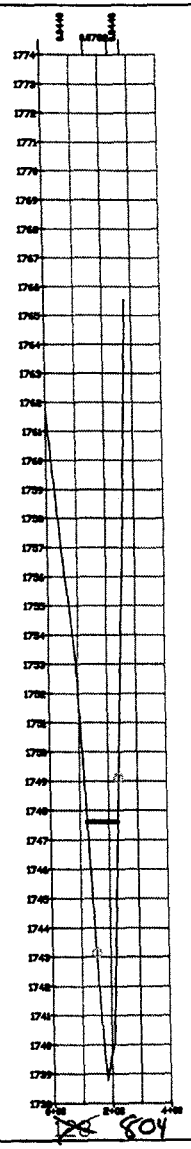
Cross-Section:	~~126~~ 802	
Elevation:	1725.86	ft MSL
Depth:	6.13	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.4695	
Flow Regime:	Subcritical	
Flow Area:	720.54	sq ft
Average Velocity:	6.59	ft/s
Maximum Velocity:	6.84	ft/s
Composite n:	0.0717	
Hydraulic Radius:	3.74	ft
Wetted Perimeter:	192.64	ft
Wetted Top Width:	191.79	ft
Critical Slope:	0.0788	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~126~~ 802

Entellus™

File: T3N-R7W-S31E-T802.dwg Date: 5/29/02



Normal Depth Results

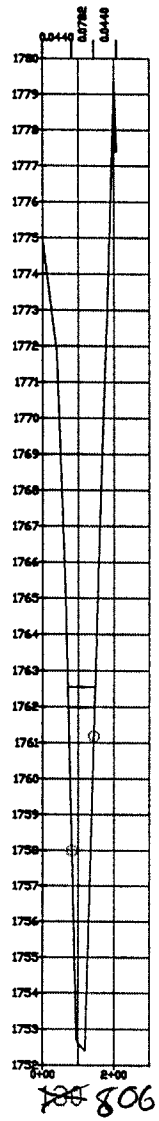
Cross-Section:	~~128~~ 804	
Elevation:	1747.62	ft MSL
Depth:	8.82	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.4998	
Flow Regime:	Subcritical	
Flow Area:	564.32	sq ft
Average Velocity:	8.42	ft/s
Maximum Velocity:	8.52	ft/s
Composite n:	0.0704	
Hydraulic Radius:	5.25	ft
Wetted Perimeter:	107.43	ft
Wetted Top Width:	105.46	ft
Critical Slope:	0.0695	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~128~~ 804

Entellus™

File: T3N-R7W-S31E-T-P.dwg Date: 5/29/02



Normal Depth Results

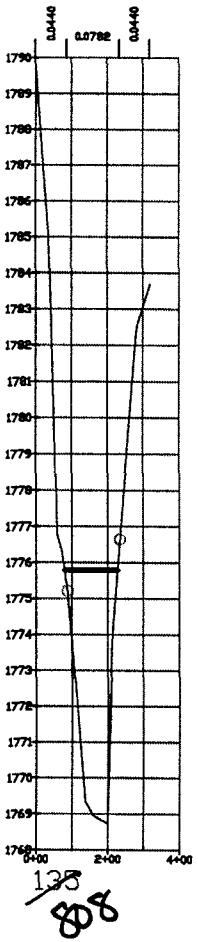
Cross-Section:	~~130~~ 806	
Elevation:	1762.56	ft MSL
Depth:	10.15	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.5197	
Flow Regime:	Subcritical	
Flow Area:	505.84	sq ft
Average Velocity:	9.39	ft/s
Maximum Velocity:	9.54	ft/s
Composite n:	0.072	
Hydraulic Radius:	6.28	ft
Wetted Perimeter:	80.55	ft
Wetted Top Width:	76.86	ft
Critical Slope:	0.0658	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~130~~ 806

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 7/12/02



Normal Depth Results

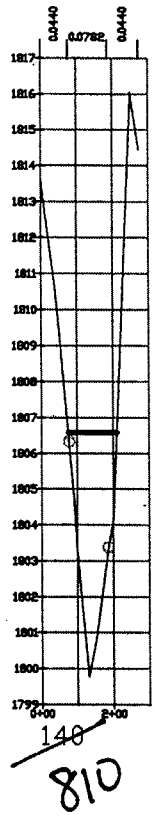
Cross-Section:	~~135~~ 808	
Elevation:	1775.80	ft MSL
Depth:	7.06	ft
Discharge:	4750.00	cfs
Energy Gradient:	0.0173	ft/ft
Froude Number:	0.4687	
Flow Regime:	Subcritical	
Flow Area:	672.50	sq ft
Average Velocity:	7.07	ft/s
Maximum Velocity:	7.09	ft/s
Composite n:	0.0764	
Hydraulic Radius:	4.5	ft
Wetted Perimeter:	149.50	ft
Wetted Top Width:	148.04	ft
Critical Slope:	0.0805	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~135~~ 808

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/09/02



Normal Depth Results

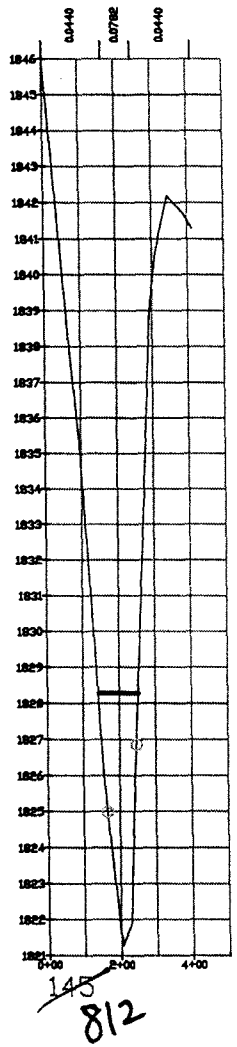
Cross-Section:	~~140~~ 810	
Elevation:	1806.59	ft MSL
Depth:	6.80	ft
Discharge:	3400.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4306	
Flow Regime:	Subcritical	
Flow Area:	533.82	sq ft
Average Velocity:	6.36	ft/s
Maximum Velocity:	6.91	ft/s
Composite n:	0.0721	
Hydraulic Radius:	3.9	ft
Wetted Perimeter:	136.82	ft
Wetted Top Width:	135.98	ft
Critical Slope:	0.0835	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~140~~ 810

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/09/02



Normal Depth Results

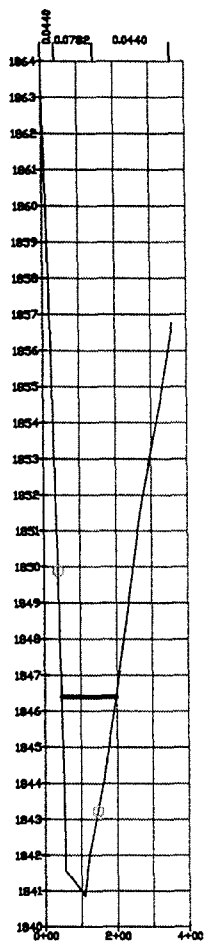
Cross-Section:	~~145~~ 812	
Elevation:	1828.29	ft MSL
Depth:	7.01	ft
Discharge:	3400.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4698	
Flow Regime:	Subcritical	
Flow Area:	481.85	sq ft
Average Velocity:	7.06	ft/s
Maximum Velocity:	7.18	ft/s
Composite n:	0.0699	
Hydraulic Radius:	4.32	ft
Wetted Perimeter:	111.53	ft
Wetted Top Width:	110.22	ft
Critical Slope:	0.0707	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~145~~ 812

Entellus™

File: T3N-R7W-S31E-TOP.dwg Date: 5/29/02



~~150~~ 814

Normal Depth Results

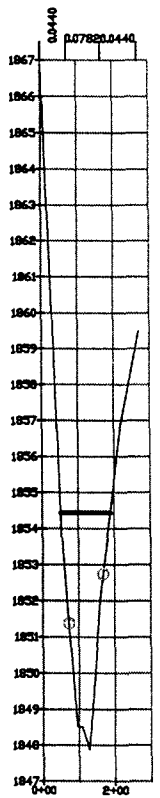
Cross-Section:	~~150~~ 814	
Elevation:	1846.41	ft MSL
Depth:	5.55	ft
Discharge:	3400.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4734	
Flow Regime:	Subcritical	
Flow Area:	537.50	sq ft
Average Velocity:	6.32	ft/s
Maximum Velocity:	6.40	ft/s
Composite n:	0.0676	
Hydraulic Radius:	3.53	ft
Wetted Perimeter:	152.26	ft
Wetted Top Width:	150.97	ft
Critical Slope:	0.0684	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~150~~ 814

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 5/29/02



~~152~~ 816

Normal Depth Results

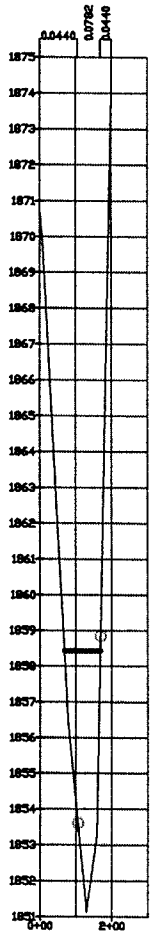
Cross-Section:	~~152~~ 816	
Elevation:	1854.45	ft MSL
Depth:	6.56	ft
Discharge:	3400.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4528	
Flow Regime:	Subcritical	
Flow Area:	516.75	sq ft
Average Velocity:	6.57	ft/s
Maximum Velocity:	6.74	ft/s
Composite n:	0.0686	
Hydraulic Radius:	3.74	ft
Wetted Perimeter:	138.33	ft
Wetted Top Width:	137.53	ft
Critical Slope:	0.0772	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~152~~ 816

Entellus™

File: T3N-R7W-S31E-T-V.dwg, Date: 5/29/02



~~155~~ 818

Normal Depth Results

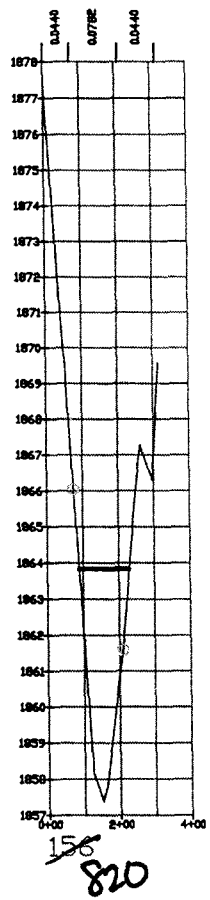
Cross-Section:	~~155~~ 818	
Elevation:	1858.43	ft MSL
Depth:	7.28	ft
Discharge:	3400.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4895	
Flow Regime:	Subcritical	
Flow Area:	453.77	sq ft
Average Velocity:	7.50	ft/s
Maximum Velocity:	8.19	ft/s
Composite n:	0.0665	
Hydraulic Radius:	4.44	ft
Wetted Perimeter:	102.27	ft
Wetted Top Width:	100.45	ft
Critical Slope:	0.0641	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~155~~ 818

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/(6)/02



Normal Depth Results

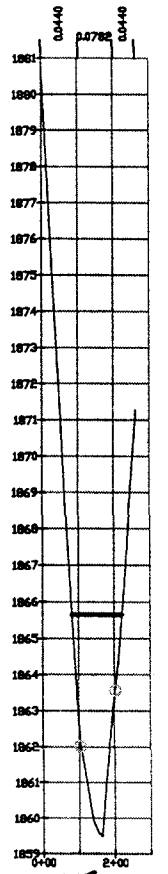
Cross-Section:	~~156~~ 820	
Elevation:	1863.84	ft MSL
Depth:	6.45	ft
Discharge:	3400.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4298	
Flow Regime:	Subcritical	
Flow Area:	549.17	sq ft
Average Velocity:	6.21	ft/s
Maximum Velocity:	6.28	ft/s
Composite n:	0.0739	
Hydraulic Radius:	3.9	ft
Wetted Perimeter:	140.91	ft
Wetted Top Width:	140.16	ft
Critical Slope:	0.0832	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~156~~ 820

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 5/29/02



~~160~~ 822

Normal Depth Results

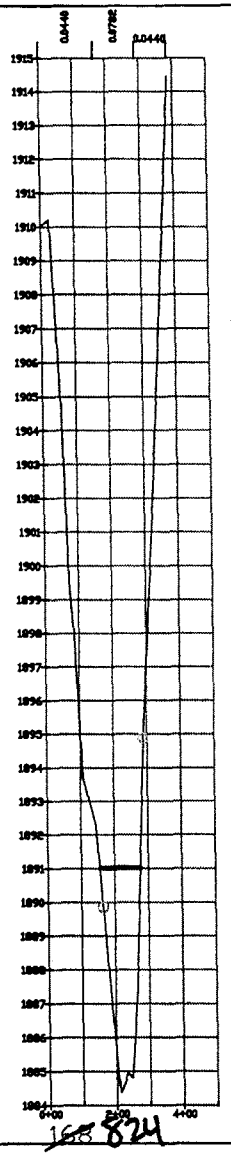
Cross-Section:	~~160~~ 822	
Elevation:	1865.66	ft MSL
Depth:	6.17	ft
Discharge:	3400.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4612	
Flow Regime:	Subcritical	
Flow Area:	523.17	sq ft
Average Velocity:	6.51	ft/s
Maximum Velocity:	6.63	ft/s
Composite n:	0.0687	
Hydraulic Radius:	3.74	ft
Wetted Perimeter:	139.86	ft
Wetted Top Width:	139.17	ft
Critical Slope:	0.0728	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~160~~ 822

Entellus™

File: T3N-R7W-S31E-Top.dwg, Date: 5/29/02



Normal Depth Results ~~168~~ 824

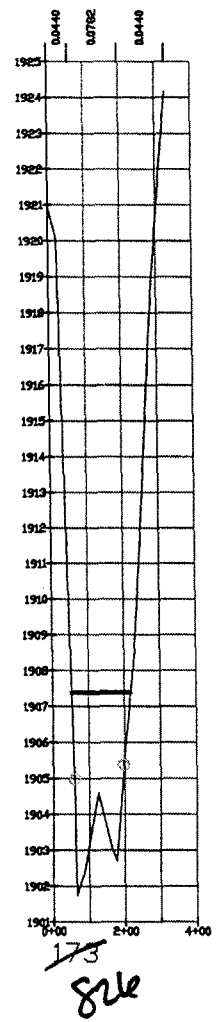
Cross-Section:		
Elevation:	1891.03	ft MSL
Depth:	6.64	ft
Discharge:	3400.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4434	
Flow Regime:	Subcritical	
Flow Area:	524.64	sq ft
Average Velocity:	6.48	ft/s
Maximum Velocity:	6.52	ft/s
Composite n:	0.0757	
Hydraulic Radius:	4.28	ft
Wetted Perimeter:	122.46	ft
Wetted Top Width:	121.31	ft
Critical Slope:	0.0794	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~168~~ 824

Entellus™

File: T3N-R7W-S31E-FOP.dwg Date: 5/29/02



Normal Depth Results ~~173~~ 826

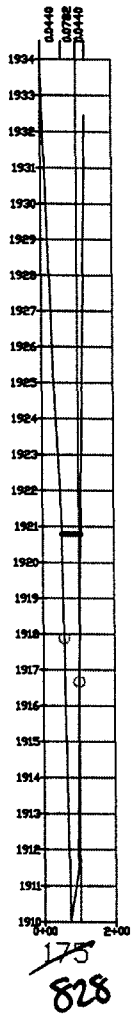
Cross-Section:		
Elevation:	1907.40	ft MSL
Depth:	5.65	ft
Discharge:	3400.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4328	
Flow Regime:	Subcritical	
Flow Area:	582.60	sq ft
Average Velocity:	5.84	ft/s
Maximum Velocity:	5.92	ft/s
Composite n:	0.0732	
Hydraulic Radius:	3.51	ft
Wetted Perimeter:	166.13	ft
Wetted Top Width:	164.47	ft
Critical Slope:	0.0825	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~173~~ 826

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 5/29/02



Normal Depth Results

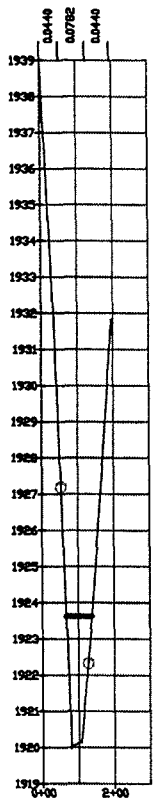
Cross-Section:	~~175~~ 828	
Elevation:	1920.80	ft MSL
Depth:	10.74	ft
Discharge:	3400.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4862	
Flow Regime:	Subcritical	
Flow Area:	376.26	sq ft
Average Velocity:	9.04	ft/s
Maximum Velocity:	9.24	ft/s
Composite n:	0.0711	
Hydraulic Radius:	6.35	ft
Wetted Perimeter:	59.30	ft
Wetted Top Width:	53.16	ft
Critical Slope:	0.0671	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~175~~ 828

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/19/02



~~176~~ 830

Normal Depth Results

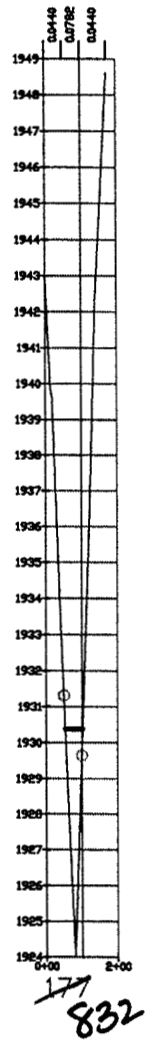
Cross-Section:	~~176~~ 830	
Elevation:	1923.64	ft MSL
Depth:	3.67	ft
Discharge:	810.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.4201	
Flow Regime:	Subcritical	
Flow Area:	177.53	sq ft
Average Velocity:	4.56	ft/s
Maximum Velocity:	4.63	ft/s
Composite n:	0.0733	
Hydraulic Radius:	2.42	ft
Wetted Perimeter:	73.42	ft
Wetted Top Width:	72.73	ft
Critical Slope:	0.0881	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~176~~ 830

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/09/02



Normal Depth Results

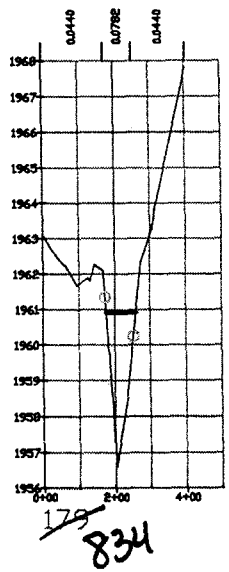
Cross-Section:	~~177~~ 832	
Elevation:	1930.39	ft MSL
Depth:	6.37	ft
Discharge:	810.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.3615	
Flow Regime:	Subcritical	
Flow Area:	156.55	sq ft
Average Velocity:	5.17	ft/s
Maximum Velocity:	5.18	ft/s
Composite n:	0.0766	
Hydraulic Radius:	3.11	ft
Wetted Perimeter:	50.32	ft
Wetted Top Width:	48.65	ft
Critical Slope:	0.1192	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~177~~ 832

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/19/02



Normal Depth Results

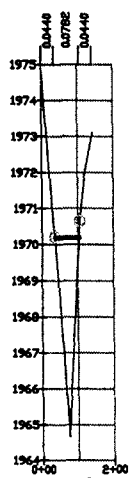
Cross-Section:	~~179~~ 834	
Elevation:	1960.92	ft MSL
Depth:	4.31	ft
Discharge:	810.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.3593	
Flow Regime:	Subcritical	
Flow Area:	191.46	sq ft
Average Velocity:	4.25	ft/s
Maximum Velocity:	4.27	ft/s
Composite n:	0.0756	
Hydraulic Radius:	2.27	ft
Wetted Perimeter:	84.49	ft
Wetted Top Width:	83.97	ft
Critical Slope:	0.12	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~179~~ 834

Entellus™

File: T3N-R7W-S31E-TOP.dwg Date: 5/29/02



~~181~~ 836

Normal Depth Results

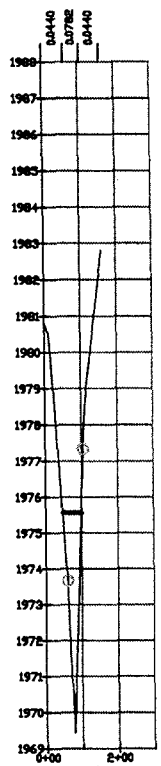
Cross-Section:	~~181~~ 836	
Elevation:	1970.19	ft MSL
Depth:	5.52	ft
Discharge:	810.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.3365	
Flow Regime:	Subcritical	
Flow Area:	180.67	sq ft
Average Velocity:	4.48	ft/s
Maximum Velocity:	4.48	ft/s
Composite n:	0.0782	
Hydraulic Radius:	2.62	ft
Wetted Perimeter:	68.89	ft
Wetted Top Width:	67.98	ft
Critical Slope:	0.1352	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~181~~ 836

Entellus™

File: T3N-R7W-S31E-TOP.dwg Date: 5/29/02



~~183~~ 838

Normal Depth Results

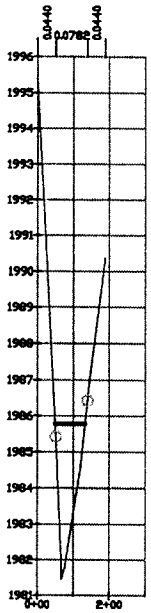
Cross-Section:	~~193~~ 838	
Elevation:	1975.57	ft MSL
Depth:	6.12	ft
Discharge:	810.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.3764	
Flow Regime:	Subcritical	
Flow Area:	153.31	sq ft
Average Velocity:	5.26	ft/s
Maximum Velocity:	5.38	ft/s
Composite n:	0.0705	
Hydraulic Radius:	2.82	ft
Wetted Perimeter:	54.31	ft
Wetted Top Width:	52.80	ft
Critical Slope:	0.1106	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–1~~83~~ 838

Entellus™

File: T3N-R7W-S31E-Typ.dwg Date: 5/29/02



~~184~~ 840

Normal Depth Results

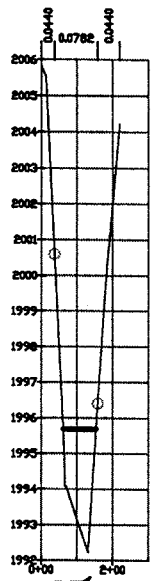
Cross-Section:	~~184~~ 840	
Elevation:	1985.79	ft MSL
Depth:	4.32	ft
Discharge:	810.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.3541	
Flow Regime:	Subcritical	
Flow Area:	194.12	sq ft
Average Velocity:	4.18	ft/s
Maximum Velocity:	4.18	ft/s
Composite n:	0.0775	
Hydraulic Radius:	2.31	ft
Wetted Perimeter:	83.90	ft
Wetted Top Width:	83.22	ft
Critical Slope:	0.1228	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–1~~84~~ 840

Entellus™

File: T3N-R7W-S31E-T3W.dwg Date: 5/29/02



~~185~~ 842

Normal Depth Results

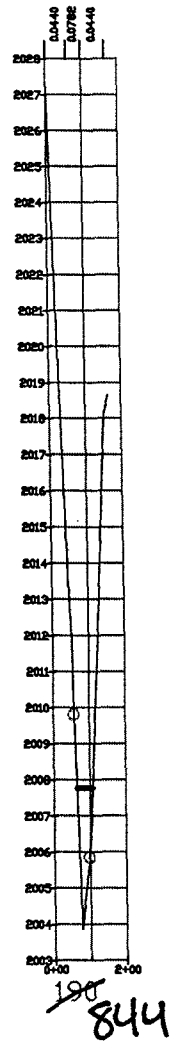
Cross-Section:	~~185~~ 842	
Elevation:	1995.69	ft MSL
Depth:	3.45	ft
Discharge:	810.00	cfs
Energy Gradient:	0.0153	ft/ft
Froude Number:	0.3792	
Flow Regime:	Subcritical	
Flow Area:	202.79	sq ft
Average Velocity:	3.98	ft/s
Maximum Velocity:	3.98	ft/s
Composite n:	0.0782	
Hydraulic Radius:	2.19	ft
Wetted Perimeter:	92.56	ft
Wetted Top Width:	92.02	ft
Critical Slope:	0.1074	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE F2 – WASH: T3N–R7W–S31E-18 ~~R6W~~

Entellus™

T3N-R7W-S31E-Top.dwg Date: 9/19/02



Normal Depth Results

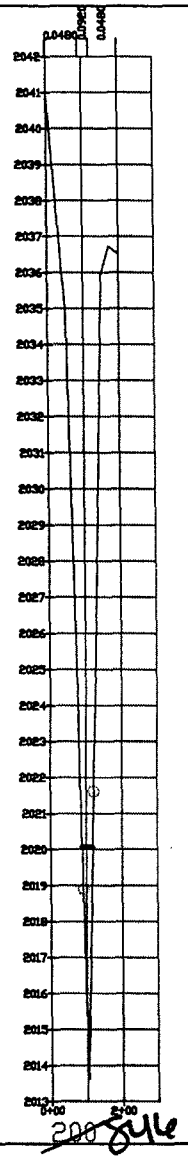
Cross-Section:	~~190~~ 844	
Elevation:	2007.76	ft MSL
Depth:	3.89	ft
Discharge:	810.00	cfs
Energy Gradient:	0.058	ft/ft
Froude Number:	0.752	
Flow Regime:	Subcritical	
Flow Area:	96.28	sq ft
Average Velocity:	8.44	ft/s
Maximum Velocity:	8.53	ft/s
Composite n:	0.071	
Hydraulic Radius:	2.16	ft
Wetted Perimeter:	44.57	ft
Wetted Top Width:	43.70	ft
Critical Slope:	0.1017	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~190~~ 844

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/09/02



Normal Depth Results

Cross-Section:	~~200~~ 846	
Elevation:	2020.07	ft MSL
Depth:	6.44	ft
Discharge:	810.00	cfs
Energy Gradient:	0.058	ft/ft
Froude Number:	0.5862	
Flow Regime:	Subcritical	
Flow Area:	96.01	sq ft
Average Velocity:	8.45	ft/s
Maximum Velocity:	8.51	ft/s
Composite n:	0.0882	
Hydraulic Radius:	2.96	ft
Wetted Perimeter:	32.42	ft
Wetted Top Width:	29.74	ft
Critical Slope:	0.1708	ft/ft

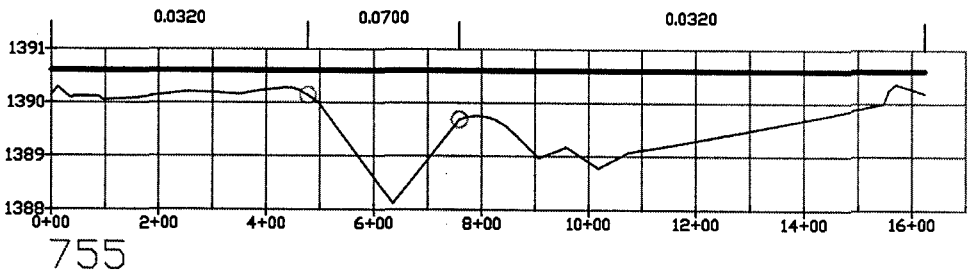
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

FIGURE E2 – WASH: T3N–R7W–S31E–~~200~~ 846

Entellus™

File: T3N-R7W-S31E-Top.dwg Date: 9/09/02

T3N-R7W-S31S



Normal Depth Results

Cross-Section:	755	
Elevation:	1390.61	ft MSL
Depth:	2.50	ft
Discharge:	7000.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4819	
Flow Regime:	Subcritical	
Flow Area:	1620.16	sq ft
Average Velocity:	4.35	ft/s
Maximum Velocity:	5.28	ft/s
Composite n:	0.0398	
Hydraulic Radius:	1	ft
Wetted Perimeter:	1623.54	ft
Wetted Top Width:	1623.50	ft
Critical Slope:	0.0575	ft/ft

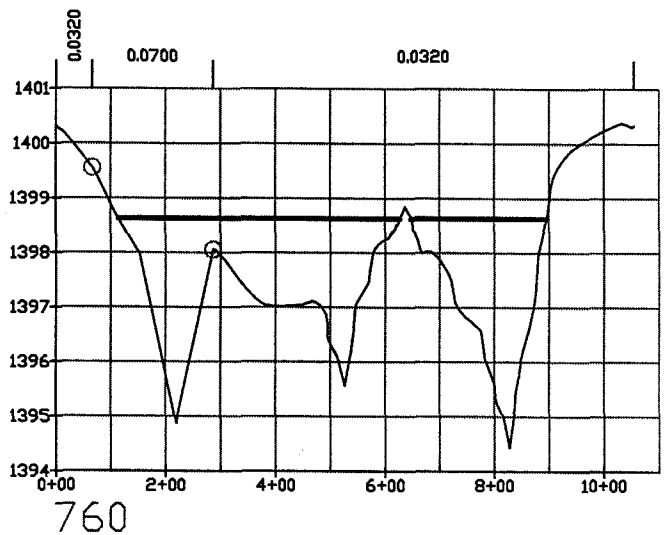
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–755

Entellus™

File: T3N-R7W-S31S.dwg, Date: 5/16/02



Normal Depth Results

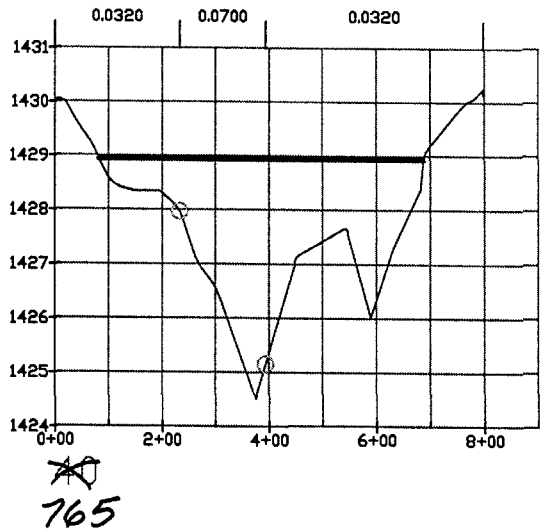
Cross-Section:	760	
Elevation:	1398.63	ft MSL
Depth:	4.19	ft
Discharge:	7000.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4951	
Flow Regime:	Subcritical	
Flow Area:	1217.55	sq ft
Average Velocity:	5.72	ft/s
Maximum Velocity:	6.54	ft/s
Composite n:	0.042	
Hydraulic Radius:	1.6	ft
Wetted Perimeter:	762.58	ft
Wetted Top Width:	762.00	ft
Critical Slope:	0.0574	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–760

Entellus™

File: T3N-R7W-S31S.dwg Date: 07/12/02



Normal Depth Results

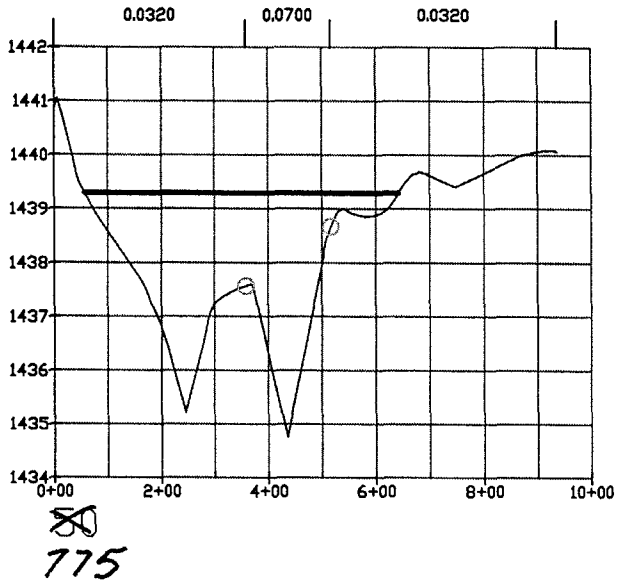
Cross-Section:	~~70~~ 765	
Elevation:	1428.94	ft MSL
Depth:	4.43	ft
Discharge:	6390.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4935	
Flow Regime:	Subcritical	
Flow Area:	1085.05	sq ft
Average Velocity:	5.86	ft/s
Maximum Velocity:	7.43	ft/s
Composite n:	0.0436	
Hydraulic Radius:	1.79	ft
Wetted Perimeter:	605.39	ft
Wetted Top Width:	605.16	ft
Critical Slope:	0.0561	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–~~70~~ 765

Entellus™

File: T3N-R7W-S31S.dwg; Date: 7/12/02



Normal Depth Results

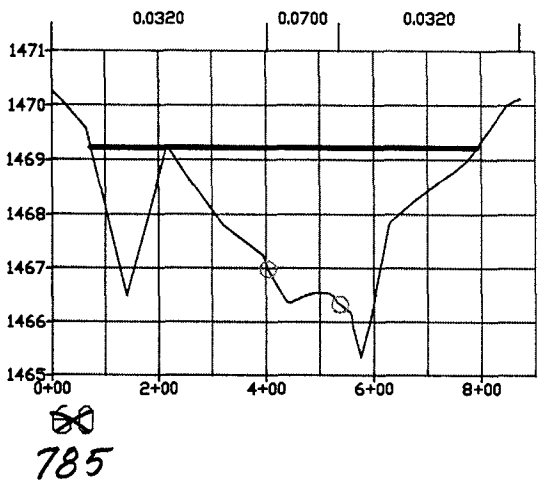
Cross-Section:	~~50~~ 775	
Elevation:	1439.29	ft MSL
Depth:	4.53	ft
Discharge:	6390.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.5002	
Flow Regime:	Subcritical	
Flow Area:	1057.82	sq ft
Average Velocity:	6.07	ft/s
Maximum Velocity:	7.60	ft/s
Composite n:	0.0438	
Hydraulic Radius:	1.81	ft
Wetted Perimeter:	585.92	ft
Wetted Top Width:	585.65	ft
Critical Slope:	0.0574	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–~~50~~ 775

Entellus™

File: T3N-R7W-S31S.dwg; Date: 7/12/02



Normal Depth Results

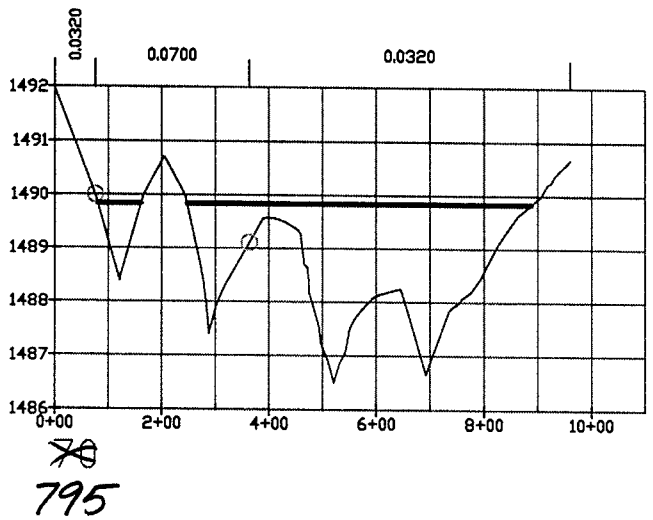
Cross-Section:	~~80~~ 785	
Elevation:	1469.23	ft MSL
Depth:	3.88	ft
Discharge:	6390.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4924	
Flow Regime:	Subcritical	
Flow Area:	1161.89	sq ft
Average Velocity:	5.52	ft/s
Maximum Velocity:	6.45	ft/s
Composite n:	0.0402	
Hydraulic Radius:	1.61	ft
Wetted Perimeter:	719.55	ft
Wetted Top Width:	719.34	ft
Critical Slope:	0.0481	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–~~80~~ 785

Entellus™

File: T3N-R7W-S31S.dwg, Date: 7/12/02



Normal Depth Results

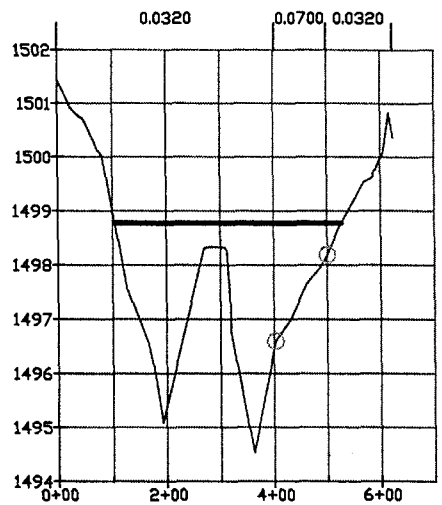
Cross-Section:	~~70~~ 795	
Elevation:	1489.84	ft MSL
Depth:	3.34	ft
Discharge:	5720.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.5443	
Flow Regime:	Subcritical	
Flow Area:	1014.19	sq ft
Average Velocity:	5.65	ft/s
Maximum Velocity:	6.51	ft/s
Composite n:	0.0439	
Hydraulic Radius:	1.41	ft
Wetted Perimeter:	721.55	ft
Wetted Top Width:	721.20	ft
Critical Slope:	0.0594	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–~~70~~ 795

Entellus™

File: T3N-R7W-S31S.dwg; Date: 7/12/02



~~80~~
805

Normal Depth Results

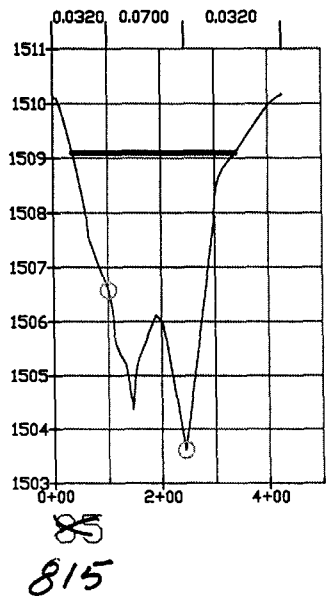
Cross-Section:	~~80~~ 805	
Elevation:	1498.78	ft MSL
Depth:	4.25	ft
Discharge:	5160.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.5869	
Flow Regime:	Subcritical	
Flow Area:	751.80	sq ft
Average Velocity:	6.89	ft/s
Maximum Velocity:	7.86	ft/s
Composite n:	0.0422	
Hydraulic Radius:	1.78	ft
Wetted Perimeter:	423.12	ft
Wetted Top Width:	422.67	ft
Critical Slope:	0.0509	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–80~~5~~

Entellus™

File: T3N-R7W-S31S.dwg, Date: 7/12/02



Normal Depth Results

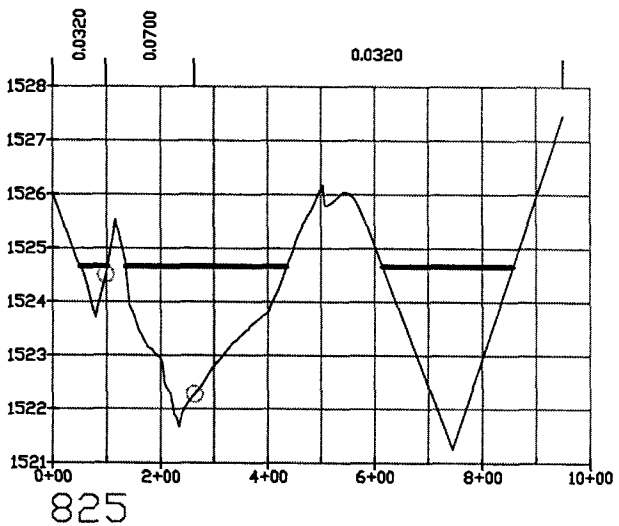
Cross-Section:	~~85~~ 815	
Elevation:	1509.10	ft MSL
Depth:	5.48	ft
Discharge:	5160.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.4712	
Flow Regime:	Subcritical	
Flow Area:	824.69	sq ft
Average Velocity:	6.24	ft/s
Maximum Velocity:	8.08	ft/s
Composite n:	0.0516	
Hydraulic Radius:	2.71	ft
Wetted Perimeter:	304.64	ft
Wetted Top Width:	304.14	ft
Critical Slope:	0.0562	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–~~85~~815

Entellus™

File: T3N-R7W-S31S.dwg; Date: 7/12/02



Normal Depth Results

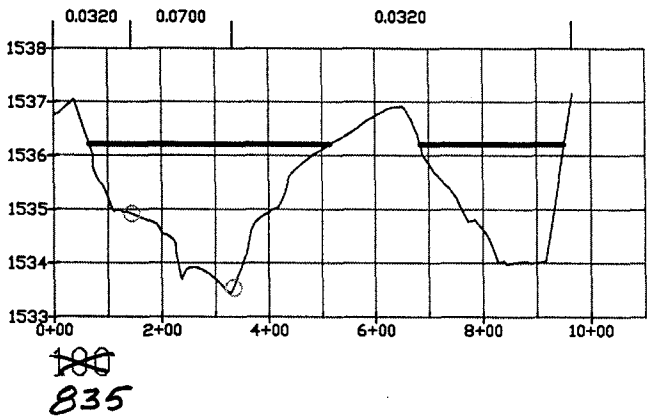
Cross-Section:	825	
Elevation:	1524.66	ft MSL
Depth:	3.40	ft
Discharge:	5160.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.549	
Flow Regime:	Subcritical	
Flow Area:	898.07	sq ft
Average Velocity:	5.75	ft/s
Maximum Velocity:	6.71	ft/s
Composite n:	0.0418	
Hydraulic Radius:	1.51	ft
Wetted Perimeter:	593.86	ft
Wetted Top Width:	593.62	ft
Critical Slope:	0.0496	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–825

Entellus™

File: T3N-R7W-S31S.dwg, Date: 10/18/02



Normal Depth Results

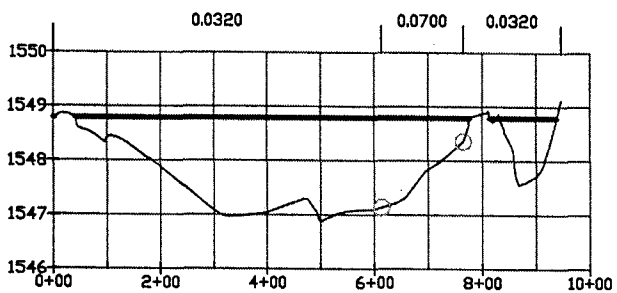
Cross-Section:	~~400~~ 835	
Elevation:	1536.21	ft MSL
Depth:	2.77	ft
Discharge:	5160.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.5314	
Flow Regime:	Subcritical	
Flow Area:	1028.81	sq ft
Average Velocity:	5.00	ft/s
Maximum Velocity:	5.90	ft/s
Composite n:	0.0435	
Hydraulic Radius:	1.44	ft
Wetted Perimeter:	716.89	ft
Wetted Top Width:	716.63	ft
Critical Slope:	0.047	ft/ft

File: T3N-R7W-S31S.dwg, Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–~~100~~ 835

Entellus™



~~110~~
845

Normal Depth Results

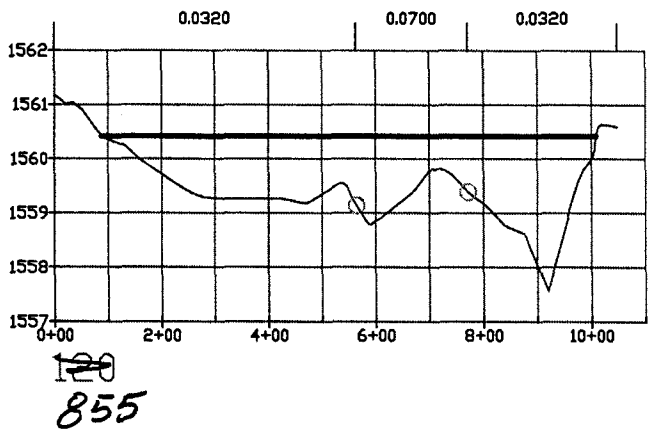
Cross-Section:	~~110~~ 845	
Elevation:	1548.79	ft MSL
Depth:	1.90	ft
Discharge:	5160.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.6639	
Flow Regime:	Subcritical	
Flow Area:	993.58	sq ft
Average Velocity:	5.20	ft/s
Maximum Velocity:	5.98	ft/s
Composite n:	0.0399	
Hydraulic Radius:	1.16	ft
Wetted Perimeter:	857.88	ft
Wetted Top Width:	857.78	ft
Critical Slope:	0.0362	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–~~110~~ 845

Entellus™

File: T3N-R7W-S31S.dwg; Date: 7/12/02



Normal Depth Results

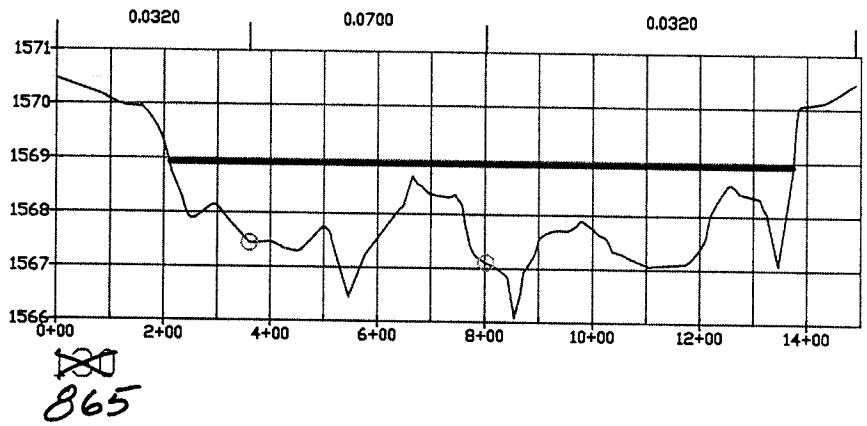
Cross-Section:	~~120~~ 855	
Elevation:	1560.43	ft MSL
Depth:	2.86	ft
Discharge:	5160.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.521	
Flow Regime:	Subcritical	
Flow Area:	1032.66	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	6.82	ft/s
Composite n:	0.0419	
Hydraulic Radius:	1.12	ft
Wetted Perimeter:	921.87	ft
Wetted Top Width:	921.78	ft
Critical Slope:	0.0627	ft/ft

File: T3N-R7W-S31S.dwg, Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–~~120~~ 855

Entellus™



Normal Depth Results

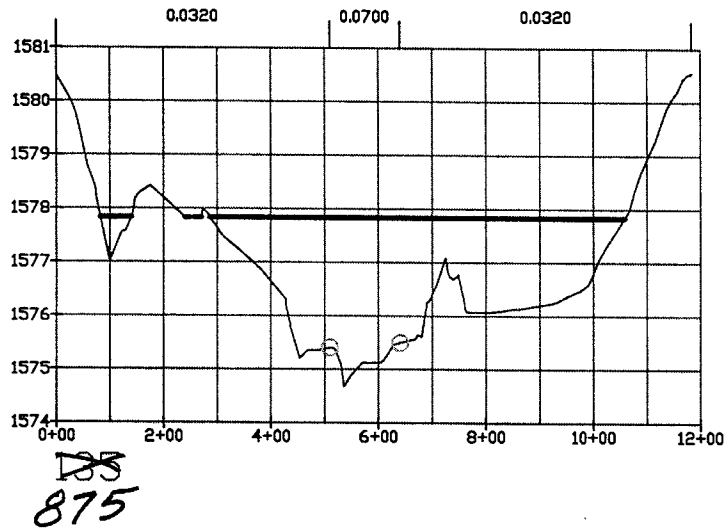
Cross-Section:	~~190~~ 865	
Elevation:	1568.93	ft MSL
Depth:	2.84	ft
Discharge:	7180.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.5037	
Flow Regime:	Subcritical	
Flow Area:	1492.26	sq ft
Average Velocity:	4.78	ft/s
Maximum Velocity:	6.26	ft/s
Composite n:	0.0481	
Hydraulic Radius:	1.28	ft
Wetted Perimeter:	1165.13	ft
Wetted Top Width:	1164.85	ft
Critical Slope:	0.0685	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–~~190~~ 865

Entellus™

File: T3N-R7W-S31S.dwg; Date: 7/12/02



Normal Depth Results

Cross-Section:	~~105~~ 875	
Elevation:	1577.84	ft MSL
Depth:	3.16	ft
Discharge:	7180.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.5543	
Flow Regime:	Subcritical	
Flow Area:	1284.95	sq ft
Average Velocity:	5.61	ft/s
Maximum Velocity:	6.45	ft/s
Composite n:	0.0389	
Hydraulic Radius:	1.51	ft
Wetted Perimeter:	852.60	ft
Wetted Top Width:	852.39	ft
Critical Slope:	0.0401	ft/ft

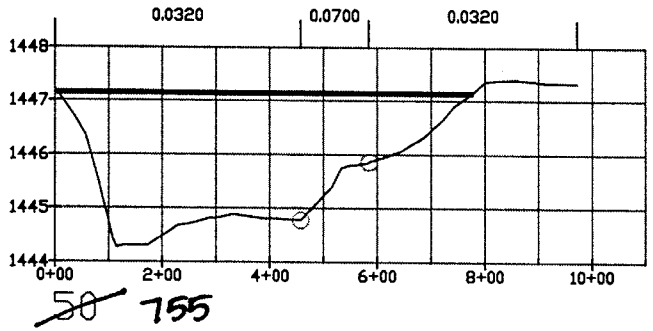
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31S–~~135~~ 875

Entellus™

File: T3N-R7W-S31S.dwg; Date: 7/12/02

T3N-R7W-S31W



Normal Depth Results

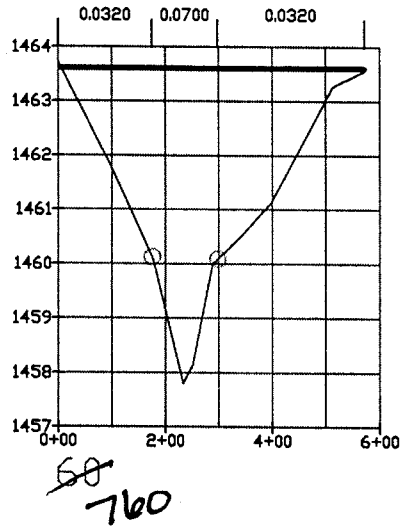
Cross-Section:	~~50~~ 755	
Elevation:	1447.14	ft MSL
Depth:	2.86	ft
Discharge:	9200.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.7188	
Flow Regime:	Subcritical	
Flow Area:	1334.42	sq ft
Average Velocity:	6.92	ft/s
Maximum Velocity:	8.16	ft/s
Composite n:	0.0394	
Hydraulic Radius:	1.72	ft
Wetted Perimeter:	774.79	ft
Wetted Top Width:	774.73	ft
Critical Slope:	0.0311	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~50~~ 755

Entellus™

File: T3N-R7W-S31W.dwg; Date: 9/09/02



Normal Depth Results

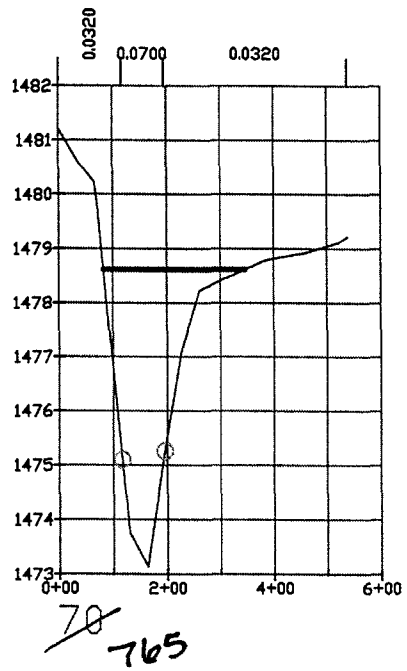
Cross-Section:	~~60~~ 760	
Elevation:	1463.61	ft MSL
Depth:	5.81	ft
Discharge:	9020.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.4934	
Flow Regime:	Subcritical	
Flow Area:	1337.12	sq ft
Average Velocity:	6.74	ft/s
Maximum Velocity:	7.11	ft/s
Composite n:	0.0416	
Hydraulic Radius:	2.36	ft
Wetted Perimeter:	567.06	ft
Wetted Top Width:	566.91	ft
Critical Slope:	0.0465	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~60~~ 760

Entellus™

File: T3N-k7W-S31W-New-Mapping.dwg Date: 9/03/02



Normal Depth Results

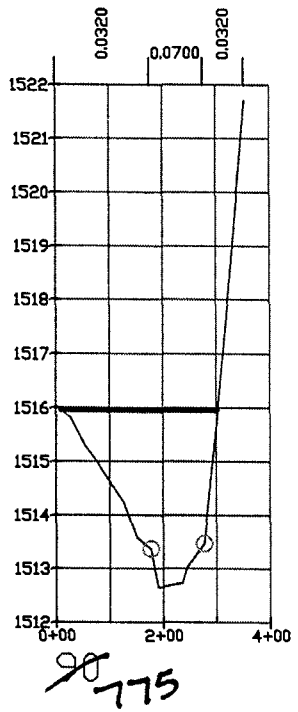
Cross-Section:	~~70~~ 765	
Elevation:	1478.62	ft MSL
Depth:	5.48	ft
Discharge:	3330.00	cfs
Energy Gradient:	0.0112	ft/ft
Froude Number:	0.4503	
Flow Regime:	Subcritical	
Flow Area:	557.01	sq ft
Average Velocity:	5.96	ft/s
Maximum Velocity:	7.19	ft/s
Composite n:	0.045	
Hydraulic Radius:	2.1	ft
Wetted Perimeter:	265.27	ft
Wetted Top Width:	264.87	ft
Critical Slope:	0.0598	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~70~~ 765

Entellus™

File: T3N-R7W-S31W.dwg, Date: 7/12/02



Normal Depth Results

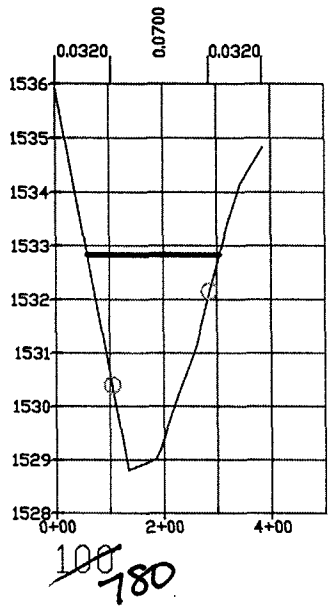
Cross-Section:	~~90~~ 775	
Elevation:	1515.96	ft MSL
Depth:	3.31	ft
Discharge:	3100.00	cfs
Energy Gradient:	0.0134	ft/ft
Froude Number:	0.5477	
Flow Regime:	Subcritical	
Flow Area:	548.24	sq ft
Average Velocity:	5.68	ft/s
Maximum Velocity:	6.33	ft/s
Composite n:	0.0466	
Hydraulic Radius:	1.87	ft
Wetted Perimeter:	293.40	ft
Wetted Top Width:	293.23	ft
Critical Slope:	0.0454	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~80~~ 775

Entellus™

File: T3N-R7W-S31W.dwg; Date: 7/12/02



Normal Depth Results 780

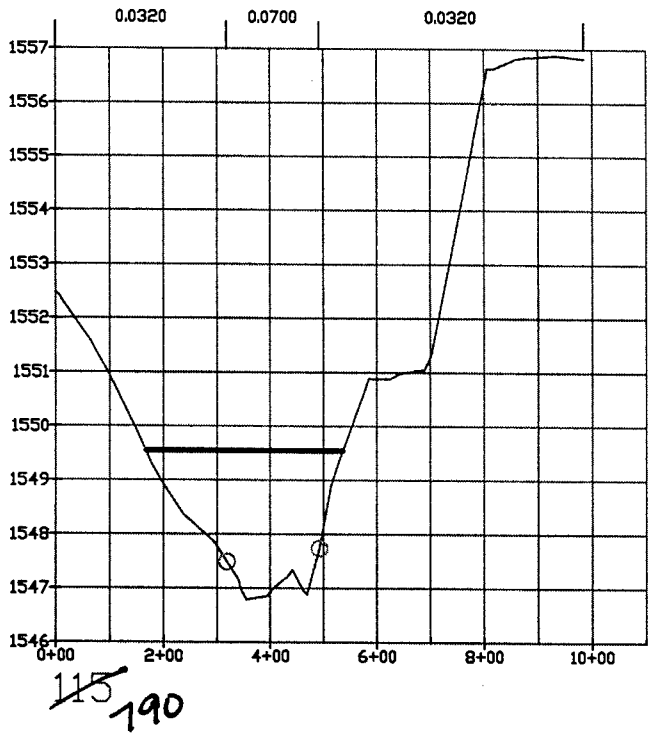
Cross-Section:	~~100~~	
Elevation:	1532.84	ft MSL
Depth:	4.03	ft
Discharge:	3100.00	cfs
Energy Gradient:	0.0134	ft/ft
Froude Number:	0.4529	
Flow Regime:	Subcritical	
Flow Area:	601.21	sq ft
Average Velocity:	5.15	ft/s
Maximum Velocity:	6.14	ft/s
Composite n:	0.0612	
Hydraulic Radius:	2.43	ft
Wetted Perimeter:	246.93	ft
Wetted Top Width:	246.76	ft
Critical Slope:	0.0669	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~100~~ 780

Entellus™

File: T3N-R7W-S31W.dwg; Date: 7/12/02



Normal Depth Results

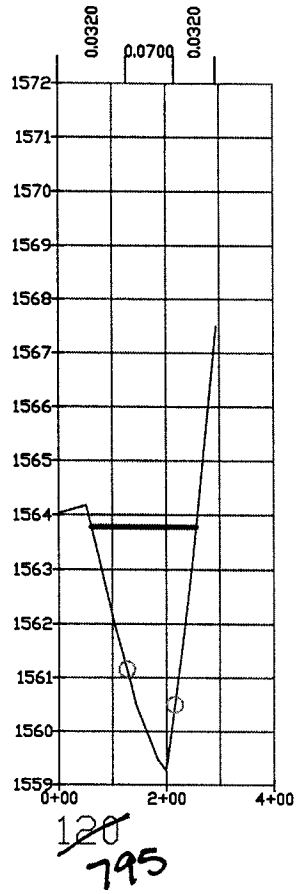
Cross-Section:	~~115~~ 190	
Elevation:	1549.55	ft MSL
Depth:	2.76	ft
Discharge:	3100.00	cfs
Energy Gradient:	0.0134	ft/ft
Froude Number:	0.5176	
Flow Regime:	Subcritical	
Flow Area:	635.51	sq ft
Average Velocity:	4.87	ft/s
Maximum Velocity:	5.87	ft/s
Composite n:	0.0516	
Hydraulic Radius:	1.72	ft
Wetted Perimeter:	369.48	ft
Wetted Top Width:	369.40	ft
Critical Slope:	0.0518	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~115~~ 190

Entellus™

File: T3N-R7W-S31W.dwg, Date: 7/12/02



Normal Depth Results

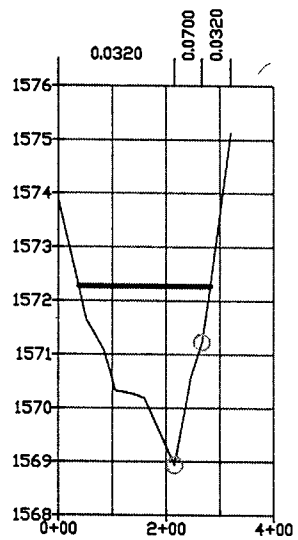
Cross-Section:	~~120~~ 795	
Elevation:	1563.78	ft MSL
Depth:	4.50	ft
Discharge:	3100.00	cfs
Energy Gradient:	0.0134	ft/ft
Froude Number:	0.5243	
Flow Regime:	Subcritical	
Flow Area:	491.09	sq ft
Average Velocity:	6.31	ft/s
Maximum Velocity:	7.65	ft/s
Composite n:	0.0511	
Hydraulic Radius:	2.52	ft
Wetted Perimeter:	194.93	ft
Wetted Top Width:	194.67	ft
Critical Slope:	0.0497	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~120~~ 795

Entellus™

File: T3N-R7W-S31W.dwg, Date: 7/12/02



~~130~~ 800

Normal Depth Results

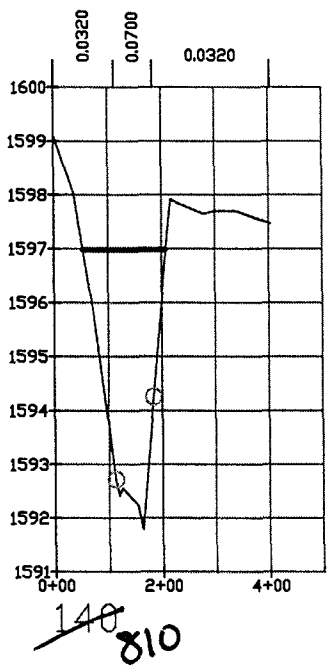
Cross-Section:	~~130~~ 800	
Elevation:	1572.27	ft MSL
Depth:	3.33	ft
Discharge:	3100.00	cfs
Energy Gradient:	0.0134	ft/ft
Froude Number:	0.6818	
Flow Regime:	Subcritical	
Flow Area:	439.03	sq ft
Average Velocity:	7.02	ft/s
Maximum Velocity:	8.08	ft/s
Composite n:	0.0412	
Hydraulic Radius:	1.8	ft
Wetted Perimeter:	244.58	ft
Wetted Top Width:	244.45	ft
Critical Slope:	0.0376	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~130~~ 800

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

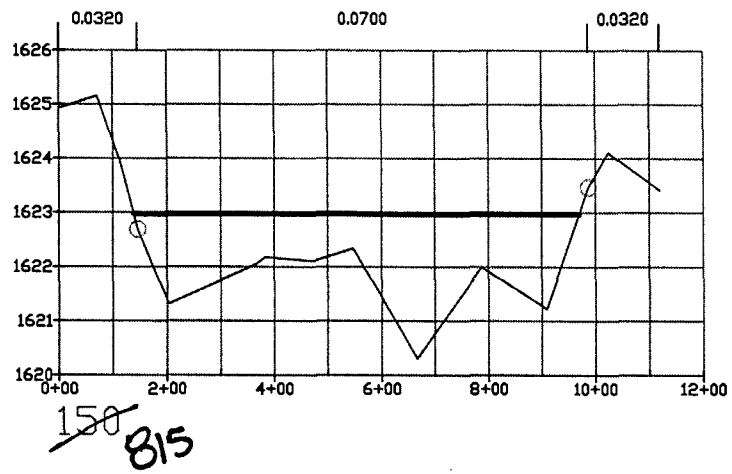
Cross-Section:	~~140~~ 810	
Elevation:	1596.98	ft MSL
Depth:	5.19	ft
Discharge:	3100.00	cfs
Energy Gradient:	0.0115	ft/ft
Froude Number:	0.5103	
Flow Regime:	Subcritical	
Flow Area:	470.00	sq ft
Average Velocity:	6.60	ft/s
Maximum Velocity:	7.95	ft/s
Composite n:	0.0515	
Hydraulic Radius:	3.03	ft
Wetted Perimeter:	155.09	ft
Wetted Top Width:	154.61	ft
Critical Slope:	0.0455	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~140~~ 810

Entellus™

File: T3N-R7W-S31W.dwg; Date: 7/12/02



Normal Depth Results

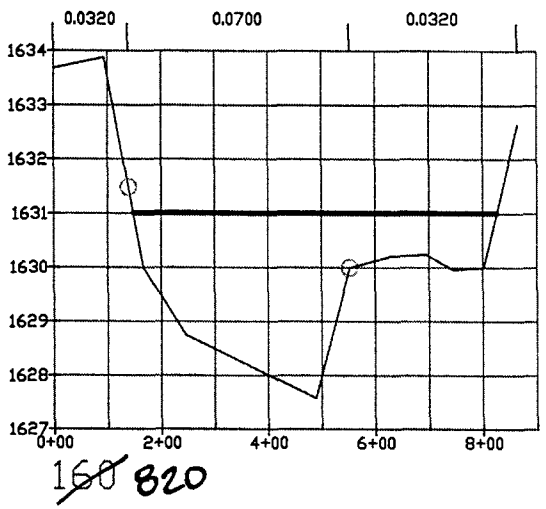
Cross-Section:	~~150~~ 815	
Elevation:	1622.97	ft MSL
Depth:	2.66	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0115	ft/ft
Froude Number:	0.5233	
Flow Regime:	Subcritical	
Flow Area:	1042.76	sq ft
Average Velocity:	4.88	ft/s
Maximum Velocity:	6.50	ft/s
Composite n:	0.052	
Hydraulic Radius:	1.25	ft
Wetted Perimeter:	832.12	ft
Wetted Top Width:	832.04	ft
Critical Slope:	0.0774	ft/ft

File: T3N-R7W-S31W-New-Mapping.dwg Date: 9/03/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~150~~ 815

Entellus™



Normal Depth Results

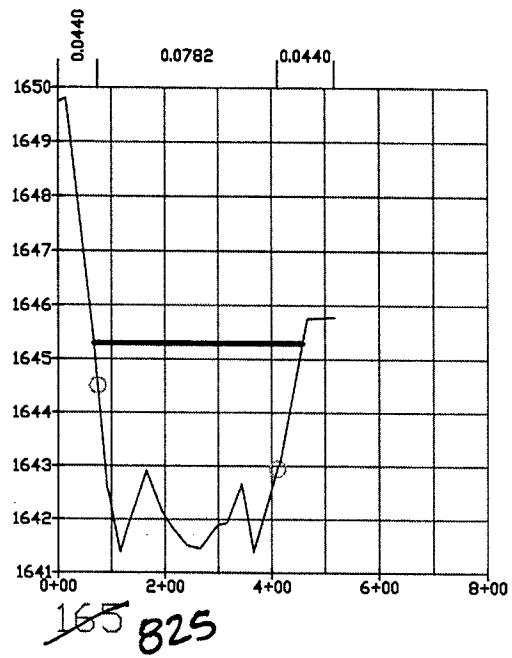
Cross-Section:	~~160~~ 820	
Elevation:	1631.01	ft MSL
Depth:	3.43	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0115	ft/ft
Froude Number:	0.3975	
Flow Regime:	Subcritical	
Flow Area:	1209.46	sq ft
Average Velocity:	4.18	ft/s
Maximum Velocity:	4.54	ft/s
Composite n:	0.0563	
Hydraulic Radius:	1.78	ft
Wetted Perimeter:	678.08	ft
Wetted Top Width:	677.98	ft
Critical Slope:	0.0729	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~160~~ 820

Entellus™

File: T3N-R7W-S31W-New-Mapping.dwg Date: 9/03/02



Normal Depth Results

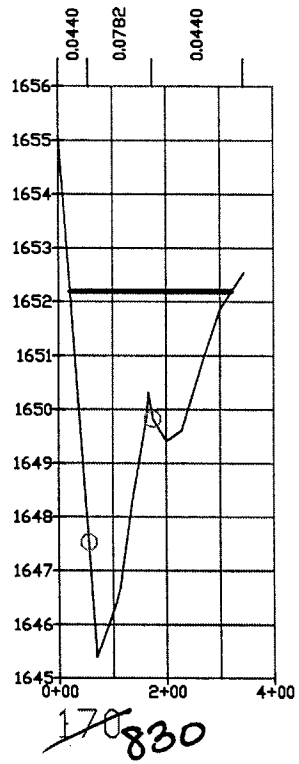
Cross-Section:	~~165~~ 825	
Elevation:	1645.30	ft MSL
Depth:	3.91	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0115	ft/ft
Froude Number:	0.395	
Flow Regime:	Subcritical	
Flow Area:	1139.82	sq ft
Average Velocity:	4.42	ft/s
Maximum Velocity:	4.44	ft/s
Composite n:	0.0739	
Hydraulic Radius:	2.91	ft
Wetted Perimeter:	391.50	ft
Wetted Top Width:	391.15	ft
Critical Slope:	0.0745	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~165~~ 825

Entellus™

File: T3N-R7W-S31W.dwg; Date: 7/12/02



Normal Depth Results

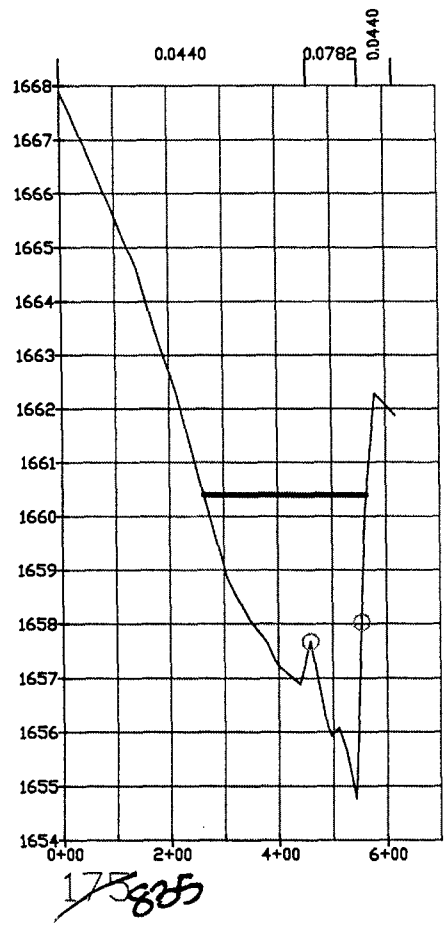
Cross-Section:	~~170~~ 830	
Elevation:	1652.19	ft MSL
Depth:	6.80	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0115	ft/ft
Froude Number:	0.3814	
Flow Regime:	Subcritical	
Flow Area:	895.03	sq ft
Average Velocity:	5.65	ft/s
Maximum Velocity:	6.34	ft/s
Composite n:	0.0587	
Hydraulic Radius:	2.97	ft
Wetted Perimeter:	301.17	ft
Wetted Top Width:	300.48	ft
Critical Slope:	0.0796	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~170~~ 830

Entellus™

File: T3N-R7W-S31W.dwg, Date: 7/12/02



Normal Depth Results

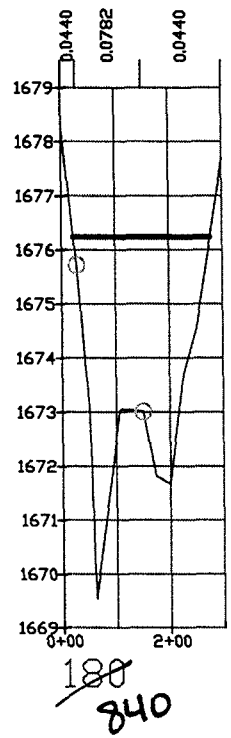
Cross-Section:	~~175~~ 835	
Elevation:	1660.40	ft MSL
Depth:	5.63	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0115	ft/ft
Froude Number:	0.4343	
Flow Regime:	Subcritical	
Flow Area:	863.78	sq ft
Average Velocity:	5.83	ft/s
Maximum Velocity:	6.32	ft/s
Composite n:	0.0559	
Hydraulic Radius:	2.86	ft
Wetted Perimeter:	302.04	ft
Wetted Top Width:	301.15	ft
Critical Slope:	0.0629	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~175~~ 835

Entellus™

File: T3N-R7W-S31W.dwg; Date: 7/12/02



Normal Depth Results

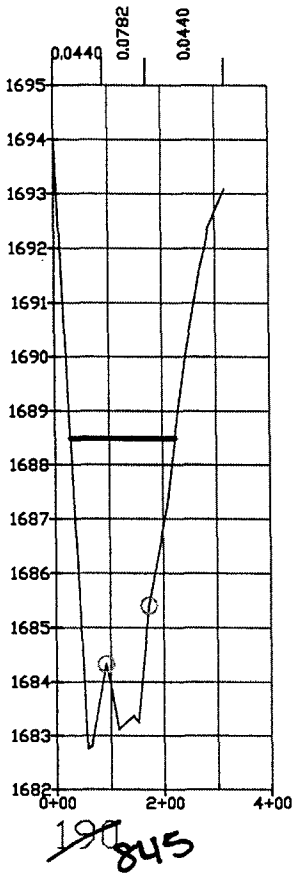
Cross-Section:	~~180~~ 840	
Elevation:	1676.24	ft MSL
Depth:	6.69	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0115	ft/ft
Froude Number:	0.4114	
Flow Regime:	Subcritical	
Flow Area:	836.66	sq ft
Average Velocity:	6.05	ft/s
Maximum Velocity:	7.45	ft/s
Composite n:	0.0616	
Hydraulic Radius:	3.27	ft
Wetted Perimeter:	255.98	ft
Wetted Top Width:	254.95	ft
Critical Slope:	0.076	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~180~~ 840

Entellus™

File: T3N-R7W-S31W.dwg, Date: 7/12/02



Normal Depth Results

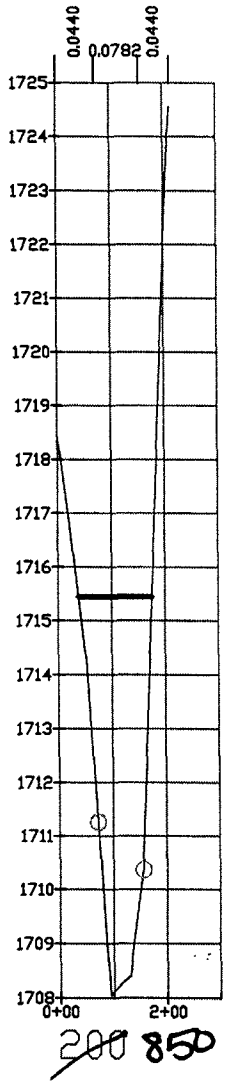
Cross-Section:	~~190~~ 845	
Elevation:	1688.49	ft MSL
Depth:	5.73	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0115	ft/ft
Froude Number:	0.5089	
Flow Regime:	Subcritical	
Flow Area:	730.62	sq ft
Average Velocity:	6.93	ft/s
Maximum Velocity:	9.18	ft/s
Composite n:	0.0593	
Hydraulic Radius:	3.74	ft
Wetted Perimeter:	195.20	ft
Wetted Top Width:	194.35	ft
Critical Slope:	0.0502	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~190~~ 845

Entellus™

File: T3N-k7W-S31W.dwg; Date: 7/12/02



Normal Depth Results

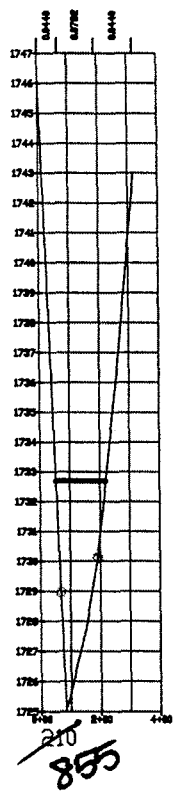
Cross-Section:	~~200~~ 850	
Elevation:	1715.45	ft MSL
Depth:	7.40	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.5007	
Flow Regime:	Subcritical	
Flow Area:	653.43	sq ft
Average Velocity:	7.72	ft/s
Maximum Velocity:	7.94	ft/s
Composite n:	0.0658	
Hydraulic Radius:	4.73	ft
Wetted Perimeter:	138.13	ft
Wetted Top Width:	136.88	ft
Critical Slope:	0.0585	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~200~~ 850

Entellus™

File: T3N-R7W-S31W.dwg, Date: 7/12/02



Normal Depth Results

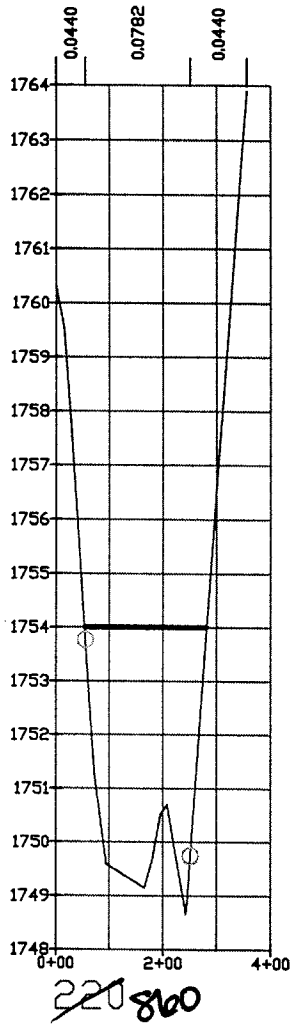
Cross-Section:	~~210~~ 855	
Elevation:	1732.70	ft MSL
Depth:	7.63	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4386	
Flow Regime:	Subcritical	
Flow Area:	734.96	sq ft
Average Velocity:	6.87	ft/s
Maximum Velocity:	7.02	ft/s
Composite n:	0.0701	
Hydraulic Radius:	4.37	ft
Wetted Perimeter:	168.29	ft
Wetted Top Width:	167.08	ft
Critical Slope:	0.0762	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~210~~ 855

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

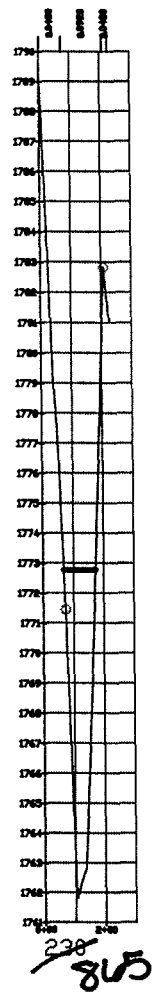
Cross-Section:	~~220~~ 860	
Elevation:	1754.01	ft MSL
Depth:	5.35	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4478	
Flow Regime:	Subcritical	
Flow Area:	859.86	sq ft
Average Velocity:	5.88	ft/s
Maximum Velocity:	6.68	ft/s
Composite n:	0.0738	
Hydraulic Radius:	3.76	ft
Wetted Perimeter:	228.44	ft
Wetted Top Width:	227.71	ft
Critical Slope:	0.0722	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~220~~ 860

Entellus™

File: T3N-R7W-S31W.dwg, Date: 7/12/02



Normal Depth Results

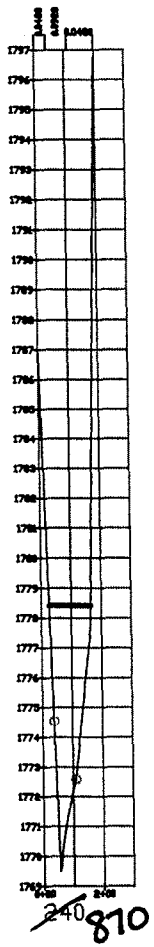
Cross-Section:	~~230~~ 865	
Elevation:	1772.78	ft MSL
Depth:	10.96	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.374	
Flow Regime:	Subcritical	
Flow Area:	719.08	sq ft
Average Velocity:	7.02	ft/s
Maximum Velocity:	7.04	ft/s
Composite n:	0.0901	
Hydraulic Radius:	6.61	ft
Wetted Perimeter:	108.87	ft
Wetted Top Width:	105.97	ft
Critical Slope:	0.1042	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~230~~ 865

Entellus™

File: T3N-R7W-S31W.dwg, Date: 7/12/02



Normal Depth Results

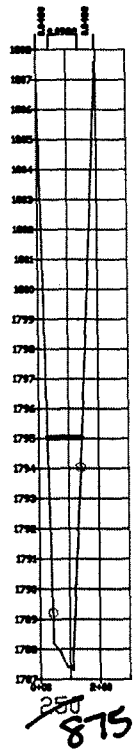
Cross-Section:	~~240~~ 870	
Elevation:	1778.43	ft MSL
Depth:	8.91	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4292	
Flow Regime:	Subcritical	
Flow Area:	694.98	sq ft
Average Velocity:	7.27	ft/s
Maximum Velocity:	8.09	ft/s
Composite n:	0.0718	
Hydraulic Radius:	4.94	ft
Wetted Perimeter:	140.55	ft
Wetted Top Width:	138.65	ft
Critical Slope:	0.0791	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~240~~ 870

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

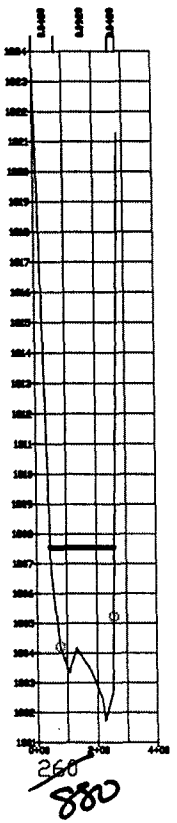
Cross-Section:	~~250~~ 875	
Elevation:	1795.03	ft MSL
Depth:	7.73	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4177	
Flow Regime:	Subcritical	
Flow Area:	645.24	sq ft
Average Velocity:	6.59	ft/s
Maximum Velocity:	7.19	ft/s
Composite n:	0.0855	
Hydraulic Radius:	5.55	ft
Wetted Perimeter:	116.31	ft
Wetted Top Width:	114.06	ft
Critical Slope:	0.0834	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~250~~ 875

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

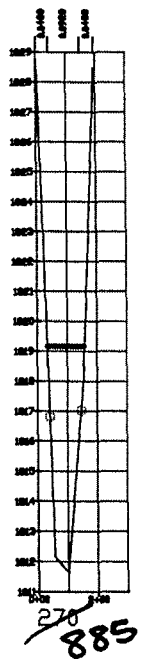
Cross-Section:	~~260~~ 880	
Elevation:	1807.55	ft MSL
Depth:	5.81	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.3764	
Flow Regime:	Subcritical	
Flow Area:	826.15	sq ft
Average Velocity:	5.13	ft/s
Maximum Velocity:	5.73	ft/s
Composite n:	0.0855	
Hydraulic Radius:	3.84	ft
Wetted Perimeter:	215.41	ft
Wetted Top Width:	213.65	ft
Critical Slope:	0.1025	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~260~~ 880

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

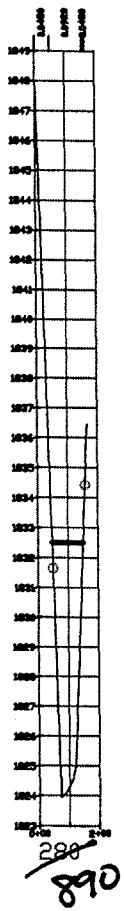
Cross-Section:	~~270~~ 885	
Elevation:	1819.17	ft MSL
Depth:	7.53	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.4295	
Flow Regime:	Subcritical	
Flow Area:	635.89	sq ft
Average Velocity:	6.68	ft/s
Maximum Velocity:	6.76	ft/s
Composite n:	0.0859	
Hydraulic Radius:	5.06	ft
Wetted Perimeter:	125.73	ft
Wetted Top Width:	124.16	ft
Critical Slope:	0.0927	ft/ft

File: T3N-R7W-S31W.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~270~~ 885

Entellus™



Normal Depth Results

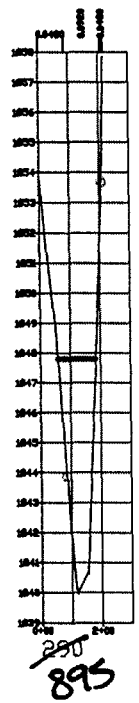
Cross-Section:	~~280~~ 890	
Elevation:	1832.50	ft MSL
Depth:	8.55	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.4162	
Flow Regime:	Subcritical	
Flow Area:	615.51	sq ft
Average Velocity:	6.91	ft/s
Maximum Velocity:	6.92	ft/s
Composite n:	0.091	
Hydraulic Radius:	5.84	ft
Wetted Perimeter:	105.39	ft
Wetted Top Width:	103.01	ft
Critical Slope:	0.0976	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~280~~ 890

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

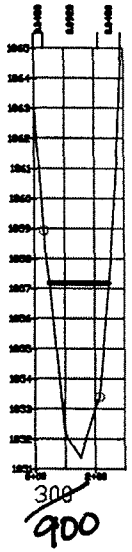
Cross-Section:	~~290~~ 895	
Elevation:	1847.81	ft MSL
Depth:	7.86	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.4233	
Flow Regime:	Subcritical	
Flow Area:	631.23	sq ft
Average Velocity:	6.72	ft/s
Maximum Velocity:	6.77	ft/s
Composite n:	0.0832	
Hydraulic Radius:	4.93	ft
Wetted Perimeter:	127.98	ft
Wetted Top Width:	126.62	ft
Critical Slope:	0.0941	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~290~~ 895

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

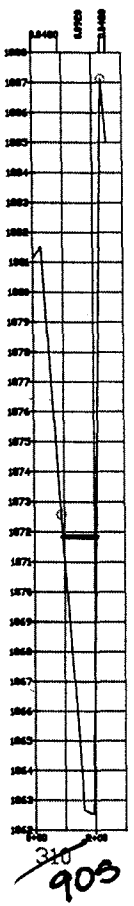
Cross-Section:	~~300~~ 900	
Elevation:	1857.18	ft MSL
Depth:	5.81	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.4051	
Flow Regime:	Subcritical	
Flow Area:	767.32	sq ft
Average Velocity:	5.55	ft/s
Maximum Velocity:	6.10	ft/s
Composite n:	0.0856	
Hydraulic Radius:	3.86	ft
Wetted Perimeter:	199.00	ft
Wetted Top Width:	198.50	ft
Critical Slope:	0.1022	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~300~~ 900

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

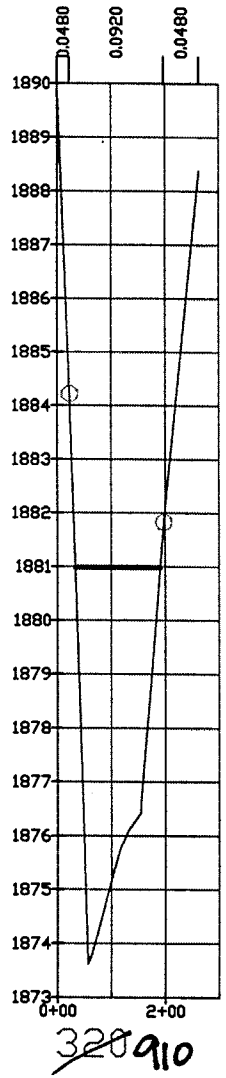
Cross-Section:	~~310~~ 905	
Elevation:	1871.85	ft MSL
Depth:	9.30	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.3809	
Flow Regime:	Subcritical	
Flow Area:	645.06	sq ft
Average Velocity:	6.59	ft/s
Maximum Velocity:	6.59	ft/s
Composite n:	0.092	
Hydraulic Radius:	5.57	ft
Wetted Perimeter:	115.84	ft
Wetted Top Width:	112.24	ft
Critical Slope:	0.1155	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~310~~ 905

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

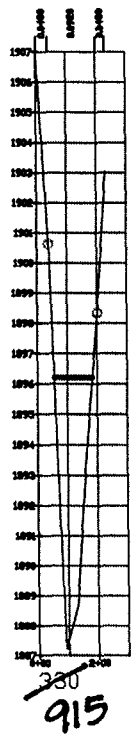
Cross-Section:	~~320~~ 910	
Elevation:	1880.99	ft MSL
Depth:	7.37	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.3773	
Flow Regime:	Subcritical	
Flow Area:	731.64	sq ft
Average Velocity:	5.80	ft/s
Maximum Velocity:	5.80	ft/s
Composite n:	0.092	
Hydraulic Radius:	4.6	ft
Wetted Perimeter:	159.16	ft
Wetted Top Width:	157.71	ft
Critical Slope:	0.1182	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~320~~ 910

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

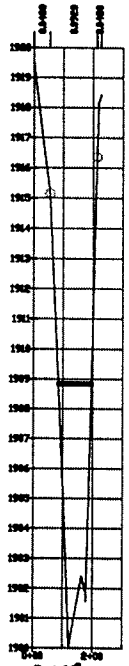
Cross-Section:	~~330~~ 915	
Elevation:	1896.22	ft MSL
Depth:	8.99	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.3717	
Flow Regime:	Subcritical	
Flow Area:	672.11	sq ft
Average Velocity:	6.32	ft/s
Maximum Velocity:	6.32	ft/s
Composite n:	0.092	
Hydraulic Radius:	5.22	ft
Wetted Perimeter:	128.78	ft
Wetted Top Width:	127.10	ft
Critical Slope:	0.1218	ft/ft

File: T3N-R7W-S31W.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~330~~ 915

Entellus™



~~340~~ 920

Normal Depth Results

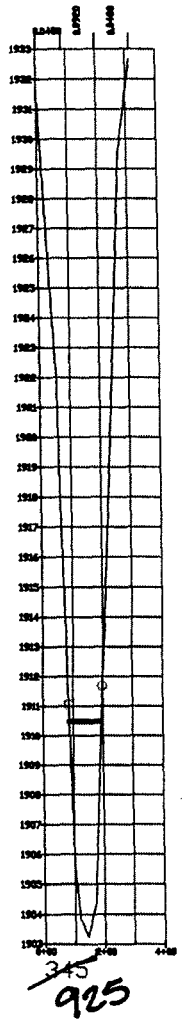
Cross-Section:	~~340~~ 920	
Elevation:	1908.84	ft MSL
Depth:	8.81	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.3953	
Flow Regime:	Subcritical	
Flow Area:	638.41	sq ft
Average Velocity:	6.66	ft/s
Maximum Velocity:	6.66	ft/s
Composite n:	0.092	
Hydraulic Radius:	5.65	ft
Wetted Perimeter:	113.03	ft
Wetted Top Width:	110.38	ft
Critical Slope:	0.1074	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~340~~ 920

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

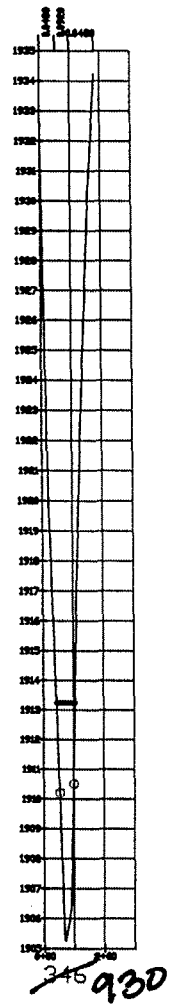
Cross-Section:	~~345~~ 925	
Elevation:	1910.48	ft MSL
Depth:	7.23	ft
Discharge:	3500.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.4097	
Flow Regime:	Subcritical	
Flow Area:	559.92	sq ft
Average Velocity:	6.26	ft/s
Maximum Velocity:	6.26	ft/s
Composite n:	0.092	
Hydraulic Radius:	5.14	ft
Wetted Perimeter:	108.84	ft
Wetted Top Width:	107.13	ft
Critical Slope:	0.0999	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~345~~ 925

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

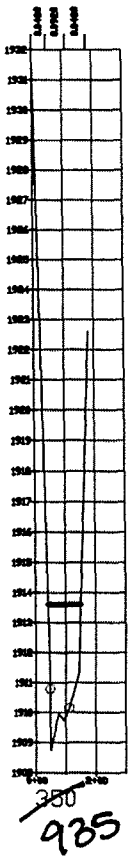
Cross-Section:	~~346~~ 930	
Elevation:	1913.24	ft MSL
Depth:	7.97	ft
Discharge:	2130.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.4267	
Flow Regime:	Subcritical	
Flow Area:	311.66	sq ft
Average Velocity:	6.84	ft/s
Maximum Velocity:	6.99	ft/s
Composite n:	0.0818	
Hydraulic Radius:	4.86	ft
Wetted Perimeter:	64.16	ft
Wetted Top Width:	61.41	ft
Critical Slope:	0.0939	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~346~~ 930

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results ~~350~~ 935

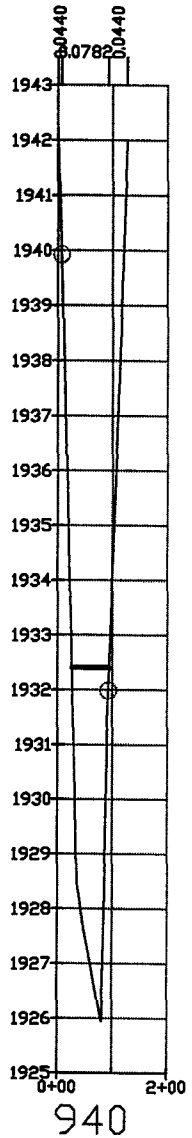
Cross-Section:		
Elevation:	1913.61	ft MSL
Depth:	4.84	ft
Discharge:	2130.00	cfs
Energy Gradient:	0.0168	ft/ft
Froude Number:	0.4691	
Flow Regime:	Subcritical	
Flow Area:	363.71	sq ft
Average Velocity:	5.84	ft/s
Maximum Velocity:	7.55	ft/s
Composite n:	0.0752	
Hydraulic Radius:	3.26	ft
Wetted Perimeter:	111.62	ft
Wetted Top Width:	109.64	ft
Critical Slope:	0.0823	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–~~350~~ 935

Entellus™

File: T3N-R7W-S31W.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	940	
Elevation:	1932.41	ft MSL
Depth:	6.46	ft
Discharge:	1960.00	cfs
Energy Gradient:	0.0171	ft/ft
Froude Number:	0.4544	
Flow Regime:	Subcritical	
Flow Area:	299.12	sq ft
Average Velocity:	6.57	ft/s
Maximum Velocity:	6.57	ft/s
Composite n:	0.0775	
Hydraulic Radius:	4.2	ft
Wetted Perimeter:	71.29	ft
Wetted Top Width:	68.92	ft
Critical Slope:	0.0832	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S31W–940

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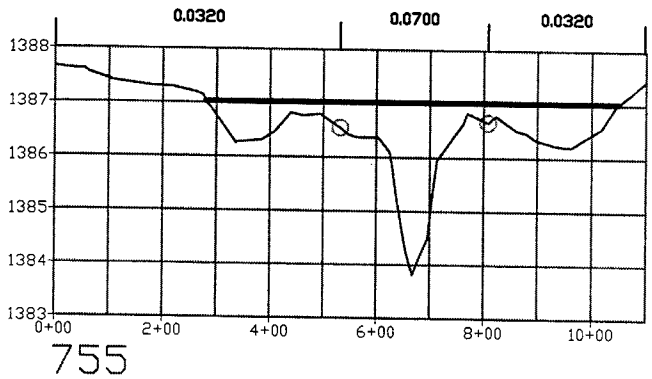
File: T3N-R7W-S31W.dwg Date: 07/12/02

T3N-R7W-S32



Normal Depth Results

Cross-Section:	755	
Elevation:	1387.02	ft MSL
Depth:	3.20	ft
Discharge:	1500.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.2649	
Flow Regime:	Subcritical	
Flow Area:	557.56	sq ft
Average Velocity:	2.70	ft/s
Maximum Velocity:	3.25	ft/s
Composite n:	0.0473	
Hydraulic Radius:	0.72	ft
Wetted Perimeter:	771.23	ft
Wetted Top Width:	771.07	ft
Critical Slope:	0.1606	ft/ft

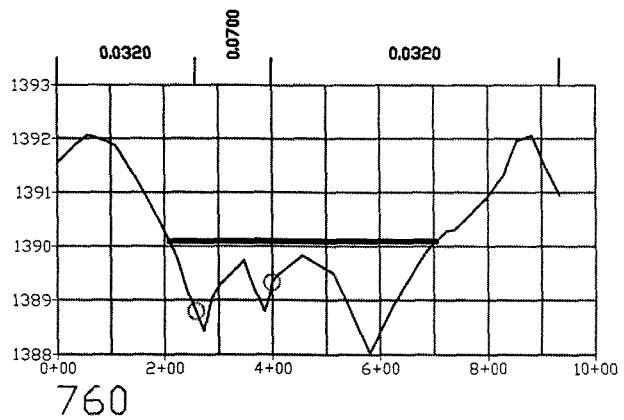
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–755

Entellus™

File: T3N-R7W-S32.dwg Date: 5/16/02



Normal Depth Results

Cross-Section:	760	
Elevation:	1390.09	ft MSL
Depth:	2.06	ft
Discharge:	1500.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4411	
Flow Regime:	Subcritical	
Flow Area:	417.34	sq ft
Average Velocity:	3.60	ft/s
Maximum Velocity:	4.35	ft/s
Composite n:	0.0444	
Hydraulic Radius:	0.84	ft
Wetted Perimeter:	495.58	ft
Wetted Top Width:	495.48	ft
Critical Slope:	0.0743	ft/ft

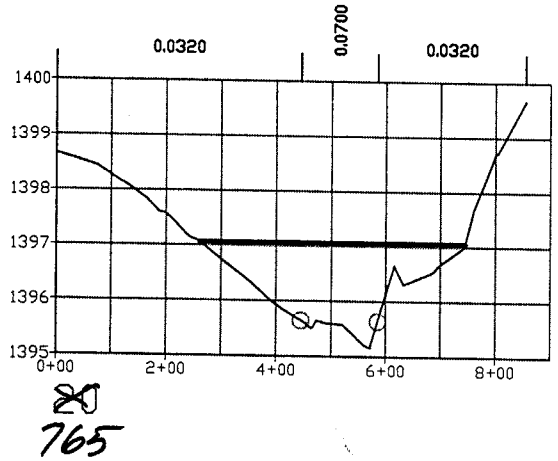
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–760

Entellus™

File: T3N-R7W-S32.dwg, Date: 5/16/02



Normal Depth Results

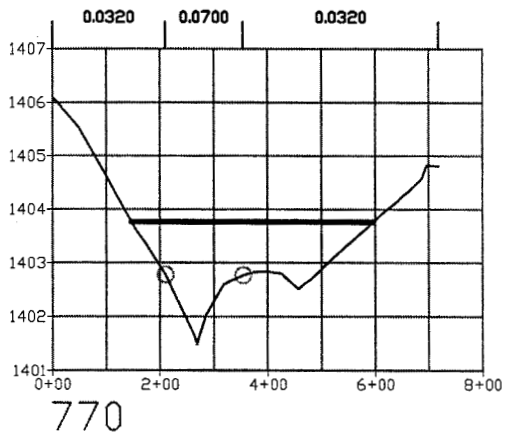
Cross-Section:	~~20~~ 765	
Elevation:	1397.06	ft MSL
Depth:	1.90	ft
Discharge:	1500.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4318	
Flow Regime:	Subcritical	
Flow Area:	443.94	sq ft
Average Velocity:	3.36	ft/s
Maximum Velocity:	3.97	ft/s
Composite n:	0.0446	
Hydraulic Radius:	0.92	ft
Wetted Perimeter:	484.53	ft
Wetted Top Width:	484.48	ft
Critical Slope:	0.0617	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~20~~ 765

Entellus™

File: T3N-R7W-S32.dwg Date: 9/03/02



Normal Depth Results

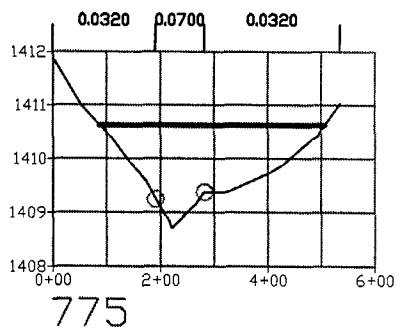
Cross-Section:	770	
Elevation:	1403.77	ft MSL
Depth:	2.28	ft
Discharge:	1500.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4015	
Flow Regime:	Subcritical	
Flow Area:	436.36	sq ft
Average Velocity:	3.47	ft/s
Maximum Velocity:	4.16	ft/s
Composite n:	0.0458	
Hydraulic Radius:	0.97	ft
Wetted Perimeter:	449.75	ft
Wetted Top Width:	449.71	ft
Critical Slope:	0.0723	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–770

Entellus™

File: T3N-k7W-S32.dwg, Date: 5/16/02



Normal Depth Results

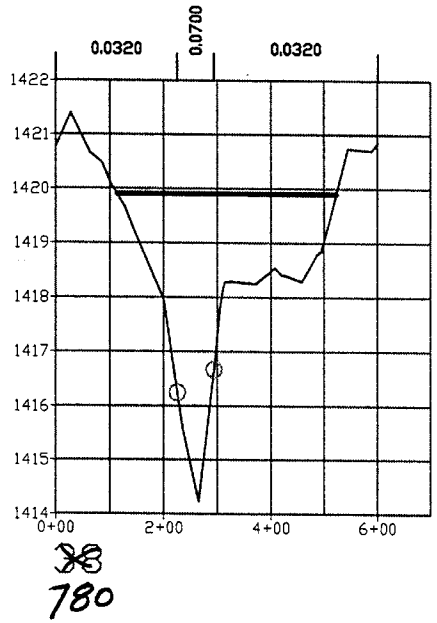
Cross-Section:	775	
Elevation:	1410.63	ft MSL
Depth:	1.92	ft
Discharge:	1500.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4753	
Flow Regime:	Subcritical	
Flow Area:	401.66	sq ft
Average Velocity:	3.76	ft/s
Maximum Velocity:	4.35	ft/s
Composite n:	0.0416	
Hydraulic Radius:	0.96	ft
Wetted Perimeter:	420.09	ft
Wetted Top Width:	420.06	ft
Critical Slope:	0.0511	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–775

Entellus™

File: T3N-R7W-S32.dwg, Date: 5/16/02



Normal Depth Results

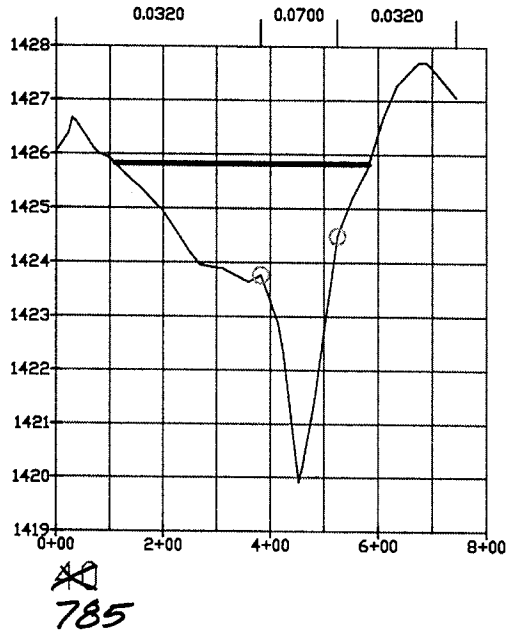
Cross-Section:	~~38~~ 780	
Elevation:	1419.91	ft MSL
Depth:	5.68	ft
Discharge:	5010.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4606	
Flow Regime:	Subcritical	
Flow Area:	804.70	sq ft
Average Velocity:	6.19	ft/s
Maximum Velocity:	6.29	ft/s
Composite n:	0.0395	
Hydraulic Radius:	1.96	ft
Wetted Perimeter:	409.97	ft
Wetted Top Width:	409.64	ft
Critical Slope:	0.0524	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~38~~780

Entellus™

File: T3N-R7W-S32.dwg Date: 8/19/02



Normal Depth Results

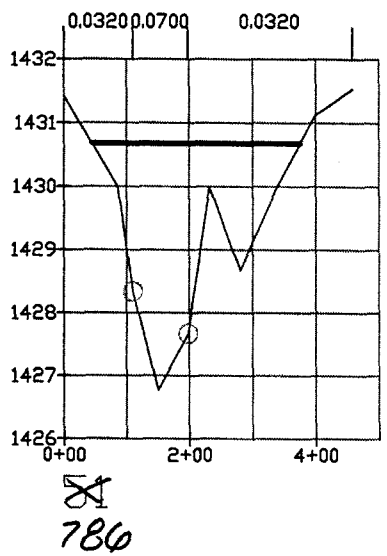
Cross-Section:	~~70~~ 785	
Elevation:	1425.82	ft MSL
Depth:	5.91	ft
Discharge:	5010.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.3948	
Flow Regime:	Subcritical	
Flow Area:	920.00	sq ft
Average Velocity:	5.47	ft/s
Maximum Velocity:	5.91	ft/s
Composite n:	0.0451	
Hydraulic Radius:	1.94	ft
Wetted Perimeter:	473.43	ft
Wetted Top Width:	473.12	ft
Critical Slope:	0.0718	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~70~~ 785

Entellus™

File: T3N-R7W-S32.dwg Date: 7/12/02



Normal Depth Results

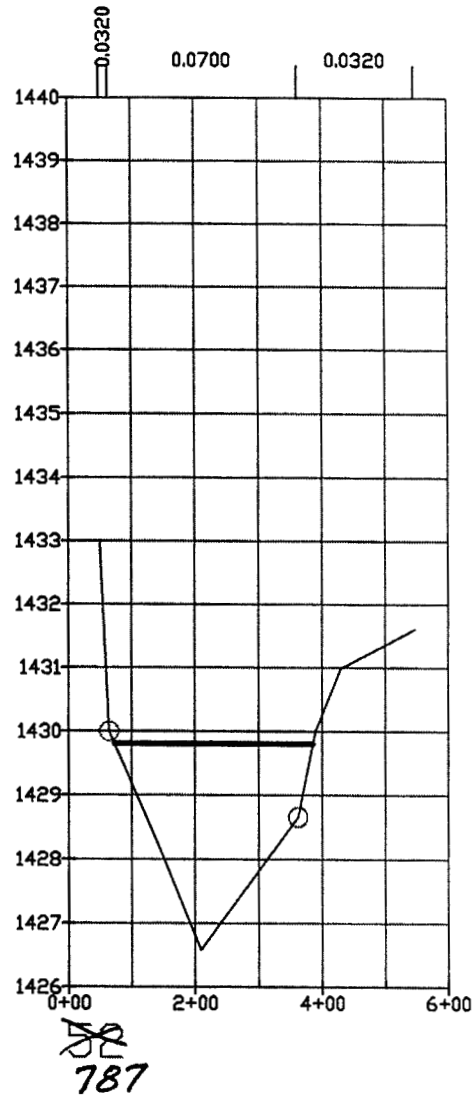
Cross-Section:	~~84~~ 786	
Elevation:	1430.68	ft MSL
Depth:	3.91	ft
Discharge:	2886.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4596	
Flow Regime:	Subcritical	
Flow Area:	559.76	sq ft
Average Velocity:	5.14	ft/s
Maximum Velocity:	5.62	ft/s
Composite n:	0.0436	
Hydraulic Radius:	1.69	ft
Wetted Perimeter:	330.89	ft
Wetted Top Width:	330.67	ft
Critical Slope:	0.0535	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~84~~ 786

Entellus™

File: T3N-R7W-S32-New-Mapping.dwg Date: 9/03/02



Normal Depth Results

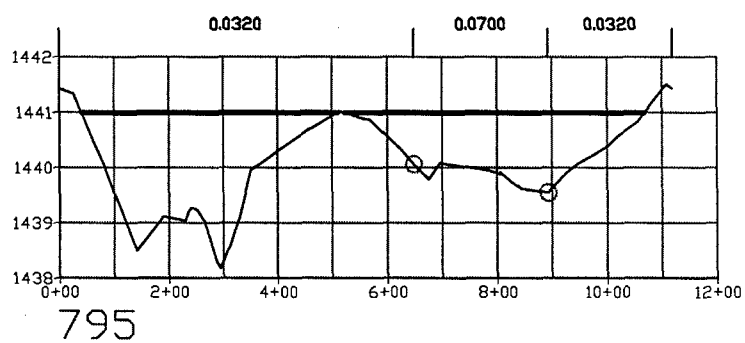
Cross-Section:	~~52~~ 787	
Elevation:	1429.81	ft MSL
Depth:	3.23	ft
Discharge:	1924.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.3346	
Flow Regime:	Subcritical	
Flow Area:	564.31	sq ft
Average Velocity:	3.43	ft/s
Maximum Velocity:	3.43	ft/s
Composite n:	0.0675	
Hydraulic Radius:	1.8	ft
Wetted Perimeter:	313.04	ft
Wetted Top Width:	312.96	ft
Critical Slope:	0.0973	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~52~~ 787

Entellus™

File: T3N-R7W-S32-New-Mapping.dwg, Date: 9/03/02



Normal Depth Results

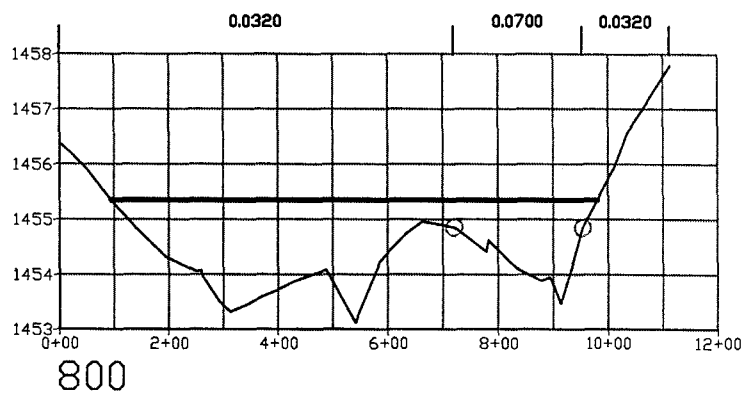
Cross-Section:	795	
Elevation:	1440.99	ft MSL
Depth:	2.81	ft
Discharge:	4810.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.4689	
Flow Regime:	Subcritical	
Flow Area:	1078.59	sq ft
Average Velocity:	4.43	ft/s
Maximum Velocity:	5.34	ft/s
Composite n:	0.0426	
Hydraulic Radius:	1.07	ft
Wetted Perimeter:	1012.42	ft
Wetted Top Width:	1012.32	ft
Critical Slope:	0.068	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–795

Entellus™

File: T3N-R7W-S32.dwg Date: 07/12/02



Normal Depth Results

Cross-Section:	800	
Elevation:	1455.35	ft MSL
Depth:	2.23	ft
Discharge:	4810.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.5566	
Flow Regime:	Subcritical	
Flow Area:	1019.71	sq ft
Average Velocity:	4.72	ft/s
Maximum Velocity:	5.54	ft/s
Composite n:	0.0435	
Hydraulic Radius:	1.15	ft
Wetted Perimeter:	885.49	ft
Wetted Top Width:	885.40	ft
Critical Slope:	0.0508	ft/ft

File: T3N-R7W-S32.dwg Date: 07/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–800

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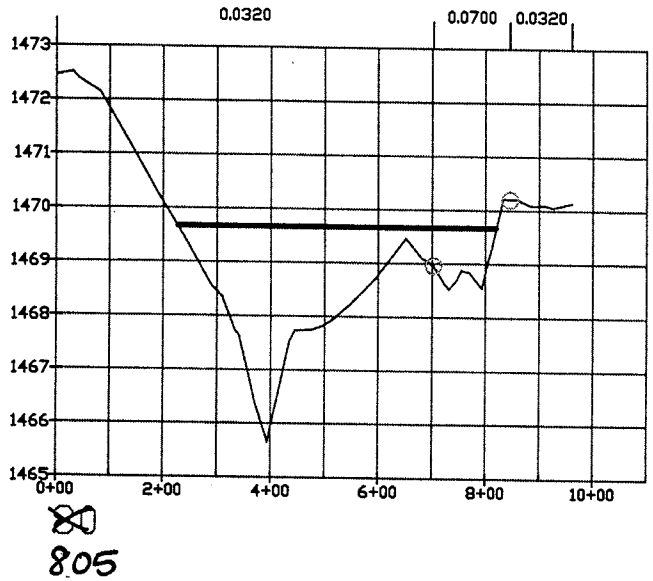


Normal Depth Results

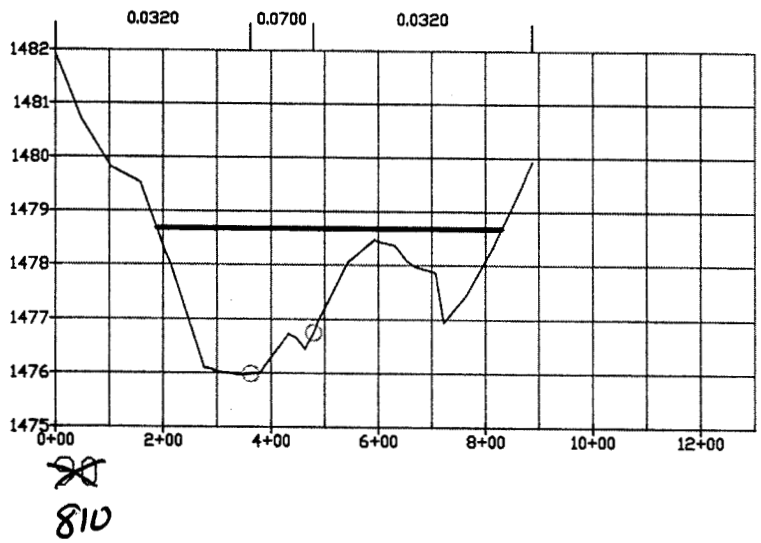
Cross-Section:	~~80~~ 805	
Elevation:	1469.67	ft MSL
Depth:	4.03	ft
Discharge:	4810.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.5167	
Flow Regime:	Subcritical	
Flow Area:	817.70	sq ft
Average Velocity:	5.89	ft/s
Maximum Velocity:	6.42	ft/s
Composite n:	0.0408	
Hydraulic Radius:	1.38	ft
Wetted Perimeter:	593.11	ft
Wetted Top Width:	592.97	ft
Critical Slope:	0.0634	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~80~~ 805

Entellus™

File: T3N-K7W-S32.dwg; Date: 7/12/02



Normal Depth Results

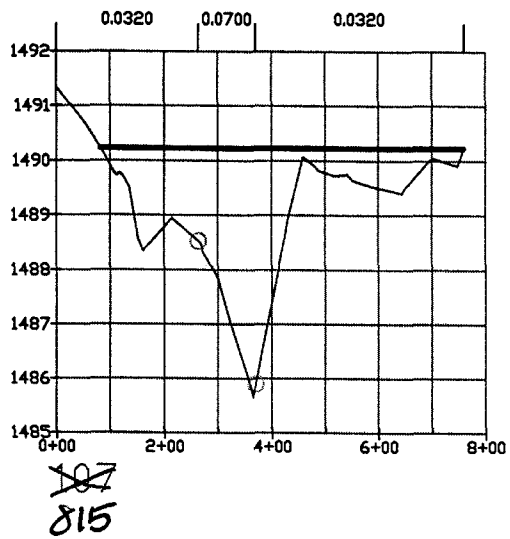
Cross-Section:	~~90~~ 810	
Elevation:	1478.68	ft MSL
Depth:	2.71	ft
Discharge:	4810.00	cfs
Energy Gradient:	0.011	ft/ft
Froude Number:	0.5801	
Flow Regime:	Subcritical	
Flow Area:	888.09	sq ft
Average Velocity:	5.42	ft/s
Maximum Velocity:	7.62	ft/s
Composite n:	0.0401	
Hydraulic Radius:	1.38	ft
Wetted Perimeter:	641.91	ft
Wetted Top Width:	641.81	ft
Critical Slope:	0.0411	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~90~~ 810

Entellus™

File: T3N-R7W-S32.dwg, Date: 7/12/02



Normal Depth Results

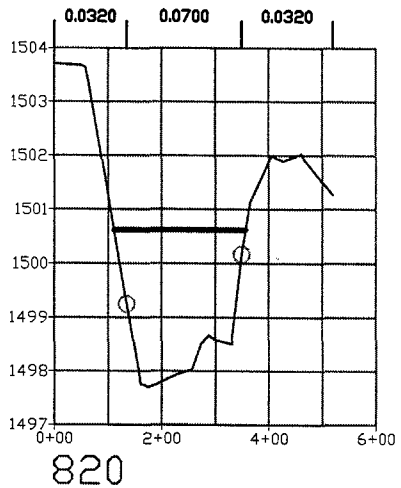
Cross-Section:	~~107~~ 815	
Elevation:	1490.23	ft MSL
Depth:	4.57	ft
Discharge:	4390.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.4129	
Flow Regime:	Subcritical	
Flow Area:	876.40	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	5.69	ft/s
Composite n:	0.0391	
Hydraulic Radius:	1.29	ft
Wetted Perimeter:	678.42	ft
Wetted Top Width:	678.21	ft
Critical Slope:	0.072	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~107~~ 815

Entellus™

File: T3N-R7W-S32.dwg Date: 7/12/02



Normal Depth Results

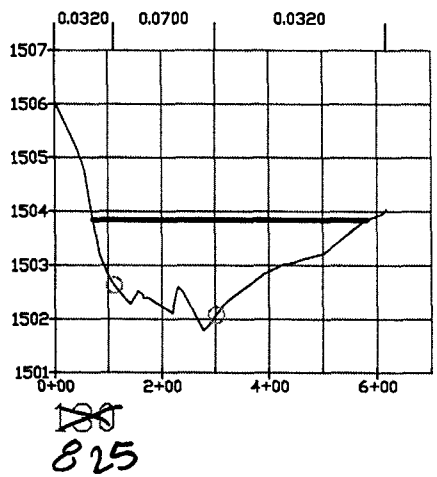
Cross-Section:	820	
Elevation:	1500.62	ft MSL
Depth:	2.91	ft
Discharge:	2110.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.4206	
Flow Regime:	Subcritical	
Flow Area:	518.16	sq ft
Average Velocity:	4.09	ft/s
Maximum Velocity:	4.10	ft/s
Composite n:	0.0658	
Hydraulic Radius:	2.11	ft
Wetted Perimeter:	245.51	ft
Wetted Top Width:	245.33	ft
Critical Slope:	0.0675	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–820

Entellus™

File: T3N-R7W-S32.dwg, Date: 5/16/02



Normal Depth Results

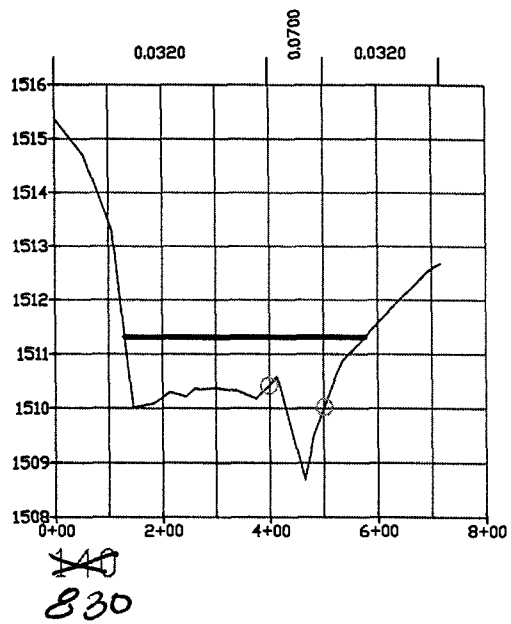
Cross-Section:	~~130~~ 825	
Elevation:	1503.84	
Depth:	2.05	ft
Discharge:	2110.00	cfs
Energy Gradient:	0.012	
Froude Number:	0.4627	
Flow Regime:	Subcritical	
Flow Area:	560.85	
Average Velocity:	3.76	
Maximum Velocity:	4.49	
Composite n:	0.0479	
Hydraulic Radius:	1.1	ft
Wetted Perimeter:	511.15	ft
Wetted Top Width:	511.09	ft
Critical Slope:	0.0603	

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~130~~ 825

Entellus™

File: T3N-R7W-S32.dwg Date: 7/12/02



Normal Depth Results

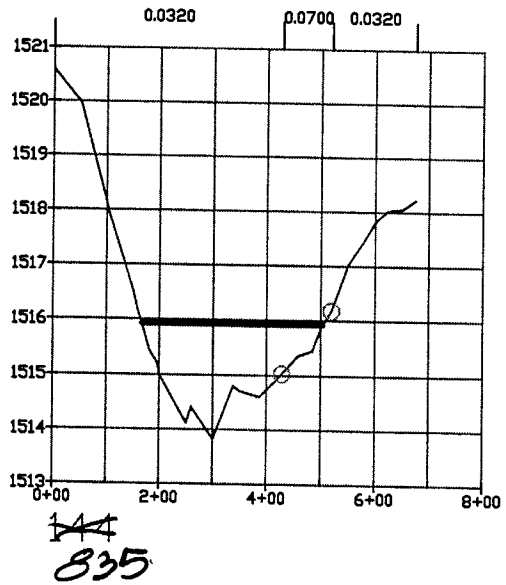
Cross-Section:	~~740~~ 830	
Elevation:	1511.32	ft MSL
Depth:	2.63	ft
Discharge:	2110.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.477	
Flow Regime:	Subcritical	
Flow Area:	481.12	sq ft
Average Velocity:	4.37	ft/s
Maximum Velocity:	5.22	ft/s
Composite n:	0.0421	
Hydraulic Radius:	1.08	ft
Wetted Perimeter:	446.99	ft
Wetted Top Width:	446.86	ft
Critical Slope:	0.0614	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~740~~ 830

Entellus™

File: T3N-k7W-s32.dwg, Date: 7/12/02



Normal Depth Results

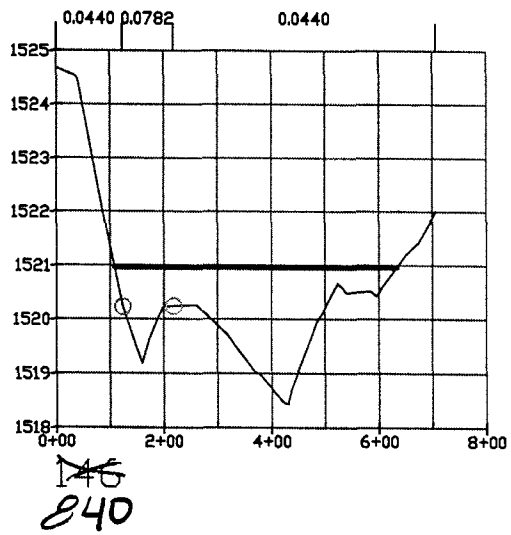
Cross-Section:	~~144~~ 835	
Elevation:	1515.92	ft MSL
Depth:	2.09	ft
Discharge:	2110.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.678	
Flow Regime:	Subcritical	
Flow Area:	379.29	sq ft
Average Velocity:	5.59	ft/s
Maximum Velocity:	6.07	ft/s
Composite n:	0.0419	
Hydraulic Radius:	1.12	ft
Wetted Perimeter:	337.26	ft
Wetted Top Width:	337.20	ft
Critical Slope:	0.0457	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~144~~ 835

Entellus™

File: T3N-R7W-S32.dwg, Date: 7/12/02



Normal Depth Results

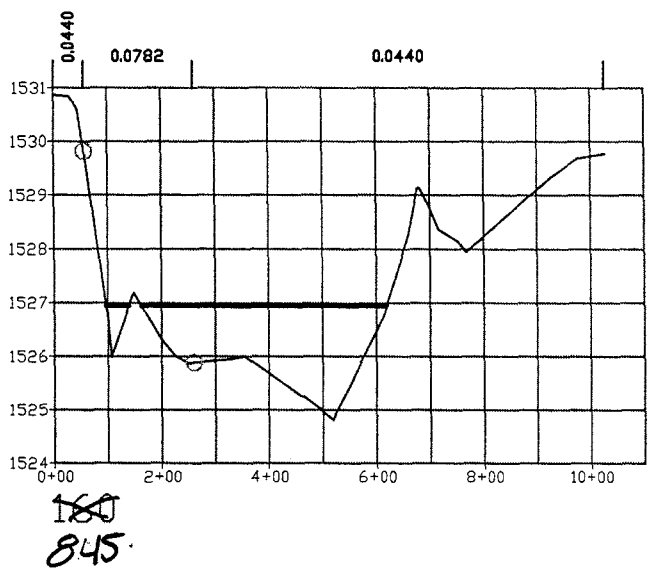
Cross-Section:	~~146~~ 840	
Elevation:	1520.97	ft MSL
Depth:	2.53	ft
Discharge:	2110.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.404	
Flow Regime:	Subcritical	
Flow Area:	579.31	sq ft
Average Velocity:	3.67	ft/s
Maximum Velocity:	4.01	ft/s
Composite n:	0.0509	
Hydraulic Radius:	1.1	ft
Wetted Perimeter:	525.25	ft
Wetted Top Width:	525.15	ft
Critical Slope:	0.0834	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~146~~ 840

Entellus™

File: T3N-R7W-S32.dwg Date: 7/12/02



Normal Depth Results

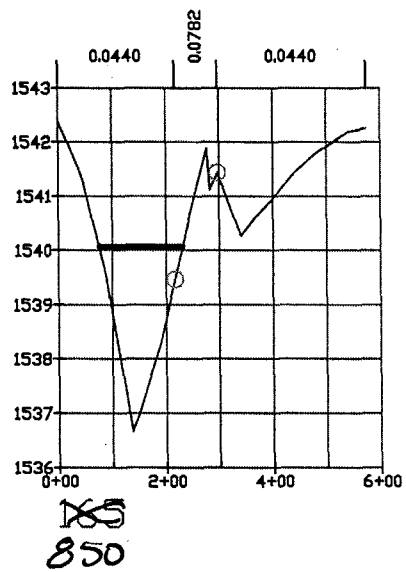
Cross-Section:	~~180~~ 845	
Elevation:	1526.95	ft MSL
Depth:	2.14	ft
Discharge:	2110.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.4682	
Flow Regime:	Subcritical	
Flow Area:	543.43	sq ft
Average Velocity:	3.90	ft/s
Maximum Velocity:	4.35	ft/s
Composite n:	0.0546	
Hydraulic Radius:	1.09	ft
Wetted Perimeter:	499.45	ft
Wetted Top Width:	499.35	ft
Critical Slope:	0.0826	ft/ft

File: T3N-R7W-S32.dwg; Date: 8/19/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~180~~ 845

Entellus™



Normal Depth Results

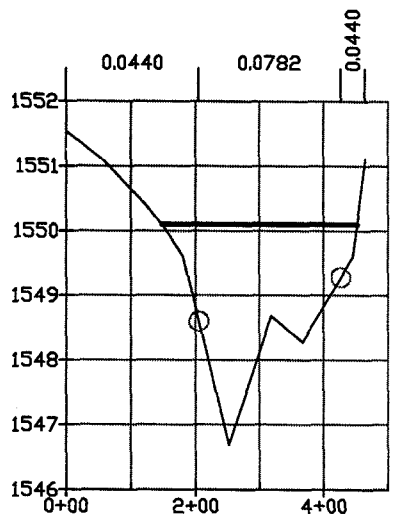
Cross-Section:	~~185~~ 850	
Elevation:	1540.07	ft MSL
Depth:	3.41	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.5329	
Flow Regime:	Subcritical	
Flow Area:	273.89	sq ft
Average Velocity:	5.62	ft/s
Maximum Velocity:	5.69	ft/s
Composite n:	0.0475	
Hydraulic Radius:	1.75	ft
Wetted Perimeter:	156.07	ft
Wetted Top Width:	155.91	ft
Critical Slope:	0.0529	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~185~~ 850

Entellus™

File: T3N-R7W-S32.dwg; Date: 7/12/02



~~170~~ 853

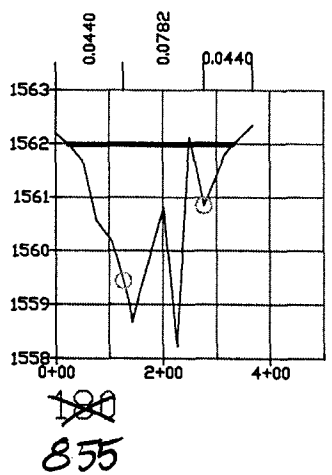
Normal Depth Results

Cross-Section:	~~170~~ 853	
Elevation:	1550.10	ft MSL
Depth:	3.41	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.3048	
Flow Regime:	Subcritical	
Flow Area:	479.18	sq ft
Average Velocity:	3.19	ft/s
Maximum Velocity:	3.26	ft/s
Composite n:	0.0697	
Hydraulic Radius:	1.57	ft
Wetted Perimeter:	304.74	ft
Wetted Top Width:	304.61	ft
Critical Slope:	0.1314	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~170~~ 853

File: T3N-R7W-S32-New-Mapping.dwg Date: 10/22/02



Normal Depth Results

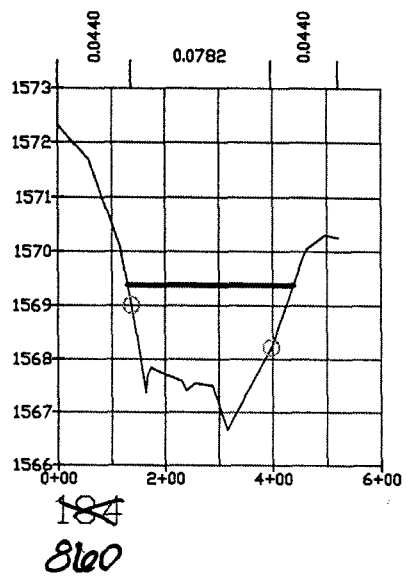
Cross-Section:	~~180~~ 855	
Elevation:	1561.99	ft MSL
Depth:	3.76	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.3161	
Flow Regime:	Subcritical	
Flow Area:	440.20	sq ft
Average Velocity:	3.47	ft/s
Maximum Velocity:	4.11	ft/s
Composite n:	0.0617	
Hydraulic Radius:	1.45	ft
Wetted Perimeter:	303.18	ft
Wetted Top Width:	302.59	ft
Critical Slope:	0.1261	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~180~~ 855

Entellus™

File: T3N-R7W-S32.dwg; Date: 7/12/02



Normal Depth Results

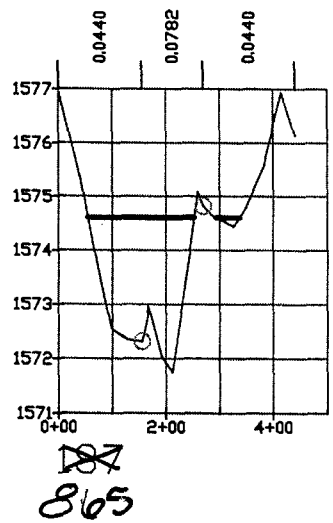
Cross-Section:	~~184~~ 860	
Elevation:	1569.38	ft MSL
Depth:	2.71	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.3295	
Flow Regime:	Subcritical	
Flow Area:	496.90	sq ft
Average Velocity:	3.07	ft/s
Maximum Velocity:	3.10	ft/s
Composite n:	0.0734	
Hydraulic Radius:	1.61	ft
Wetted Perimeter:	308.43	ft
Wetted Top Width:	308.31	ft
Critical Slope:	0.1122	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~184~~ 860

Entellus™

File: T3N-R7W-S32.dwg Date: 7/12/02



Normal Depth Results

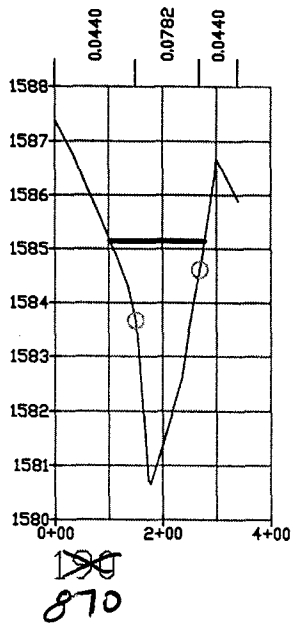
Cross-Section:	~~187~~ 865	
Elevation:	1574.61	ft MSL
Depth:	2.86	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.4348	
Flow Regime:	Subcritical	
Flow Area:	366.83	sq ft
Average Velocity:	4.20	ft/s
Maximum Velocity:	5.31	ft/s
Composite n:	0.0589	
Hydraulic Radius:	1.51	ft
Wetted Perimeter:	242.60	ft
Wetted Top Width:	242.41	ft
Critical Slope:	0.0829	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~187~~ 865

Entellus™

File: T3N-R7W-S32.dwg; Date: 7/12/02



Normal Depth Results

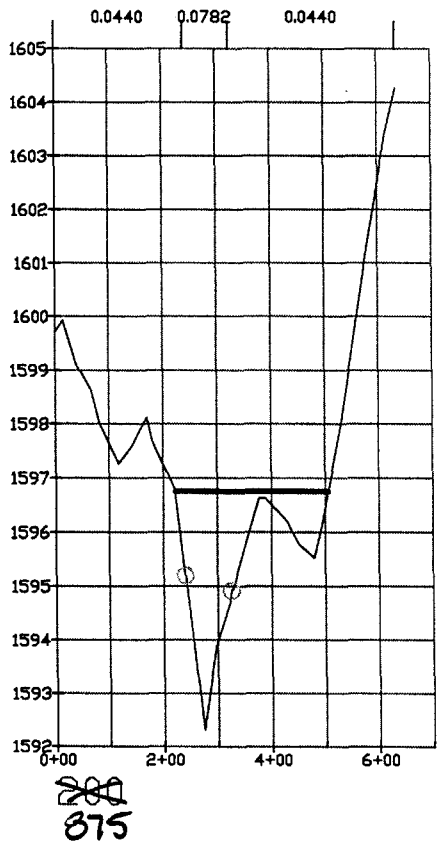
Cross-Section:	~~190~~ 870	
Elevation:	1585.15	ft MSL
Depth:	4.48	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.3408	
Flow Regime:	Subcritical	
Flow Area:	373.87	sq ft
Average Velocity:	4.08	ft/s
Maximum Velocity:	4.21	ft/s
Composite n:	0.068	
Hydraulic Radius:	2.13	ft
Wetted Perimeter:	175.84	ft
Wetted Top Width:	175.52	ft
Critical Slope:	0.11	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~190~~ 870

Entellus™

File: T3N-k7W-S32.dwg Date: 7/12/02



Normal Depth Results

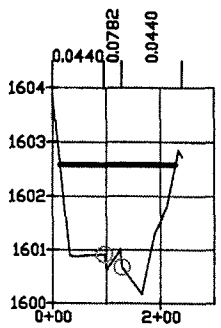
Cross-Section:	~~200~~ 875	
Elevation:	1596.75	ft MSL
Depth:	4.43	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.3217	
Flow Regime:	Subcritical	
Flow Area:	398.23	sq ft
Average Velocity:	3.83	ft/s
Maximum Velocity:	4.31	ft/s
Composite n:	0.0552	
Hydraulic Radius:	1.4	ft
Wetted Perimeter:	284.51	ft
Wetted Top Width:	284.18	ft
Critical Slope:	0.1253	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~200~~ 875

Entellus™

File: T3N-R7W-S32.dwg, Date: 7/12/02



~~282~~
880

Normal Depth Results

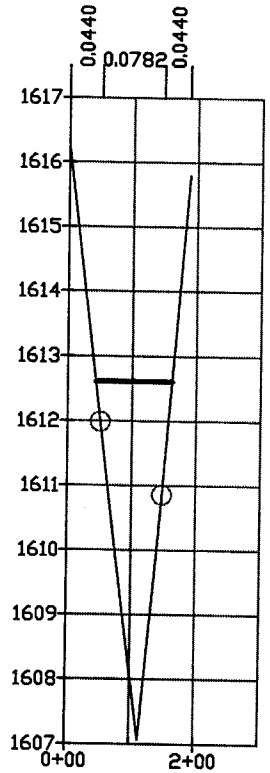
Cross-Section:	~~282~~ 880	
Elevation:	1602.58	ft MSL
Depth:	2.41	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.5203	
Flow Regime:	Subcritical	
Flow Area:	333.75	sq ft
Average Velocity:	4.58	ft/s
Maximum Velocity:	4.95	ft/s
Composite n:	0.0499	
Hydraulic Radius:	1.56	ft
Wetted Perimeter:	214.25	ft
Wetted Top Width:	214.08	ft
Critical Slope:	0.0483	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~282~~ 880

Entellus™

File: T3N-R7W-S32.dwg, Date: 7/12/02



~~285~~ 882

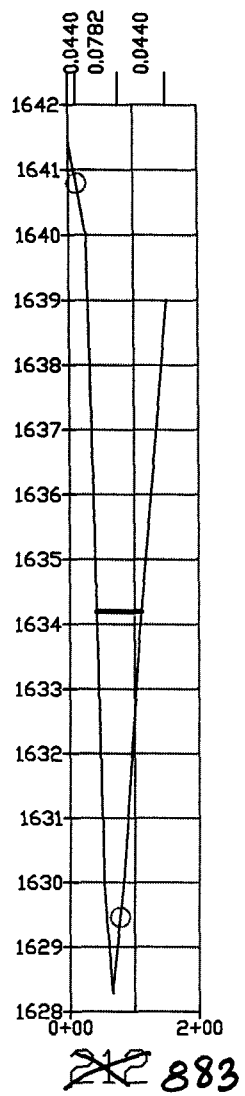
Normal Depth Results

Cross-Section:	~~285~~ 882	
Elevation:	1612.61	ft MSL
Depth:	5.54	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.012	ft/ft
Froude Number:	0.3413	
Flow Regime:	Subcritical	
Flow Area:	335.68	sq ft
Average Velocity:	4.57	ft/s
Maximum Velocity:	4.64	ft/s
Composite n:	0.0725	
Hydraulic Radius:	2.83	ft
Wetted Perimeter:	118.71	ft
Wetted Top Width:	118.17	ft
Critical Slope:	0.1056	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~285~~ 882

File: T3N-R7W-S32-New-Mapping.dwg Date: 10/22/02



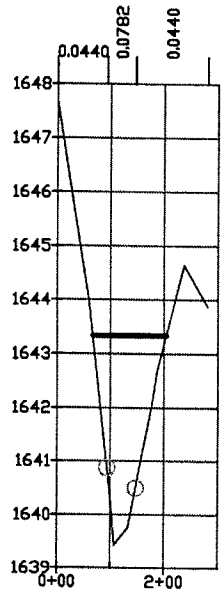
Normal Depth Results

Cross-Section:	~~212~~ 883	
Elevation:	1634.20	ft MSL
Depth:	5.92	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.0151	ft/ft
Froude Number:	0.4727	
Flow Regime:	Subcritical	
Flow Area:	234.57	sq ft
Average Velocity:	6.55	ft/s
Maximum Velocity:	7.49	ft/s
Composite n:	0.063	
Hydraulic Radius:	3.32	ft
Wetted Perimeter:	70.74	ft
Wetted Top Width:	69.45	ft
Critical Slope:	0.0688	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~212~~ 883

File: T3N-R7W-S32-New-Mapping.dwg Date: 10/22/02



~~218~~ 885

Normal Depth Results

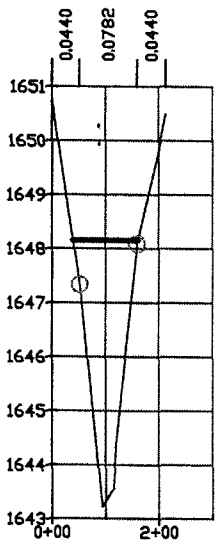
Cross-Section:	~~218~~ 885	
Elevation:	1643.34	ft MSL
Depth:	3.92	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.0151	ft/ft
Froude Number:	0.4626	
Flow Regime:	Subcritical	
Flow Area:	294.48	sq ft
Average Velocity:	5.21	ft/s
Maximum Velocity:	5.34	ft/s
Composite n:	0.0584	
Hydraulic Radius:	2.14	ft
Wetted Perimeter:	137.57	ft
Wetted Top Width:	137.29	ft
Critical Slope:	0.0704	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~218~~ 885

Entellus™

File: T3N-R7W-S32.dwg; Date: 7/12/02



~~820~~
890

Normal Depth Results

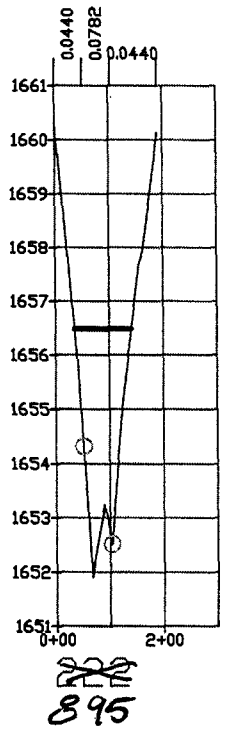
Cross-Section:	~~821~~ 890	
Elevation:	1648.16	ft MSL
Depth:	4.93	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.0151	ft/ft
Froude Number:	0.3779	
Flow Regime:	Subcritical	
Flow Area:	321.55	sq ft
Average Velocity:	4.74	ft/s
Maximum Velocity:	4.78	ft/s
Composite n:	0.0747	
Hydraulic Radius:	2.63	ft
Wetted Perimeter:	122.44	ft
Wetted Top Width:	121.97	ft
Critical Slope:	0.11	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~220~~ 890

Entellus™

File: T3N-R7W-S32.dwg, Date: 7/12/02



Normal Depth Results

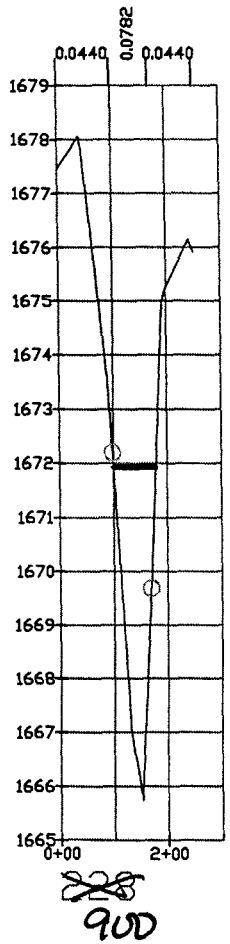
Cross-Section:	~~222~~ 895	
Elevation:	1656.48	ft MSL
Depth:	4.57	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.0151	ft/ft
Froude Number:	0.461	
Flow Regime:	Subcritical	
Flow Area:	273.59	sq ft
Average Velocity:	5.60	ft/s
Maximum Velocity:	6.10	ft/s
Composite n:	0.0619	
Hydraulic Radius:	2.57	ft
Wetted Perimeter:	106.57	ft
Wetted Top Width:	105.96	ft
Critical Slope:	0.0722	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~222~~ 895

Entellus™

File: T3N-R7W-S32.dwg, Date: 7/12/02



Normal Depth Results

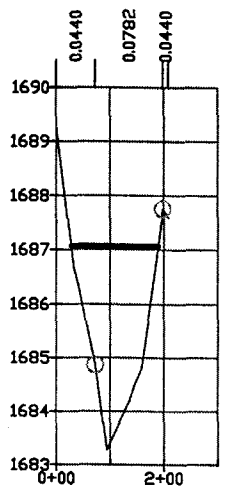
Cross-Section:	~~228~~ 900	
Elevation:	1671.93	ft MSL
Depth:	6.18	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.0151	ft/ft
Froude Number:	0.3973	
Flow Regime:	Subcritical	
Flow Area:	273.08	sq ft
Average Velocity:	5.61	ft/s
Maximum Velocity:	5.66	ft/s
Composite n:	0.0744	
Hydraulic Radius:	3.43	ft
Wetted Perimeter:	79.59	ft
Wetted Top Width:	78.45	ft
Critical Slope:	0.0959	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~228~~ 900

Entellus™

File: T3N-R7W-S32.dwg, Date: 7/12/02



~~230~~ 905

Normal Depth Results

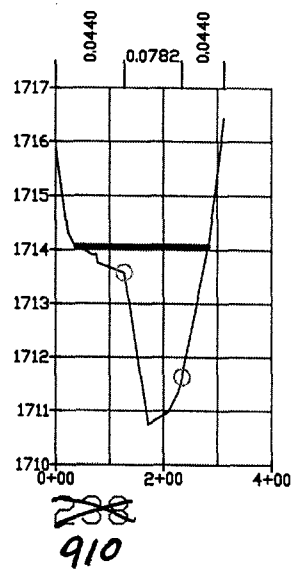
Cross-Section:	~~901~~ 905	
Elevation:	1687.07	ft MSL
Depth:	3.79	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.0151	ft/ft
Froude Number:	0.3969	
Flow Regime:	Subcritical	
Flow Area:	349.06	sq ft
Average Velocity:	4.39	ft/s
Maximum Velocity:	4.56	ft/s
Composite n:	0.0695	
Hydraulic Radius:	2.15	ft
Wetted Perimeter:	162.30	ft
Wetted Top Width:	162.08	ft
Critical Slope:	0.0957	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~230~~ 905

Entellus™

File: T3N-R7W-S32.dwg; Date: 7/12/02



Normal Depth Results

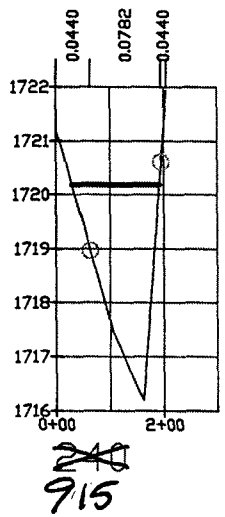
Cross-Section:	~~238~~ 910	
Elevation:	1714.07	ft MSL
Depth:	3.32	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.0151	ft/ft
Froude Number:	0.4139	
Flow Regime:	Subcritical	
Flow Area:	357.62	sq ft
Average Velocity:	4.27	ft/s
Maximum Velocity:	4.75	ft/s
Composite n:	0.06	
Hydraulic Radius:	1.46	ft
Wetted Perimeter:	245.76	ft
Wetted Top Width:	245.59	ft
Critical Slope:	0.1053	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~238~~ 910

Entellus™

File: T3N-R7W-S32.dwg Date: 7/12/02



Normal Depth Results

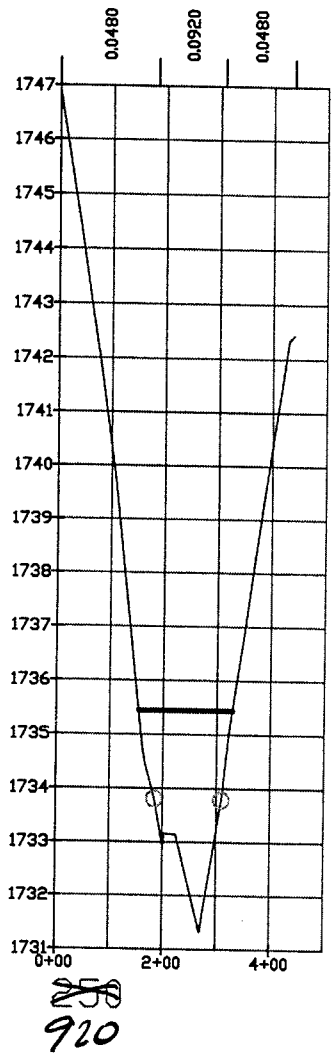
Cross-Section:	~~240~~ 915	
Elevation:	1720.18	ft MSL
Depth:	3.98	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.0151	ft/ft
Froude Number:	0.3829	
Flow Regime:	Subcritical	
Flow Area:	352.90	sq ft
Average Velocity:	4.32	ft/s
Maximum Velocity:	4.41	ft/s
Composite n:	0.0718	
Hydraulic Radius:	2.17	ft
Wetted Perimeter:	162.51	ft
Wetted Top Width:	162.19	ft
Critical Slope:	0.106	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~240~~ 915

Entellus™

File: T3N-R7W-S32.dwg; Date: 7/12/02



Normal Depth Results

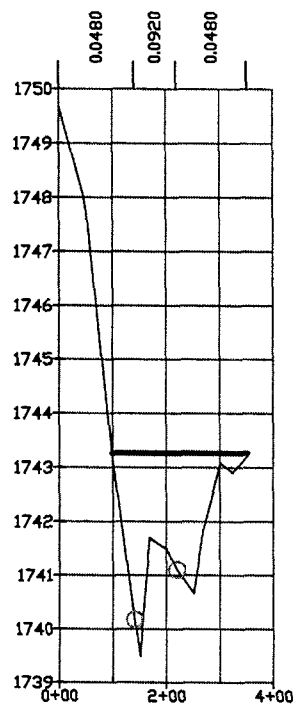
Cross-Section:	~~250~~ 920	
Elevation:	1735.45	ft MSL
Depth:	4.12	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.0151	ft/ft
Froude Number:	0.3373	
Flow Regime:	Subcritical	
Flow Area:	394.13	sq ft
Average Velocity:	3.90	ft/s
Maximum Velocity:	3.94	ft/s
Composite n:	0.0806	
Hydraulic Radius:	2.24	ft
Wetted Perimeter:	175.80	ft
Wetted Top Width:	175.51	ft
Critical Slope:	0.1322	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~250~~ 920

Entellus™

File: T3N-R7W-S32.dwg, Date: 7/12/02



~~256~~ 925

Normal Depth Results

Cross-Section:	~~256~~ 925	
Elevation:	1743.27	ft MSL
Depth:	3.77	ft
Discharge:	1530.00	cfs
Energy Gradient:	0.0151	ft/ft
Froude Number:	0.358	
Flow Regime:	Subcritical	
Flow Area:	387.92	sq ft
Average Velocity:	3.95	ft/s
Maximum Velocity:	5.14	ft/s
Composite n:	0.0633	
Hydraulic Radius:	1.53	ft
Wetted Perimeter:	253.92	ft
Wetted Top Width:	253.57	ft
Critical Slope:	0.1244	ft/ft

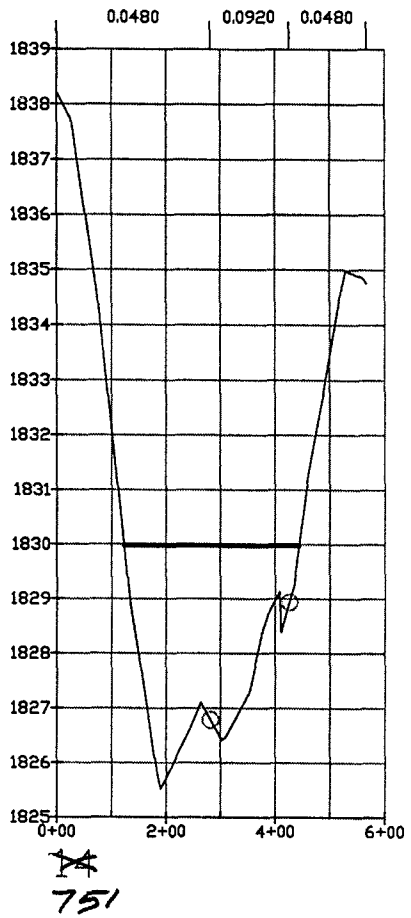
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S32–~~256~~ 925

Entellus™

File: T3N-R7W-S32.dwg Date: 7/12/02

T3N-R8W-S05E



Normal Depth Results

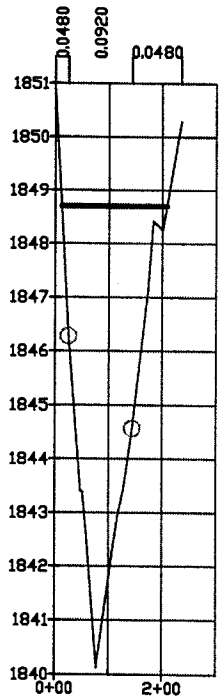
Cross-Section:	~~14~~ 751	
Elevation:	1829.98	ft MSL
Depth:	4.45	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.5006	
Flow Regime:	Subcritical	
Flow Area:	842.80	sq ft
Average Velocity:	6.01	ft/s
Maximum Velocity:	7.88	ft/s
Composite n:	0.0695	
Hydraulic Radius:	2.62	ft
Wetted Perimeter:	322.18	ft
Wetted Top Width:	321.84	ft
Critical Slope:	0.0866	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~14~~ 751

Entellus™

File: T3N-R8W-S05E-Bottom.dwg Date: 7/12/02



~~28~~ 754

Normal Depth Results

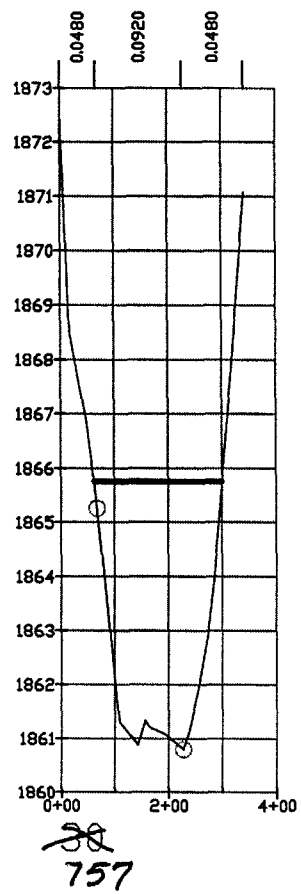
Cross-Section:	~~28~~ 754	
Elevation:	1848.70	ft MSL
Depth:	8.57	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.3698	
Flow Regime:	Subcritical	
Flow Area:	822.20	sq ft
Average Velocity:	6.14	ft/s
Maximum Velocity:	6.35	ft/s
Composite n:	0.0762	
Hydraulic Radius:	4.17	ft
Wetted Perimeter:	197.38	ft
Wetted Top Width:	196.40	ft
Critical Slope:	0.1078	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~28~~ 754

Entellus™

File: T3N-R8W-S05E-Bottom.dwg Date: 7/12/02



Normal Depth Results

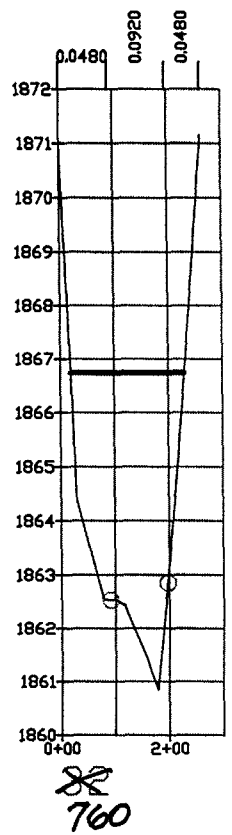
Cross-Section:	~~30~~ 757	
Elevation:	1865.76	ft MSL
Depth:	4.96	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4514	
Flow Regime:	Subcritical	
Flow Area:	885.29	sq ft
Average Velocity:	5.71	ft/s
Maximum Velocity:	7.89	ft/s
Composite n:	0.079	
Hydraulic Radius:	3.71	ft
Wetted Perimeter:	238.84	ft
Wetted Top Width:	238.41	ft
Critical Slope:	0.0783	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~30~~ 757

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



Normal Depth Results

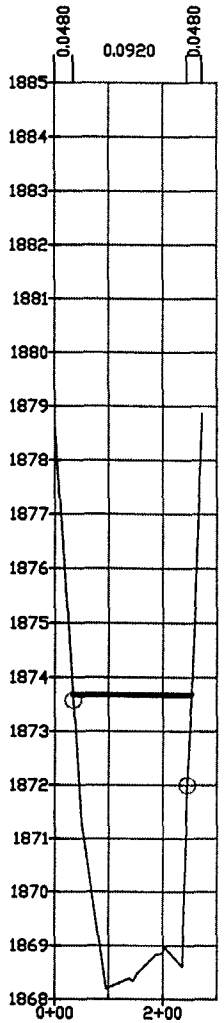
Cross-Section:	~~82~~ 760	
Elevation:	1866.74	ft MSL
Depth:	5.89	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4548	
Flow Regime:	Subcritical	
Flow Area:	806.54	sq ft
Average Velocity:	6.27	ft/s
Maximum Velocity:	7.97	ft/s
Composite n:	0.0718	
Hydraulic Radius:	3.82	ft
Wetted Perimeter:	211.33	ft
Wetted Top Width:	210.66	ft
Critical Slope:	0.0739	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~82~~ 760

Entellus™

File: T3N-R8W-S05E-Pattern.dwg; Date: 7/12/02



763 ~~38~~

Normal Depth Results

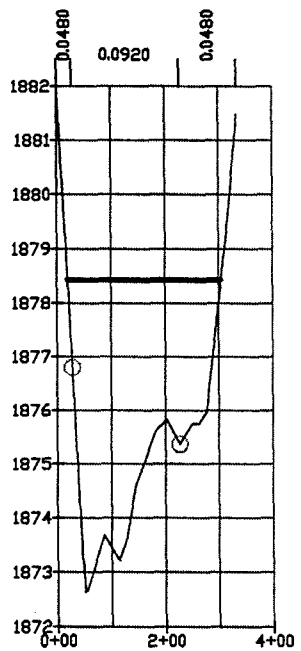
Cross-Section:	~~38~~ 763	
Elevation:	1873.68	ft MSL
Depth:	5.48	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.3976	
Flow Regime:	Subcritical	
Flow Area:	956.26	sq ft
Average Velocity:	5.27	ft/s
Maximum Velocity:	5.28	ft/s
Composite n:	0.0904	
Hydraulic Radius:	4.33	ft
Wetted Perimeter:	220.82	ft
Wetted Top Width:	219.76	ft
Critical Slope:	0.092	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~38~~. 763

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



~~40~~
766

Normal Depth Results

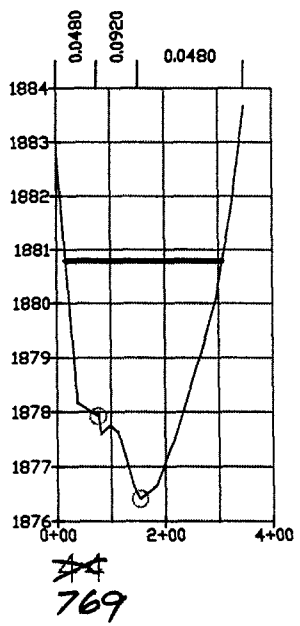
Cross-Section:	~~40~~ 766	
Elevation:	1878.43	ft MSL
Depth:	5.79	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.3761	
Flow Regime:	Subcritical	
Flow Area:	983.20	sq ft
Average Velocity:	5.15	ft/s
Maximum Velocity:	6.30	ft/s
Composite n:	0.0801	
Hydraulic Radius:	3.44	ft
Wetted Perimeter:	285.84	ft
Wetted Top Width:	285.11	ft
Critical Slope:	0.1038	ft/ft

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~40~~ 766

Entellus™



Normal Depth Results

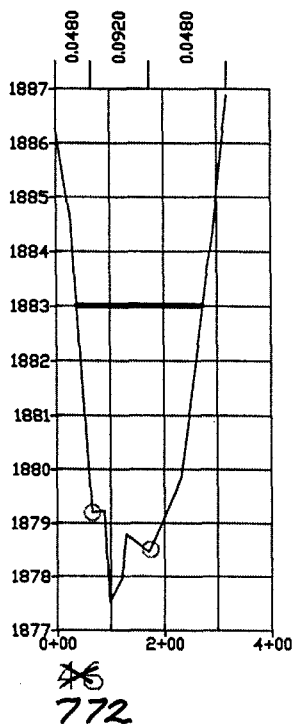
Cross-Section:	769	
Elevation:	1880.79	ft MSL
Depth:	4.38	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.5205	
Flow Regime:	Subcritical	
Flow Area:	817.06	sq ft
Average Velocity:	6.19	ft/s
Maximum Velocity:	7.25	ft/s
Composite n:	0.061	
Hydraulic Radius:	2.81	ft
Wetted Perimeter:	290.91	ft
Wetted Top Width:	290.63	ft
Critical Slope:	0.0598	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–769

Entellus™

File: T3N-R8W-S05E-Bottom.dwg Date: 7/12/02



Normal Depth Results

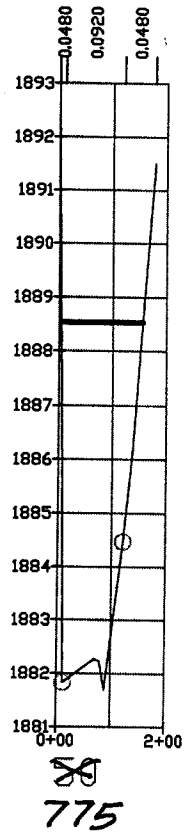
Cross-Section:	~~46~~ 772	
Elevation:	1883.01	ft MSL
Depth:	5.48	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4595	
Flow Regime:	Subcritical	
Flow Area:	827.78	sq ft
Average Velocity:	6.10	ft/s
Maximum Velocity:	7.58	ft/s
Composite n:	0.0701	
Hydraulic Radius:	3.51	ft
Wetted Perimeter:	235.59	ft
Wetted Top Width:	235.01	ft
Critical Slope:	0.073	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~46~~ 772

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



Normal Depth Results

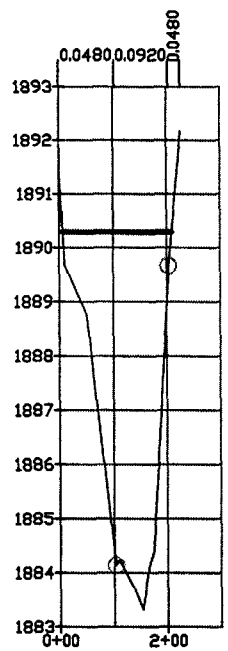
Cross-Section:	~~50~~ 775	
Elevation:	1888.54	ft MSL
Depth:	6.84	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4386	
Flow Regime:	Subcritical	
Flow Area:	776.36	sq ft
Average Velocity:	6.51	ft/s
Maximum Velocity:	6.82	ft/s
Composite n:	0.0805	
Hydraulic Radius:	5.02	ft
Wetted Perimeter:	154.63	ft
Wetted Top Width:	151.66	ft
Critical Slope:	0.0747	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~50~~775

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



~~82~~ 778

Normal Depth Results

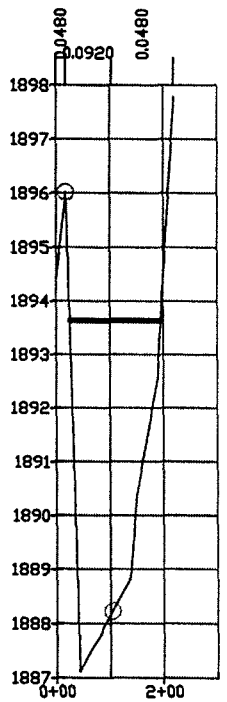
Cross-Section:	~~82~~ 778	
Elevation:	1890.29	ft MSL
Depth:	6.96	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.422	
Flow Regime:	Subcritical	
Flow Area:	799.42	sq ft
Average Velocity:	6.30	ft/s
Maximum Velocity:	6.95	ft/s
Composite n:	0.0715	
Hydraulic Radius:	3.93	ft
Wetted Perimeter:	203.33	ft
Wetted Top Width:	202.52	ft
Critical Slope:	0.0832	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~82~~ 778

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



~~54~~ 781

Normal Depth Results

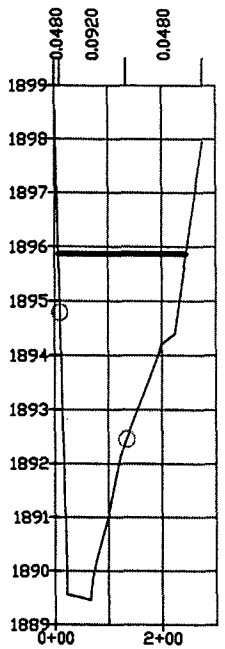
Cross-Section:	~~54~~ 781	
Elevation:	1893.63	ft MSL
Depth:	6.52	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4783	
Flow Regime:	Subcritical	
Flow Area:	728.83	sq ft
Average Velocity:	6.94	ft/s
Maximum Velocity:	8.38	ft/s
Composite n:	0.0703	
Hydraulic Radius:	4.26	ft
Wetted Perimeter:	171.22	ft
Wetted Top Width:	169.80	ft
Critical Slope:	0.0677	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~54~~ 781

Entellus™

File: T3N-R8W-S05E-bottom.dwg; Date: 7/12/02



~~80~~ 784

Normal Depth Results

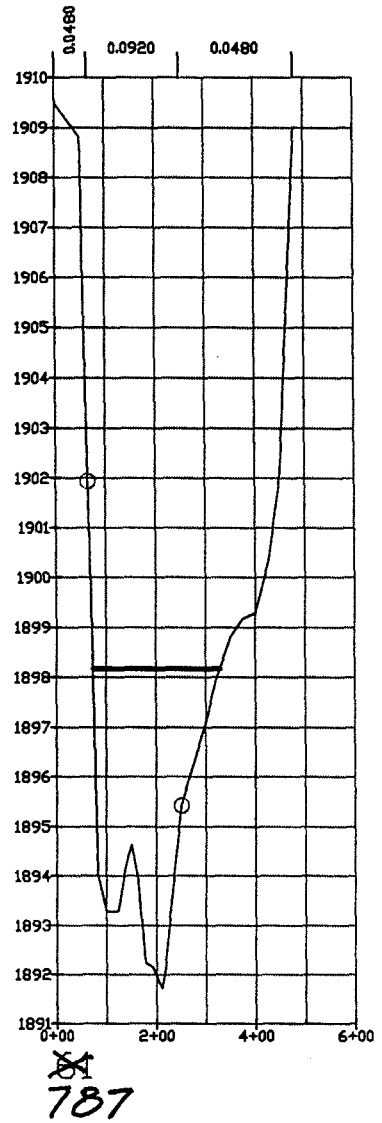
Cross-Section:	~~80~~ 784	
Elevation:	1895.87	ft MSL
Depth:	6.41	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4048	
Flow Regime:	Subcritical	
Flow Area:	868.61	sq ft
Average Velocity:	5.82	ft/s
Maximum Velocity:	5.88	ft/s
Composite n:	0.0727	
Hydraulic Radius:	3.63	ft
Wetted Perimeter:	239.57	ft
Wetted Top Width:	238.21	ft
Critical Slope:	0.0882	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~80~~784

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



Normal Depth Results

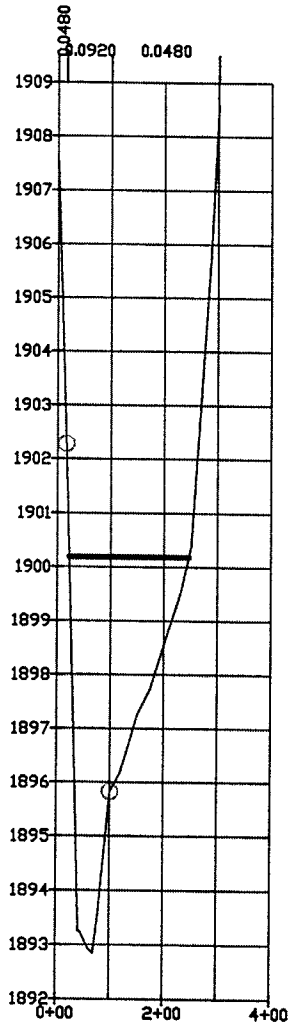
Cross-Section:	~~81~~ 787	
Elevation:	1898.18	ft MSL
Depth:	6.45	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.371	
Flow Regime:	Subcritical	
Flow Area:	945.19	sq ft
Average Velocity:	5.35	ft/s
Maximum Velocity:	5.44	ft/s
Composite n:	0.0799	
Hydraulic Radius:	3.68	ft
Wetted Perimeter:	256.87	ft
Wetted Top Width:	255.59	ft
Critical Slope:	0.1051	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~81~~ 787

Entellus™

File: T3N-R8W-S05E-Bottom.dwg Date: 7/12/02



~~62~~
790

Normal Depth Results

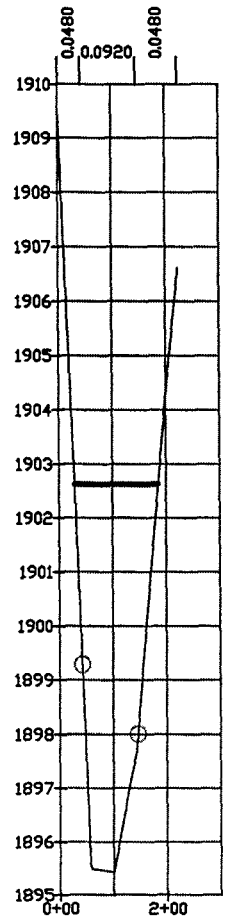
Cross-Section:	~~62~~ 790	
Elevation:	1900.18	ft MSL
Depth:	7.33	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4141	
Flow Regime:	Subcritical	
Flow Area:	793.98	sq ft
Average Velocity:	6.35	ft/s
Maximum Velocity:	6.59	ft/s
Composite n:	0.0651	
Hydraulic Radius:	3.51	ft
Wetted Perimeter:	225.89	ft
Wetted Top Width:	224.47	ft
Critical Slope:	0.0844	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~62~~ 790

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



~~84~~ 793

Normal Depth Results

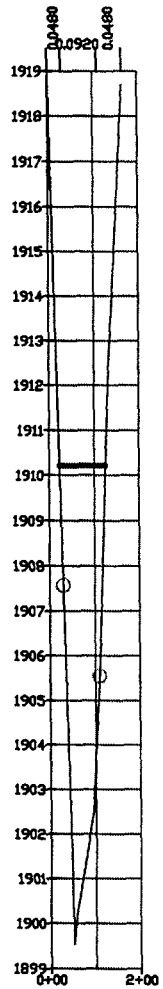
Cross-Section:	~~84~~ 793	
Elevation:	1902.63	ft MSL
Depth:	7.19	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4322	
Flow Regime:	Subcritical	
Flow Area:	768.11	sq ft
Average Velocity:	6.58	ft/s
Maximum Velocity:	6.64	ft/s
Composite n:	0.0784	
Hydraulic Radius:	4.88	ft
Wetted Perimeter:	157.35	ft
Wetted Top Width:	156.11	ft
Critical Slope:	0.0774	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~84~~ 793

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



~~85~~ 796

Normal Depth Results

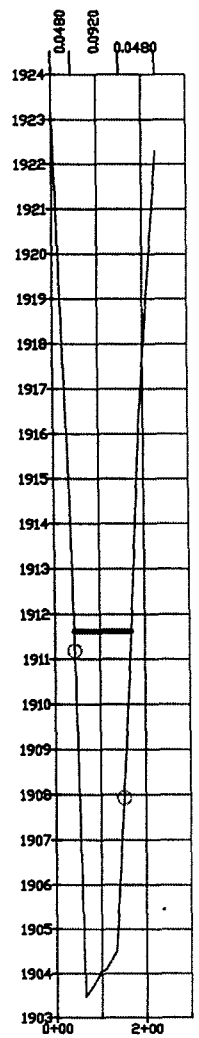
Cross-Section:	~~85~~ 796	
Elevation:	1910.22	ft MSL
Depth:	10.67	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4031	
Flow Regime:	Subcritical	
Flow Area:	676.10	sq ft
Average Velocity:	7.46	ft/s
Maximum Velocity:	7.57	ft/s
Composite n:	0.0832	
Hydraulic Radius:	6.39	ft
Wetted Perimeter:	105.73	ft
Wetted Top Width:	102.75	ft
Critical Slope:	0.0901	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S05E–~~85~~ 796

Entellus™

File: T1N-R8W-S05E-Hutton.dwg Date: 7/12/02



~~67~~ 799

Normal Depth Results

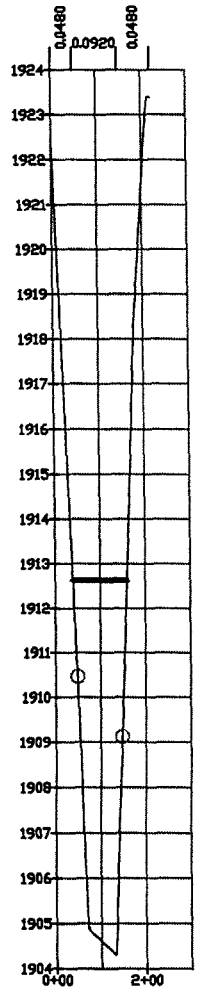
Cross-Section:	~~67~~ 799	
Elevation:	1911.63	ft MSL
Depth:	8.16	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4165	
Flow Regime:	Subcritical	
Flow Area:	748.39	sq ft
Average Velocity:	6.74	ft/s
Maximum Velocity:	6.80	ft/s
Composite n:	0.0859	
Hydraulic Radius:	5.8	ft
Wetted Perimeter:	129.11	ft
Wetted Top Width:	126.89	ft
Critical Slope:	0.0839	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S05E–~~67~~ 799

Entellus™

File: T2N-R8W-S05E-Bottom.dwg Date: 7/12/02



~~70~~ 802

Normal Depth Results

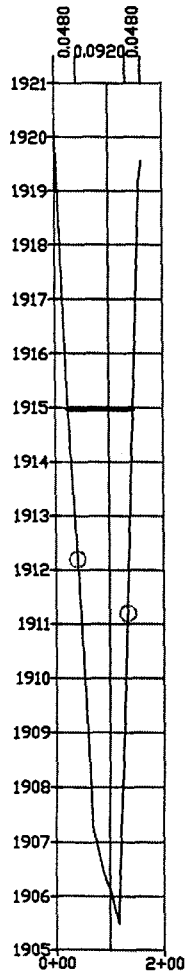
Cross-Section:	~~70~~ 802	
Elevation:	1912.63	ft MSL
Depth:	8.32	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4249	
Flow Regime:	Subcritical	
Flow Area:	726.62	sq ft
Average Velocity:	6.96	ft/s
Maximum Velocity:	7.05	ft/s
Composite n:	0.0851	
Hydraulic Radius:	5.94	ft
Wetted Perimeter:	122.32	ft
Wetted Top Width:	120.12	ft
Critical Slope:	0.0811	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S05E–~~70~~ 802

Entellus™

File: T1N-R8W-S05E-Bottom.dwg Date: 7/12/02



~~72~~ 805

Normal Depth Results

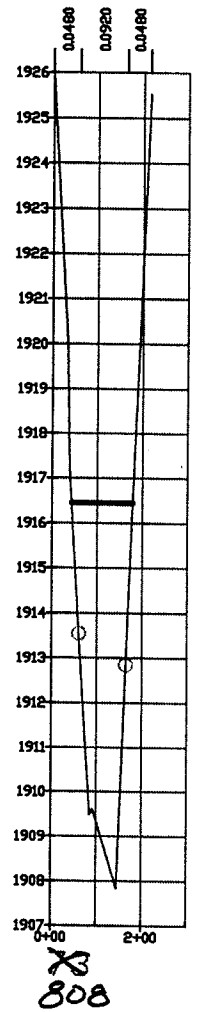
Cross-Section:	~~72~~ 805	
Elevation:	1914.98	ft MSL
Depth:	9.48	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4051	
Flow Regime:	Subcritical	
Flow Area:	713.80	sq ft
Average Velocity:	7.06	ft/s
Maximum Velocity:	7.20	ft/s
Composite n:	0.0826	
Hydraulic Radius:	5.8	ft
Wetted Perimeter:	123.10	ft
Wetted Top Width:	120.85	ft
Critical Slope:	0.09	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~72~~ 805

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



Normal Depth Results

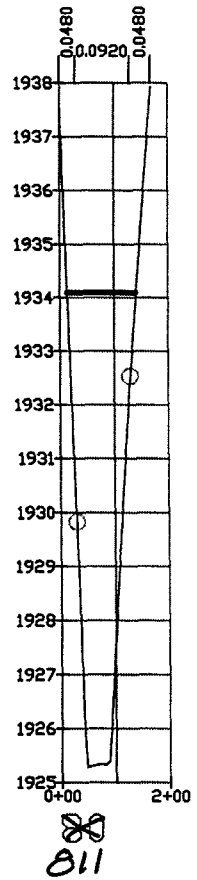
Cross-Section:	XS 808	
Elevation:	1916.44	ft MSL
Depth:	8.60	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4048	
Flow Regime:	Subcritical	
Flow Area:	749.78	sq ft
Average Velocity:	6.73	ft/s
Maximum Velocity:	6.85	ft/s
Composite n:	0.0827	
Hydraulic Radius:	5.43	ft
Wetted Perimeter:	137.99	ft
Wetted Top Width:	136.29	ft
Critical Slope:	0.0894	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S05E–~~XS~~ 808

Entellus™

File: T2N-R8W-S05E-Bottom.dwg Date: 7/12/02



Normal Depth Results

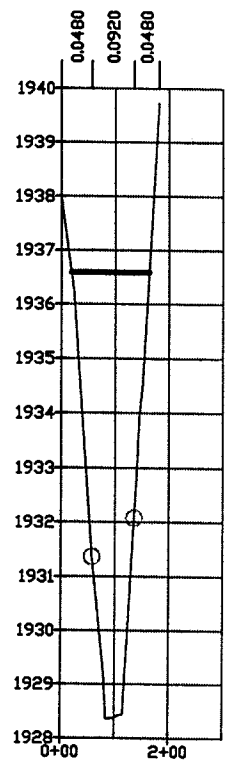
Cross-Section:	~~80~~ 811	
Elevation:	1934.10	ft MSL
Depth:	8.81	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4094	
Flow Regime:	Subcritical	
Flow Area:	732.79	sq ft
Average Velocity:	6.89	ft/s
Maximum Velocity:	6.98	ft/s
Composite n:	0.0835	
Hydraulic Radius:	5.66	ft
Wetted Perimeter:	129.46	ft
Wetted Top Width:	127.59	ft
Critical Slope:	0.0882	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~80~~ 811

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



~~83~~ 814

Normal Depth Results

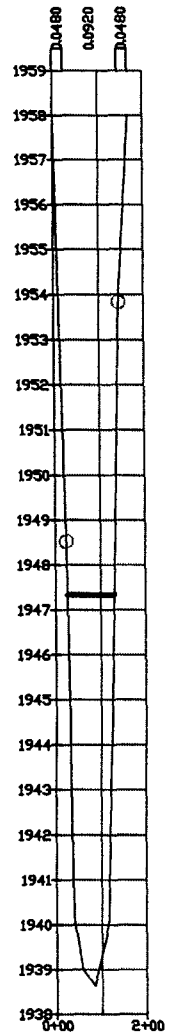
Cross-Section:	~~83~~ 814	
Elevation:	1936.59	ft MSL
Depth:	8.23	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4332	
Flow Regime:	Subcritical	
Flow Area:	716.26	sq ft
Average Velocity:	7.05	ft/s
Maximum Velocity:	7.18	ft/s
Composite n:	0.0734	
Hydraulic Radius:	4.9	ft
Wetted Perimeter:	146.07	ft
Wetted Top Width:	144.83	ft
Critical Slope:	0.0771	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~83~~ 814

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



~~90~~ 817

Normal Depth Results

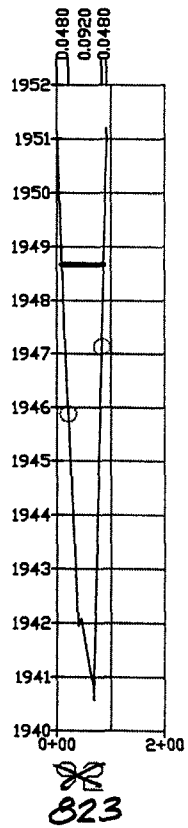
Cross-Section:	~~90~~ 817	
Elevation:	1947.33	ft MSL
Depth:	8.69	ft
Discharge:	5050.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4136	
Flow Regime:	Subcritical	
Flow Area:	730.05	sq ft
Average Velocity:	6.92	ft/s
Maximum Velocity:	6.92	ft/s
Composite n:	0.092	
Hydraulic Radius:	6.72	ft
Wetted Perimeter:	108.60	ft
Wetted Top Width:	104.96	ft
Critical Slope:	0.084	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R8W–S05E–~~90~~ 817

Entellus™

File: T2N-R8W-S05E-Bottom.dwg Date: 7/12/02



Normal Depth Results

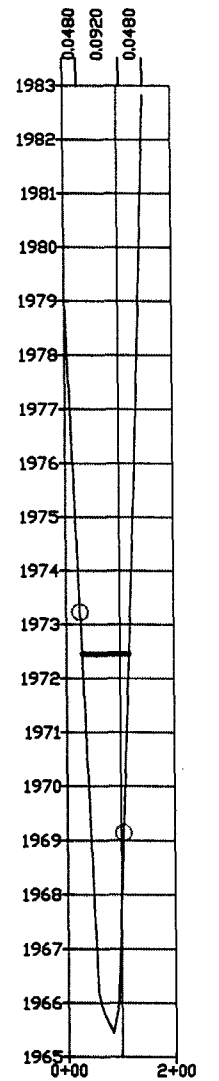
Cross-Section:	~~92~~ 823	
Elevation:	1948.67	ft MSL
Depth:	8.09	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.3773	
Flow Regime:	Subcritical	
Flow Area:	382.73	sq ft
Average Velocity:	6.10	ft/s
Maximum Velocity:	6.18	ft/s
Composite n:	0.0843	
Hydraulic Radius:	4.81	ft
Wetted Perimeter:	79.61	ft
Wetted Top Width:	77.09	ft
Critical Slope:	0.1027	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~92~~ 823

Entellus™

File: T3N-R8W-S05E-Bottom.dwg, Date: 7/12/02



~~100~~ 826

Normal Depth Results

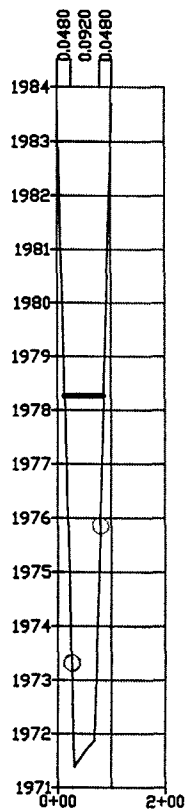
Cross-Section:	~~100~~ 826	
Elevation:	1972.46	ft MSL
Depth:	7.01	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.3803	
Flow Regime:	Subcritical	
Flow Area:	408.10	sq ft
Average Velocity:	5.71	ft/s
Maximum Velocity:	5.74	ft/s
Composite n:	0.0866	
Hydraulic Radius:	4.6	ft
Wetted Perimeter:	88.75	ft
Wetted Top Width:	87.11	ft
Critical Slope:	0.0997	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~100~~ 826

Entellus™

File: T3N-R8W-S05E-Bottom.dwg, Date: 7/12/02



~~105~~ 829

Normal Depth Results

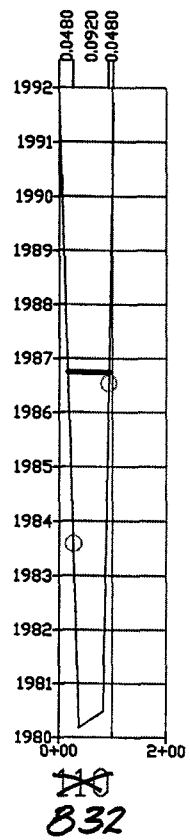
Cross-Section:	~~105~~ 829	
Elevation:	1978.27	ft MSL
Depth:	6.88	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4265	
Flow Regime:	Subcritical	
Flow Area:	367.11	sq ft
Average Velocity:	6.36	ft/s
Maximum Velocity:	6.49	ft/s
Composite n:	0.0812	
Hydraulic Radius:	4.87	ft
Wetted Perimeter:	75.31	ft
Wetted Top Width:	72.91	ft
Critical Slope:	0.0797	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~105~~ 829

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



Normal Depth Results

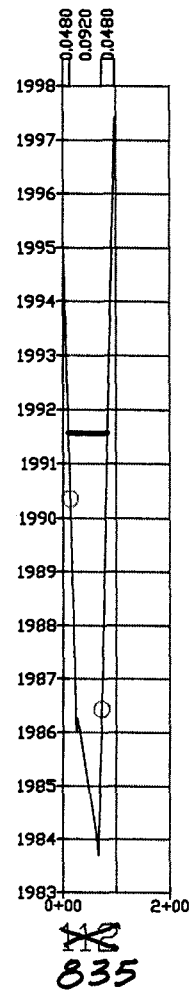
Cross-Section:	~~110~~ 832	
Elevation:	1986.75	ft MSL
Depth:	6.58	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4103	
Flow Regime:	Subcritical	
Flow Area:	390.31	sq ft
Average Velocity:	5.99	ft/s
Maximum Velocity:	6.04	ft/s
Composite n:	0.0864	
Hydraulic Radius:	4.9	ft
Wetted Perimeter:	79.74	ft
Wetted Top Width:	77.08	ft
Critical Slope:	0.0856	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~110~~ 832

Entellus™

File: T3N-R8W-S05E-Bottom.dwg, Date: 7/12/02



Normal Depth Results

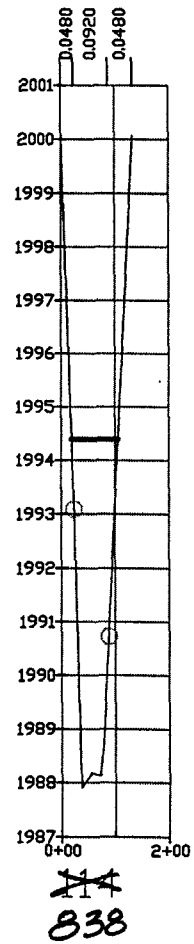
Cross-Section:	~~112~~ 835	
Elevation:	1991.57	ft MSL
Depth:	7.86	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.3907	
Flow Regime:	Subcritical	
Flow Area:	375.10	sq ft
Average Velocity:	6.21	ft/s
Maximum Velocity:	6.49	ft/s
Composite n:	0.0839	
Hydraulic Radius:	4.92	ft
Wetted Perimeter:	76.17	ft
Wetted Top Width:	73.35	ft
Critical Slope:	0.0957	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~112~~ 835

Entellus™

File: T3N-R8W-S05E-Bottom.dwg, Date: 7/12/02



Normal Depth Results

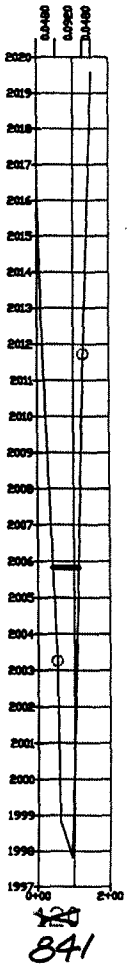
Cross-Section:	~~114~~ 838	
Elevation:	1994.39	ft MSL
Depth:	6.48	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4122	
Flow Regime:	Subcritical	
Flow Area:	391.28	sq ft
Average Velocity:	5.94	ft/s
Maximum Velocity:	6.00	ft/s
Composite n:	0.0819	
Hydraulic Radius:	4.44	ft
Wetted Perimeter:	88.12	ft
Wetted Top Width:	86.34	ft
Critical Slope:	0.0865	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~114~~ 838

Entellus™

File: T3N-R8W-S05E-Bottom.dwg; Date: 7/12/02



Normal Depth Results

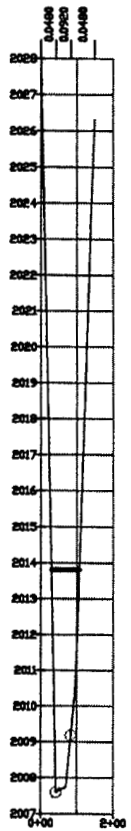
Cross-Section:	~~120~~ 841	
Elevation:	2005.83	ft MSL
Depth:	8.00	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.3843	
Flow Regime:	Subcritical	
Flow Area:	377.91	sq ft
Average Velocity:	6.17	ft/s
Maximum Velocity:	6.24	ft/s
Composite n:	0.0859	
Hydraulic Radius:	5.06	ft
Wetted Perimeter:	74.72	ft
Wetted Top Width:	71.68	ft
Critical Slope:	0.0986	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~120~~ 841

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02



~~124~~ 844

Normal Depth Results

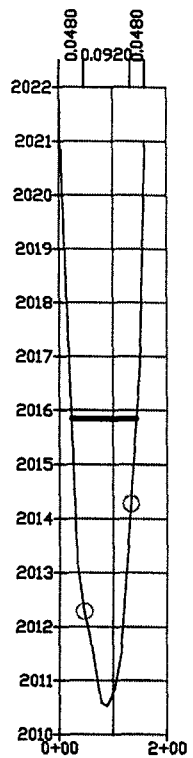
Cross-Section:	~~124~~ 844	
Elevation:	2013.81	ft MSL
Depth:	6.21	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4719	
Flow Regime:	Subcritical	
Flow Area:	349.13	sq ft
Average Velocity:	6.65	ft/s
Maximum Velocity:	7.42	ft/s
Composite n:	0.0725	
Hydraulic Radius:	4.39	ft
Wetted Perimeter:	79.46	ft
Wetted Top Width:	77.40	ft
Critical Slope:	0.0659	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~124~~ 844

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02



~~126~~ 847

Normal Depth Results

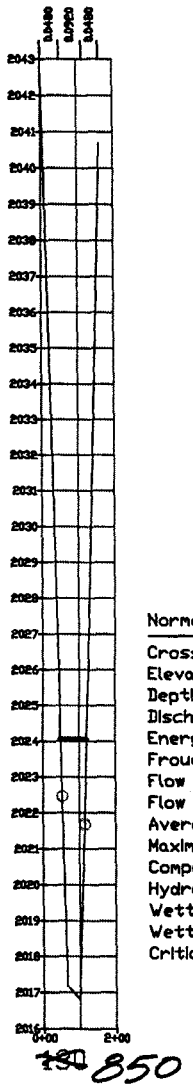
Cross-Section:	~~126~~ 847	
Elevation:	2015.85	ft MSL
Depth:	5.32	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4048	
Flow Regime:	Subcritical	
Flow Area:	439.93	sq ft
Average Velocity:	5.30	ft/s
Maximum Velocity:	6.49	ft/s
Composite n:	0.0805	
Hydraulic Radius:	3.62	ft
Wetted Perimeter:	121.55	ft
Wetted Top Width:	120.79	ft
Critical Slope:	0.0901	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~126~~ 847

Entellus™

File: T3N-R8W-S05E-Top.dwg, Date: 9/09/02



Normal Depth Results

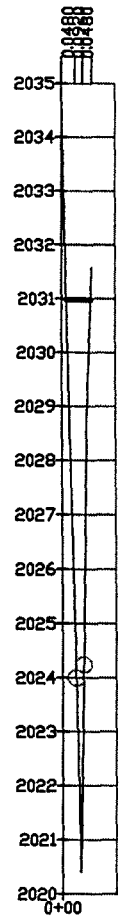
Cross-Section:	~~130~~ 850	
Elevation:	2024.06	ft MSL
Depth:	7.26	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4024	
Flow Regime:	Subcritical	
Flow Area:	378.77	sq ft
Average Velocity:	6.15	ft/s
Maximum Velocity:	6.22	ft/s
Composite n:	0.0865	
Hydraulic Radius:	5.06	ft
Wetted Perimeter:	74.89	ft
Wetted Top Width:	72.36	ft
Critical Slope:	0.0908	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~130~~ 850

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02



~~135~~
859

Normal Depth Results

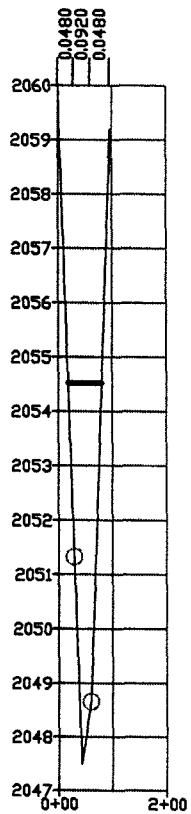
Cross-Section:	~~135~~ 859	
Elevation:	2030.98	ft MSL
Depth:	10.57	ft
Discharge:	1670.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4094	
Flow Regime:	Subcritical	
Flow Area:	221.16	sq ft
Average Velocity:	7.56	ft/s
Maximum Velocity:	8.12	ft/s
Composite n:	0.0637	
Hydraulic Radius:	4.39	ft
Wetted Perimeter:	50.42	ft
Wetted Top Width:	45.41	ft
Critical Slope:	0.0866	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~135~~ 859

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



~~139~~
862

Normal Depth Results

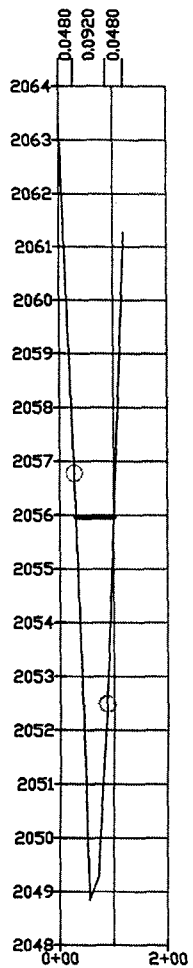
Cross-Section:	~~139~~ 862	
Elevation:	2054.53	ft MSL
Depth:	7.03	ft
Discharge:	1670.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.4287	
Flow Regime:	Subcritical	
Flow Area:	259.07	sq ft
Average Velocity:	6.44	ft/s
Maximum Velocity:	7.45	ft/s
Composite n:	0.0713	
Hydraulic Radius:	4.04	ft
Wetted Perimeter:	64.12	ft
Wetted Top Width:	62.27	ft
Critical Slope:	0.0804	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~139~~ 862

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



~~140~~ 865

Normal Depth Results

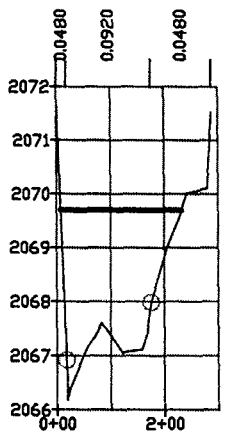
Cross-Section:	~~140~~ 865	
Elevation:	2055.97	ft MSL
Depth:	7.12	ft
Discharge:	1670.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.3637	
Flow Regime:	Subcritical	
Flow Area:	303.28	sq ft
Average Velocity:	5.51	ft/s
Maximum Velocity:	5.53	ft/s
Composite n:	0.0846	
Hydraulic Radius:	4.21	ft
Wetted Perimeter:	71.97	ft
Wetted Top Width:	70.21	ft
Critical Slope:	0.1086	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~140~~ 865

Entellus™

File: T3N-R8W-S05E-Top.dwg, Date: 9/09/02



~~242~~ 868

Normal Depth Results

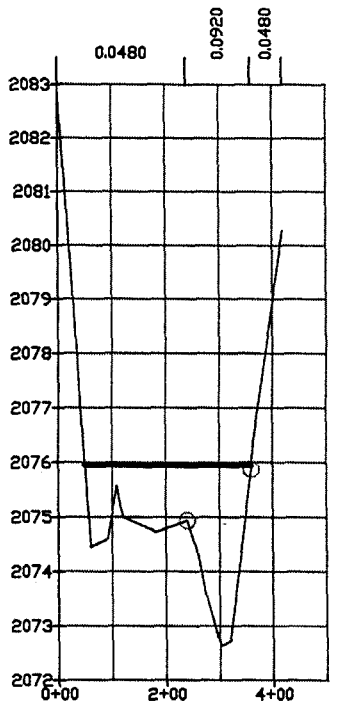
Cross-Section:	~~242~~ 868	
Elevation:	2069.70	ft MSL
Depth:	3.52	ft
Discharge:	1670.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.3396	
Flow Regime:	Subcritical	
Flow Area:	461.85	sq ft
Average Velocity:	3.62	ft/s
Maximum Velocity:	4.54	ft/s
Composite n:	0.08	
Hydraulic Radius:	2.05	ft
Wetted Perimeter:	224.92	ft
Wetted Top Width:	224.34	ft
Critical Slope:	0.1252	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~242~~ 868

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



~~146~~ 874

Normal Depth Results

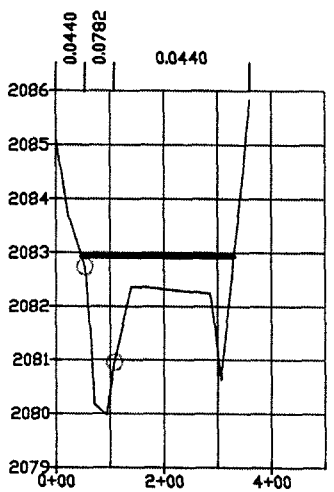
Cross-Section:	~~146~~ 874	
Elevation:	2075.95	ft MSL
Depth:	3.32	ft
Discharge:	1670.00	cfs
Energy Gradient:	0.0144	ft/ft
Froude Number:	0.347	
Flow Regime:	Subcritical	
Flow Area:	465.42	sq ft
Average Velocity:	3.55	ft/s
Maximum Velocity:	3.93	ft/s
Composite n:	0.0666	
Hydraulic Radius:	1.5	ft
Wetted Perimeter:	310.88	ft
Wetted Top Width:	310.55	ft
Critical Slope:	0.125	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~146~~ 874

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



~~152~~ 880

Normal Depth Results

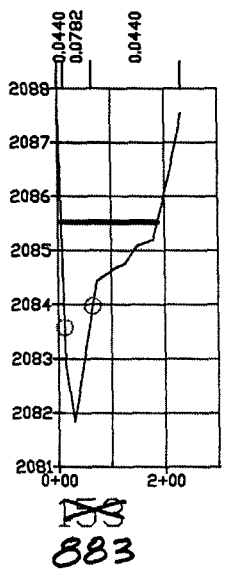
Cross-Section:	~~152~~ 880	
Elevation:	2082.93	ft MSL
Depth:	2.95	ft
Discharge:	1600.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.529	
Flow Regime:	Subcritical	
Flow Area:	310.30	sq ft
Average Velocity:	5.18	ft/s
Maximum Velocity:	5.46	ft/s
Composite n:	0.0513	
Hydraulic Radius:	1.1	ft
Wetted Perimeter:	282.80	ft
Wetted Top Width:	282.35	ft
Critical Slope:	0.0998	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~152~~ 880

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



Normal Depth Results

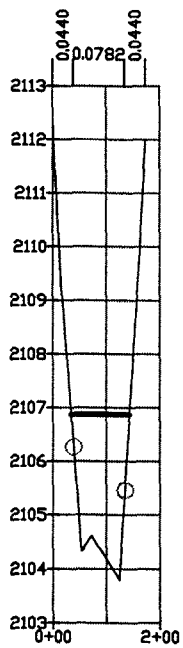
Cross-Section:	~~153~~ 883	
Elevation:	2085.53	ft MSL
Depth:	3.69	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.5099	
Flow Regime:	Subcritical	
Flow Area:	239.46	sq ft
Average Velocity:	5.58	ft/s
Maximum Velocity:	6.24	ft/s
Composite n:	0.0551	
Hydraulic Radius:	1.32	ft
Wetted Perimeter:	181.69	ft
Wetted Top Width:	181.10	ft
Critical Slope:	0.1126	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~153~~ 883

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



~~160~~ 886

Normal Depth Results

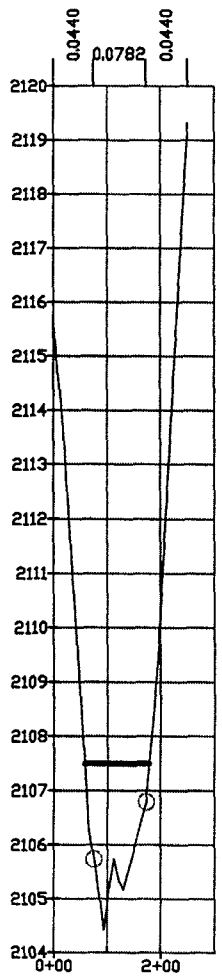
Cross-Section:	~~160~~ 886	
Elevation:	2106.87	ft MSL
Depth:	3.07	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.5615	
Flow Regime:	Subcritical	
Flow Area:	238.21	sq ft
Average Velocity:	5.62	ft/s
Maximum Velocity:	5.67	ft/s
Composite n:	0.0744	
Hydraulic Radius:	2.17	ft
Wetted Perimeter:	109.74	ft
Wetted Top Width:	109.32	ft
Critical Slope:	0.0878	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~160~~ 886

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



~~161~~ 889

Normal Depth Results

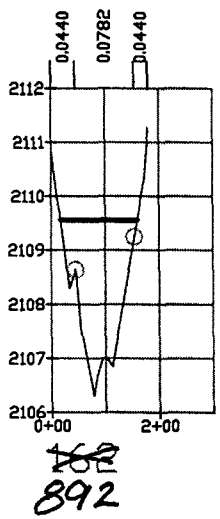
Cross-Section:	~~161~~ 889	
Elevation:	2107.50	ft MSL
Depth:	3.07	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.6293	
Flow Regime:	Subcritical	
Flow Area:	212.54	sq ft
Average Velocity:	6.27	ft/s
Maximum Velocity:	7.35	ft/s
Composite n:	0.0586	
Hydraulic Radius:	1.75	ft
Wetted Perimeter:	121.60	ft
Wetted Top Width:	121.31	ft
Critical Slope:	0.0727	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~161~~ 889

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



Normal Depth Results

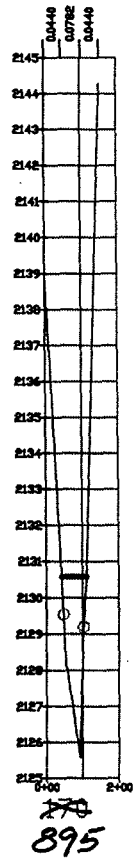
Cross-Section:	~~162~~ 892	
Elevation:	2109.56	ft MSL
Depth:	3.25	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.5084	
Flow Regime:	Subcritical	
Flow Area:	255.76	sq ft
Average Velocity:	5.18	ft/s
Maximum Velocity:	5.22	ft/s
Composite n:	0.071	
Hydraulic Radius:	1.79	ft
Wetted Perimeter:	142.81	ft
Wetted Top Width:	142.56	ft
Critical Slope:	0.1092	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~182~~ 892

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



Normal Depth Results

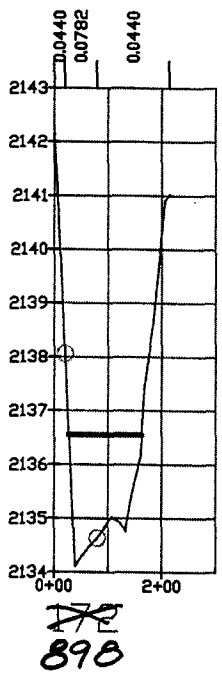
Cross-Section:	~~270~~ 895	
Elevation:	2130.58	ft MSL
Depth:	4.99	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.5408	
Flow Regime:	Subcritical	
Flow Area:	194.09	sq ft
Average Velocity:	6.85	ft/s
Maximum Velocity:	6.97	ft/s
Composite n:	0.0721	
Hydraulic Radius:	2.75	ft
Wetted Perimeter:	70.59	ft
Wetted Top Width:	69.54	ft
Critical Slope:	0.0976	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~270~~ 895

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02



Normal Depth Results

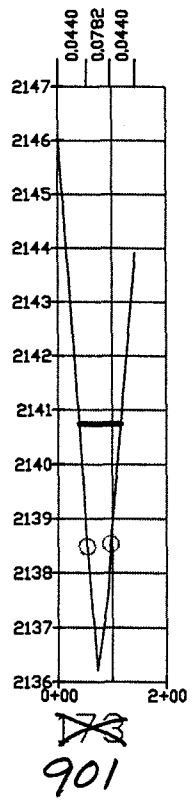
Cross-Section:	~~172~~ 898	
Elevation:	2136.55	ft MSL
Depth:	2.44	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.6829	
Flow Regime:	Subcritical	
Flow Area:	219.72	sq ft
Average Velocity:	6.09	ft/s
Maximum Velocity:	7.11	ft/s
Composite n:	0.0584	
Hydraulic Radius:	1.62	ft
Wetted Perimeter:	135.87	ft
Wetted Top Width:	135.55	ft
Critical Slope:	0.0635	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~172~~ 898

Entellus™

File: T3N-R8W-S05E-Tgp.dwg; Date: 9/09/02



Normal Depth Results

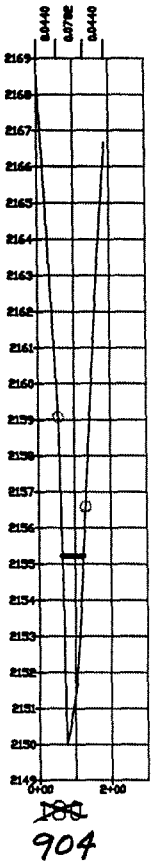
Cross-Section:	~~173~~ 901	
Elevation:	2140.75	ft MSL
Depth:	4.53	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.5803	
Flow Regime:	Subcritical	
Flow Area:	189.86	sq ft
Average Velocity:	7.02	ft/s
Maximum Velocity:	7.28	ft/s
Composite n:	0.0645	
Hydraulic Radius:	2.45	ft
Wetted Perimeter:	77.61	ft
Wetted Top Width:	77.04	ft
Critical Slope:	0.0829	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~173~~ 901

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



Normal Depth Results

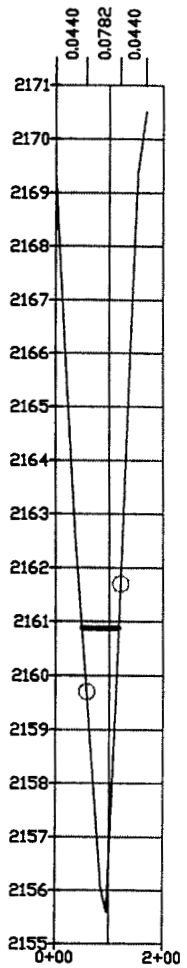
Cross-Section:	~~180~~ 904	
Elevation:	2155.22	ft MSL
Depth:	5.23	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.5305	
Flow Regime:	Subcritical	
Flow Area:	193.25	sq ft
Average Velocity:	6.86	ft/s
Maximum Velocity:	6.86	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.19	ft
Wetted Perimeter:	60.56	ft
Wetted Top Width:	59.07	ft
Critical Slope:	0.0986	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~180~~ 904

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02



~~182~~ 907

Normal Depth Results

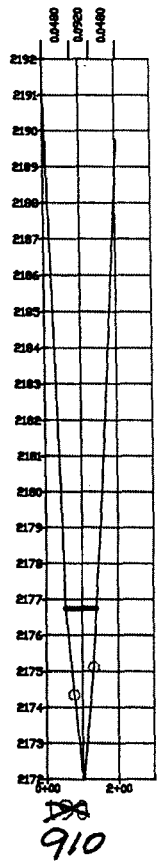
Cross-Section:	~~182~~ 907	
Elevation:	2160.88	ft MSL
Depth:	5.28	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.5173	
Flow Regime:	Subcritical	
Flow Area:	197.17	sq ft
Average Velocity:	6.76	ft/s
Maximum Velocity:	6.84	ft/s
Composite n:	0.0742	
Hydraulic Radius:	2.84	ft
Wetted Perimeter:	69.38	ft
Wetted Top Width:	68.43	ft
Critical Slope:	0.1049	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~182~~ 907

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



Normal Depth Results

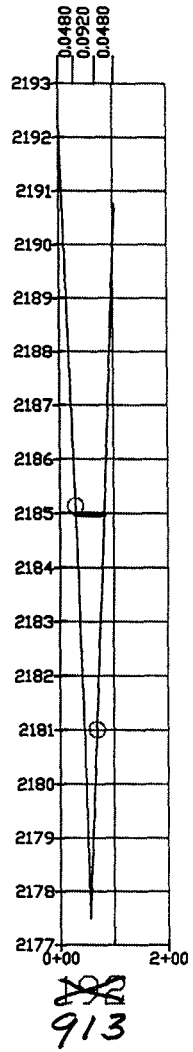
Cross-Section:	~~190~~ 910	
Elevation:	2176.75	ft MSL
Depth:	4.74	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4872	
Flow Regime:	Subcritical	
Flow Area:	221.06	sq ft
Average Velocity:	6.02	ft/s
Maximum Velocity:	6.11	ft/s
Composite n:	0.0771	
Hydraulic Radius:	2.55	ft
Wetted Perimeter:	86.60	ft
Wetted Top Width:	86.03	ft
Critical Slope:	0.1172	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~190~~ 910

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02



Normal Depth Results

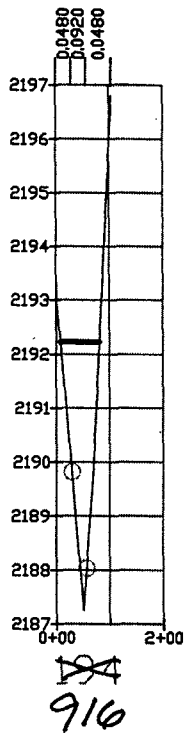
Cross-Section:	~~192~~ 913	
Elevation:	2184.99	ft MSL
Depth:	7.49	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4498	
Flow Regime:	Subcritical	
Flow Area:	190.50	sq ft
Average Velocity:	6.98	ft/s
Maximum Velocity:	7.95	ft/s
Composite n:	0.0815	
Hydraulic Radius:	3.47	ft
Wetted Perimeter:	54.92	ft
Wetted Top Width:	52.81	ft
Critical Slope:	0.1374	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~192~~ 913

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



Normal Depth Results

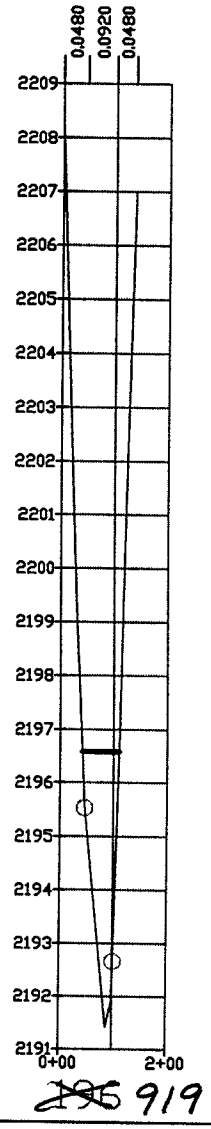
Cross-Section:	~~194~~ 916	
Elevation:	2192.23	ft MSL
Depth:	4.97	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.5624	
Flow Regime:	Subcritical	
Flow Area:	186.99	sq ft
Average Velocity:	7.14	ft/s
Maximum Velocity:	8.78	ft/s
Composite n:	0.0663	
Hydraulic Radius:	2.54	ft
Wetted Perimeter:	73.62	ft
Wetted Top Width:	72.91	ft
Critical Slope:	0.0914	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~194~~916

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



Normal Depth Results

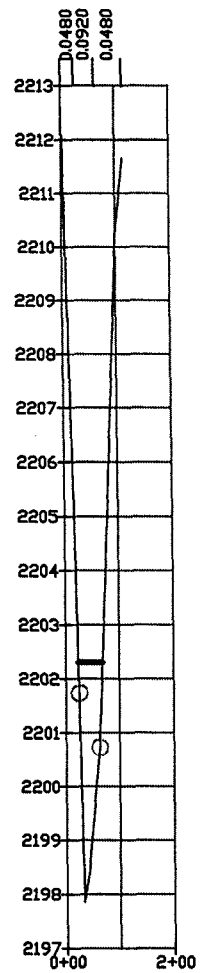
Cross-Section:	~~196~~ 919	
Elevation:	2196.58	ft MSL
Depth:	5.15	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4873	
Flow Regime:	Subcritical	
Flow Area:	211.92	sq ft
Average Velocity:	6.29	ft/s
Maximum Velocity:	7.72	ft/s
Composite n:	0.0832	
Hydraulic Radius:	3.02	ft
Wetted Perimeter:	70.07	ft
Wetted Top Width:	68.85	ft
Critical Slope:	0.1184	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~196~~ 919

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



~~198~~ 922

Normal Depth Results

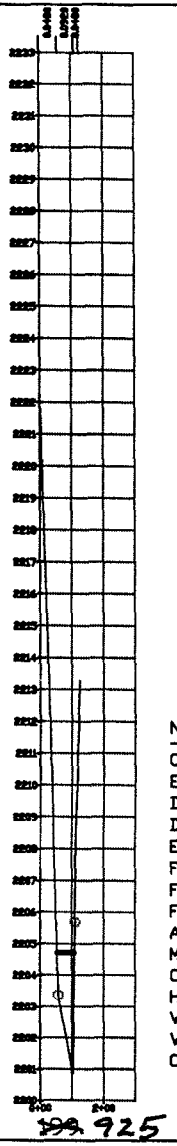
Cross-Section:	~~198~~ 922	
Elevation:	2202.31	ft MSL
Depth:	4.45	ft
Discharge:	650.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4579	
Flow Regime:	Subcritical	
Flow Area:	118.68	sq ft
Average Velocity:	5.46	ft/s
Maximum Velocity:	5.52	ft/s
Composite n:	0.0855	
Hydraulic Radius:	2.57	ft
Wetted Perimeter:	46.27	ft
Wetted Top Width:	44.89	ft
Critical Slope:	0.1342	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~198~~ 922

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



Normal Depth Results

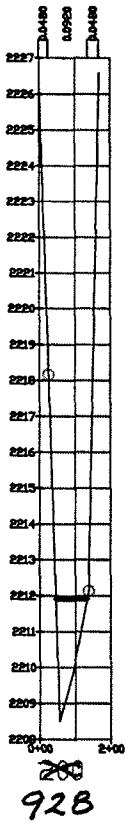
Cross-Section:	~~199~~ 925	
Elevation:	2204.71	ft MSL
Depth:	3.84	ft
Discharge:	650.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.441	
Flow Regime:	Subcritical	
Flow Area:	132.61	sq ft
Average Velocity:	4.89	ft/s
Maximum Velocity:	4.91	ft/s
Composite n:	0.0891	
Hydraulic Radius:	2.33	ft
Wetted Perimeter:	56.96	ft
Wetted Top Width:	55.31	ft
Critical Slope:	0.1432	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

.Figure E2 – Wash: T3N–R8W–S05E–~~189~~ 925

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/19/02



Normal Depth Results

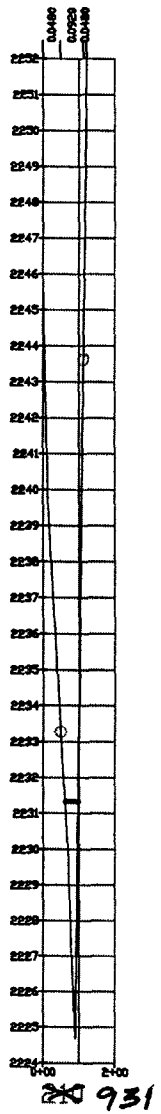
Cross-Section:	~~200~~ 928	
Elevation:	2211.92	ft MSL
Depth:	3.40	ft
Discharge:	650.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.3842	
Flow Regime:	Subcritical	
Flow Area:	161.67	sq ft
Average Velocity:	4.03	ft/s
Maximum Velocity:	4.03	ft/s
Composite n:	0.092	
Hydraulic Radius:	1.83	ft
Wetted Perimeter:	88.28	ft
Wetted Top Width:	87.68	ft
Critical Slope:	0.1863	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~200~~ 928

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02



Normal Depth Results

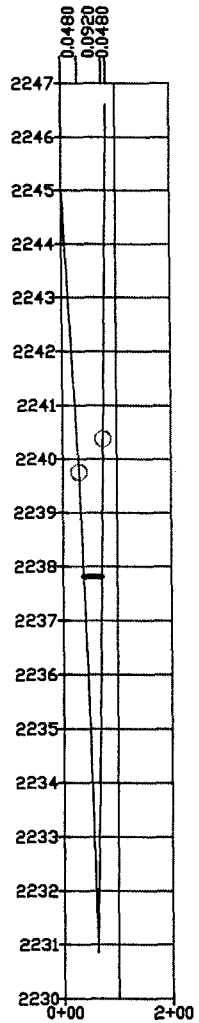
Cross-Section:	~~210~~ 931	
Elevation:	2231.34	ft MSL
Depth:	6.65	ft
Discharge:	650.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.3784	
Flow Regime:	Subcritical	
Flow Area:	117.44	sq ft
Average Velocity:	5.53	ft/s
Maximum Velocity:	5.53	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.95	ft
Wetted Perimeter:	39.86	ft
Wetted Top Width:	36.67	ft
Critical Slope:	0.193	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~210~~ 931

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02



~~212~~
934

Normal Depth Results

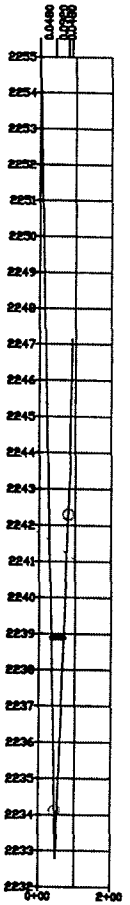
Cross-Section:	~~212~~ 934	
Elevation:	2237.82	ft MSL
Depth:	6.96	ft
Discharge:	650.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.3796	
Flow Regime:	Subcritical	
Flow Area:	114.43	sq ft
Average Velocity:	5.68	ft/s
Maximum Velocity:	5.68	ft/s
Composite n:	0.092	
Hydraulic Radius:	3.07	ft
Wetted Perimeter:	37.32	ft
Wetted Top Width:	34.04	ft
Critical Slope:	0.1916	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~212~~ 934

Entellus™

File: T3N-R8W-S05E-Top.dwg; Date: 9/09/02



~~214~~ 937

Normal Depth Results

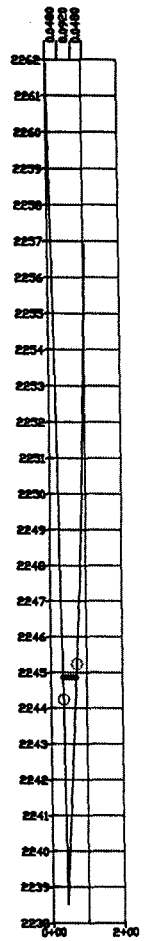
Cross-Section:	~~214~~ 937	
Elevation:	2238.89	ft MSL
Depth:	6.09	ft
Discharge:	650.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4577	
Flow Regime:	Subcritical	
Flow Area:	101.44	sq ft
Average Velocity:	6.41	ft/s
Maximum Velocity:	8.63	ft/s
Composite n:	0.0796	
Hydraulic Radius:	2.8	ft
Wetted Perimeter:	36.27	ft
Wetted Top Width:	33.98	ft
Critical Slope:	0.142	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~214~~937

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02



~~216~~ 940

Normal Depth Results

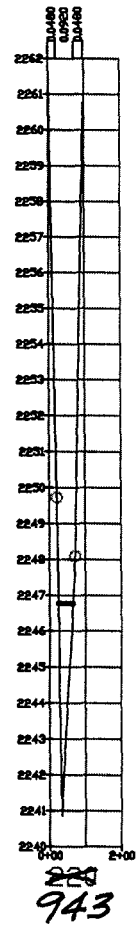
Cross-Section:	~~216~~ 940	
Elevation:	2244.87	ft MSL
Depth:	6.34	ft
Discharge:	650.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.3902	
Flow Regime:	Subcritical	
Flow Area:	116.64	sq ft
Average Velocity:	5.58	ft/s
Maximum Velocity:	5.59	ft/s
Composite n:	0.0906	
Hydraulic Radius:	2.9	ft
Wetted Perimeter:	40.17	ft
Wetted Top Width:	37.25	ft
Critical Slope:	0.1823	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~216~~ 940

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02



Normal Depth Results

Cross-Section:	~~220~~ 943	
Elevation:	2246.77	ft MSL
Depth:	5.90	ft
Discharge:	650.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.3881	
Flow Regime:	Subcritical	
Flow Area:	121.58	sq ft
Average Velocity:	5.36	ft/s
Maximum Velocity:	5.36	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.82	ft
Wetted Perimeter:	43.18	ft
Wetted Top Width:	40.85	ft
Critical Slope:	0.182	ft/ft

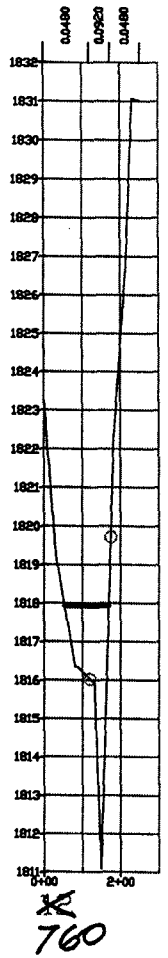
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05E–~~220~~ 943

Entellus™

File: T3N-R8W-S05E-Top.dwg Date: 9/09/02

T3N-R8W-S05W



Normal Depth Results

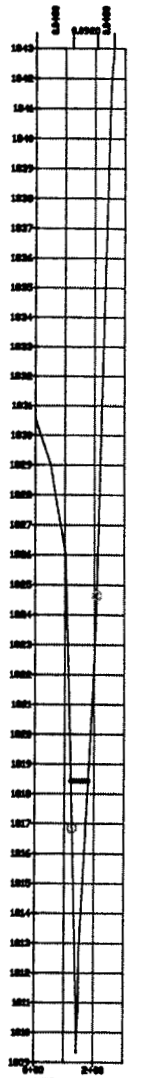
Cross-Section:	XS 760	
Elevation:	1817.95	ft MSL
Depth:	6.85	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3582	
Flow Regime:	Subcritical	
Flow Area:	259.58	sq ft
Average Velocity:	5.30	ft/s
Maximum Velocity:	5.44	ft/s
Composite n:	0.0688	
Hydraulic Radius:	2.21	ft
Wetted Perimeter:	117.46	ft
Wetted Top Width:	115.63	ft
Critical Slope:	0.1635	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~XS~~ 760

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



765

Normal Depth Results

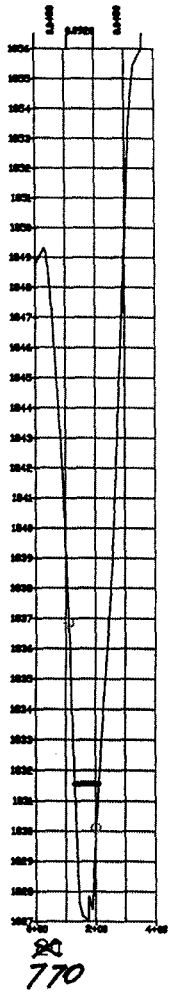
Cross-Section:	~~15~~ 765	
Elevation:	1818.45	ft MSL
Depth:	9.13	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3443	
Flow Regime:	Subcritical	
Flow Area:	233.82	sq ft
Average Velocity:	5.91	ft/s
Maximum Velocity:	5.94	ft/s
Composite n:	0.0892	
Hydraulic Radius:	3.82	ft
Wetted Perimeter:	61.25	ft
Wetted Top Width:	57.65	ft
Critical Slope:	0.1766	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~15~~765

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

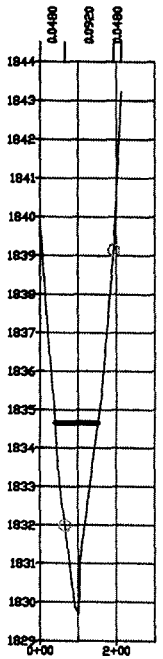
Cross-Section:	~~20~~ 770	
Elevation:	1831.58	ft MSL
Depth:	4.58	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4383	
Flow Regime:	Subcritical	
Flow Area:	259.48	sq ft
Average Velocity:	5.31	ft/s
Maximum Velocity:	5.36	ft/s
Composite n:	0.0875	
Hydraulic Radius:	3.16	ft
Wetted Perimeter:	82.18	ft
Wetted Top Width:	80.78	ft
Critical Slope:	0.1097	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~20~~ 770

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



~~22~~ 775

Normal Depth Results

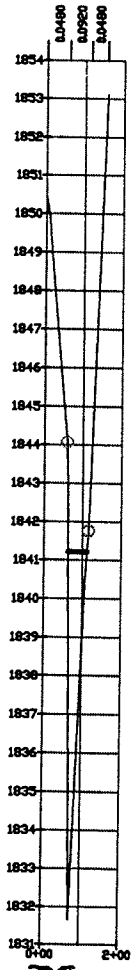
Cross-Section:	~~22~~ 775	
Elevation:	1834.66	ft MSL
Depth:	4.95	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3834	
Flow Regime:	Subcritical	
Flow Area:	285.24	sq ft
Average Velocity:	4.83	ft/s
Maximum Velocity:	5.93	ft/s
Composite n:	0.0832	
Hydraulic Radius:	2.53	ft
Wetted Perimeter:	112.90	ft
Wetted Top Width:	112.24	ft
Critical Slope:	0.1446	ft/ft

File: T3N-R8W-S05W.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~22~~ 775

Entellus™



~~28~~ 780

Normal Depth Results

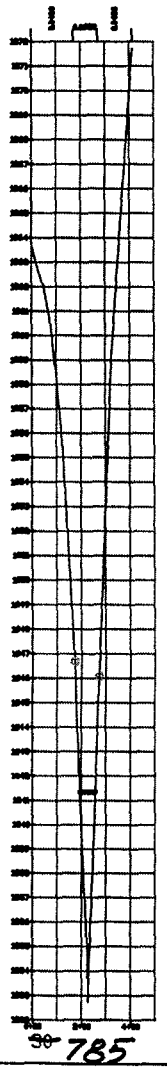
Cross-Section:	~~28~~ 780	
Elevation:	1841.22	ft MSL
Depth:	9.55	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3446	
Flow Regime:	Subcritical	
Flow Area:	228.47	sq ft
Average Velocity:	6.05	ft/s
Maximum Velocity:	6.05	ft/s
Composite n:	0.092	
Hydraulic Radius:	4.17	ft
Wetted Perimeter:	54.85	ft
Wetted Top Width:	49.59	ft
Critical Slope:	0.1747	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~28~~ 780

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

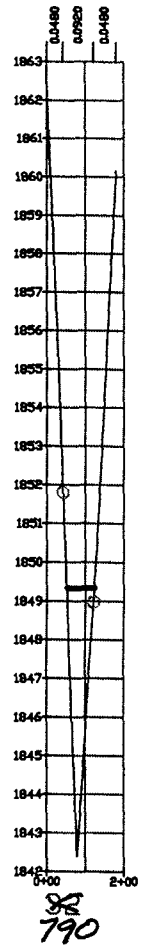
Cross-Section:	~~30~~ 785	
Elevation:	1841.35	ft MSL
Depth:	8.60	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3369	
Flow Regime:	Subcritical	
Flow Area:	246.19	sq ft
Average Velocity:	5.60	ft/s
Maximum Velocity:	5.60	ft/s
Composite n:	0.092	
Hydraulic Radius:	3.71	ft
Wetted Perimeter:	66.27	ft
Wetted Top Width:	63.06	ft
Critical Slope:	0.1834	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~30~~ 785

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

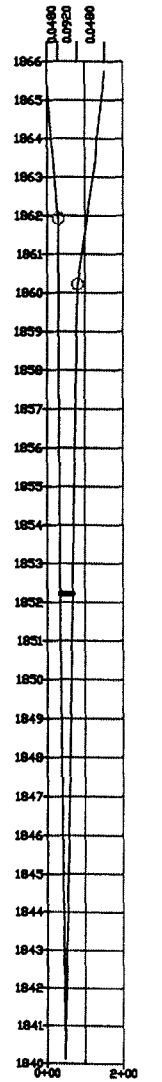
Cross-Section:	~~32~~ 790	
Elevation:	1849.34	ft MSL
Depth:	6.93	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3644	
Flow Regime:	Subcritical	
Flow Area:	253.60	sq ft
Average Velocity:	5.44	ft/s
Maximum Velocity:	5.45	ft/s
Composite n:	0.0908	
Hydraulic Radius:	3.46	ft
Wetted Perimeter:	73.30	ft
Wetted Top Width:	71.90	ft
Critical Slope:	0.1584	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~32~~ 790

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



~~34~~ 795

Normal Depth Results

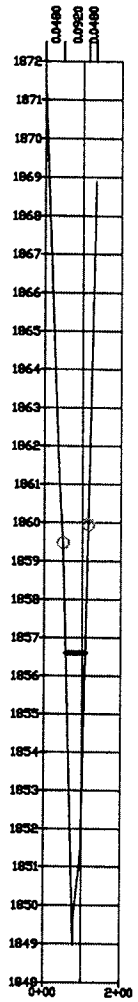
Cross-Section:	~~34~~ 795	
Elevation:	1852.22	ft MSL
Depth:	12.09	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3443	
Flow Regime:	Subcritical	
Flow Area:	203.20	sq ft
Average Velocity:	6.78	ft/s
Maximum Velocity:	6.78	ft/s
Composite n:	0.092	
Hydraulic Radius:	4.95	ft
Wetted Perimeter:	41.08	ft
Wetted Top Width:	32.93	ft
Critical Slope:	0.176	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~34~~795

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



~~26~~
800

Normal Depth Results

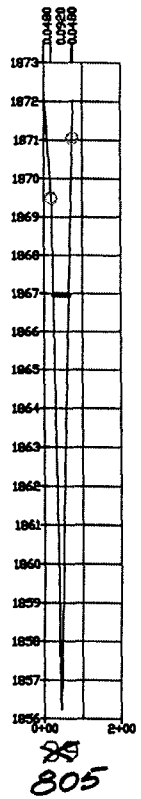
Cross-Section:	~~26~~ 800	
Elevation:	1856.61	ft MSL
Depth:	7.63	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3885	
Flow Regime:	Subcritical	
Flow Area:	226.72	sq ft
Average Velocity:	6.09	ft/s
Maximum Velocity:	6.09	ft/s
Composite n:	0.092	
Hydraulic Radius:	4.21	ft
Wetted Perimeter:	53.85	ft
Wetted Top Width:	51.11	ft
Critical Slope:	0.1376	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~36~~800

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

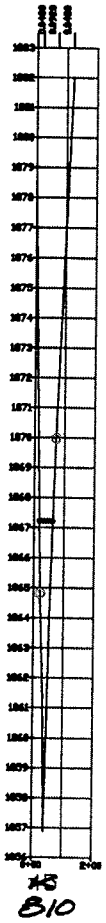
Cross-Section:	~~30~~ 805	
Elevation:	1866.97	ft MSL
Depth:	10.72	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3477	
Flow Regime:	Subcritical	
Flow Area:	213.72	sq ft
Average Velocity:	6.45	ft/s
Maximum Velocity:	6.45	ft/s
Composite n:	0.092	
Hydraulic Radius:	4.58	ft
Wetted Perimeter:	46.63	ft
Wetted Top Width:	40.86	ft
Critical Slope:	0.1726	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~30~~805

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

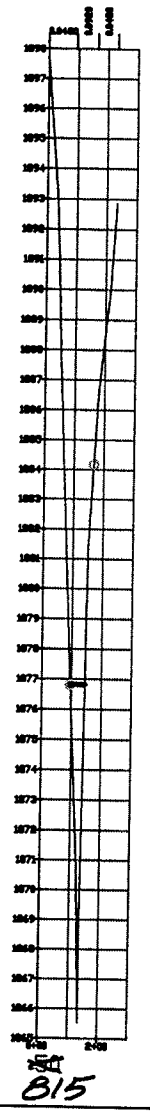
Cross-Section:	~~45~~ 810	
Elevation:	1867.22	ft MSL
Depth:	10.33	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.352	
Flow Regime:	Subcritical	
Flow Area:	215.02	sq ft
Average Velocity:	6.43	ft/s
Maximum Velocity:	6.47	ft/s
Composite n:	0.0885	
Hydraulic Radius:	4.29	ft
Wetted Perimeter:	50.13	ft
Wetted Top Width:	45.27	ft
Critical Slope:	0.1686	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~45~~ 810

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

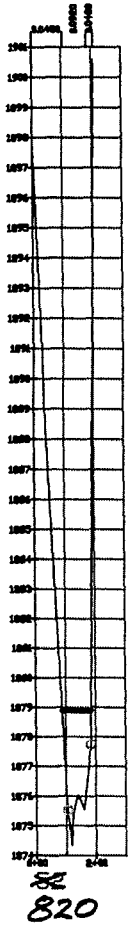
Cross-Section:	~~50~~ 815	
Elevation:	1876.83	ft MSL
Depth:	11.29	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.312	
Flow Regime:	Subcritical	
Flow Area:	232.05	sq ft
Average Velocity:	5.94	ft/s
Maximum Velocity:	5.94	ft/s
Composite n:	0.0919	
Hydraulic Radius:	4.05	ft
Wetted Perimeter:	57.25	ft
Wetted Top Width:	49.90	ft
Critical Slope:	0.2141	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~50~~ 815

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

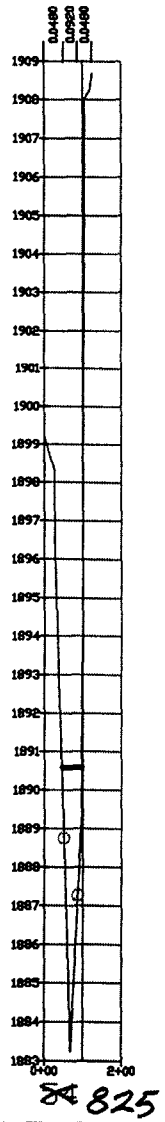
Cross-Section:	~~SE~~ 820	
Elevation:	1878.89	ft MSL
Depth:	4.53	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4198	
Flow Regime:	Subcritical	
Flow Area:	272.38	sq ft
Average Velocity:	5.05	ft/s
Maximum Velocity:	6.24	ft/s
Composite n:	0.0845	
Hydraulic Radius:	2.77	ft
Wetted Perimeter:	98.44	ft
Wetted Top Width:	97.39	ft
Critical Slope:	0.1207	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~SE~~ 820

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

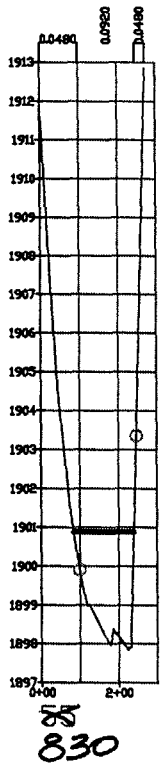
Cross-Section:	~~54~~ 825	
Elevation:	1890.59	ft MSL
Depth:	7.34	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4304	
Flow Regime:	Subcritical	
Flow Area:	208.60	sq ft
Average Velocity:	6.62	ft/s
Maximum Velocity:	6.98	ft/s
Composite n:	0.0797	
Hydraulic Radius:	3.8	ft
Wetted Perimeter:	54.89	ft
Wetted Top Width:	52.35	ft
Critical Slope:	0.1141	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~54~~825

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

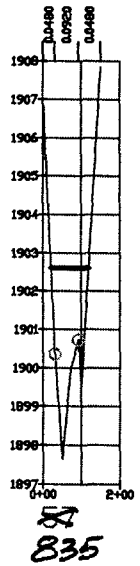
Cross-Section:	~~55~~ 830	
Elevation:	1900.89	ft MSL
Depth:	3.05	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4118	
Flow Regime:	Subcritical	
Flow Area:	338.47	sq ft
Average Velocity:	4.08	ft/s
Maximum Velocity:	4.11	ft/s
Composite n:	0.0883	
Hydraulic Radius:	2.16	ft
Wetted Perimeter:	156.61	ft
Wetted Top Width:	156.02	ft
Critical Slope:	0.1233	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~55~~ 830

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

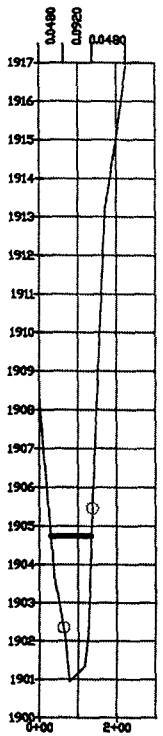
Cross-Section:	~~87~~ 835	
Elevation:	1902.61	ft MSL
Depth:	4.95	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4232	
Flow Regime:	Subcritical	
Flow Area:	258.29	sq ft
Average Velocity:	5.34	ft/s
Maximum Velocity:	6.59	ft/s
Composite n:	0.0772	
Hydraulic Radius:	2.61	ft
Wetted Perimeter:	98.96	ft
Wetted Top Width:	98.03	ft
Critical Slope:	0.1191	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~87~~ 835

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



~~88~~ 840

Normal Depth Results

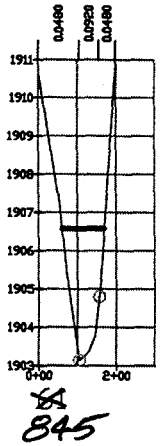
Cross-Section:	~~88~~ 840	
Elevation:	1904.75	ft MSL
Depth:	3.80	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4602	
Flow Regime:	Subcritical	
Flow Area:	271.36	sq ft
Average Velocity:	5.09	ft/s
Maximum Velocity:	5.57	ft/s
Composite n:	0.0795	
Hydraulic Radius:	2.57	ft
Wetted Perimeter:	105.43	ft
Wetted Top Width:	104.84	ft
Critical Slope:	0.0985	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~80~~ 840

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

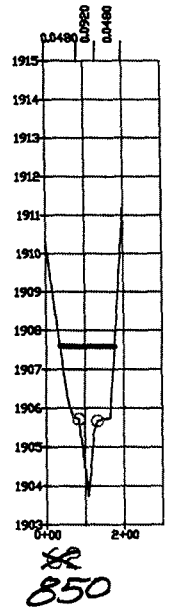
Cross-Section:	~~84~~ 845	
Elevation:	1906.59	ft MSL
Depth:	3.44	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.5236	
Flow Regime:	Subcritical	
Flow Area:	250.66	sq ft
Average Velocity:	5.49	ft/s
Maximum Velocity:	6.79	ft/s
Composite n:	0.0702	
Hydraulic Radius:	2.29	ft
Wetted Perimeter:	109.62	ft
Wetted Top Width:	109.30	ft
Critical Slope:	0.0814	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~84~~845

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

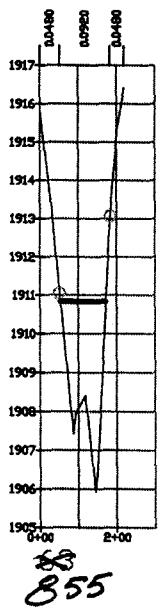
Cross-Section:	~~SR~~ 850	
Elevation:	1907.59	ft MSL
Depth:	3.84	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4654	
Flow Regime:	Subcritical	
Flow Area:	266.86	sq ft
Average Velocity:	5.18	ft/s
Maximum Velocity:	6.19	ft/s
Composite n:	0.0646	
Hydraulic Radius:	1.89	ft
Wetted Perimeter:	141.24	ft
Wetted Top Width:	140.86	ft
Critical Slope:	0.0995	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~SR~~ 850

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

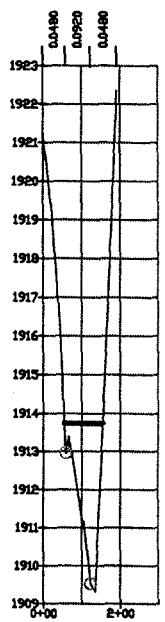
Cross-Section:	~~83~~ 855	
Elevation:	1910.84	ft MSL
Depth:	4.90	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3521	
Flow Regime:	Subcritical	
Flow Area:	312.24	sq ft
Average Velocity:	4.44	ft/s
Maximum Velocity:	4.44	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.62	ft
Wetted Perimeter:	119.27	ft
Wetted Top Width:	118.51	ft
Critical Slope:	0.1664	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~83~~ 855

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



~~84~~ 860

Normal Depth Results

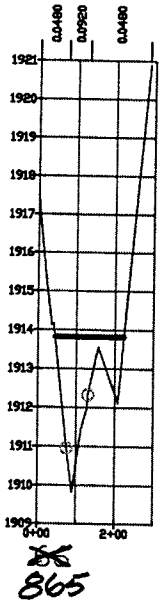
Cross-Section:	~~84~~ 860	
Elevation:	1913.75	ft MSL
Depth:	4.41	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.5117	
Flow Regime:	Subcritical	
Flow Area:	226.44	sq ft
Average Velocity:	6.07	ft/s
Maximum Velocity:	9.32	ft/s
Composite n:	0.0779	
Hydraulic Radius:	2.23	ft
Wetted Perimeter:	101.48	ft
Wetted Top Width:	100.72	ft
Critical Slope:	0.1331	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~84~~ 860

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

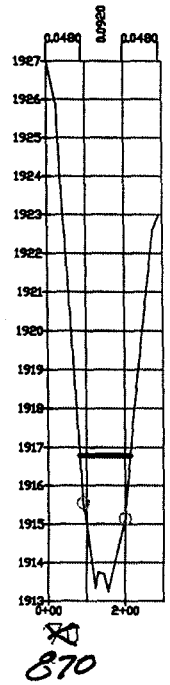
Cross-Section:	~~56~~ 865	
Elevation:	1913.82	ft MSL
Depth:	3.99	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4196	
Flow Regime:	Subcritical	
Flow Area:	290.22	sq ft
Average Velocity:	4.73	ft/s
Maximum Velocity:	5.67	ft/s
Composite n:	0.0631	
Hydraulic Radius:	1.61	ft
Wetted Perimeter:	179.94	ft
Wetted Top Width:	179.52	ft
Critical Slope:	0.1217	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~56~~ 865

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

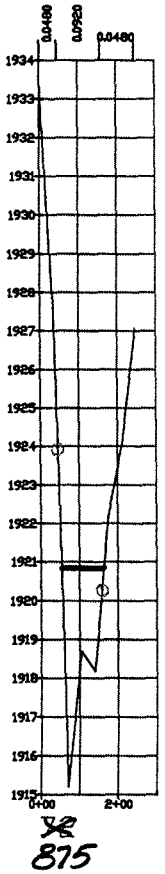
Cross-Section:	~~70~~ 870	
Elevation:	1916.78	ft MSL
Depth:	3.53	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4193	
Flow Regime:	Subcritical	
Flow Area:	308.60	sq ft
Average Velocity:	4.47	ft/s
Maximum Velocity:	4.51	ft/s
Composite n:	0.0851	
Hydraulic Radius:	2.34	ft
Wetted Perimeter:	131.68	ft
Wetted Top Width:	131.36	ft
Critical Slope:	0.1193	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~70~~ 870

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

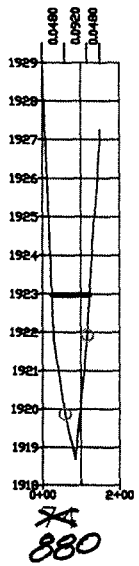
Cross-Section:	875	
Elevation:	1920.84	ft MSL
Depth:	5.64	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.343	
Flow Regime:	Subcritical	
Flow Area:	298.64	sq ft
Average Velocity:	4.62	ft/s
Maximum Velocity:	4.63	ft/s
Composite n:	0.0902	
Hydraulic Radius:	2.68	ft
Wetted Perimeter:	111.49	ft
Wetted Top Width:	110.21	ft
Critical Slope:	0.179	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–875

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

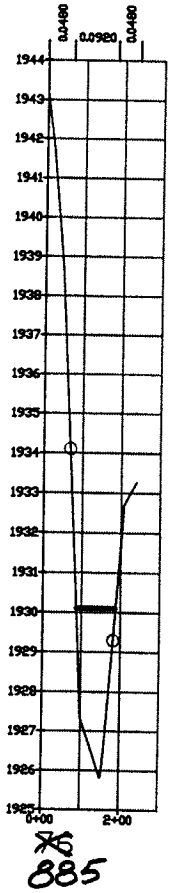
Cross-Section:	~~74~~ 880	
Elevation:	1922.98	ft MSL
Depth:	4.28	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4679	
Flow Regime:	Subcritical	
Flow Area:	251.43	sq ft
Average Velocity:	5.47	ft/s
Maximum Velocity:	6.87	ft/s
Composite n:	0.0756	
Hydraulic Radius:	2.56	ft
Wetted Perimeter:	98.22	ft
Wetted Top Width:	97.74	ft
Critical Slope:	0.1013	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~74~~880

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

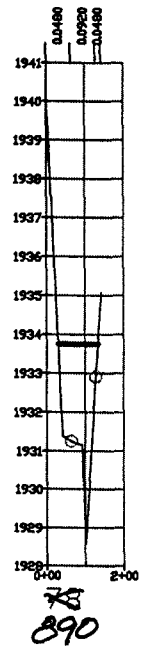
Cross-Section:	~~76~~ 885	
Elevation:	1930.12	ft MSL
Depth:	4.29	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4104	
Flow Regime:	Subcritical	
Flow Area:	286.34	sq ft
Average Velocity:	4.82	ft/s
Maximum Velocity:	4.85	ft/s
Composite n:	0.0896	
Hydraulic Radius:	2.83	ft
Wetted Perimeter:	101.30	ft
Wetted Top Width:	100.68	ft
Critical Slope:	0.1247	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~76~~885

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

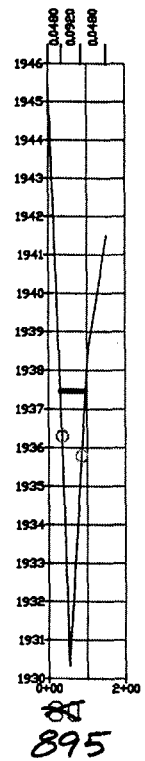
Cross-Section:	~~78~~ 890	
Elevation:	1933.75	ft MSL
Depth:	5.17	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4161	
Flow Regime:	Subcritical	
Flow Area:	257.01	sq ft
Average Velocity:	5.36	ft/s
Maximum Velocity:	7.12	ft/s
Composite n:	0.0767	
Hydraulic Radius:	2.47	ft
Wetted Perimeter:	103.99	ft
Wetted Top Width:	102.97	ft
Critical Slope:	0.1322	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~78~~ 890

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~80~~ 895	
Elevation:	1937.48	ft MSL
Depth:	7.15	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.3934	
Flow Regime:	Subcritical	
Flow Area:	231.29	sq ft
Average Velocity:	5.98	ft/s
Maximum Velocity:	6.09	ft/s
Composite n:	0.0834	
Hydraulic Radius:	3.46	ft
Wetted Perimeter:	66.93	ft
Wetted Top Width:	65.26	ft
Critical Slope:	0.1382	ft/ft

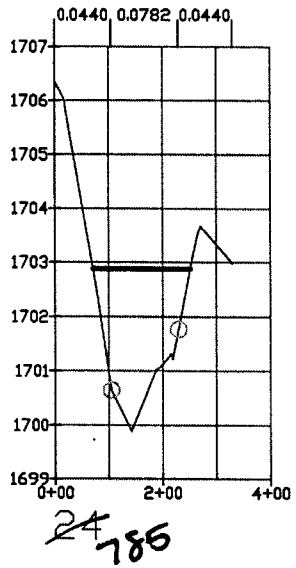
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S05W–~~80~~ 895

Entellus™

File: T3N-R8W-S05W.dwg Date: 7/12/02

T3N-R8W-S10



Normal Depth Results

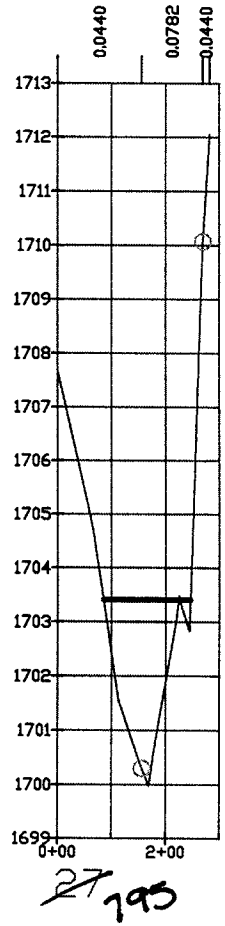
Cross-Section:	~~24~~ 785	
Elevation:	1702.88	ft MSL
Depth:	2.99	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.4154	
Flow Regime:	Subcritical	
Flow Area:	326.36	sq ft
Average Velocity:	4.05	ft/s
Maximum Velocity:	4.46	ft/s
Composite n:	0.0686	
Hydraulic Radius:	1.8	ft
Wetted Perimeter:	181.11	ft
Wetted Top Width:	180.97	ft
Critical Slope:	0.093	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~24~~785

Entellus™

File: T3N-R8W-S10.dwg Date: 7/12/02



Normal Depth Results ~~27~~ 795

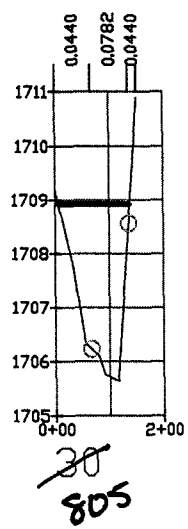
Cross-Section:		
Elevation:	1703.41	ft MSL
Depth:	3.43	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.4585	
Flow Regime:	Subcritical	
Flow Area:	276.18	sq ft
Average Velocity:	4.80	ft/s
Maximum Velocity:	6.43	ft/s
Composite n:	0.0641	
Hydraulic Radius:	1.74	ft
Wetted Perimeter:	158.81	ft
Wetted Top Width:	158.53	ft
Critical Slope:	0.0977	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~27~~ 795

Entellus™

File: T3N-R8W-S10.dwg; Date: 7/12/02



Normal Depth Results

Cross-Section:	~~30~~ 805	
Elevation:	1708.93	ft MSL
Depth:	3.28	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.4728	
Flow Regime:	Subcritical	
Flow Area:	273.92	sq ft
Average Velocity:	4.84	ft/s
Maximum Velocity:	5.39	ft/s
Composite n:	0.0632	
Hydraulic Radius:	2.07	ft
Wetted Perimeter:	132.31	ft
Wetted Top Width:	132.00	ft
Critical Slope:	0.0719	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~30~~ 805

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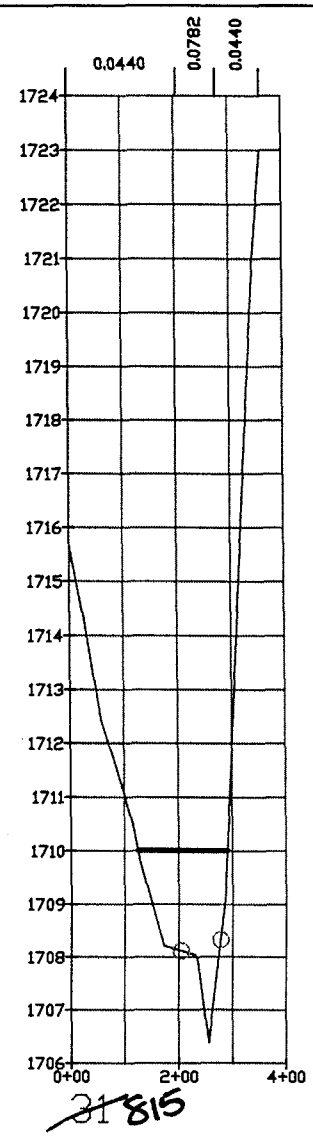
File: T3N-R8W-S10.dwg, Date: 7/12/02



Normal Depth Results

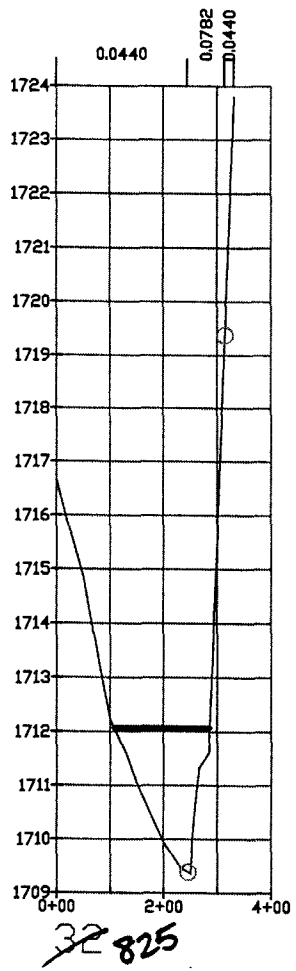
Cross-Section:	~~31~~ 815	
Elevation:	1710.01	ft MSL
Depth:	3.63	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.419	
Flow Regime:	Subcritical	
Flow Area:	293.58	sq ft
Average Velocity:	4.53	ft/s
Maximum Velocity:	5.01	ft/s
Composite n:	0.0602	
Hydraulic Radius:	1.76	ft
Wetted Perimeter:	167.11	ft
Wetted Top Width:	166.81	ft
Critical Slope:	0.0902	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~31~~ 815

Entellus™

File: T3N-R8W-S10.dwg; Date: 7/12/02



Normal Depth Results ~~32~~ 825

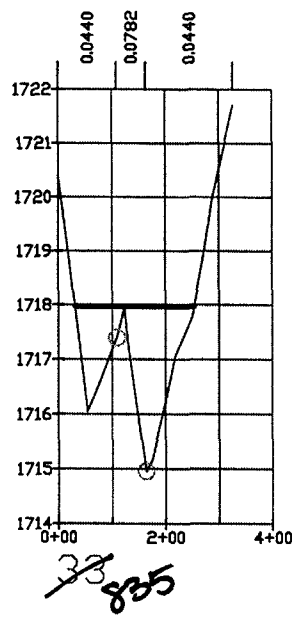
Cross-Section:		
Elevation:	1712.08	ft MSL
Depth:	2.72	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.5445	
Flow Regime:	Subcritical	
Flow Area:	261.32	sq ft
Average Velocity:	5.07	ft/s
Maximum Velocity:	5.62	ft/s
Composite n:	0.0527	
Hydraulic Radius:	1.46	ft
Wetted Perimeter:	179.07	ft
Wetted Top Width:	178.86	ft
Critical Slope:	0.0661	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~32~~ 825

Entellus™

File: T3N-R8W-S10.dwg, Date: 7/12/02



Normal Depth Results ~~33~~ 835

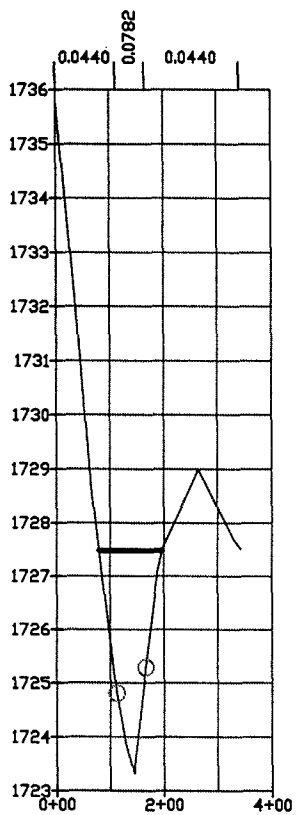
Cross-Section:		
Elevation:	1717.98	ft MSL
Depth:	3.02	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.4609	
Flow Regime:	Subcritical	
Flow Area:	292.83	sq ft
Average Velocity:	4.58	ft/s
Maximum Velocity:	5.44	ft/s
Composite n:	0.0533	
Hydraulic Radius:	1.31	ft
Wetted Perimeter:	223.28	ft
Wetted Top Width:	223.00	ft
Critical Slope:	0.0866	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~33~~ 835

Entellus™

File: T3N-R8W-S10.dwg; Date: 7/12/02



~~34~~ 845

Normal Depth Results

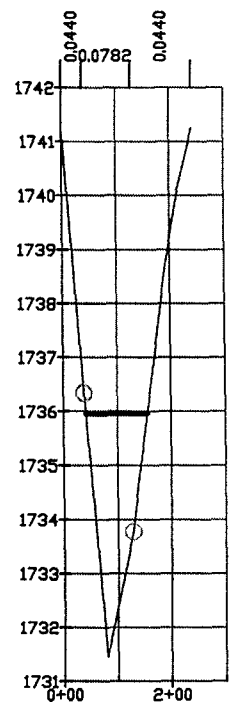
Cross-Section:	~~34~~ 845	
Elevation:	1727.48	ft MSL
Depth:	4.15	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.4458	
Flow Regime:	Subcritical	
Flow Area:	258.00	sq ft
Average Velocity:	5.16	ft/s
Maximum Velocity:	5.33	ft/s
Composite n:	0.0611	
Hydraulic Radius:	2.19	ft
Wetted Perimeter:	117.86	ft
Wetted Top Width:	117.55	ft
Critical Slope:	0.0793	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~34~~ 845

Entellus™

File: T3N-R8W-S10.dwg; Date: 7/12/02



~~35~~ 855

Normal Depth Results

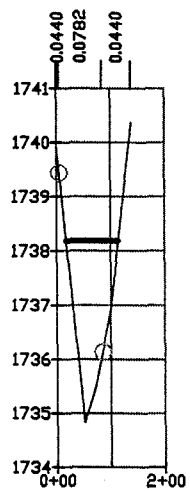
Cross-Section:	~~35~~ 855	
Elevation:	1735.96	ft MSL
Depth:	4.49	ft
Discharge:	1330.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.3949	
Flow Regime:	Subcritical	
Flow Area:	280.22	sq ft
Average Velocity:	4.75	ft/s
Maximum Velocity:	4.80	ft/s
Composite n:	0.0708	
Hydraulic Radius:	2.43	ft
Wetted Perimeter:	115.43	ft
Wetted Top Width:	115.03	ft
Critical Slope:	0.1	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~35~~ 855

Entellus™

File: T3N-R8W-S10.dwg; Date: 7/12/02



~~36~~ 865

Normal Depth Results

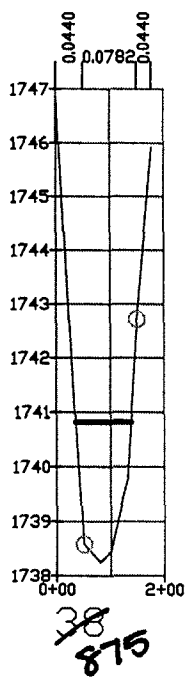
Cross-Section:	~~86~~ 865	
Elevation:	1738.18	ft MSL
Depth:	3.35	ft
Discharge:	760.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.3999	
Flow Regime:	Subcritical	
Flow Area:	182.95	sq ft
Average Velocity:	4.17	ft/s
Maximum Velocity:	4.69	ft/s
Composite n:	0.0685	
Hydraulic Radius:	1.89	ft
Wetted Perimeter:	96.87	ft
Wetted Top Width:	96.60	ft
Critical Slope:	0.0978	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~38~~ 865

Entellus™

File: T3N-R8W-S10.dwg, Date: 7/12/02



Normal Depth Results

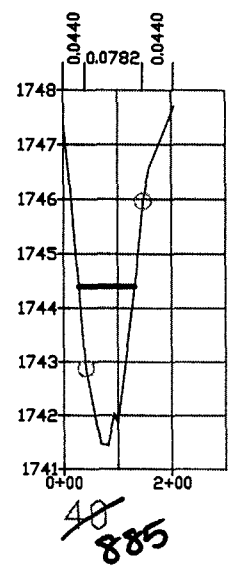
Cross-Section:	~~38~~ 875	
Elevation:	1740.82	ft MSL
Depth:	2.57	ft
Discharge:	760.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.4275	
Flow Regime:	Subcritical	
Flow Area:	195.59	sq ft
Average Velocity:	3.87	ft/s
Maximum Velocity:	4.53	ft/s
Composite n:	0.0736	
Hydraulic Radius:	1.89	ft
Wetted Perimeter:	103.70	ft
Wetted Top Width:	103.43	ft
Critical Slope:	0.0866	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~38~~ 875

Entellus™

File: T3N-R8W-S10.dwg; Date: 7/12/02



Normal Depth Results

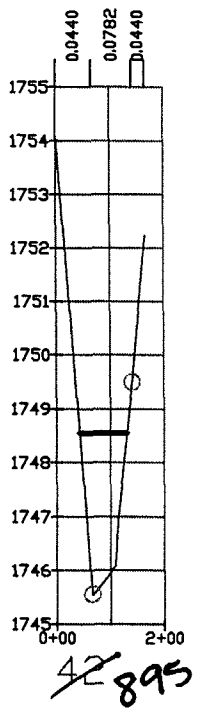
Cross-Section:	~~40~~ 885	
Elevation:	1744.40	ft MSL
Depth:	2.95	ft
Discharge:	760.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.3932	
Flow Regime:	Subcritical	
Flow Area:	198.41	sq ft
Average Velocity:	3.86	ft/s
Maximum Velocity:	3.87	ft/s
Composite n:	0.0743	
Hydraulic Radius:	1.91	ft
Wetted Perimeter:	103.86	ft
Wetted Top Width:	103.61	ft
Critical Slope:	0.0997	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~40~~ 885

Entellus™

File: T3N-R8W-S10.dwg, Date: 7/12/02



Normal Depth Results ~~42~~ 895

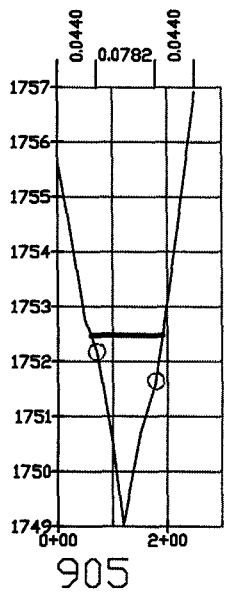
Cross-Section:		
Elevation:	1748.55	ft MSL
Depth:	3.00	ft
Discharge:	760.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.4376	
Flow Regime:	Subcritical	
Flow Area:	176.69	sq ft
Average Velocity:	4.29	ft/s
Maximum Velocity:	5.50	ft/s
Composite n:	0.0701	
Hydraulic Radius:	2	ft
Wetted Perimeter:	88.55	ft
Wetted Top Width:	88.19	ft
Critical Slope:	0.0851	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~42~~ 895

Entellus™

File: T3N-R8W-S10.dwg, Date: 7/12/02



Normal Depth Results

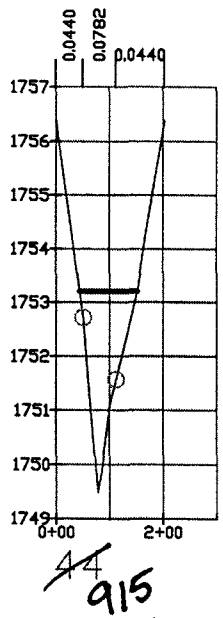
Cross-Section:	905	
Elevation:	1752.48	ft MSL
Depth:	3.47	ft
Discharge:	760.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.3396	
Flow Regime:	Subcritical	
Flow Area:	211.67	sq ft
Average Velocity:	3.59	ft/s
Maximum Velocity:	3.64	ft/s
Composite n:	0.0728	
Hydraulic Radius:	1.61	ft
Wetted Perimeter:	131.52	ft
Wetted Top Width:	131.32	ft
Critical Slope:	0.1415	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–905

Entellus™

File: T3N-R8W-S10.dwg Date: 07/12/02



Normal Depth Results

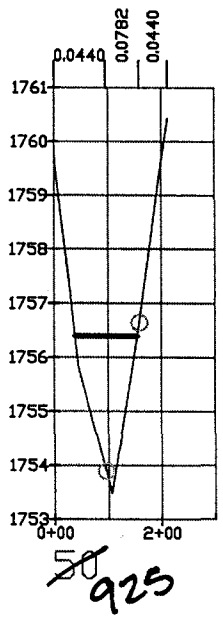
Cross-Section:	~~44~~ 915	
Elevation:	1753.21	ft MSL
Depth:	3.71	ft
Discharge:	760.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.3794	
Flow Regime:	Subcritical	
Flow Area:	183.33	sq ft
Average Velocity:	4.14	ft/s
Maximum Velocity:	4.26	ft/s
Composite n:	0.0648	
Hydraulic Radius:	1.69	ft
Wetted Perimeter:	108.42	ft
Wetted Top Width:	108.12	ft
Critical Slope:	0.112	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~44~~ 915

Entellus™

File: T3N-R8W-S10.dwg; Date: 7/12/02



Normal Depth Results

Cross-Section:	~~50~~ 925	
Elevation:	1756.39	ft MSL
Depth:	2.90	ft
Discharge:	760.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.4356	
Flow Regime:	Subcritical	
Flow Area:	180.55	sq ft
Average Velocity:	4.22	ft/s
Maximum Velocity:	5.28	ft/s
Composite n:	0.0625	
Hydraulic Radius:	1.54	ft
Wetted Perimeter:	116.97	ft
Wetted Top Width:	116.81	ft
Critical Slope:	0.0923	ft/ft

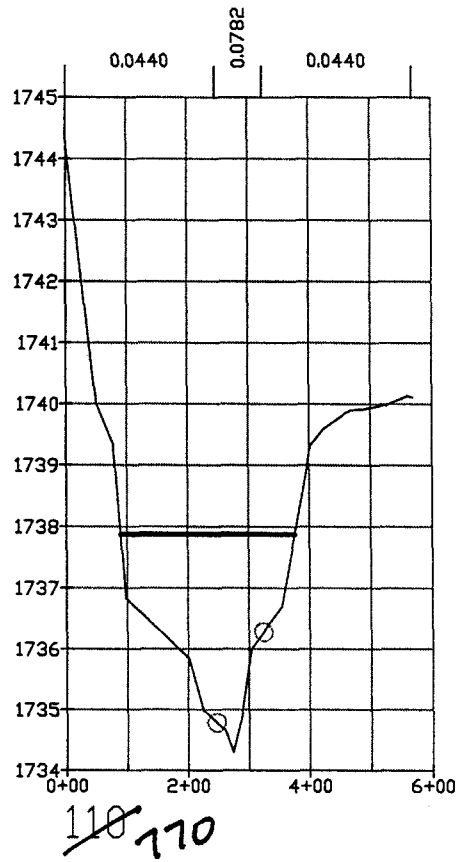
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S10–~~50~~ 925

Entellus™

File: T3N-R8W-S10.dwg, Date: 7/12/02

T3N-R8W-S11E



Normal Depth Results

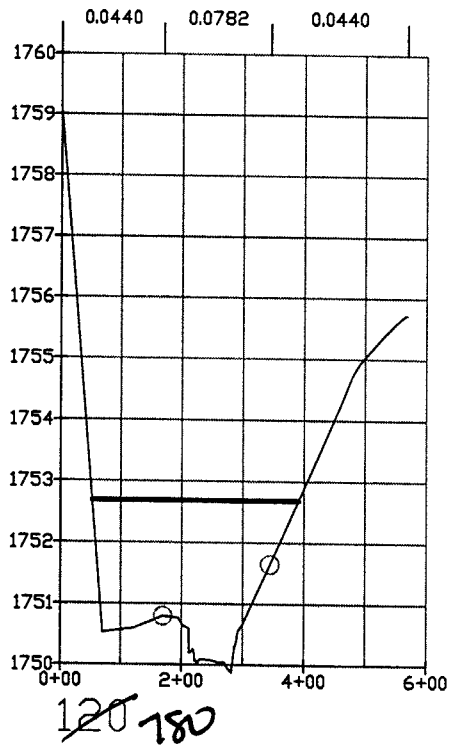
Cross-Section:	~~110~~ 770	
Elevation:	1737.88	ft MSL
Depth:	3.58	ft
Discharge:	3560.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.6012	
Flow Regime:	Subcritical	
Flow Area:	551.72	sq ft
Average Velocity:	6.48	ft/s
Maximum Velocity:	7.47	ft/s
Composite n:	0.0543	
Hydraulic Radius:	1.92	ft
Wetted Perimeter:	287.31	ft
Wetted Top Width:	287.13	ft
Critical Slope:	0.0641	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11E–~~110~~ 770

Entellus™

File: T3N-R8W-S11E-New-Mapping.dwg; Date: 9/09/02



Normal Depth Results

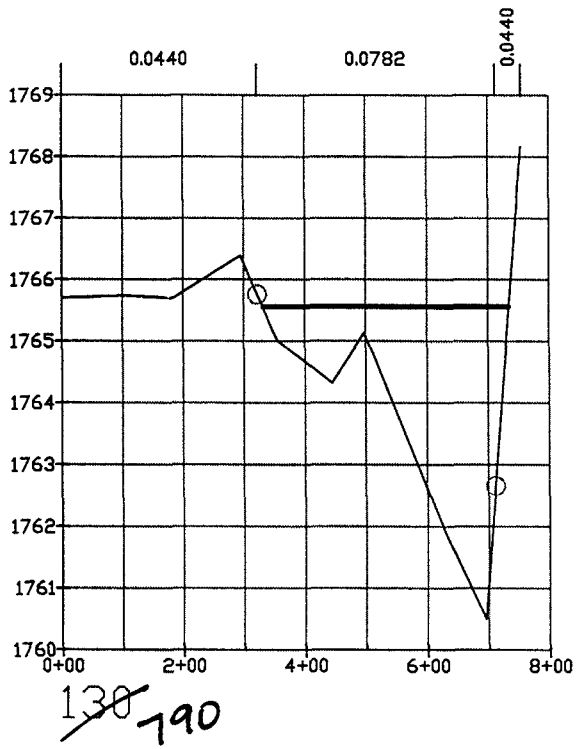
Cross-Section:	~~120~~ 780	
Elevation:	1752.69	ft MSL
Depth:	2.81	ft
Discharge:	3560.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.6012	
Flow Regime:	Subcritical	
Flow Area:	623.21	sq ft
Average Velocity:	5.71	ft/s
Maximum Velocity:	7.71	ft/s
Composite n:	0.0628	
Hydraulic Radius:	1.84	ft
Wetted Perimeter:	339.30	ft
Wetted Top Width:	339.05	ft
Critical Slope:	0.0714	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11E–~~120~~ 780

Entellus™

File: T3N-R8W-S11E-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

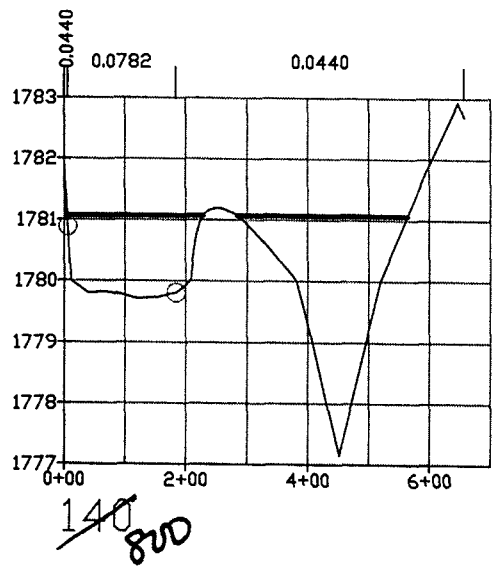
Cross-Section:	~~130~~ 790	
Elevation:	1765.56	ft MSL
Depth:	5.06	ft
Discharge:	3560.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.3551	
Flow Regime:	Subcritical	
Flow Area:	785.58	sq ft
Average Velocity:	4.52	ft/s
Maximum Velocity:	6.39	ft/s
Composite n:	0.0765	
Hydraulic Radius:	1.95	ft
Wetted Perimeter:	403.53	ft
Wetted Top Width:	403.14	ft
Critical Slope:	0.1766	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11E–~~130~~ 790

Entellus™

File: T3N-R8W-S11E-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

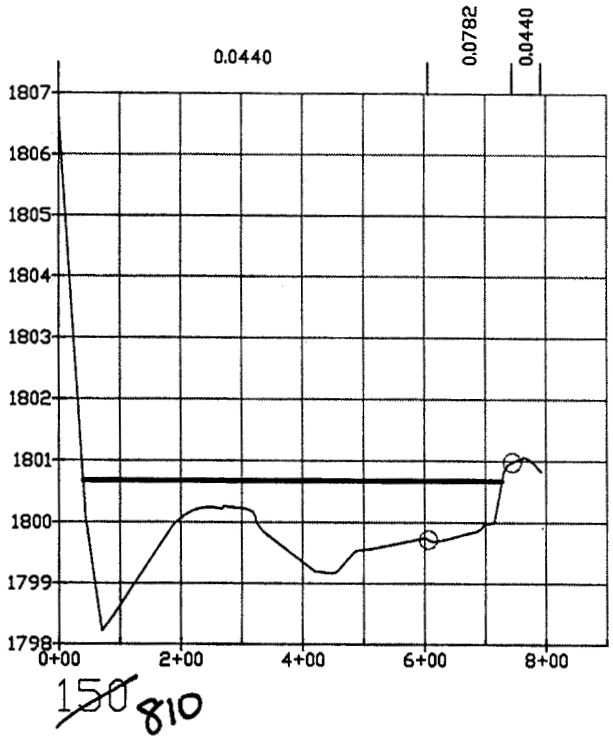
Cross-Section:	~~140~~ 800	
Elevation:	1781.08	ft MSL
Depth:	3.92	ft
Discharge:	3560.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4695	
Flow Regime:	Subcritical	
Flow Area:	675.52	sq ft
Average Velocity:	5.26	ft/s
Maximum Velocity:	6.23	ft/s
Composite n:	0.0572	
Hydraulic Radius:	1.34	ft
Wetted Perimeter:	504.13	ft
Wetted Top Width:	503.86	ft
Critical Slope:	0.1257	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11E–~~140~~ 800

Entellus™

File: T3N-R8W-S11E-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

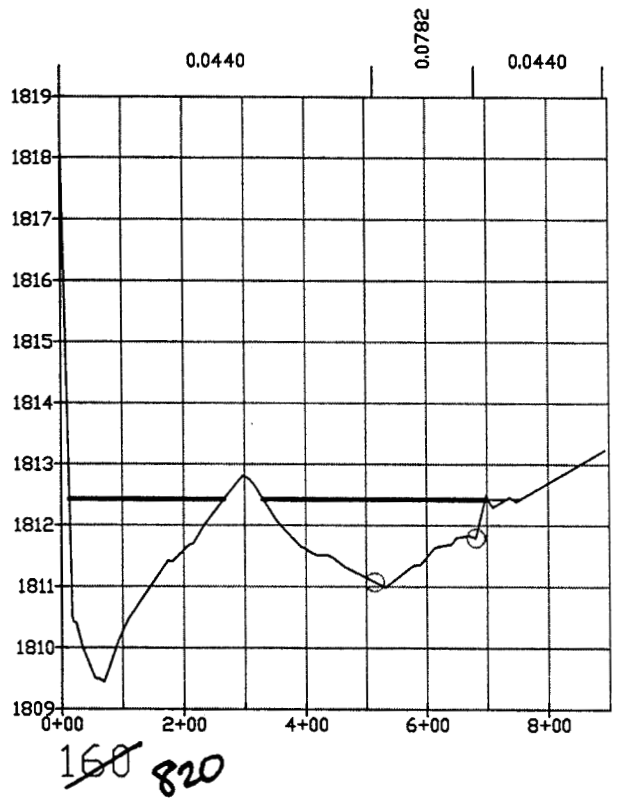
Cross-Section:	~~150~~ 810	
Elevation:	1800.68	ft MSL
Depth:	2.46	ft
Discharge:	3560.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.5574	
Flow Regime:	Subcritical	
Flow Area:	718.28	sq ft
Average Velocity:	4.93	ft/s
Maximum Velocity:	5.32	ft/s
Composite n:	0.0508	
Hydraulic Radius:	1.04	ft
Wetted Perimeter:	687.65	ft
Wetted Top Width:	687.49	ft
Critical Slope:	0.0868	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11E–~~150~~ 810

Entellus™

File: T3N-R8W-S11E-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

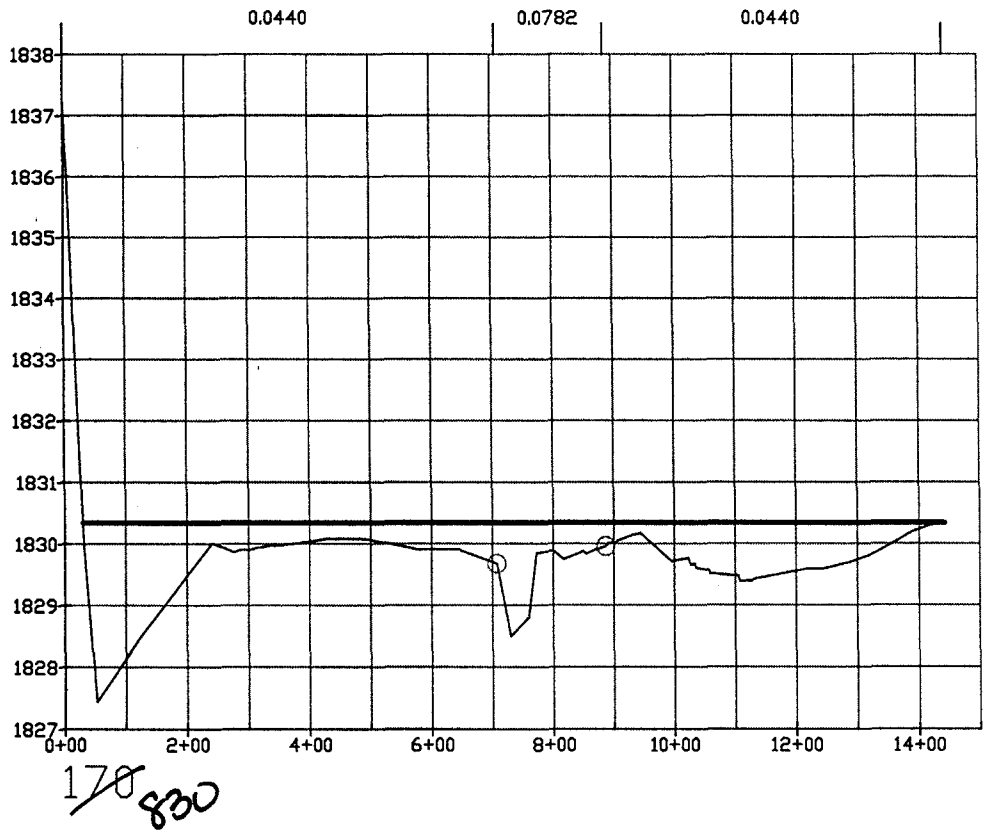
Cross-Section:	~~160~~ 820	
Elevation:	1812.43	ft MSL
Depth:	2.98	ft
Discharge:	3560.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.5123	
Flow Regime:	Subcritical	
Flow Area:	709.67	sq ft
Average Velocity:	5.02	ft/s
Maximum Velocity:	5.76	ft/s
Composite n:	0.0536	
Hydraulic Radius:	1.07	ft
Wetted Perimeter:	664.13	ft
Wetted Top Width:	663.65	ft
Critical Slope:	0.1136	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11E–~~160~~ 820

Entellus™

File: T3N-R8W-S11E-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

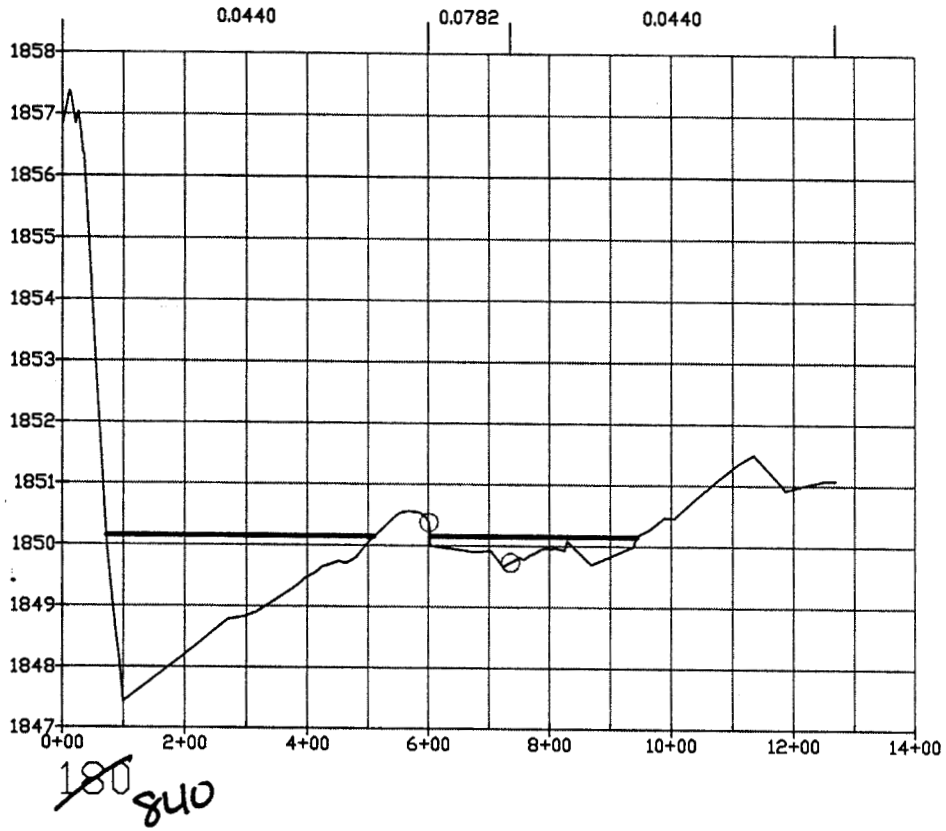
Cross-Section:	~~170~~ 830	
Elevation:	1830.35	ft MSL
Depth:	2.91	ft
Discharge:	3630.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.3858	
Flow Regime:	Subcritical	
Flow Area:	972.86	sq ft
Average Velocity:	3.67	ft/s
Maximum Velocity:	4.17	ft/s
Composite n:	0.0489	
Hydraulic Radius:	0.69	ft
Wetted Perimeter:	1412.68	ft
Wetted Top Width:	1412.38	ft
Critical Slope:	0.166	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11E–~~170~~ 830

Entellus™

File: T3N-R8W-S11E-New-Mapping.dwg Date: 9/09/02



Normal Depth Results

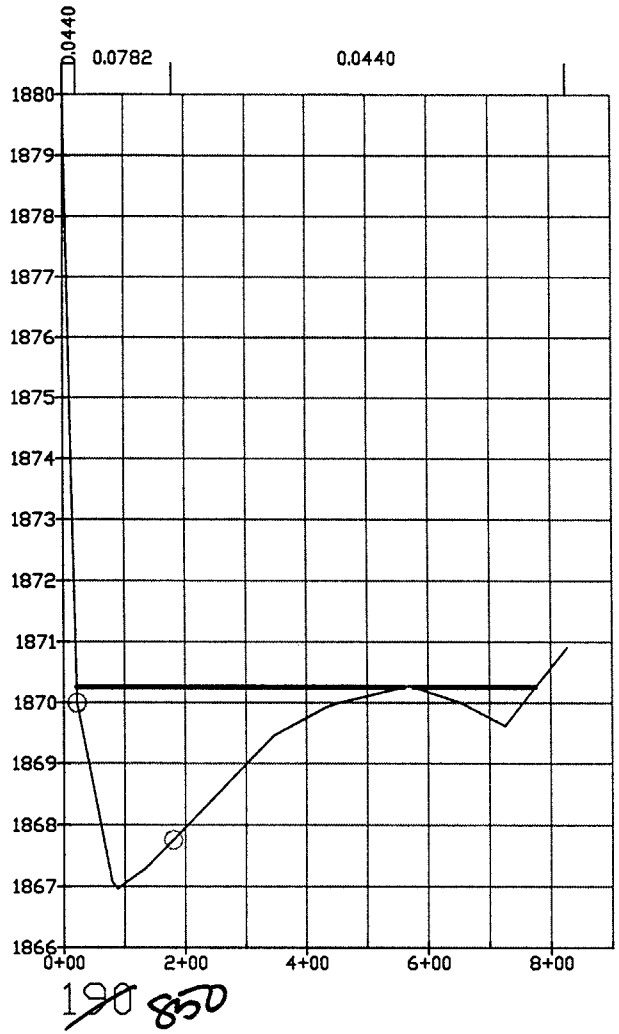
Cross-Section:	~~180~~ 840	
Elevation:	1850.15	ft MSL
Depth:	2.72	ft
Discharge:	3630.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.5844	
Flow Regime:	Subcritical	
Flow Area:	664.05	sq ft
Average Velocity:	5.41	ft/s
Maximum Velocity:	5.99	ft/s
Composite n:	0.0505	
Hydraulic Radius:	0.85	ft
Wetted Perimeter:	779.77	ft
Wetted Top Width:	779.57	ft
Critical Slope:	0.1249	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11E–~~180~~ 840

Entellus™

File: T3N-R8W-S11E-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

Cross-Section:	~~190~~ 850	
Elevation:	1870.26	ft MSL
Depth:	3.29	ft
Discharge:	3630.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4434	
Flow Regime:	Subcritical	
Flow Area:	795.94	sq ft
Average Velocity:	4.55	ft/s
Maximum Velocity:	5.20	ft/s
Composite n:	0.0522	
Hydraulic Radius:	1.08	ft
Wetted Perimeter:	738.08	ft
Wetted Top Width:	737.93	ft
Critical Slope:	0.1175	ft/ft

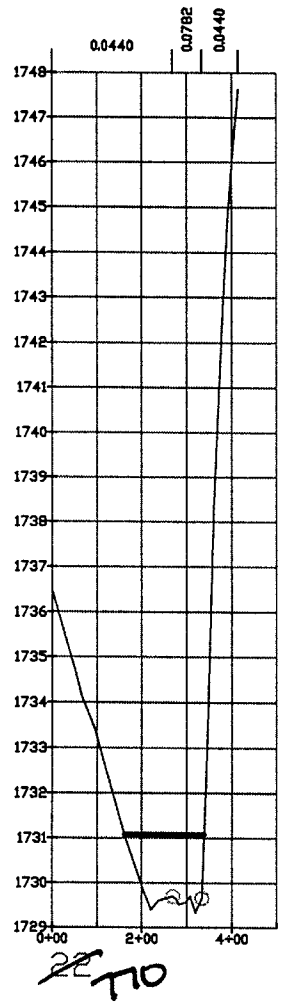
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11E–~~190~~850

Entellus™

File: T3N-R8W-S11E-New-Mapping.dwg Date: 9/19/02

T3N-R8W-S11W



Normal Depth Results

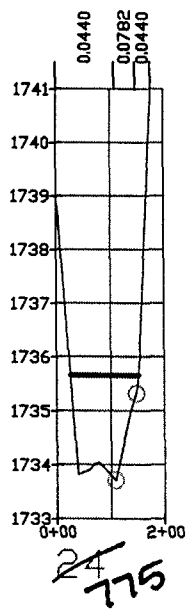
Cross-Section:	~~22~~ 770	
Elevation:	1731.09	ft MSL
Depth:	1.75	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.6206	
Flow Regime:	Subcritical	
Flow Area:	225.69	sq ft
Average Velocity:	4.70	ft/s
Maximum Velocity:	5.50	ft/s
Composite n:	0.0577	
Hydraulic Radius:	1.27	ft
Wetted Perimeter:	177.17	ft
Wetted Top Width:	176.93	ft
Critical Slope:	0.061	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~22~~ 770

Entellus™

File: T3N-R8W-S11W.dwg Date: 7/12/02



Normal Depth Results

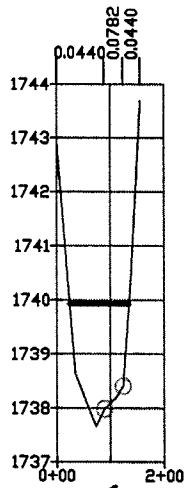
Cross-Section:	~~24~~ 775	
Elevation:	1735.65	ft MSL
Depth:	1.94	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.7455	
Flow Regime:	Subcritical	
Flow Area:	178.04	sq ft
Average Velocity:	5.94	ft/s
Maximum Velocity:	6.90	ft/s
Composite n:	0.0557	
Hydraulic Radius:	1.41	ft
Wetted Perimeter:	126.58	ft
Wetted Top Width:	126.40	ft
Critical Slope:	0.0554	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~24~~ 775

Entellus™

File: T3N-R8W-S11W.dwg, Date: 7/12/02



~~25~~ 780

Normal Depth Results

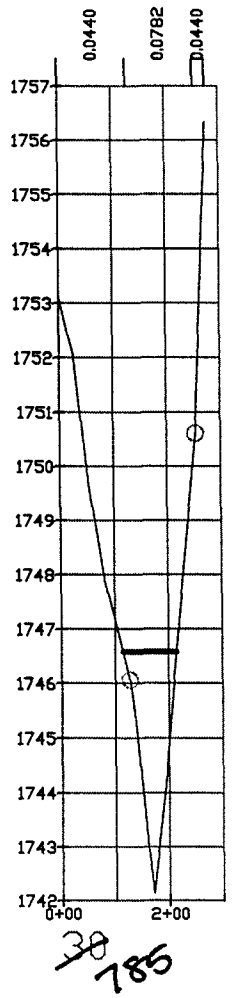
Cross-Section:	~~25~~ 780	
Elevation:	1739.93	ft MSL
Depth:	2.27	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.6901	
Flow Regime:	Subcritical	
Flow Area:	178.00	sq ft
Average Velocity:	5.90	ft/s
Maximum Velocity:	7.05	ft/s
Composite n:	0.0559	
Hydraulic Radius:	1.61	ft
Wetted Perimeter:	110.81	ft
Wetted Top Width:	110.61	ft
Critical Slope:	0.0547	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~25~~ 780

Entellus™

File: T3N-R8W-S11W.dwg Date: 7/12/02



Normal Depth Results

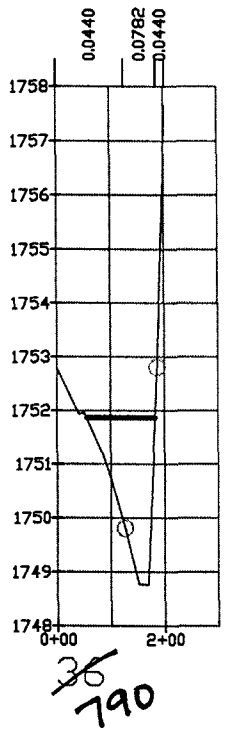
Cross-Section:	~~80~~ 785	
Elevation:	1746.58	ft MSL
Depth:	4.44	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4161	
Flow Regime:	Subcritical	
Flow Area:	211.03	sq ft
Average Velocity:	4.96	ft/s
Maximum Velocity:	5.01	ft/s
Composite n:	0.0743	
Hydraulic Radius:	2.1	ft
Wetted Perimeter:	100.60	ft
Wetted Top Width:	100.19	ft
Critical Slope:	0.1324	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~30~~ 785

Entellus™

File: T3N-R8W-S11W.dwg; Date: 7/12/02



Normal Depth Results

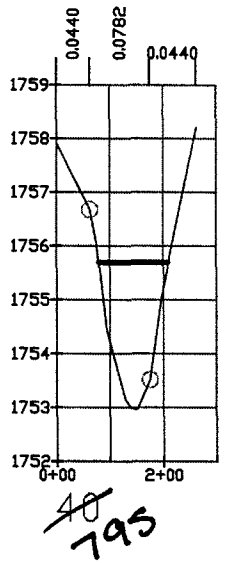
Cross-Section:	~~36~~ 790	
Elevation:	1751.86	ft MSL
Depth:	3.10	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.5069	
Flow Regime:	Subcritical	
Flow Area:	207.27	sq ft
Average Velocity:	5.03	ft/s
Maximum Velocity:	5.17	ft/s
Composite n:	0.0604	
Hydraulic Radius:	1.62	ft
Wetted Perimeter:	128.28	ft
Wetted Top Width:	127.87	ft
Critical Slope:	0.0866	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~36~~ 790

Entellus™

File: T3N-R8W-S11W.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~40~~ 795	
Elevation:	1755.70	ft MSL
Depth:	2.73	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4915	
Flow Regime:	Subcritical	
Flow Area:	228.09	sq ft
Average Velocity:	4.58	ft/s
Maximum Velocity:	4.97	ft/s
Composite n:	0.0699	
Hydraulic Radius:	1.75	ft
Wetted Perimeter:	130.57	ft
Wetted Top Width:	130.41	ft
Critical Slope:	0.0919	ft/ft

File: T3N-R8W-S11W.dwg, Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~40~~ 795

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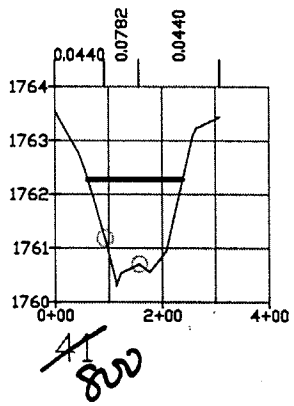


Normal Depth Results

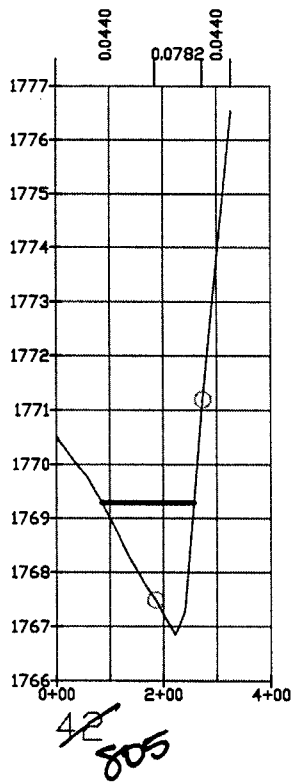
Cross-Section:	~~41~~ 800	
Elevation:	1762.28	ft MSL
Depth:	1.97	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.5937	
Flow Regime:	Subcritical	
Flow Area:	222.28	sq ft
Average Velocity:	4.69	ft/s
Maximum Velocity:	5.74	ft/s
Composite n:	0.0574	
Hydraulic Radius:	1.25	ft
Wetted Perimeter:	177.90	ft
Wetted Top Width:	177.82	ft
Critical Slope:	0.0699	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~41~~ 800

Entellus™

File: T3N-R8W-S11W.dwg Date: 7/12/02



Normal Depth Results

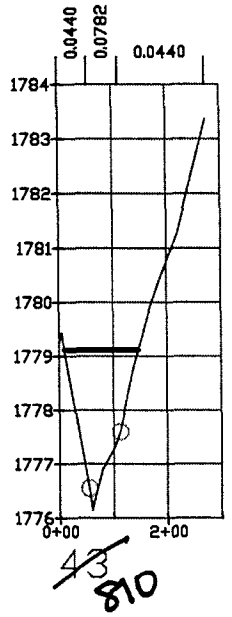
Cross-Section:	~~42~~ 805	
Elevation:	1769.29	ft MSL
Depth:	2.44	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.5131	
Flow Regime:	Subcritical	
Flow Area:	230.90	sq ft
Average Velocity:	4.51	ft/s
Maximum Velocity:	4.82	ft/s
Composite n:	0.0594	
Hydraulic Radius:	1.33	ft
Wetted Perimeter:	173.17	ft
Wetted Top Width:	173.03	ft
Critical Slope:	0.0851	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~42~~ 805

Entellus™

File: T3N-R8W-S11W.dwg, Date: 7/12/02



Normal Depth Results

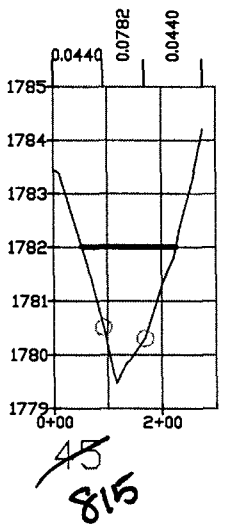
Cross-Section:	~~43~~ 810	
Elevation:	1779.12	ft MSL
Depth:	2.98	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.5083	
Flow Regime:	Subcritical	
Flow Area:	210.93	sq ft
Average Velocity:	5.02	ft/s
Maximum Velocity:	5.92	ft/s
Composite n:	0.0594	
Hydraulic Radius:	1.53	ft
Wetted Perimeter:	137.78	ft
Wetted Top Width:	137.64	ft
Critical Slope:	0.0864	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~43~~ 810

Entellus™

File: T3N-R8W-S11W.dwg, Date: 7/12/02



Normal Depth Results ~~45~~ 815

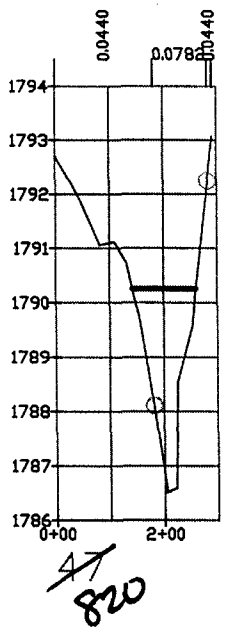
Cross-Section:		
Elevation:	1782.01	ft MSL
Depth:	2.53	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4939	
Flow Regime:	Subcritical	
Flow Area:	235.56	sq ft
Average Velocity:	4.48	ft/s
Maximum Velocity:	4.58	ft/s
Composite n:	0.0602	
Hydraulic Radius:	1.35	ft
Wetted Perimeter:	174.57	ft
Wetted Top Width:	174.48	ft
Critical Slope:	0.0893	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~45~~ 815

Entellus™

File: T3N-R8W-S11W.dwg Date: 7/12/02



Normal Depth Results ~~47~~ 820

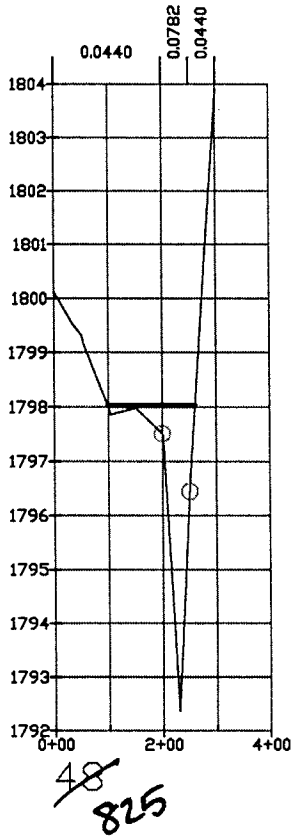
Cross-Section:		
Elevation:	1790.26	ft MSL
Depth:	3.75	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4418	
Flow Regime:	Subcritical	
Flow Area:	216.46	sq ft
Average Velocity:	4.85	ft/s
Maximum Velocity:	5.06	ft/s
Composite n:	0.0677	
Hydraulic Radius:	1.82	ft
Wetted Perimeter:	118.96	ft
Wetted Top Width:	118.38	ft
Critical Slope:	0.1122	ft/ft

File: T3N-R8W-S11W.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~47~~ 820

Entellus™



Normal Depth Results

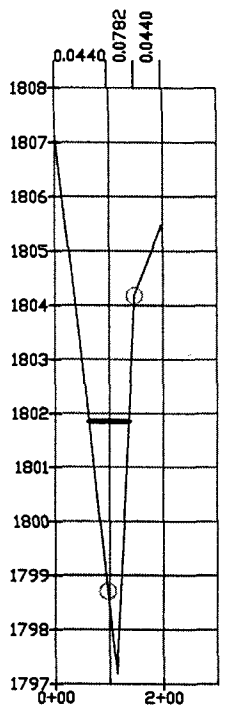
Cross-Section:	~~48~~ 825	
Elevation:	1798.03	ft MSL
Depth:	5.66	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4099	
Flow Regime:	Subcritical	
Flow Area:	189.87	sq ft
Average Velocity:	5.55	ft/s
Maximum Velocity:	6.07	ft/s
Composite n:	0.0559	
Hydraulic Radius:	1.17	ft
Wetted Perimeter:	162.90	ft
Wetted Top Width:	161.92	ft
Critical Slope:	0.209	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~48~~ 825

Entellus™

File: T3N-R8W-S11W.dwg, Date: 7/12/02



~~50~~ 830

Normal Depth Results

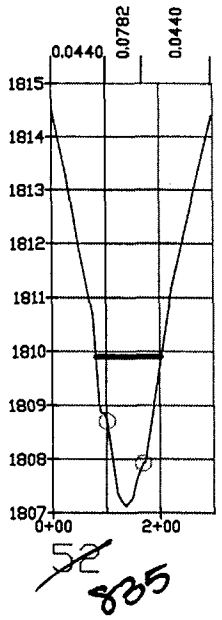
Cross-Section:	~~50~~ 830	
Elevation:	1801.86	ft MSL
Depth:	4.67	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4986	
Flow Regime:	Subcritical	
Flow Area:	171.86	sq ft
Average Velocity:	6.12	ft/s
Maximum Velocity:	6.76	ft/s
Composite n:	0.0633	
Hydraulic Radius:	2.31	ft
Wetted Perimeter:	74.31	ft
Wetted Top Width:	73.61	ft
Critical Slope:	0.0887	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~50~~ 830

Entellus™

File: T3N-R8W-S11W.dwg; Date: 7/12/02



Normal Depth Results

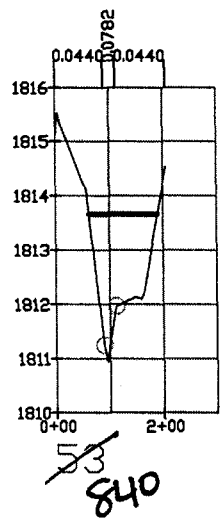
Cross-Section:	~~82~~ 835	
Elevation:	1809.90	ft MSL
Depth:	2.77	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.5258	
Flow Regime:	Subcritical	
Flow Area:	211.35	sq ft
Average Velocity:	4.97	ft/s
Maximum Velocity:	5.33	ft/s
Composite n:	0.0639	
Hydraulic Radius:	1.73	ft
Wetted Perimeter:	122.50	ft
Wetted Top Width:	122.31	ft
Critical Slope:	0.0795	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~52~~ 835

Entellus™

File: T3N-R8W-S11W.dwg; Date: 7/12/02



Normal Depth Results

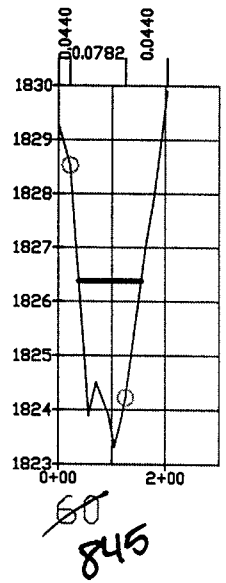
Cross-Section:	~~53~~ 840	
Elevation:	1813.67	ft MSL
Depth:	2.72	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.6024	
Flow Regime:	Subcritical	
Flow Area:	186.42	sq ft
Average Velocity:	5.62	ft/s
Maximum Velocity:	5.98	ft/s
Composite n:	0.0507	
Hydraulic Radius:	1.45	ft
Wetted Perimeter:	128.40	ft
Wetted Top Width:	128.21	ft
Critical Slope:	0.0617	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~53~~ 840

Entellus™

File: T3N-R8W-S11W.dwg, Date: 7/12/02



Normal Depth Results

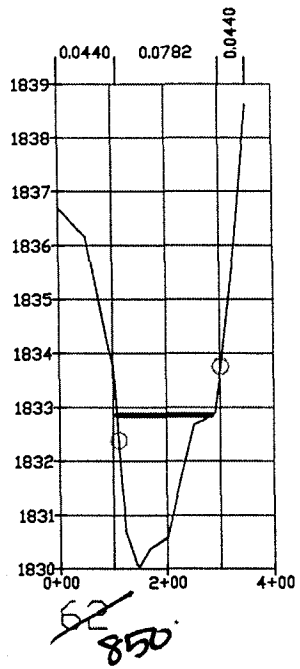
Cross-Section:	~~60~~ 845	
Elevation:	1826.38	ft MSL
Depth:	3.06	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.48	
Flow Regime:	Subcritical	
Flow Area:	220.33	sq ft
Average Velocity:	4.78	ft/s
Maximum Velocity:	5.25	ft/s
Composite n:	0.0704	
Hydraulic Radius:	1.88	ft
Wetted Perimeter:	117.00	ft
Wetted Top Width:	116.70	ft
Critical Slope:	0.0947	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~60~~ 845

Entellus™

File: T3N-R8W-S11W.dwg; Date: 7/12/02



Normal Depth Results

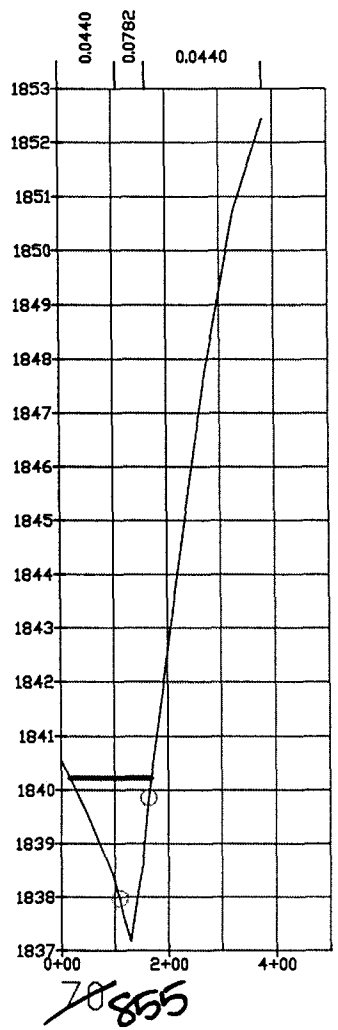
Cross-Section:	~~62~~ 850	
Elevation:	1832.86	ft MSL
Depth:	2.82	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4003	
Flow Regime:	Subcritical	
Flow Area:	275.43	sq ft
Average Velocity:	3.82	ft/s
Maximum Velocity:	3.83	ft/s
Composite n:	0.0776	
Hydraulic Radius:	1.56	ft
Wetted Perimeter:	176.92	ft
Wetted Top Width:	176.71	ft
Critical Slope:	0.1363	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~62~~ 850

Entellus™

File: T3N-R8W-S11W.dwg; Date: 7/12/02



Normal Depth Results ~~70~~ 855

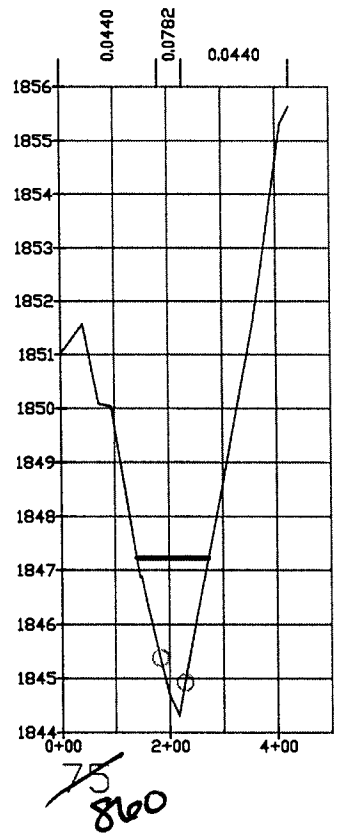
Cross-Section:		
Elevation:	1840.23	ft MSL
Depth:	3.05	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4907	
Flow Regime:	Subcritical	
Flow Area:	215.98	sq ft
Average Velocity:	4.90	ft/s
Maximum Velocity:	5.13	ft/s
Composite n:	0.0573	
Hydraulic Radius:	1.41	ft
Wetted Perimeter:	152.68	ft
Wetted Top Width:	152.50	ft
Critical Slope:	0.0916	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~70~~ 855

Entellus™

File: T3N-R8W-S11W.dwg Date: 7/12/02



Normal Depth Results

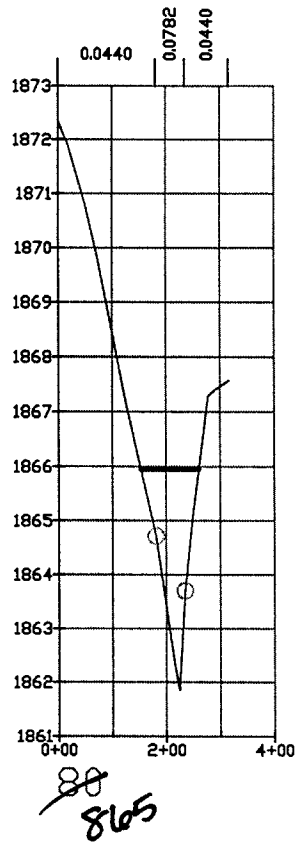
Cross-Section:	~~75~~ 860	
Elevation:	1847.23	ft MSL
Depth:	2.92	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.532	
Flow Regime:	Subcritical	
Flow Area:	203.74	sq ft
Average Velocity:	5.17	ft/s
Maximum Velocity:	5.44	ft/s
Composite n:	0.0568	
Hydraulic Radius:	1.53	ft
Wetted Perimeter:	132.92	ft
Wetted Top Width:	132.78	ft
Critical Slope:	0.0773	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~75~~ 860

Entellus™

File: T3N-R8W-S11W.dwg, Date: 7/12/02



Normal Depth Results

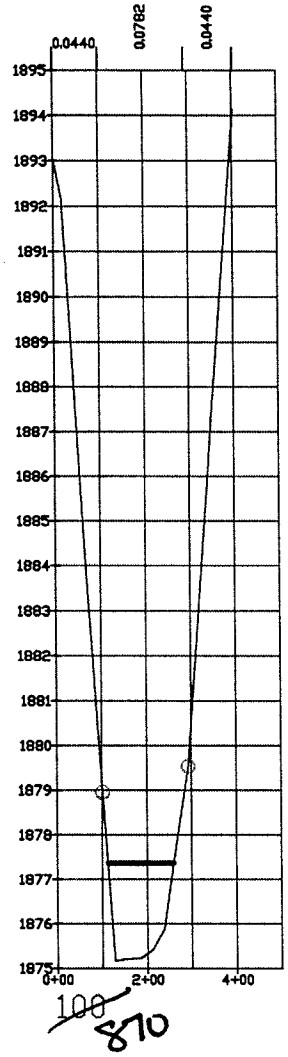
Cross-Section:	~~80~~ 8665	
Elevation:	1865.96	ft MSL
Depth:	4.10	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.467	
Flow Regime:	Subcritical	
Flow Area:	195.79	sq ft
Average Velocity:	5.37	ft/s
Maximum Velocity:	5.60	ft/s
Composite n:	0.0622	
Hydraulic Radius:	1.81	ft
Wetted Perimeter:	108.03	ft
Wetted Top Width:	107.65	ft
Critical Slope:	0.1042	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~80~~ 8665

Entellus™

File: T3N-R8W-S11W.dwg, Date: 7/12/02



Normal Depth Results

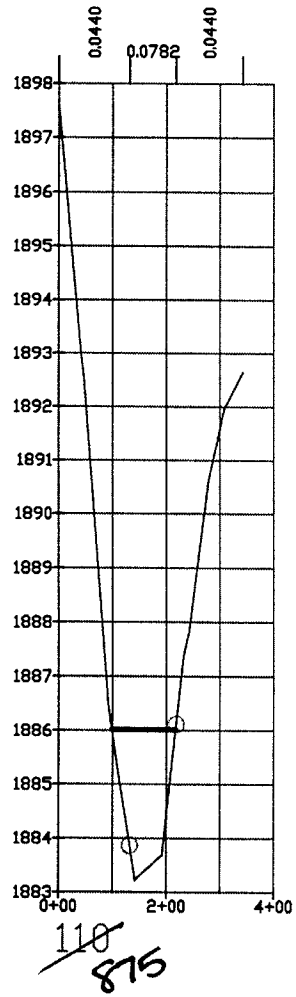
Cross-Section:	~~100~~ 870	
Elevation:	1877.37	ft MSL
Depth:	2.20	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4856	
Flow Regime:	Subcritical	
Flow Area:	256.89	sq ft
Average Velocity:	4.09	ft/s
Maximum Velocity:	4.09	ft/s
Composite n:	0.0782	
Hydraulic Radius:	1.74	ft
Wetted Perimeter:	147.22	ft
Wetted Top Width:	147.01	ft
Critical Slope:	0.0928	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~100~~ 870

Entellus™

File: T3N-R8W-S11W.dwg Date: 7/12/02



Normal Depth Results

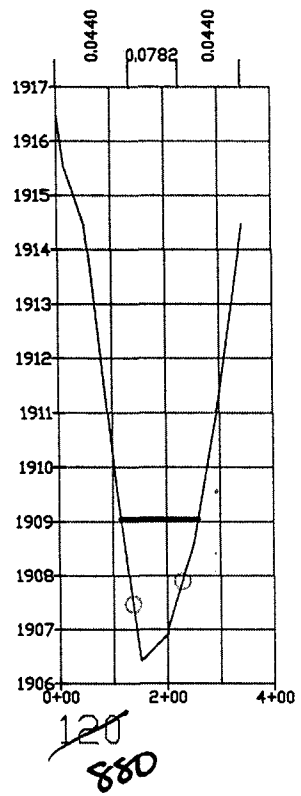
Cross-Section:	~~110~~ 875	
Elevation:	1886.02	ft MSL
Depth:	2.81	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.504	
Flow Regime:	Subcritical	
Flow Area:	219.12	sq ft
Average Velocity:	4.77	ft/s
Maximum Velocity:	5.30	ft/s
Composite n:	0.0695	
Hydraulic Radius:	1.84	ft
Wetted Perimeter:	119.22	ft
Wetted Top Width:	119.02	ft
Critical Slope:	0.0873	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~110~~875

Entellus™

File: T3N-R8W-S11W.dwg; Date: 7/12/02



Normal Depth Results

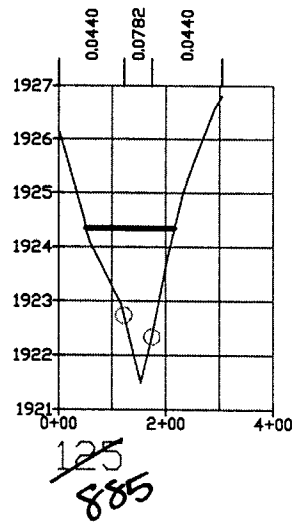
Cross-Section:	~~120~~ 880	
Elevation:	1909.05	ft MSL
Depth:	2.62	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4956	
Flow Regime:	Subcritical	
Flow Area:	230.82	sq ft
Average Velocity:	4.52	ft/s
Maximum Velocity:	4.62	ft/s
Composite n:	0.067	
Hydraulic Radius:	1.6	ft
Wetted Perimeter:	144.28	ft
Wetted Top Width:	144.13	ft
Critical Slope:	0.091	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~120~~ 880

Entellus™

File: T3N-R8W-S11W.dwg Date: 7/12/02



Normal Depth Results

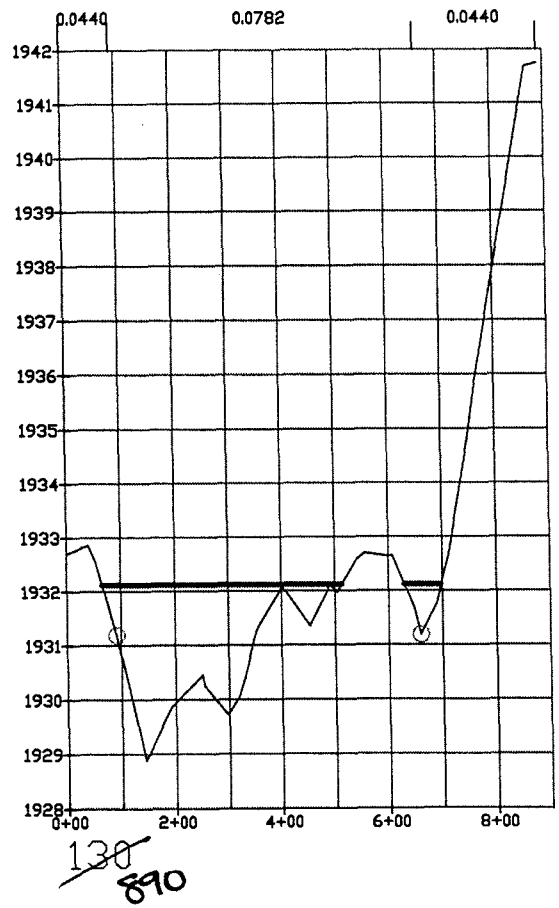
Cross-Section:	~~125~~ 885	
Elevation:	1924.35	ft MSL
Depth:	2.86	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4979	
Flow Regime:	Subcritical	
Flow Area:	219.81	sq ft
Average Velocity:	4.78	ft/s
Maximum Velocity:	4.93	ft/s
Composite n:	0.0559	
Hydraulic Radius:	1.33	ft
Wetted Perimeter:	165.66	ft
Wetted Top Width:	165.54	ft
Critical Slope:	0.0889	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~125~~ 885

Entellus™

File: T3N-R8W-S11W.dwg; Date: 7/12/02



Normal Depth Results

Cross-Section:	~~130~~ 890	
Elevation:	1932.13	ft MSL
Depth:	3.24	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.3411	
Flow Regime:	Subcritical	
Flow Area:	657.94	sq ft
Average Velocity:	3.48	ft/s
Maximum Velocity:	3.50	ft/s
Composite n:	0.0744	
Hydraulic Radius:	1.27	ft
Wetted Perimeter:	516.61	ft
Wetted Top Width:	516.45	ft
Critical Slope:	0.188	ft/ft

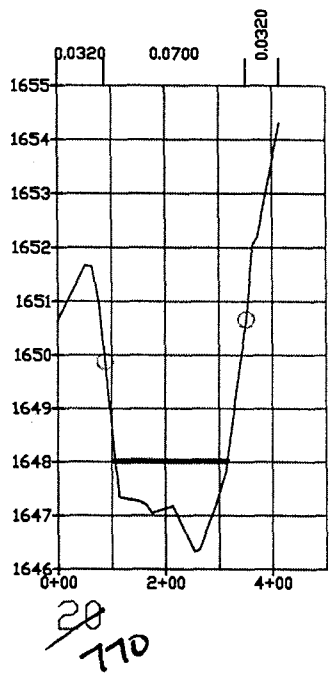
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S11W–~~130~~890

Entellus™

File: T3N-R8W-S11W.dwg Date: 7/12/02

T3N-R8W-S12



Normal Depth Results 770

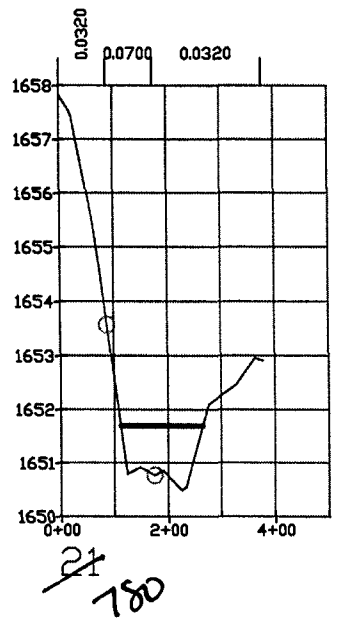
Cross-Section:	~~28~~	
Elevation:	1648.02	ft MSL
Depth:	1.69	ft
Discharge:	490.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.3369	
Flow Regime:	Subcritical	
Flow Area:	197.32	sq ft
Average Velocity:	2.50	ft/s
Maximum Velocity:	2.50	ft/s
Composite n:	0.07	
Hydraulic Radius:	0.94	ft
Wetted Perimeter:	209.46	ft
Wetted Top Width:	209.39	ft
Critical Slope:	0.1298	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S12–~~20~~ 770

Entellus™

File: T3N-R8W-S12.dwg, Date: 7/12/02



Normal Depth Results

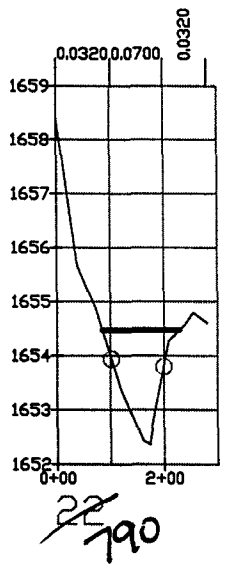
Cross-Section:	~~21~~ 780	
Elevation:	1651.69	ft MSL
Depth:	1.20	ft
Discharge:	490.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.629	
Flow Regime:	Subcritical	
Flow Area:	125.31	sq ft
Average Velocity:	3.97	ft/s
Maximum Velocity:	5.10	ft/s
Composite n:	0.0493	
Hydraulic Radius:	0.82	ft
Wetted Perimeter:	153.67	ft
Wetted Top Width:	153.61	ft
Critical Slope:	0.0557	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S12–~~21~~ 780

Entellus™

File: T3N-R8W-S12.dwg, Date: 7/12/02



Normal Depth Results ~~22~~ 790

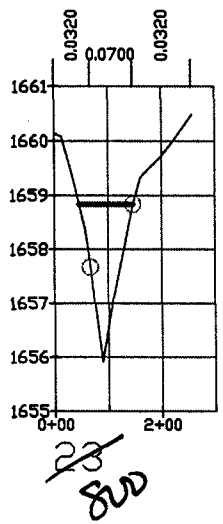
Cross-Section:		
Elevation:	1654.48	ft MSL
Depth:	2.11	ft
Discharge:	490.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.3938	
Flow Regime:	Subcritical	
Flow Area:	151.16	sq ft
Average Velocity:	3.22	ft/s
Maximum Velocity:	3.31	ft/s
Composite n:	0.059	
Hydraulic Radius:	1.04	ft
Wetted Perimeter:	144.99	ft
Wetted Top Width:	144.91	ft
Critical Slope:	0.1007	ft/ft

File: T3N-R8W-S12.dwg; Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S12–~~22~~ 790

Entellus™



Normal Depth Results

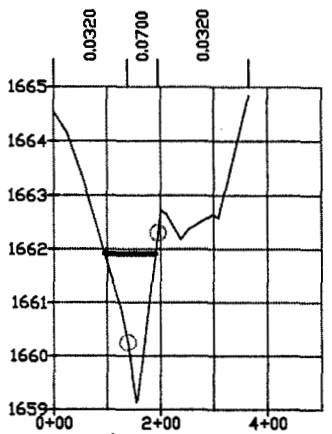
Cross-Section:	~~23~~ 800	
Elevation:	1658.83	ft MSL
Depth:	2.91	ft
Discharge:	490.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.3677	
Flow Regime:	Subcritical	
Flow Area:	137.59	sq ft
Average Velocity:	3.53	ft/s
Maximum Velocity:	3.63	ft/s
Composite n:	0.0632	
Hydraulic Radius:	1.36	ft
Wetted Perimeter:	101.19	ft
Wetted Top Width:	101.01	ft
Critical Slope:	0.112	ft/ft

File: T3N-k8W-S12.dwg, Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S12–~~23~~ 800

Entellus™



~~25~~ 810

Normal Depth Results

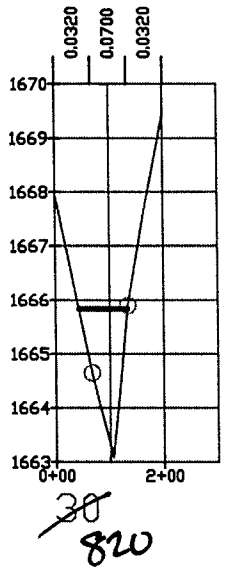
Cross-Section:	~~25~~ 810	
Elevation:	1661.92	ft MSL
Depth:	2.78	ft
Discharge:	490.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.4234	
Flow Regime:	Subcritical	
Flow Area:	122.34	sq ft
Average Velocity:	3.99	ft/s
Maximum Velocity:	4.71	ft/s
Composite n:	0.0544	
Hydraulic Radius:	1.28	ft
Wetted Perimeter:	95.83	ft
Wetted Top Width:	95.64	ft
Critical Slope:	0.0861	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S12–~~25~~ 810

Entellus™

File: T3N-R8W-S12.dwg; Date: 7/12/02



Normal Depth Results

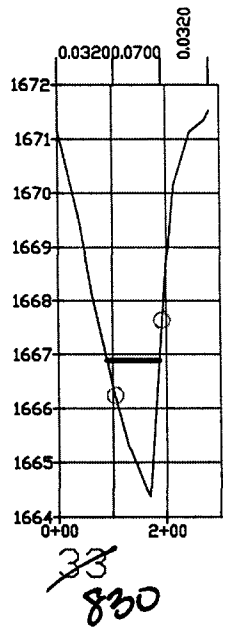
Cross-Section:	~~30~~ 820	
Elevation:	1665.84	ft MSL
Depth:	2.75	ft
Discharge:	490.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.4014	
Flow Regime:	Subcritical	
Flow Area:	129.80	sq ft
Average Velocity:	3.78	ft/s
Maximum Velocity:	4.01	ft/s
Composite n:	0.0611	
Hydraulic Radius:	1.43	ft
Wetted Perimeter:	90.60	ft
Wetted Top Width:	90.40	ft
Critical Slope:	0.092	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S12–~~30~~ 820

Entellus™

File: T3N-R8W-S12.dwg Date: 7/12/02



Normal Depth Results ~~83~~ 830

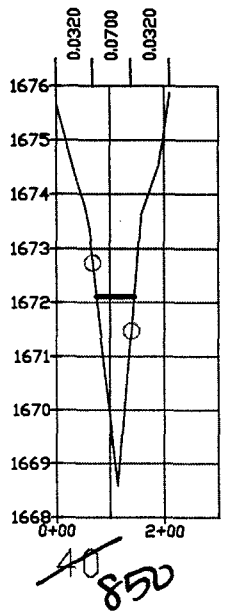
Cross-Section:		
Elevation:	1666.89	ft MSL
Depth:	2.51	ft
Discharge:	490.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.3961	
Flow Regime:	Subcritical	
Flow Area:	137.61	sq ft
Average Velocity:	3.54	ft/s
Maximum Velocity:	3.57	ft/s
Composite n:	0.0648	
Hydraulic Radius:	1.41	ft
Wetted Perimeter:	97.59	ft
Wetted Top Width:	97.37	ft
Critical Slope:	0.0968	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S12–~~33~~ 830

Entellus™

File: T3N-R8W-S12.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~40~~ 850	
Elevation:	1672.12	ft MSL
Depth:	3.53	ft
Discharge:	490.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.3712	
Flow Regime:	Subcritical	
Flow Area:	123.91	sq ft
Average Velocity:	3.96	ft/s
Maximum Velocity:	3.97	ft/s
Composite n:	0.0674	
Hydraulic Radius:	1.77	ft
Wetted Perimeter:	70.10	ft
Wetted Top Width:	69.74	ft
Critical Slope:	0.1087	ft/ft

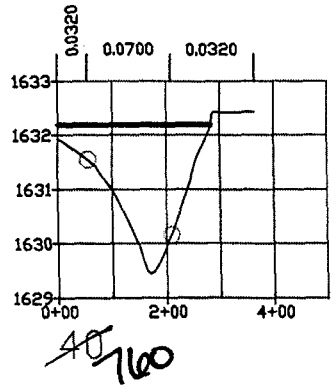
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S12–~~40~~ 850

Entellus™

File: T3N-R8W-S12.dwg, Date: 7/12/02

T3N-R8W-S13E



Normal Depth Results

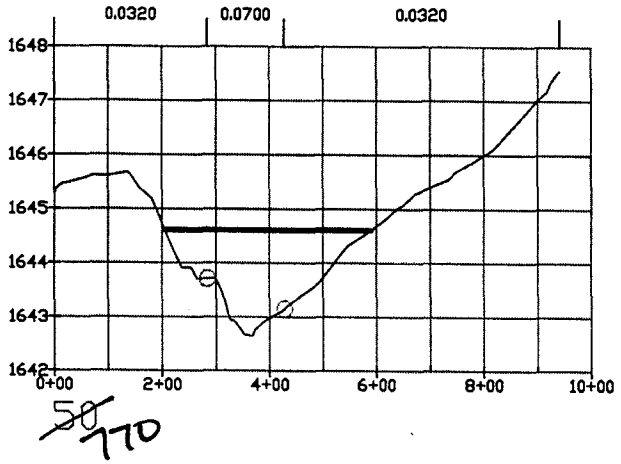
Cross-Section:	~~40~~ 760	
Elevation:	1632.19	ft MSL
Depth:	2.74	ft
Discharge:	1560.00	cfs
Energy Gradient:	0.0158	ft/ft
Froude Number:	0.4501	
Flow Regime:	Subcritical	
Flow Area:	369.00	sq ft
Average Velocity:	4.24	ft/s
Maximum Velocity:	5.76	ft/s
Composite n:	0.0543	
Hydraulic Radius:	1.3	ft
Wetted Perimeter:	283.13	ft
Wetted Top Width:	283.07	ft
Critical Slope:	0.0824	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~40~~ 760

Entellus™

File: T3N-R8W-S13E.dwg, Date: 7/12/02



Normal Depth Results

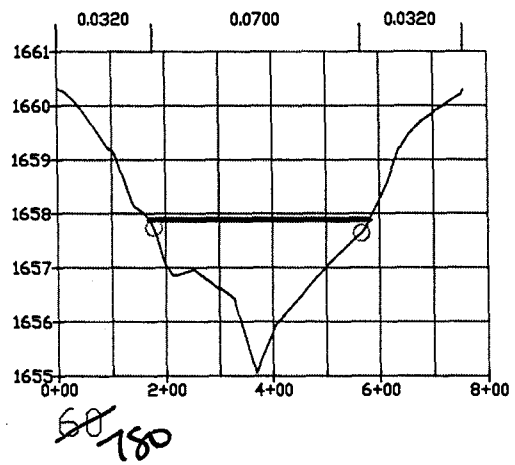
Cross-Section:	~~50~~ 770	
Elevation:	1644.61	ft MSL
Depth:	1.96	ft
Discharge:	1560.00	cfs
Energy Gradient:	0.0158	ft/ft
Froude Number:	0.5036	
Flow Regime:	Subcritical	
Flow Area:	390.17	sq ft
Average Velocity:	4.03	ft/s
Maximum Velocity:	4.76	ft/s
Composite n:	0.0479	
Hydraulic Radius:	1.01	ft
Wetted Perimeter:	385.03	ft
Wetted Top Width:	385.00	ft
Critical Slope:	0.064	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~50~~ 770

Entellus™

File: T3N-R8W-S13E.dwg, Date: 7/12/02



Normal Depth Results

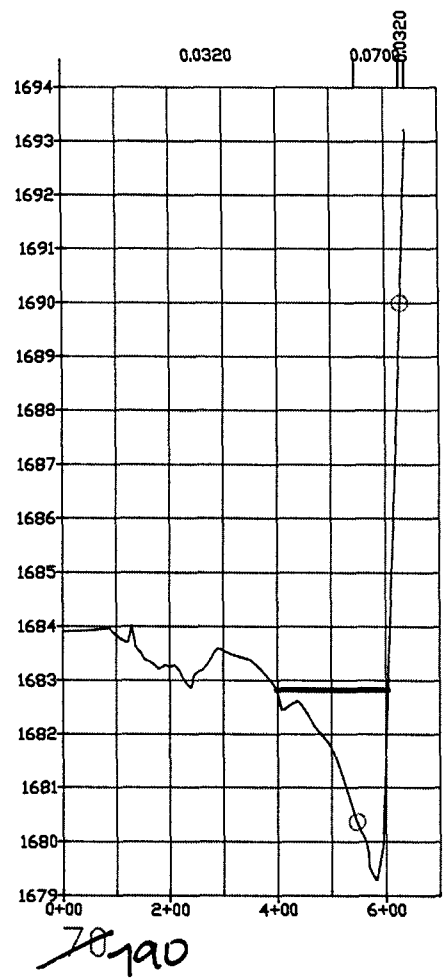
Cross-Section:	~~60~~ 780	
Elevation:	1657.89	ft MSL
Depth:	2.83	ft
Discharge:	1560.00	cfs
Energy Gradient:	0.0158	ft/ft
Froude Number:	0.3276	
Flow Regime:	Subcritical	
Flow Area:	499.33	sq ft
Average Velocity:	3.14	ft/s
Maximum Velocity:	3.15	ft/s
Composite n:	0.0682	
Hydraulic Radius:	1.22	ft
Wetted Perimeter:	410.45	ft
Wetted Top Width:	410.39	ft
Critical Slope:	0.1469	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~60~~ 780

Entellus™

File: T3N-R8W-S13E.dwg, Date: 7/12/02



Normal Depth Results ~~70~~ 790

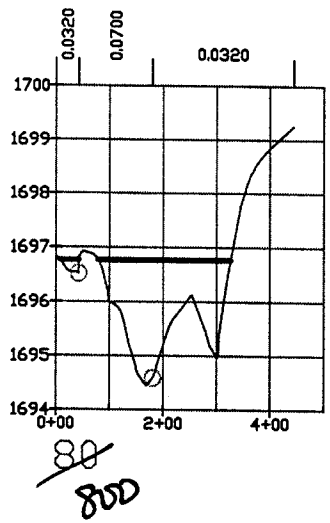
Cross-Section:		
Elevation:	1682.83	ft MSL
Depth:	3.53	ft
Discharge:	1560.00	cfs
Energy Gradient:	0.0158	ft/ft
Froude Number:	0.5006	
Flow Regime:	Subcritical	
Flow Area:	292.50	sq ft
Average Velocity:	5.33	ft/s
Maximum Velocity:	5.41	ft/s
Composite n:	0.0442	
Hydraulic Radius:	1.41	ft
Wetted Perimeter:	207.26	ft
Wetted Top Width:	206.77	ft
Critical Slope:	0.0631	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~70~~ 790

Entellus™

File: T3N-R8W-S13E.dwg Date: 7/12/02



Normal Depth Results

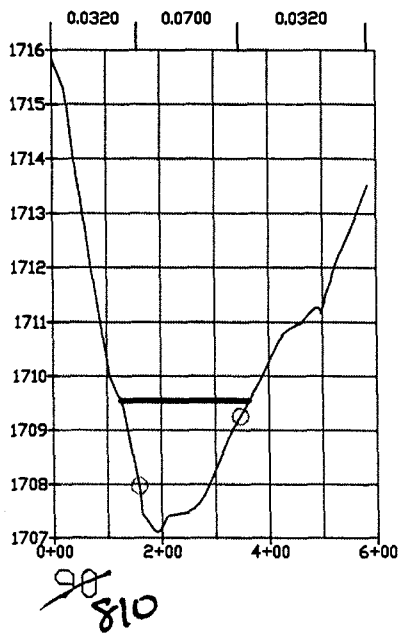
Cross-Section:	~~80~~ 800	
Elevation:	1696.77	ft MSL
Depth:	2.32	ft
Discharge:	1560.00	cfs
Energy Gradient:	0.0158	ft/ft
Froude Number:	0.5797	
Flow Regime:	Subcritical	
Flow Area:	311.76	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	6.50	ft/s
Composite n:	0.0475	
Hydraulic Radius:	1.1	ft
Wetted Perimeter:	283.22	ft
Wetted Top Width:	282.95	ft
Critical Slope:	0.0667	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~80~~ 800

Entellus™

File: T3N-R8W-S13E.dwg; Date: 7/12/02



Normal Depth Results

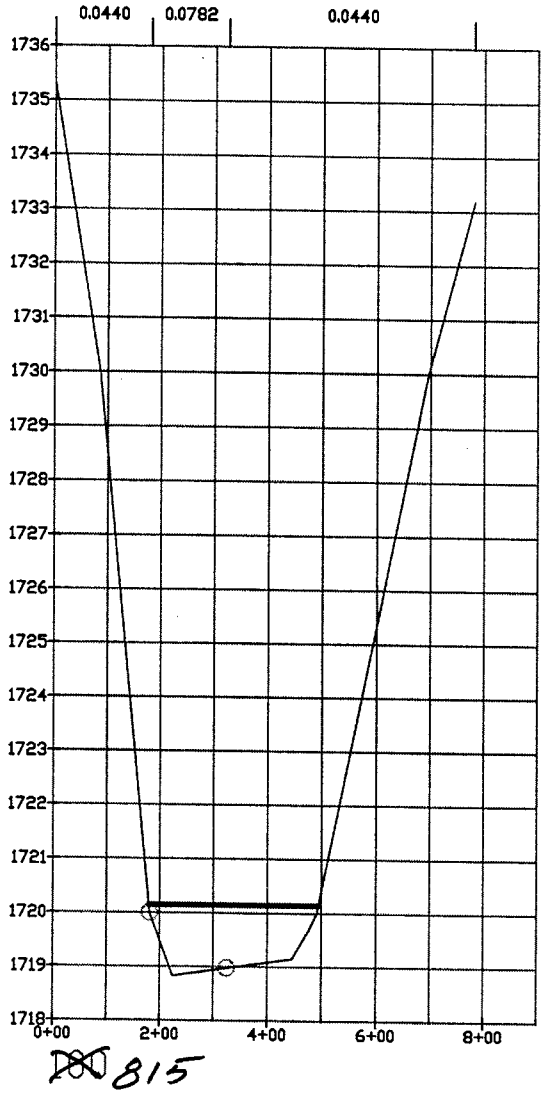
Cross-Section:	~~90~~ 810	
Elevation:	1709.55	ft MSL
Depth:	2.44	ft
Discharge:	1560.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.5024	
Flow Regime:	Subcritical	
Flow Area:	350.61	sq ft
Average Velocity:	4.46	ft/s
Maximum Velocity:	5.47	ft/s
Composite n:	0.063	
Hydraulic Radius:	1.47	ft
Wetted Perimeter:	238.67	ft
Wetted Top Width:	238.58	ft
Critical Slope:	0.084	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~90~~ 810

Entellus™

File: T3N-R8W-S13E.dwg Date: 7/12/02



Normal Depth Results

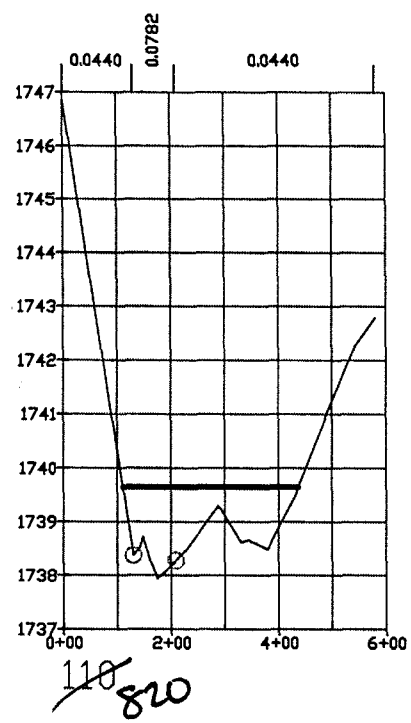
Cross-Section:	~~180~~ 815	
Elevation:	1720.14	ft MSL
Depth:	1.31	ft
Discharge:	1200.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.587	
Flow Regime:	Subcritical	
Flow Area:	314.34	sq ft
Average Velocity:	3.78	ft/s
Maximum Velocity:	4.66	ft/s
Composite n:	0.0608	
Hydraulic Radius:	1	ft
Wetted Perimeter:	314.79	ft
Wetted Top Width:	314.75	ft
Critical Slope:	0.0707	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~180~~ 815

Entellus™

File: T3N-R8W-S13E-New-Mapping.dwg Date: 9/03/02



Normal Depth Results ~~110~~ 820

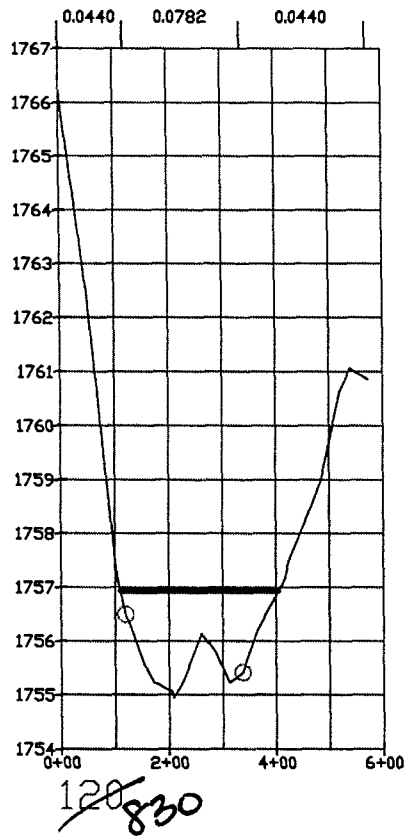
Cross-Section:		
Elevation:	1739.65	ft MSL
Depth:	1.71	ft
Discharge:	1200.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.529	
Flow Regime:	Subcritical	
Flow Area:	306.03	sq ft
Average Velocity:	3.92	ft/s
Maximum Velocity:	4.24	ft/s
Composite n:	0.0532	
Hydraulic Radius:	0.94	ft
Wetted Perimeter:	326.58	ft
Wetted Top Width:	326.49	ft
Critical Slope:	0.0764	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~110~~ 820

Entellus™

File: T3N-R8W-S13E.dwg; Date: 7/12/02



Normal Depth Results

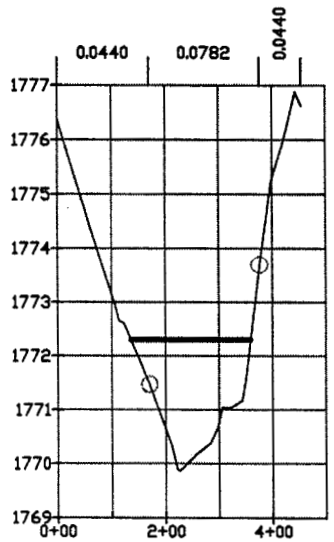
Cross-Section:	~~120~~ 830	
Elevation:	1756.93	ft MSL
Depth:	1.98	ft
Discharge:	1200.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4343	
Flow Regime:	Subcritical	
Flow Area:	346.39	sq ft
Average Velocity:	3.44	ft/s
Maximum Velocity:	3.77	ft/s
Composite n:	0.07	
Hydraulic Radius:	1.18	ft
Wetted Perimeter:	294.21	ft
Wetted Top Width:	294.14	ft
Critical Slope:	0.1131	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~120~~ 830

Entellus™

File: T3N-R8W-S13E.dwg, Date: 7/12/02



~~130~~ 840

Normal Depth Results

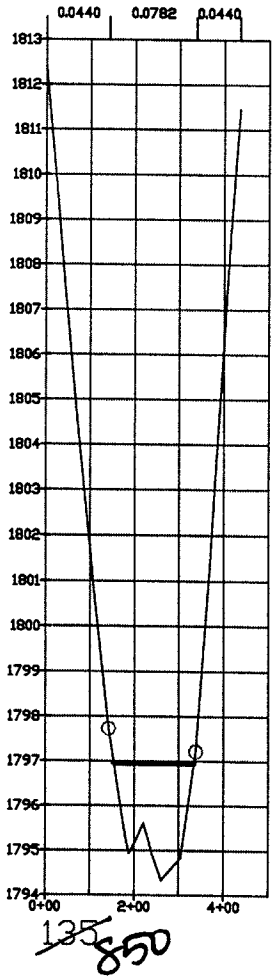
Cross-Section:	~~180~~ 840	
Elevation:	1772.30	ft MSL
Depth:	2.43	ft
Discharge:	1200.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4223	
Flow Regime:	Subcritical	
Flow Area:	321.26	sq ft
Average Velocity:	3.75	ft/s
Maximum Velocity:	3.80	ft/s
Composite n:	0.0734	
Hydraulic Radius:	1.44	ft
Wetted Perimeter:	223.28	ft
Wetted Top Width:	223.19	ft
Critical Slope:	0.117	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~130~~ 840

Entellus™

File: T3N-R8W-S13E.dwg; Date: 7/12/02



Normal Depth Results

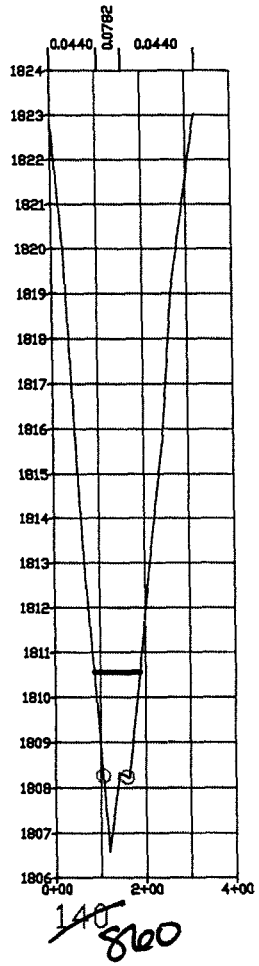
Cross-Section:	~~138~~ 850	
Elevation:	1796.96	ft MSL
Depth:	2.62	ft
Discharge:	1200.00	cfs
Energy Gradient:	0.0208	ft/ft
Froude Number:	0.4267	
Flow Regime:	Subcritical	
Flow Area:	306.45	sq ft
Average Velocity:	3.91	ft/s
Maximum Velocity:	3.91	ft/s
Composite n:	0.0782	
Hydraulic Radius:	1.7	ft
Wetted Perimeter:	180.25	ft
Wetted Top Width:	180.08	ft
Critical Slope:	0.1142	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~135~~ 850

Entellus™

File: T3N-R8W-S13E.dwg Date: 7/12/02



Normal Depth Results

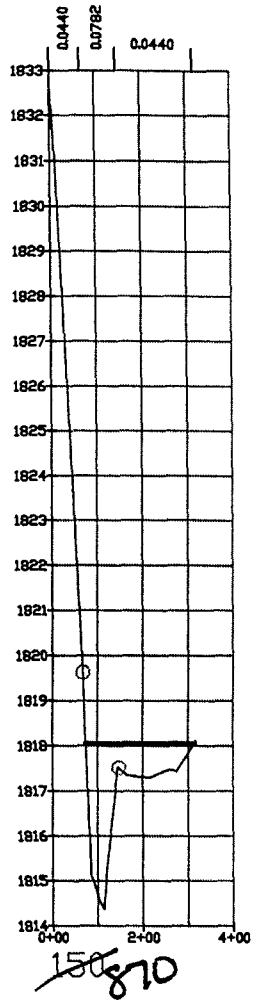
Cross-Section:	~~140~~ 860	
Elevation:	1810.56	ft MSL
Depth:	3.97	ft
Discharge:	1200.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.5009	
Flow Regime:	Subcritical	
Flow Area:	212.01	sq ft
Average Velocity:	5.64	ft/s
Maximum Velocity:	6.14	ft/s
Composite n:	0.063	
Hydraulic Radius:	2.09	ft
Wetted Perimeter:	101.49	ft
Wetted Top Width:	101.07	ft
Critical Slope:	0.0855	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~140~~ 860

Entellus™

File: T3N-R8W-S13E.dwg Date: 7/12/02



Normal Depth Results ~~150~~ 870

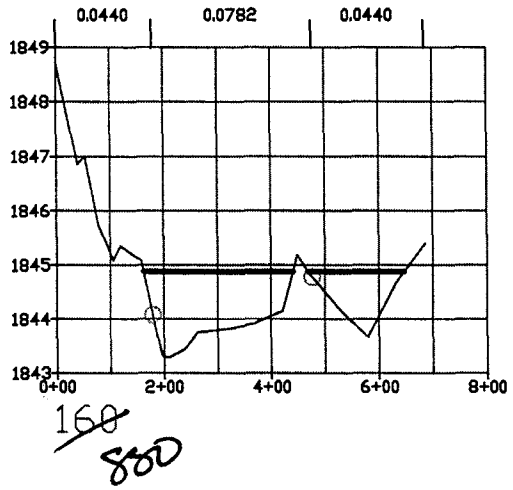
Cross-Section:		
Elevation:	1818.06	ft MSL
Depth:	3.68	ft
Discharge:	1200.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.4045	
Flow Regime:	Subcritical	
Flow Area:	272.79	sq ft
Average Velocity:	4.40	ft/s
Maximum Velocity:	4.92	ft/s
Composite n:	0.0556	
Hydraulic Radius:	1.13	ft
Wetted Perimeter:	240.43	ft
Wetted Top Width:	239.91	ft
Critical Slope:	0.1393	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~150~~ 870

Entellus™

File: T3N-R8W-S13E.dwg Date: 7/12/02



Normal Depth Results 880

Cross-Section:	~~160~~	
Elevation:	1844.88	ft MSL
Depth:	1.59	ft
Discharge:	1200.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.427	
Flow Regime:	Subcritical	
Flow Area:	393.26	sq ft
Average Velocity:	3.06	ft/s
Maximum Velocity:	3.65	ft/s
Composite n:	0.0652	
Hydraulic Radius:	0.86	ft
Wetted Perimeter:	456.07	ft
Wetted Top Width:	456.00	ft
Critical Slope:	0.1193	ft/ft

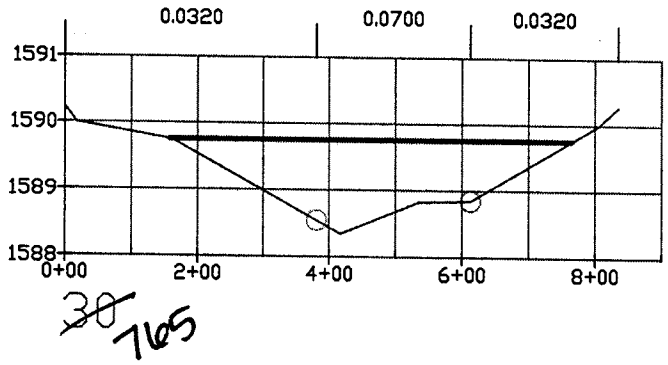
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13E–~~160~~880

Entellus™

File: T3N-R8W-S13E.dwg, Date: 7/12/02

T3N-R8W-S13S



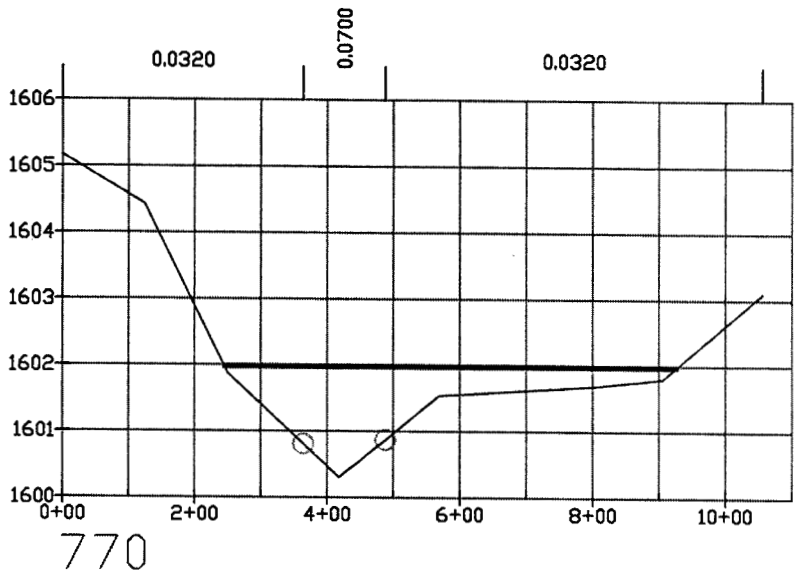
Normal Depth Results

Cross-Section:	~~30~~ 765	
Elevation:	1589.76	ft MSL
Depth:	1.41	ft
Discharge:	1320.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.4283	
Flow Regime:	Subcritical	
Flow Area:	458.27	sq ft
Average Velocity:	2.86	ft/s
Maximum Velocity:	3.57	ft/s
Composite n:	0.0483	
Hydraulic Radius:	0.75	ft
Wetted Perimeter:	607.11	ft
Wetted Top Width:	607.10	ft
Critical Slope:	0.0691	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13S–~~30~~ 765

File: T3N-R8W-S13S-New-Mapping.dwg Date: 8/13/02



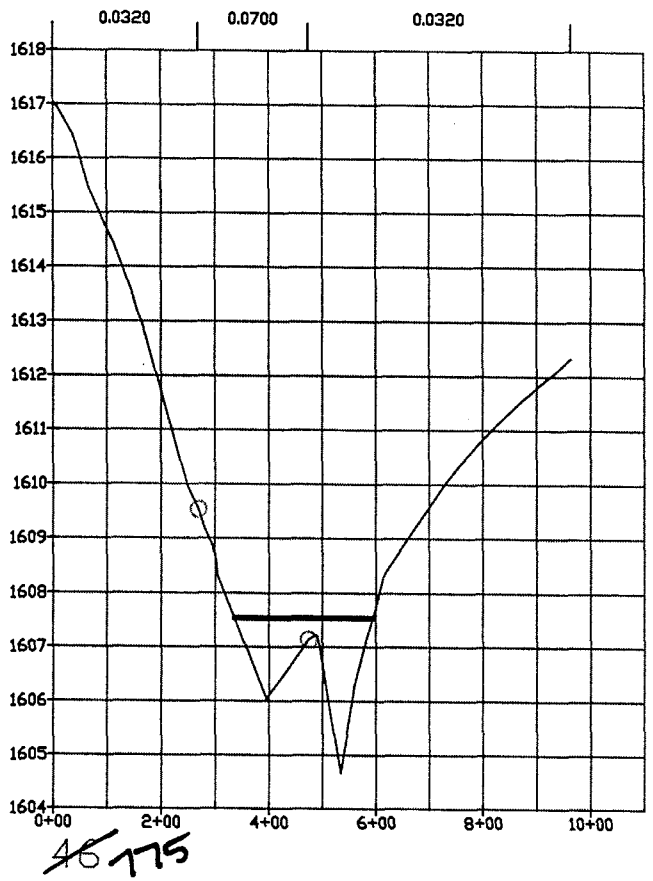
Normal Depth Results

Cross-Section:	770	
Elevation:	1601.98	ft MSL
Depth:	1.68	ft
Discharge:	1260.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.4059	
Flow Regime:	Subcritical	
Flow Area:	421.91	sq ft
Average Velocity:	2.95	ft/s
Maximum Velocity:	3.63	ft/s
Composite n:	0.0401	
Hydraulic Radius:	0.62	ft
Wetted Perimeter:	681.48	ft
Wetted Top Width:	681.46	ft
Critical Slope:	0.0744	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13S–770

File: T3N-R8W-S13S-New-Mapping.dwg, Date: 8/13/02



Normal Depth Results

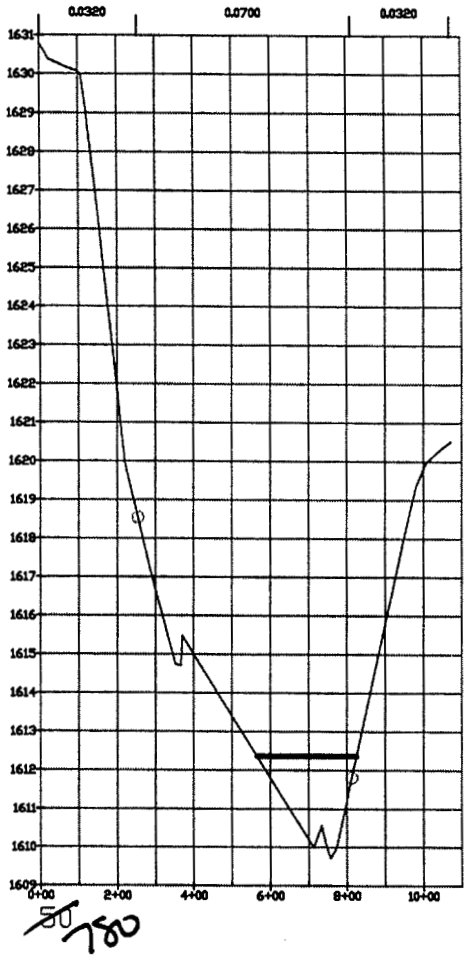
Cross-Section:	~~46~~ 775	
Elevation:	1607.54	ft MSL
Depth:	2.87	ft
Discharge:	1260.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.4905	
Flow Regime:	Subcritical	
Flow Area:	267.33	sq ft
Average Velocity:	4.69	ft/s
Maximum Velocity:	6.55	ft/s
Composite n:	0.054	
Hydraulic Radius:	1.03	ft
Wetted Perimeter:	258.42	ft
Wetted Top Width:	258.25	ft
Critical Slope:	0.1162	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13S–~~46~~ 775

Entellus™

File: T3N-R8W-S13S-New-Mapping.dwg Date: 8/13/02



Normal Depth Results

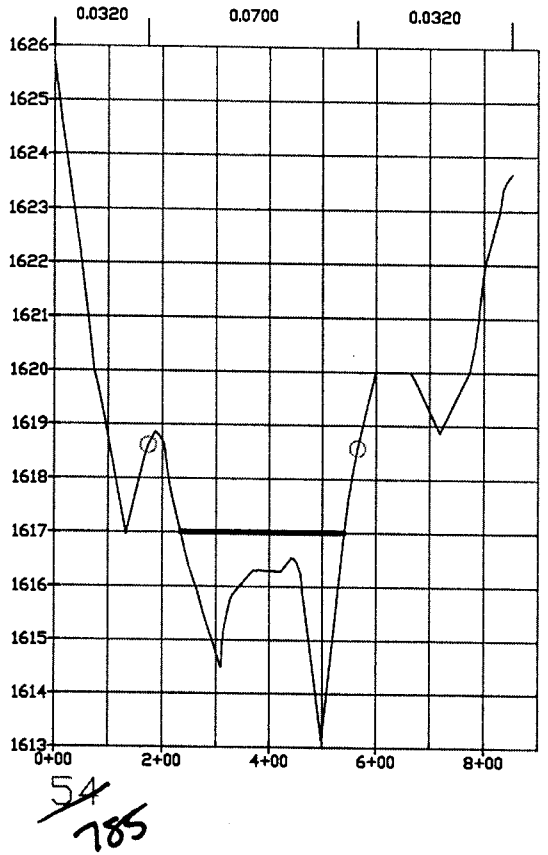
Cross-Section:	~~50~~ 780	
Elevation:	1612.37	ft MSL
Depth:	2.65	ft
Discharge:	1260.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.366	
Flow Regime:	Subcritical	
Flow Area:	372.82	sq ft
Average Velocity:	3.38	ft/s
Maximum Velocity:	3.39	ft/s
Composite n:	0.0684	
Hydraulic Radius:	1.43	ft
Wetted Perimeter:	260.17	ft
Wetted Top Width:	260.07	ft
Critical Slope:	0.1114	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13S–~~50~~ 780

Entellus™

File: T3N-k8W-S13S-New-Mapping.dwg Date: 8/13/02



Normal Depth Results

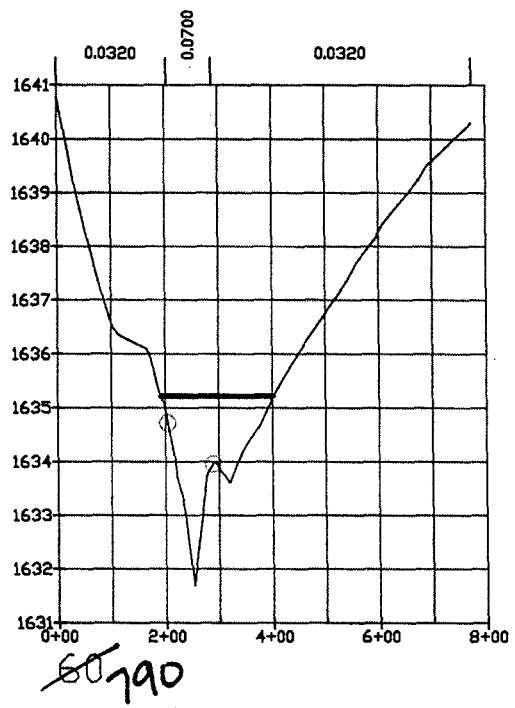
Cross-Section:	~~54~~ 785	
Elevation:	1617.01	ft MSL
Depth:	3.87	ft
Discharge:	1260.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.2795	
Flow Regime:	Subcritical	
Flow Area:	404.05	sq ft
Average Velocity:	3.12	ft/s
Maximum Velocity:	3.12	ft/s
Composite n:	0.0698	
Hydraulic Radius:	1.31	ft
Wetted Perimeter:	308.80	ft
Wetted Top Width:	308.37	ft
Critical Slope:	0.191	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13S–~~54~~ 785

Entellus™

File: T3N-R8W-S13S-New-Mapping.dwg Date: 8/13/02



Normal Depth Results

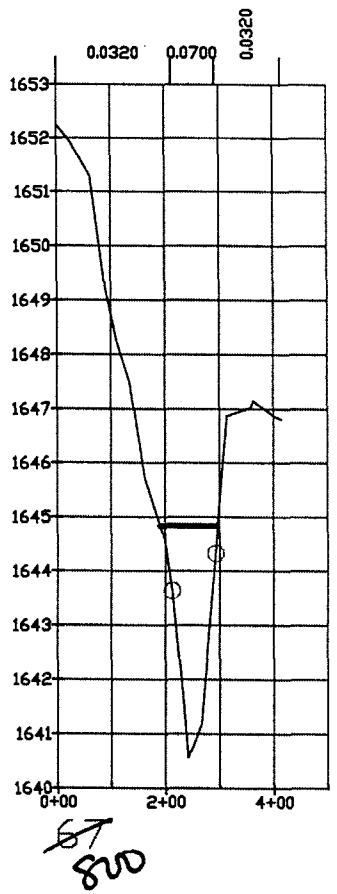
Cross-Section:	~~60~~ 790	
Elevation:	1635.22	ft MSL
Depth:	3.52	ft
Discharge:	1260.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.4306	
Flow Regime:	Subcritical	
Flow Area:	275.10	sq ft
Average Velocity:	4.60	ft/s
Maximum Velocity:	5.47	ft/s
Composite n:	0.0489	
Hydraulic Radius:	1.31	ft
Wetted Perimeter:	210.56	ft
Wetted Top Width:	210.33	ft
Critical Slope:	0.0853	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13S–~~60~~ 790

Entellus™

File: T3N-R8W-S13S-New-Mapping.dwg; Date: 8/13/02



Normal Depth Results

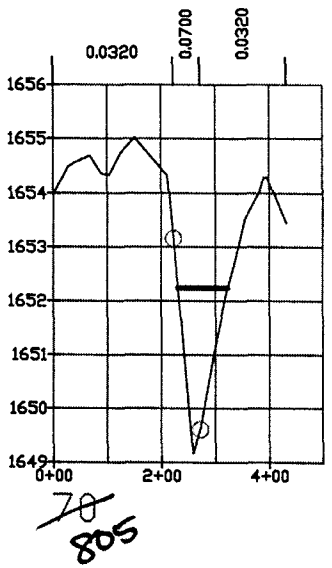
Cross-Section:	~~67~~ 800	
Elevation:	1644.84	ft MSL
Depth:	4.27	ft
Discharge:	1260.00	cfs
Energy Gradient:	0.0149	ft/ft
Froude Number:	0.4417	
Flow Regime:	Subcritical	
Flow Area:	243.39	sq ft
Average Velocity:	5.17	ft/s
Maximum Velocity:	5.26	ft/s
Composite n:	0.0617	
Hydraulic Radius:	2.28	ft
Wetted Perimeter:	106.71	ft
Wetted Top Width:	106.28	ft
Critical Slope:	0.0785	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R8W-S13S-~~67~~ 800

Entellus™

File: T3N-R8W-S13S.dwg; Date: 7/12/02



Normal Depth Results

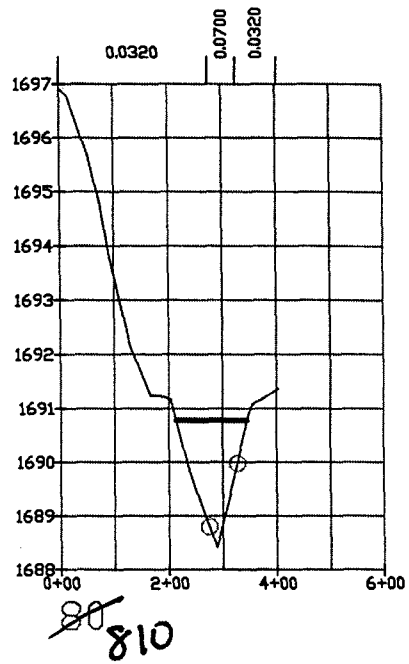
Cross-Section:	~~70~~ 805	
Elevation:	1652.24	ft MSL
Depth:	3.07	ft
Discharge:	770.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.5313	
Flow Regime:	Subcritical	
Flow Area:	145.73	sq ft
Average Velocity:	5.27	ft/s
Maximum Velocity:	6.69	ft/s
Composite n:	0.0508	
Hydraulic Radius:	1.57	ft
Wetted Perimeter:	93.11	ft
Wetted Top Width:	92.86	ft
Critical Slope:	0.0633	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R8W-S13S-~~70~~ 805

Entellus™

File: T3N-R8W-S13S.dwg; Date: 7/12/02



Normal Depth Results

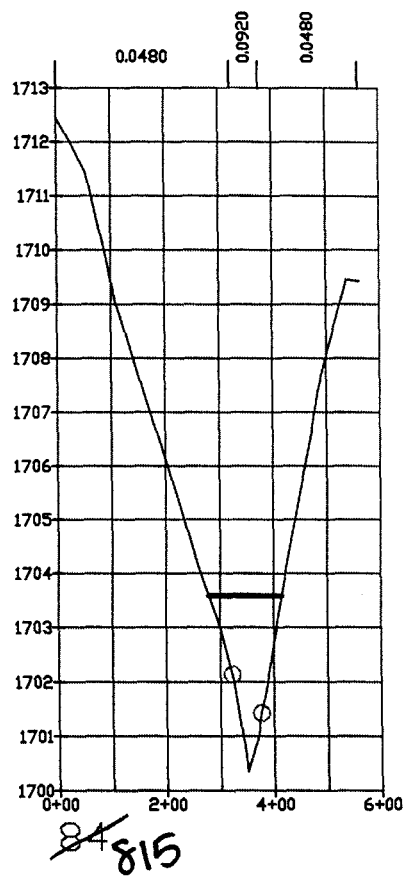
Cross-Section:	~~80~~ 810	
Elevation:	1690.78	ft MSL
Depth:	2.36	ft
Discharge:	770.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.5363	
Flow Regime:	Subcritical	
Flow Area:	164.66	sq ft
Average Velocity:	4.71	ft/s
Maximum Velocity:	6.08	ft/s
Composite n:	0.0489	
Hydraulic Radius:	1.25	ft
Wetted Perimeter:	131.78	ft
Wetted Top Width:	131.69	ft
Critical Slope:	0.0608	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R8W-S13S-~~80~~ 810

Entellus™

File: T3N-R8W-S13S.dwg, Date: 7/12/02



Normal Depth Results

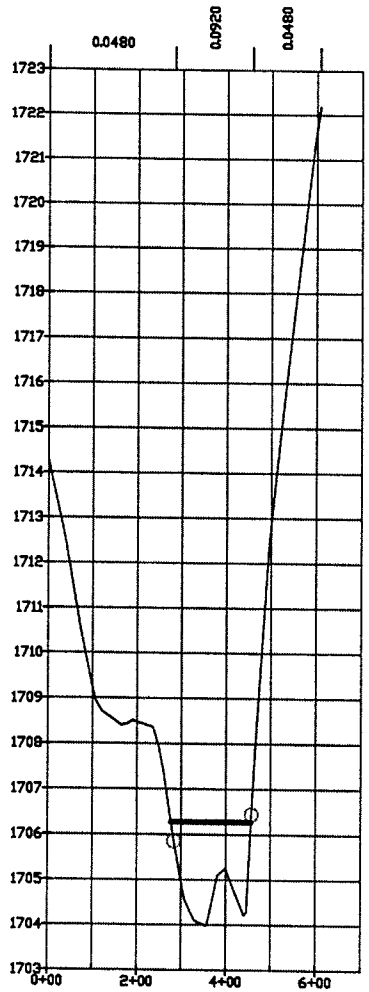
Cross-Section:	~~84~~ 815	
Elevation:	1703.59	ft MSL
Depth:	3.23	ft
Discharge:	770.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.3634	
Flow Regime:	Subcritical	
Flow Area:	207.92	sq ft
Average Velocity:	3.73	ft/s
Maximum Velocity:	4.17	ft/s
Composite n:	0.0671	
Hydraulic Radius:	1.53	ft
Wetted Perimeter:	135.67	ft
Wetted Top Width:	135.50	ft
Critical Slope:	0.1194	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R8W-S13S-~~84~~ 815

Entellus™

File: T3N-R8W-S13S.dwg, Date: 7/12/02



~~86~~ 820

Normal Depth Results

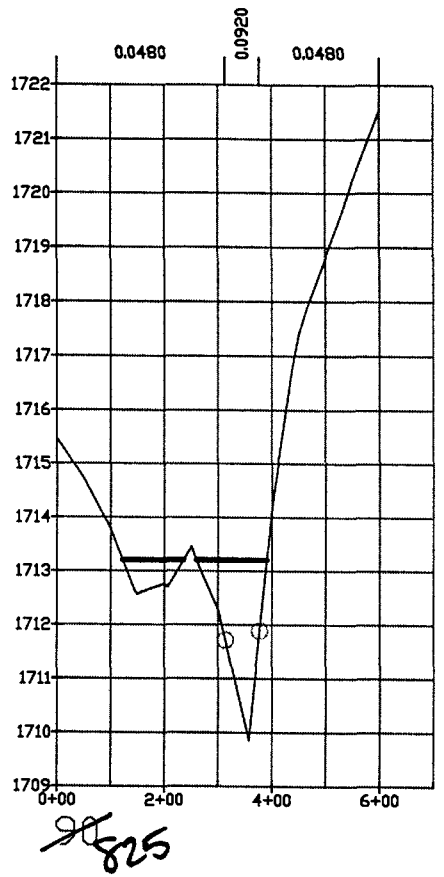
Cross-Section:	~~86~~ 820	
Elevation:	1706.28	ft MSL
Depth:	2.29	ft
Discharge:	770.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.3226	
Flow Regime:	Subcritical	
Flow Area:	278.27	sq ft
Average Velocity:	2.76	ft/s
Maximum Velocity:	2.77	ft/s
Composite n:	0.0906	
Hydraulic Radius:	1.55	ft
Wetted Perimeter:	179.62	ft
Wetted Top Width:	179.33	ft
Critical Slope:	0.1518	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R8W-S13S-~~86~~ 820

Entellus™

File: T3N-R8W-S13S.dwg Date: 7/12/02



Normal Depth Results

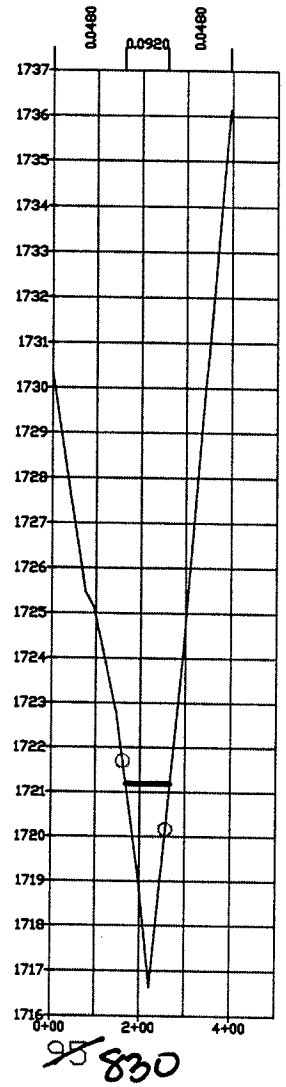
Cross-Section:	~~90~~ 825	
Elevation:	1713.21	ft MSL
Depth:	3.35	ft
Discharge:	770.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.3054	
Flow Regime:	Subcritical	
Flow Area:	242.85	sq ft
Average Velocity:	3.18	ft/s
Maximum Velocity:	3.61	ft/s
Composite n:	0.0609	
Hydraulic Radius:	0.99	ft
Wetted Perimeter:	244.92	ft
Wetted Top Width:	244.68	ft
Critical Slope:	0.1825	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R8W-S13S-~~90~~ 825

Entellus™

File: T3N-R8W-S13S.dwg; Date: 7/12/02



Normal Depth Results

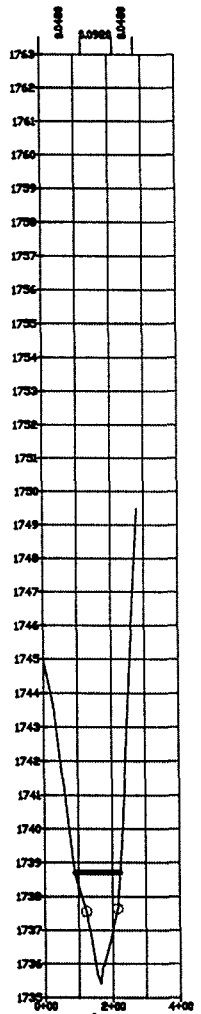
Cross-Section:	~~95~~ 830	
Elevation:	1721.19	ft MSL
Depth:	4.55	ft
Discharge:	770.00	cfs
Energy Gradient:	0.0156	ft/ft
Froude Number:	0.2946	
Flow Regime:	Subcritical	
Flow Area:	215.89	sq ft
Average Velocity:	3.57	ft/s
Maximum Velocity:	3.60	ft/s
Composite n:	0.0881	
Hydraulic Radius:	2.18	ft
Wetted Perimeter:	98.84	ft
Wetted Top Width:	98.41	ft
Critical Slope:	0.1808	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R8W-S13S-~~95~~ 830

Entellus™

File: T3N-R8W-S13S.dwg Date: 7/12/02



~~100~~ 835

Normal Depth Results

Cross-Section	~~100~~ 835	
Elevation	1738.72	ft MSL
Depth	3.29	ft
Discharge	770.00	cfs
Energy Gradient	0.0136	ft/ft
Froude Number	0.3245	
Flow Regime	Subcritical	
Flow Area	226.64	sq ft
Average Velocity	3.36	ft/s
Maximum Velocity	3.44	ft/s
Composite n	0.0797	
Hydraulic Radius	1.71	ft
Wetted Perimeter	134.75	ft
Wetted Top Width	134.54	ft
Critical Slope	0.148	ft/ft

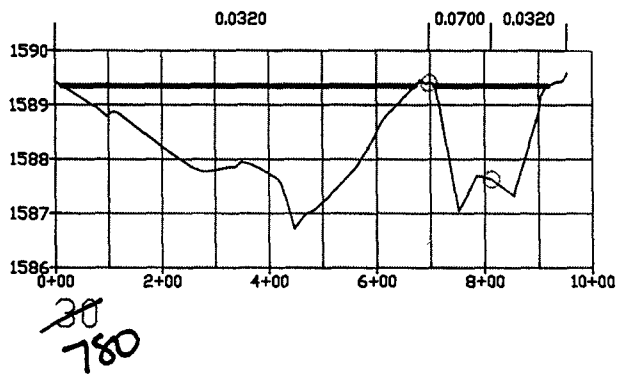
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R8W-S13S ~~100~~ 835

Entellus™

File: T3N-R8W-S13S.dwg Date: 7/12/02

T3N-R8W-S13W



Normal Depth Results

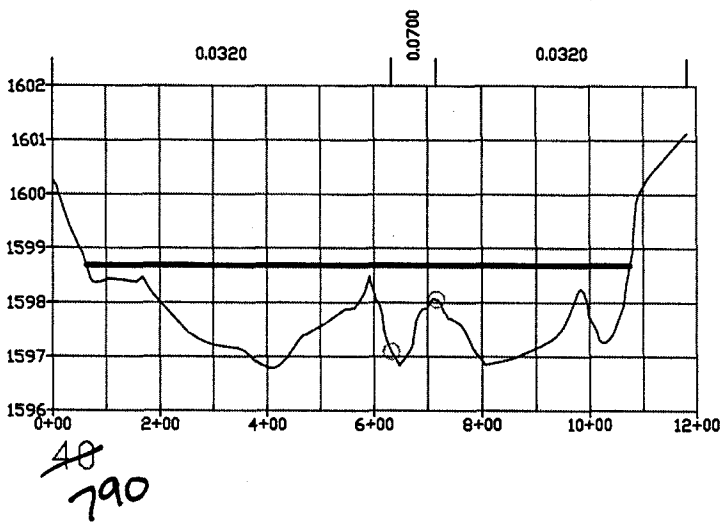
Cross-Section:	~~30~~ 780	
Elevation:	1589.35	ft MSL
Depth:	2.63	ft
Discharge:	5860.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.5811	
Flow Regime:	Subcritical	
Flow Area:	1095.27	sq ft
Average Velocity:	5.36	ft/s
Maximum Velocity:	6.01	ft/s
Composite n:	0.0374	
Hydraulic Radius:	1.26	ft
Wetted Perimeter:	868.11	ft
Wetted Top Width:	867.95	ft
Critical Slope:	0.0393	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13W–~~30~~ 780

Entellus™

File: T3N-R8W-S13W.dwg Date: 7/12/02



Normal Depth Results

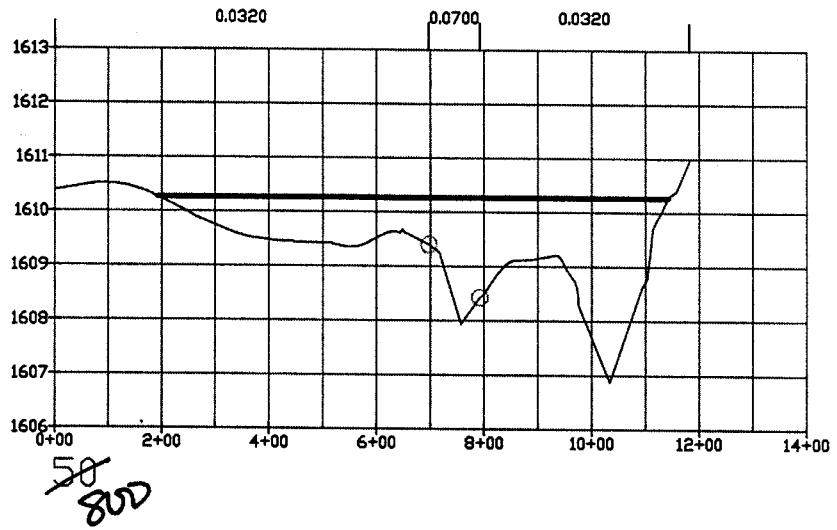
Cross-Section:	~~40~~ 790	
Elevation:	1598.68	ft MSL
Depth:	1.89	ft
Discharge:	5860.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.6622	
Flow Regime:	Subcritical	
Flow Area:	1134.01	sq ft
Average Velocity:	5.18	ft/s
Maximum Velocity:	5.87	ft/s
Composite n:	0.0358	
Hydraulic Radius:	1.12	ft
Wetted Perimeter:	1012.00	ft
Wetted Top Width:	1011.84	ft
Critical Slope:	0.0301	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13W–~~40~~ 790

Entellus™

File: T3N-R8W-S13W.dwg; Date: 7/12/02



Normal Depth Results

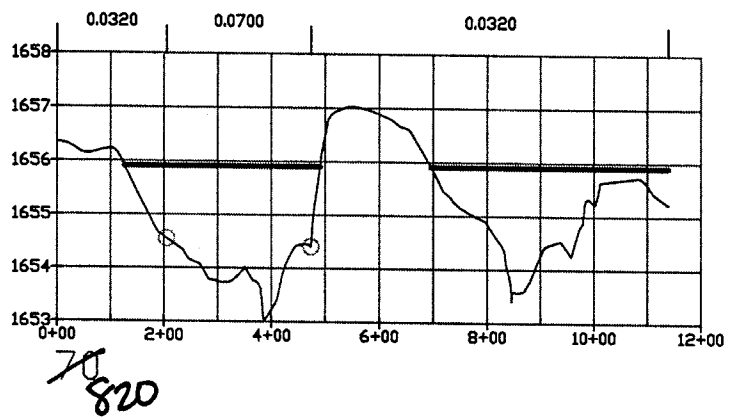
Cross-Section:	~~50~~ 800	
Elevation:	1610.27	ft MSL
Depth:	3.39	ft
Discharge:	5860.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.5247	
Flow Regime:	Subcritical	
Flow Area:	1069.57	sq ft
Average Velocity:	5.46	ft/s
Maximum Velocity:	7.02	ft/s
Composite n:	0.0365	
Hydraulic Radius:	1.12	ft
Wetted Perimeter:	950.82	ft
Wetted Top Width:	950.64	ft
Critical Slope:	0.0561	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13W–~~50~~ 800

Entellus™

File: T3N-R8W-S13W.dwg, Date: 7/12/02



Normal Depth Results

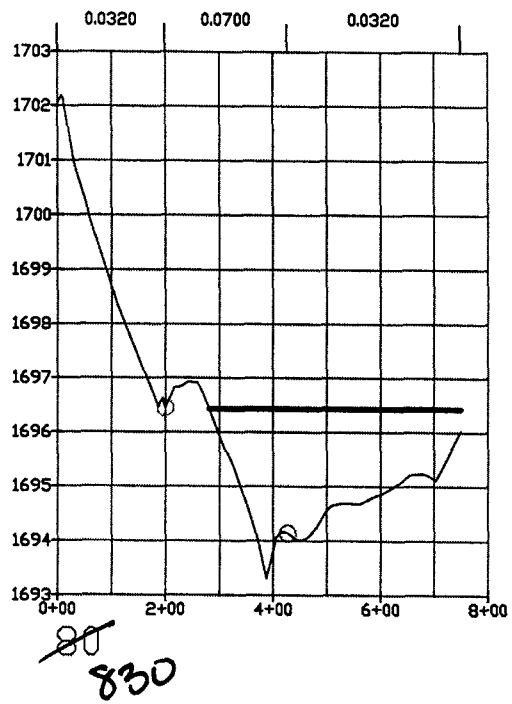
Cross-Section:	~~70~~ 820	
Elevation:	1655.91	ft MSL
Depth:	2.88	ft
Discharge:	4300.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.4373	
Flow Regime:	Subcritical	
Flow Area:	1021.82	sq ft
Average Velocity:	4.18	ft/s
Maximum Velocity:	4.86	ft/s
Composite n:	0.0463	
Hydraulic Radius:	1.26	ft
Wetted Perimeter:	808.04	ft
Wetted Top Width:	807.73	ft
Critical Slope:	0.0655	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13W–~~70~~ 820

Entellus™

File: T3N-R8W-S13W.dwg, Date: 7/12/02



Normal Depth Results

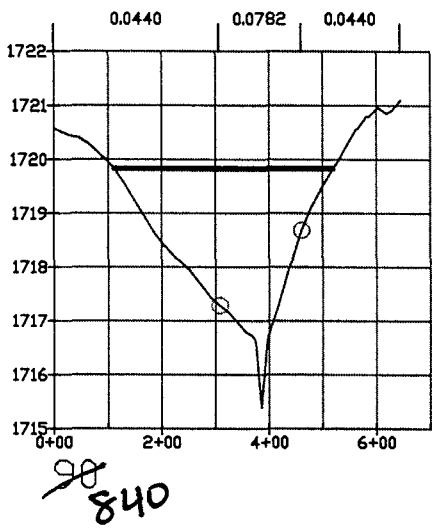
Cross-Section:	~~80~~ 830	
Elevation:	1696.43	ft MSL
Depth:	3.12	ft
Discharge:	4300.00	cfs
Energy Gradient:	0.0117	ft/ft
Froude Number:	0.5647	
Flow Regime:	Subcritical	
Flow Area:	759.79	sq ft
Average Velocity:	5.70	ft/s
Maximum Velocity:	6.87	ft/s
Composite n:	0.0455	
Hydraulic Radius:	1.62	ft
Wetted Perimeter:	468.93	ft
Wetted Top Width:	468.85	ft
Critical Slope:	0.0493	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13W–~~80~~ 830

Entellus™

File: T3N-R8W-S13W.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~90~~ 840	
Elevation:	1719.83	ft MSL
Depth:	4.44	ft
Discharge:	4060.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.4745	
Flow Regime:	Subcritical	
Flow Area:	715.73	sq ft
Average Velocity:	5.65	ft/s
Maximum Velocity:	6.21	ft/s
Composite n:	0.0579	
Hydraulic Radius:	1.75	ft
Wetted Perimeter:	408.92	ft
Wetted Top Width:	408.72	ft
Critical Slope:	0.1026	ft/ft

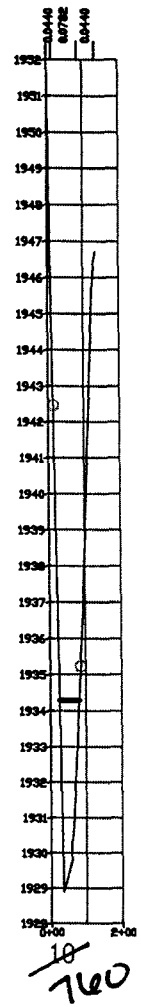
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R8W–S13W–~~90~~ 840

Entellus™

File: T3N-R8W-S13W.dwg; Date: 7/12/02

T4N-R8W-S28E



Normal Depth Results

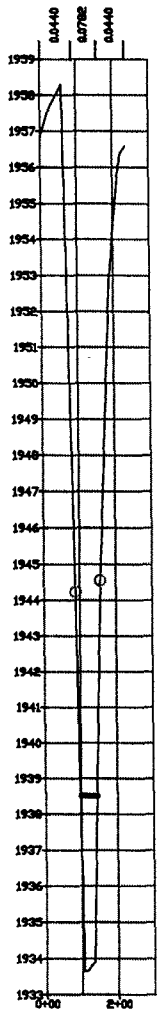
Cross-Section:	~~10~~ 760	
Elevation:	1934.30	ft MSL
Depth:	5.39	ft
Discharge:	1090.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.4374	
Flow Regime:	Subcritical	
Flow Area:	189.27	sq ft
Average Velocity:	5.77	ft/s
Maximum Velocity:	5.77	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.35	ft
Wetted Perimeter:	56.56	ft
Wetted Top Width:	54.33	ft
Critical Slope:	0.0953	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~10~~ 760

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02



~~12~~ 770

Normal Depth Results

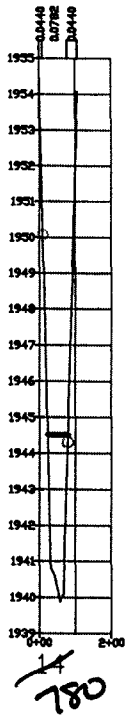
Cross-Section:	~~12~~ 770	
Elevation:	1938.51	ft MSL
Depth:	4.86	ft
Discharge:	1090.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.4883	
Flow Regime:	Subcritical	
Flow Area:	178.45	sq ft
Average Velocity:	6.10	ft/s
Maximum Velocity:	6.10	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.64	ft
Wetted Perimeter:	49.04	ft
Wetted Top Width:	46.72	ft
Critical Slope:	0.077	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~12~~ 770

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02



Normal Depth Results

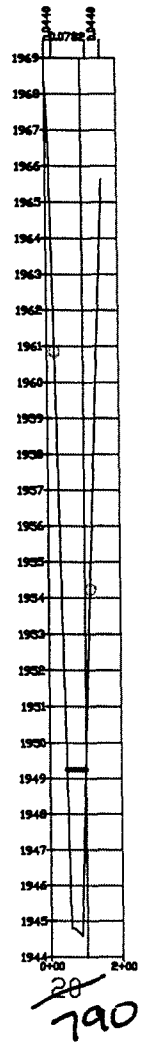
Cross-Section:	~~14~~ 780	
Elevation:	1944.52	ft MSL
Depth:	4.63	ft
Discharge:	1090.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.4714	
Flow Regime:	Subcritical	
Flow Area:	189.48	sq ft
Average Velocity:	5.74	ft/s
Maximum Velocity:	5.75	ft/s
Composite n:	0.0778	
Hydraulic Radius:	3.29	ft
Wetted Perimeter:	57.55	ft
Wetted Top Width:	56.04	ft
Critical Slope:	0.083	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~14~~ 780

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02



Normal Depth Results 790

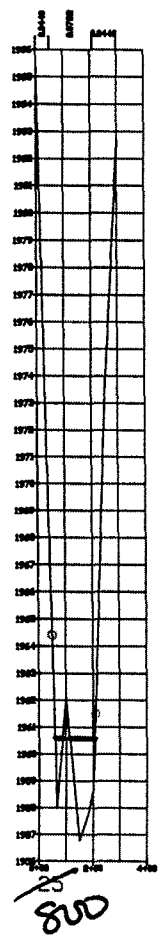
Cross-Section:	~~20~~	
Elevation:	1949.25	ft MSL
Depth:	4.66	ft
Discharge:	1090.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.481	
Flow Regime:	Subcritical	
Flow Area:	184.95	sq ft
Average Velocity:	5.89	ft/s
Maximum Velocity:	5.89	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.45	ft
Wetted Perimeter:	53.60	ft
Wetted Top Width:	51.79	ft
Critical Slope:	0.0792	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~20~~ 790

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~25~~ 800	
Elevation:	1960.58	ft MSL
Depth:	3.80	ft
Discharge:	1090.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.3834	
Flow Regime:	Subcritical	
Flow Area:	257.09	sq ft
Average Velocity:	4.25	ft/s
Maximum Velocity:	4.25	ft/s
Composite n:	0.0782	
Hydraulic Radius:	2.12	ft
Wetted Perimeter:	121.24	ft
Wetted Top Width:	120.07	ft
Critical Slope:	0.1236	ft/ft

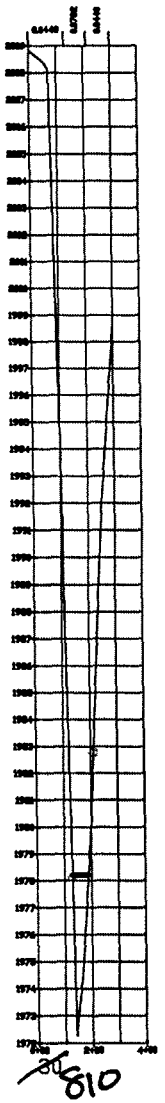
~~25~~ 800

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~25~~ 800

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02



Normal Depth Results

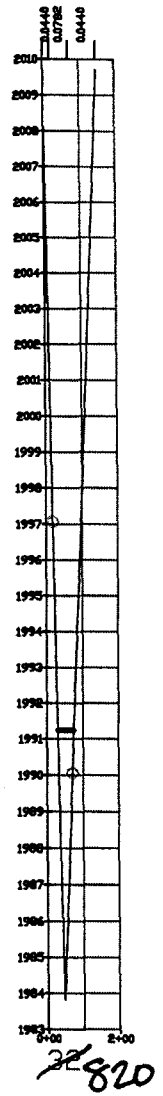
Cross-Section:	~~30~~ 810	
Elevation:	1978.22	ft MSL
Depth:	5.94	ft
Discharge:	1090.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.4052	
Flow Regime:	Subcritical	
Flow Area:	194.51	sq ft
Average Velocity:	5.61	ft/s
Maximum Velocity:	5.61	ft/s
Composite n:	0.078	
Hydraulic Radius:	3.2	ft
Wetted Perimeter:	60.77	ft
Wetted Top Width:	58.85	ft
Critical Slope:	0.1113	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~30~~ 810

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02



Normal Depth Results

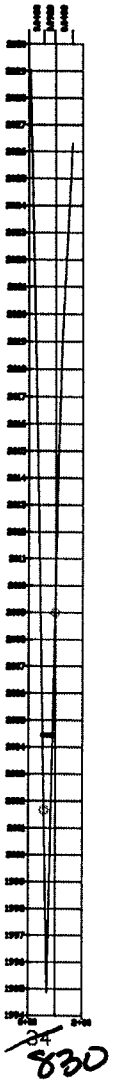
Cross-Section:	~~32~~ 820	
Elevation:	1991.24	ft MSL
Depth:	7.41	ft
Discharge:	1090.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.413	
Flow Regime:	Subcritical	
Flow Area:	170.88	sq ft
Average Velocity:	6.38	ft/s
Maximum Velocity:	6.43	ft/s
Composite n:	0.0755	
Hydraulic Radius:	3.64	ft
Wetted Perimeter:	46.95	ft
Wetted Top Width:	44.36	ft
Critical Slope:	0.1093	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~32~~ 820

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02



Normal Depth Results

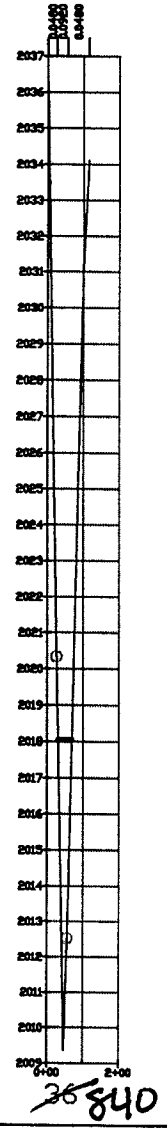
Cross-Section:	~~34~~ 830	
Elevation:	2004.45	ft MSL
Depth:	9.57	ft
Discharge:	1090.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.35	
Flow Regime:	Subcritical	
Flow Area:	177.44	sq ft
Average Velocity:	6.15	ft/s
Maximum Velocity:	6.20	ft/s
Composite n:	0.0866	
Hydraulic Radius:	4.27	ft
Wetted Perimeter:	41.55	ft
Wetted Top Width:	36.85	ft
Critical Slope:	0.1501	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~34~~ 830

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02



Normal Depth Results

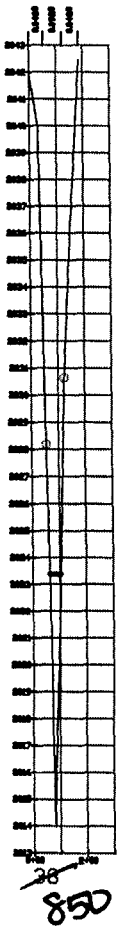
Cross-Section:	~~36~~ 840	
Elevation:	2018.04	ft MSL
Depth:	8.66	ft
Discharge:	1090.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.3907	
Flow Regime:	Subcritical	
Flow Area:	167.12	sq ft
Average Velocity:	6.52	ft/s
Maximum Velocity:	7.83	ft/s
Composite n:	0.0783	
Hydraulic Radius:	3.96	ft
Wetted Perimeter:	42.19	ft
Wetted Top Width:	38.39	ft
Critical Slope:	0.1229	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~36~~ 840

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02



Normal Depth Results

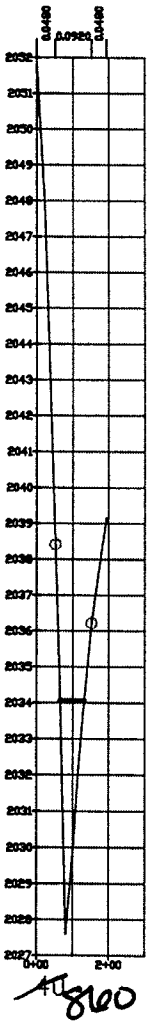
Cross-Section:	~~38~~ 850	
Elevation:	2023.37	ft MSL
Depth:	9.38	ft
Discharge:	1090.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.3263	
Flow Regime:	Subcritical	
Flow Area:	192.25	sq ft
Average Velocity:	5.68	ft/s
Maximum Velocity:	5.68	ft/s
Composite n:	0.092	
Hydraulic Radius:	4.18	ft
Wetted Perimeter:	46.04	ft
Wetted Top Width:	41.91	ft
Critical Slope:	0.1711	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~38~~ 850

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02



Normal Depth Results ~~40~~ 860

Cross-Section:		
Elevation:	2034.06	ft MSL
Depth:	6.46	ft
Discharge:	1020.00	cfs
Energy Gradient:	0.0183	ft/ft
Froude Number:	0.3275	
Flow Regime:	Subcritical	
Flow Area:	215.94	sq ft
Average Velocity:	4.72	ft/s
Maximum Velocity:	4.72	ft/s
Composite n:	0.092	
Hydraulic Radius:	3.16	ft
Wetted Perimeter:	68.32	ft
Wetted Top Width:	66.60	ft
Critical Slope:	0.1709	ft/ft

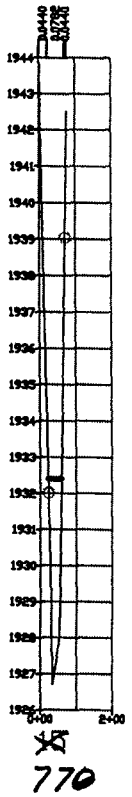
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28E–~~40~~ 860

Entellus™

File: T4N-R8W-S28E.dwg Date: 7/12/02

T4N-R8W-S28W



Normal Depth Results

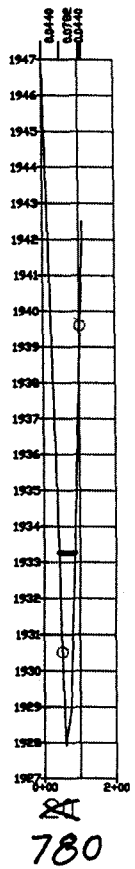
Cross-Section:	770	
Elevation:	1932.41	ft MSL
Depth:	5.69	ft
Discharge:	870.00	cfs
Energy Gradient:	0.0171	ft/ft
Froude Number:	0.4395	
Flow Regime:	Subcritical	
Flow Area:	146.27	sq ft
Average Velocity:	5.94	ft/s
Maximum Velocity:	5.94	ft/s
Composite n:	0.0775	
Hydraulic Radius:	3.61	ft
Wetted Perimeter:	40.52	ft
Wetted Top Width:	37.88	ft
Critical Slope:	0.0895	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28W–770

Entellus™

File: T4N-R8W-S28W.dwg Date: 7/12/02



Normal Depth Results

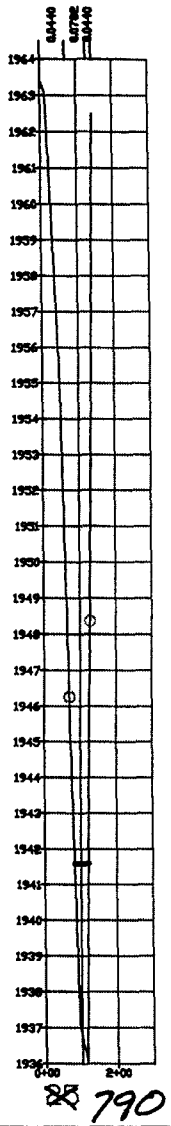
Cross-Section:	~~20~~ 780	
Elevation:	1933.27	ft MSL
Depth:	5.34	ft
Discharge:	870.00	cfs
Energy Gradient:	0.0171	ft/ft
Froude Number:	0.4496	
Flow Regime:	Subcritical	
Flow Area:	147.67	sq ft
Average Velocity:	5.88	ft/s
Maximum Velocity:	5.93	ft/s
Composite n:	0.0723	
Hydraulic Radius:	3.22	ft
Wetted Perimeter:	45.84	ft
Wetted Top Width:	44.21	ft
Critical Slope:	0.085	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28W–~~20~~ 780

Entellus™

File: T4N-R8W-S28W.dwg Date: 7/12/02



Normal Depth Results

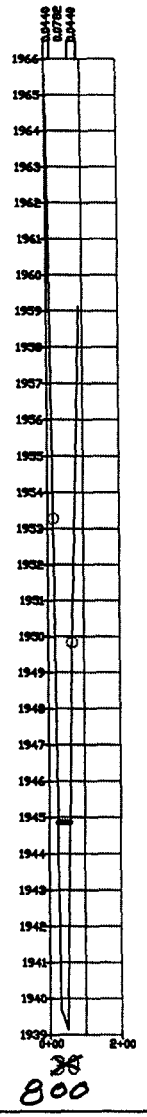
Cross-Section:	~~25~~ 790	
Elevation:	1941.60	ft MSL
Depth:	5.53	ft
Discharge:	870.00	cfs
Energy Gradient:	0.0171	ft/ft
Froude Number:	0.4359	
Flow Regime:	Subcritical	
Flow Area:	149.68	sq ft
Average Velocity:	5.81	ft/s
Maximum Velocity:	5.81	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.56	ft
Wetted Perimeter:	42.02	ft
Wetted Top Width:	38.94	ft
Critical Slope:	0.09	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28W–~~25~~ 790

Entellus™

File: T4N-R8W-S28W.dwg Date: 7/12/02



Normal Depth Results

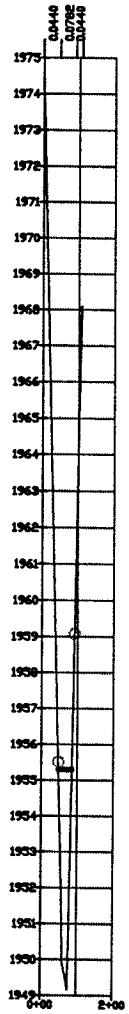
Cross-Section:	~~30~~ 800	
Elevation:	1944.87	ft MSL
Depth:	5.72	ft
Discharge:	870.00	cfs
Energy Gradient:	0.0171	ft/ft
Froude Number:	0.4495	
Flow Regime:	Subcritical	
Flow Area:	142.67	sq ft
Average Velocity:	6.10	ft/s
Maximum Velocity:	6.10	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.83	ft
Wetted Perimeter:	37.24	ft
Wetted Top Width:	33.59	ft
Critical Slope:	0.0845	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28W–~~30~~ 800

Entellus™

File: T4N-R8W-S28W.dwg Date: 7/12/02



~~40~~ 810

Normal Depth Results

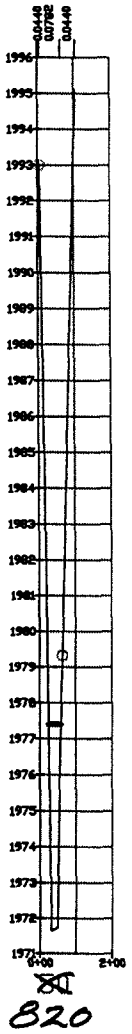
Cross-Section:	~~40~~ 810	
Elevation:	1955.30	ft MSL
Depth:	6.13	ft
Discharge:	870.00	cfs
Energy Gradient:	0.0171	ft/ft
Froude Number:	0.419	
Flow Regime:	Subcritical	
Flow Area:	147.78	sq ft
Average Velocity:	5.87	ft/s
Maximum Velocity:	5.87	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.62	ft
Wetted Perimeter:	40.82	ft
Wetted Top Width:	38.00	ft
Critical Slope:	0.0978	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28W–~~40~~ 810

Entellus™

File: T4N-R8W-S28W.dwg Date: 7/12/02



Normal Depth Results

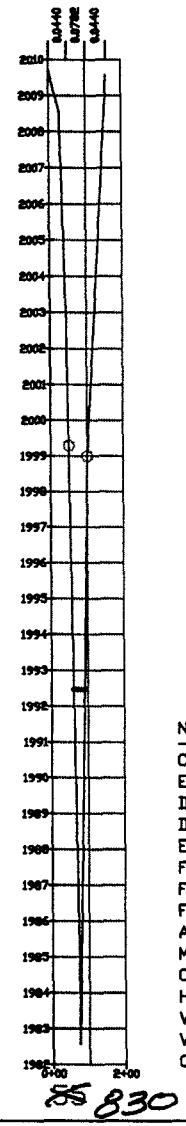
Cross-Section:	~~50~~ 820	
Elevation:	1977.41	ft MSL
Depth:	5.75	ft
Discharge:	870.00	cfs
Energy Gradient:	0.0171	ft/ft
Froude Number:	0.4454	
Flow Regime:	Subcritical	
Flow Area:	143.64	sq ft
Average Velocity:	6.07	ft/s
Maximum Velocity:	6.07	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.8	ft
Wetted Perimeter:	37.77	ft
Wetted Top Width:	34.04	ft
Critical Slope:	0.0857	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28W–~~50~~ 820

Entellus™

File: T4N-R8W-S28W.dwg Date: 7/12/02



Normal Depth Results

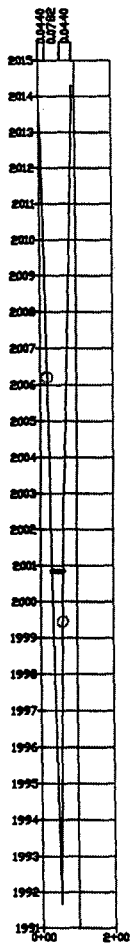
Cross-Section:	~~55~~ 830	
Elevation:	1992.47	ft MSL
Depth:	9.89	ft
Discharge:	870.00	cfs
Energy Gradient:	0.0171	ft/ft
Froude Number:	0.3472	
Flow Regime:	Subcritical	
Flow Area:	140.44	sq ft
Average Velocity:	6.18	ft/s
Maximum Velocity:	6.18	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.91	ft
Wetted Perimeter:	35.93	ft
Wetted Top Width:	29.84	ft
Critical Slope:	0.1423	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28W–~~55~~ 830

Entellus™

File: T4N-R8W-S28W.dwg Date: 7/12/02



~~58~~ 840

Normal Depth Results

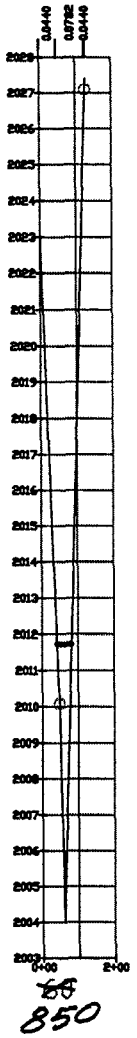
Cross-Section:	~~58~~ 840	
Elevation:	2000.85	ft MSL
Depth:	9.16	ft
Discharge:	870.00	cfs
Energy Gradient:	0.0171	ft/ft
Froude Number:	0.3664	
Flow Regime:	Subcritical	
Flow Area:	138.32	sq ft
Average Velocity:	6.30	ft/s
Maximum Velocity:	6.32	ft/s
Composite n:	0.0764	
Hydraulic Radius:	3.84	ft
Wetted Perimeter:	36.02	ft
Wetted Top Width:	30.35	ft
Critical Slope:	0.1289	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28W–~~58~~ 840

Entellus™

File: T4N-R8W-S28W.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~50~~ 850	
Elevation:	2011.72	ft MSL
Depth:	7.73	ft
Discharge:	870.00	cfs
Energy Gradient:	0.0171	ft/ft
Froude Number:	0.3771	
Flow Regime:	Subcritical	
Flow Area:	146.24	sq ft
Average Velocity:	5.96	ft/s
Maximum Velocity:	6.04	ft/s
Composite n:	0.0739	
Hydraulic Radius:	3.35	ft
Wetted Perimeter:	43.63	ft
Wetted Top Width:	40.72	ft
Critical Slope:	0.122	ft/ft

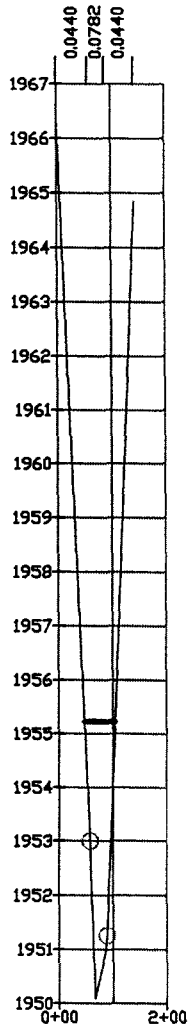
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S28W–~~50~~ 850

Entellus™

File: T4N-R8W-S28W.dwg Date: 7/12/02

T4N-R8W-S29E



~~15~~ 765

Normal Depth Results

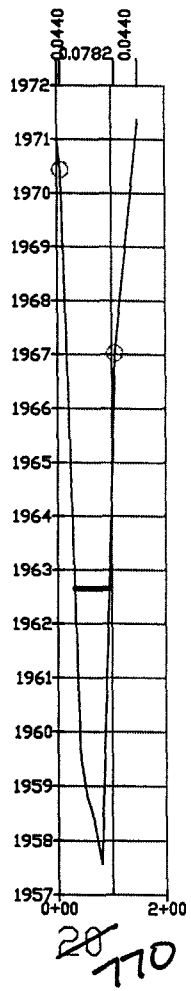
Cross-Section:	~~15~~ 765	
Elevation:	1955.23	ft MSL
Depth:	5.14	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5969	
Flow Regime:	Subcritical	
Flow Area:	179.80	sq ft
Average Velocity:	7.68	ft/s
Maximum Velocity:	8.08	ft/s
Composite n:	0.0639	
Hydraulic Radius:	3.08	ft
Wetted Perimeter:	58.41	ft
Wetted Top Width:	57.19	ft
Critical Slope:	0.0679	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~15~~ 765

Entellus™

File: T4N-R8W-S29E.dwg, Date: 7/12/02



Normal Depth Results 770

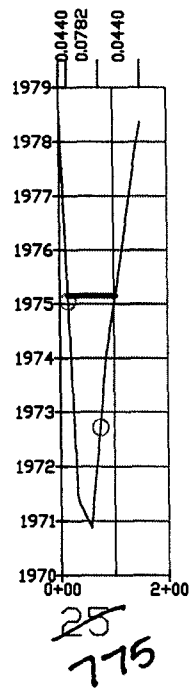
Cross-Section:	~~20~~	
Elevation:	1962.65	ft MSL
Depth:	5.07	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5071	
Flow Regime:	Subcritical	
Flow Area:	213.01	sq ft
Average Velocity:	6.49	ft/s
Maximum Velocity:	6.49	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.28	ft
Wetted Perimeter:	64.88	ft
Wetted Top Width:	63.48	ft
Critical Slope:	0.0921	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~20~~ 770

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



Normal Depth Results 775

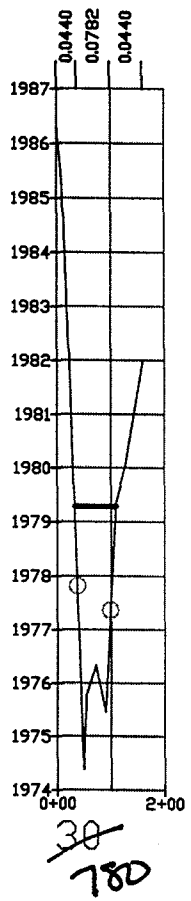
Cross-Section:	~~25~~	
Elevation:	1975.16	ft MSL
Depth:	4.28	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5328	
Flow Regime:	Subcritical	
Flow Area:	220.73	sq ft
Average Velocity:	6.24	ft/s
Maximum Velocity:	6.39	ft/s
Composite n:	0.0679	
Hydraulic Radius:	2.48	ft
Wetted Perimeter:	89.17	ft
Wetted Top Width:	88.55	ft
Critical Slope:	0.0854	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~25~~ 775

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



Normal Depth Results ~~30~~ 780

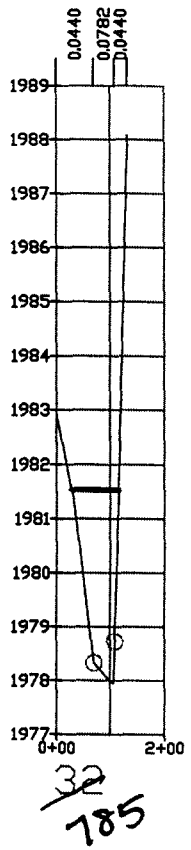
Cross-Section:		
Elevation:	1979.28	ft MSL
Depth:	4.89	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5071	
Flow Regime:	Subcritical	
Flow Area:	216.84	sq ft
Average Velocity:	6.34	ft/s
Maximum Velocity:	6.45	ft/s
Composite n:	0.0721	
Hydraulic Radius:	2.78	ft
Wetted Perimeter:	78.14	ft
Wetted Top Width:	76.86	ft
Critical Slope:	0.0945	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~30~~ 780

Entellus™

File: T4N-R8W-S29E.dwg, Date: 7/12/02



Normal Depth Results

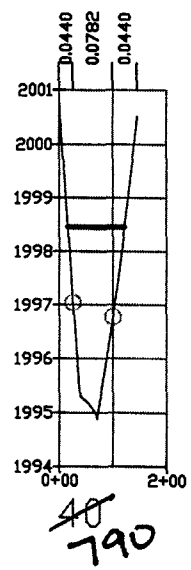
Cross-Section:	~~32~~ 785	
Elevation:	1981.54	ft MSL
Depth:	3.59	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.6259	
Flow Regime:	Subcritical	
Flow Area:	205.19	sq ft
Average Velocity:	6.72	ft/s
Maximum Velocity:	6.97	ft/s
Composite n:	0.0603	
Hydraulic Radius:	2.34	ft
Wetted Perimeter:	87.80	ft
Wetted Top Width:	86.95	ft
Critical Slope:	0.0609	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~32~~ 785

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



Normal Depth Results

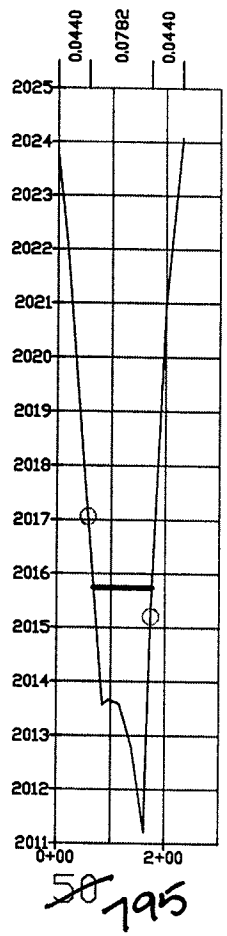
Cross-Section:	~~40~~ 790	
Elevation:	1998.46	ft MSL
Depth:	3.57	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.539	
Flow Regime:	Subcritical	
Flow Area:	238.99	sq ft
Average Velocity:	5.78	ft/s
Maximum Velocity:	5.93	ft/s
Composite n:	0.0689	
Hydraulic Radius:	2.25	ft
Wetted Perimeter:	106.01	ft
Wetted Top Width:	105.66	ft
Critical Slope:	0.083	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~40~~ 790

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



Normal Depth Results ~~50~~ 795

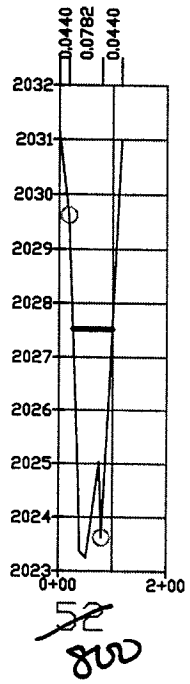
Cross-Section:		
Elevation:	2015.75	ft MSL
Depth:	4.54	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.4399	
Flow Regime:	Subcritical	
Flow Area:	259.60	sq ft
Average Velocity:	5.30	ft/s
Maximum Velocity:	5.31	ft/s
Composite n:	0.0775	
Hydraulic Radius:	2.38	ft
Wetted Perimeter:	109.21	ft
Wetted Top Width:	108.22	ft
Critical Slope:	0.1244	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~50~~ 795

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



Normal Depth Results

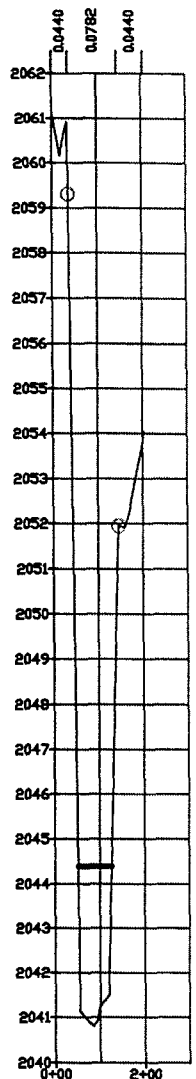
Cross-Section:	~~82~~ 800	
Elevation:	2027.53	ft MSL
Depth:	4.28	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5628	
Flow Regime:	Subcritical	
Flow Area:	209.04	sq ft
Average Velocity:	6.60	ft/s
Maximum Velocity:	8.04	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.81	ft
Wetted Perimeter:	74.48	ft
Wetted Top Width:	73.19	ft
Critical Slope:	0.0767	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~52~~ 800

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



~~60~~ 805

Normal Depth Results

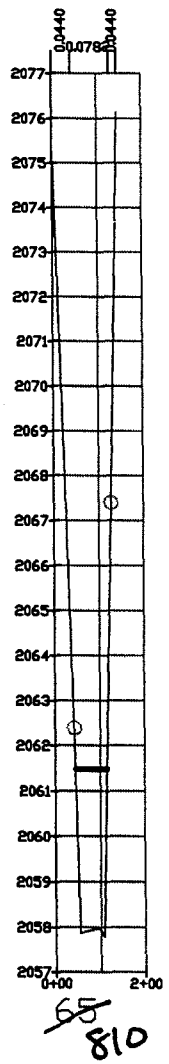
Cross-Section:	~~60~~ 805	
Elevation:	2044.39	ft MSL
Depth:	3.59	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5669	
Flow Regime:	Subcritical	
Flow Area:	226.49	sq ft
Average Velocity:	6.08	ft/s
Maximum Velocity:	6.08	ft/s
Composite n:	0.0782	
Hydraulic Radius:	2.97	ft
Wetted Perimeter:	76.16	ft
Wetted Top Width:	74.26	ft
Critical Slope:	0.0743	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~60~~ 805

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



Normal Depth Results

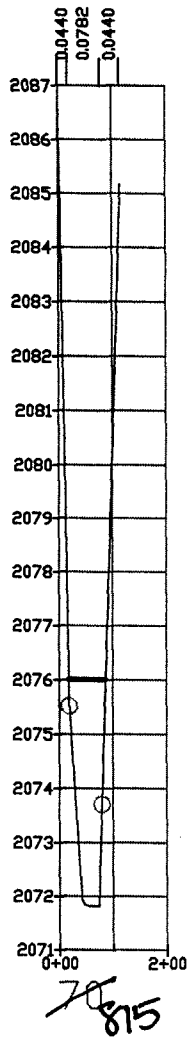
Cross-Section:	~~65~~ 810	
Elevation:	2061.48	ft MSL
Depth:	3.69	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5696	
Flow Regime:	Subcritical	
Flow Area:	222.39	sq ft
Average Velocity:	6.21	ft/s
Maximum Velocity:	6.21	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.07	ft
Wetted Perimeter:	72.35	ft
Wetted Top Width:	70.84	ft
Critical Slope:	0.0731	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~65~~ 810

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



Normal Depth Results

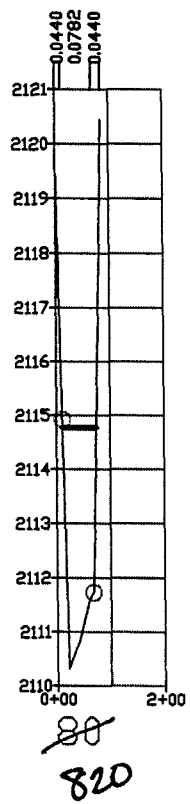
Cross-Section:	~~70~~ 815	
Elevation:	2076.01	ft MSL
Depth:	4.20	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5577	
Flow Regime:	Subcritical	
Flow Area:	212.84	sq ft
Average Velocity:	6.50	ft/s
Maximum Velocity:	6.54	ft/s
Composite n:	0.0744	
Hydraulic Radius:	3.04	ft
Wetted Perimeter:	70.11	ft
Wetted Top Width:	69.06	ft
Critical Slope:	0.0767	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~70~~ 815

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



Normal Depth Results

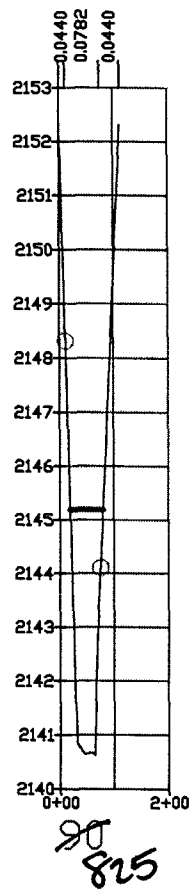
Cross-Section:	~~80~~ 820	
Elevation:	2114.77	ft MSL
Depth:	4.45	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5559	
Flow Regime:	Subcritical	
Flow Area:	207.42	sq ft
Average Velocity:	6.67	ft/s
Maximum Velocity:	6.91	ft/s
Composite n:	0.0748	
Hydraulic Radius:	3.19	ft
Wetted Perimeter:	64.94	ft
Wetted Top Width:	63.28	ft
Critical Slope:	0.0767	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~80~~ 820

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



Normal Depth Results

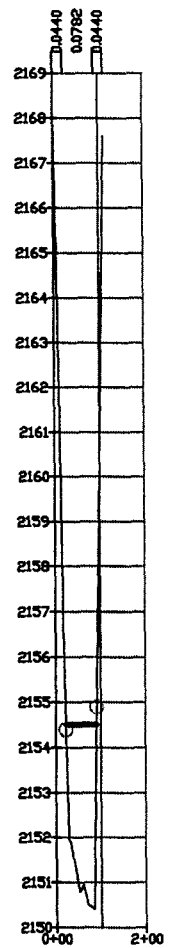
Cross-Section:	~~90~~ 825	
Elevation:	2145.20	ft MSL
Depth:	4.57	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5579	
Flow Regime:	Subcritical	
Flow Area:	204.08	sq ft
Average Velocity:	6.77	ft/s
Maximum Velocity:	6.81	ft/s
Composite n:	0.0757	
Hydraulic Radius:	3.28	ft
Wetted Perimeter:	62.16	ft
Wetted Top Width:	60.69	ft
Critical Slope:	0.0777	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~90~~ 825

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



~~92~~ 830

Normal Depth Results

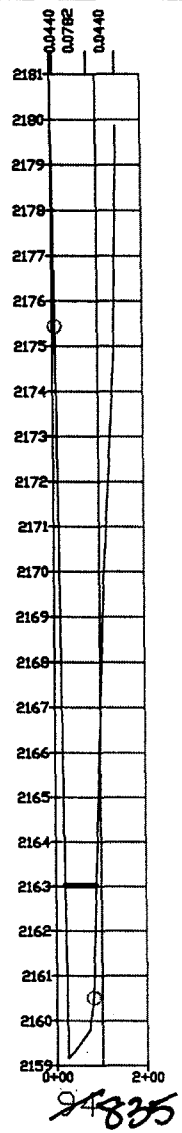
Cross-Section:	~~92~~ 830	
Elevation:	2154.51	ft MSL
Depth:	4.10	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5489	
Flow Regime:	Subcritical	
Flow Area:	218.82	sq ft
Average Velocity:	6.30	ft/s
Maximum Velocity:	6.30	ft/s
Composite n:	0.078	
Hydraulic Radius:	3.13	ft
Wetted Perimeter:	70.02	ft
Wetted Top Width:	68.16	ft
Critical Slope:	0.0793	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~92~~ 830

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



Normal Depth Results ~~94~~ 835

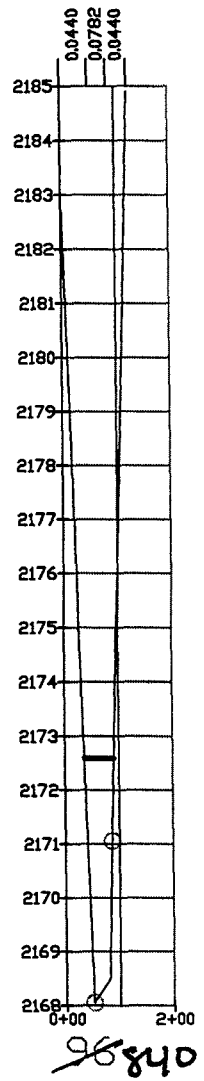
Cross-Section:		
Elevation:	2163.03	ft MSL
Depth:	3.86	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5795	
Flow Regime:	Subcritical	
Flow Area:	213.71	sq ft
Average Velocity:	6.44	ft/s
Maximum Velocity:	6.46	ft/s
Composite n:	0.0746	
Hydraulic Radius:	3.02	ft
Wetted Perimeter:	70.73	ft
Wetted Top Width:	68.87	ft
Critical Slope:	0.0714	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~94~~ 835

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



Normal Depth Results

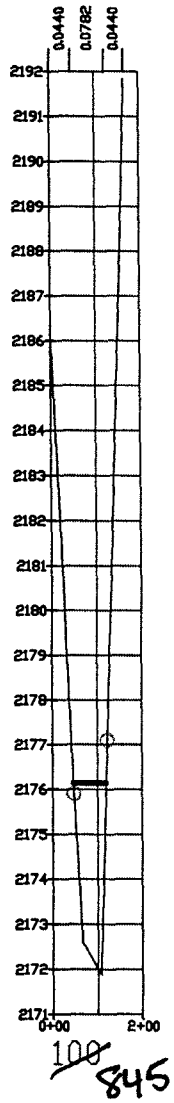
Cross-Section:	~~96~~ 840	
Elevation:	2172.59	ft MSL
Depth:	4.54	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.6331	
Flow Regime:	Subcritical	
Flow Area:	180.29	sq ft
Average Velocity:	7.64	ft/s
Maximum Velocity:	8.84	ft/s
Composite n:	0.0665	
Hydraulic Radius:	3.22	ft
Wetted Perimeter:	56.07	ft
Wetted Top Width:	54.62	ft
Critical Slope:	0.0613	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~96~~ 840

Entellus™

File: T4N-R8W-S29E.dwg, Date: 7/12/02



Normal Depth Results

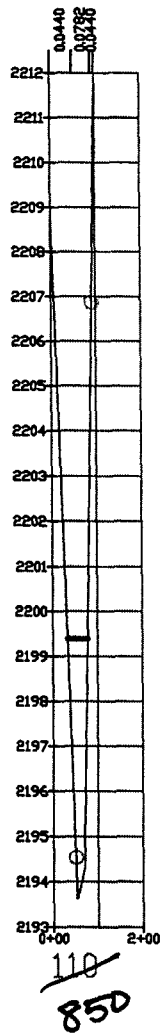
Cross-Section:	~~100~~ 845	
Elevation:	2176.14	ft MSL
Depth:	4.26	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5279	
Flow Regime:	Subcritical	
Flow Area:	223.24	sq ft
Average Velocity:	6.17	ft/s
Maximum Velocity:	6.17	ft/s
Composite n:	0.0777	
Hydraulic Radius:	3	ft
Wetted Perimeter:	74.49	ft
Wetted Top Width:	73.45	ft
Critical Slope:	0.0864	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–1~~00~~ 845

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



Normal Depth Results

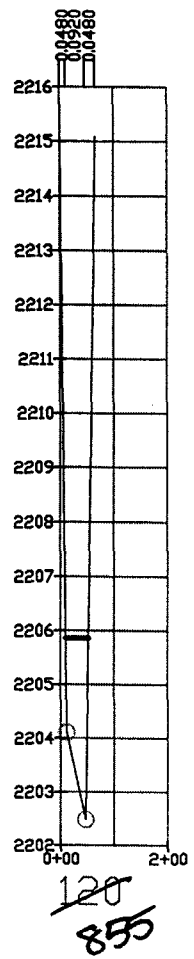
Cross-Section:	~~110~~ 850	
Elevation:	2199.39	ft MSL
Depth:	5.75	ft
Discharge:	1380.00	cfs
Energy Gradient:	0.0238	ft/ft
Froude Number:	0.5988	
Flow Regime:	Subcritical	
Flow Area:	169.38	sq ft
Average Velocity:	8.13	ft/s
Maximum Velocity:	9.19	ft/s
Composite n:	0.0665	
Hydraulic Radius:	3.58	ft
Wetted Perimeter:	47.25	ft
Wetted Top Width:	45.04	ft
Critical Slope:	0.0674	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~110~~ 850

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



Normal Depth Results

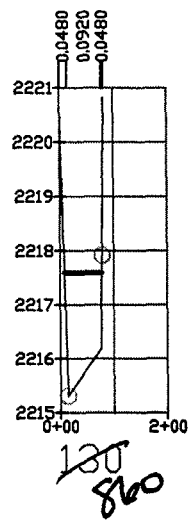
Cross-Section:	~~120~~ 855	
Elevation:	2205.86	ft MSL
Depth:	3.37	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.5794	
Flow Regime:	Subcritical	
Flow Area:	102.75	sq ft
Average Velocity:	6.03	ft/s
Maximum Velocity:	8.03	ft/s
Composite n:	0.0896	
Hydraulic Radius:	2.29	ft
Wetted Perimeter:	44.83	ft
Wetted Top Width:	43.06	ft
Critical Slope:	0.1298	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~120~~ 855

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



Normal Depth Results

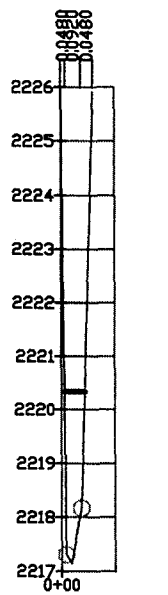
Cross-Section:	~~130~~ 860	
Elevation:	2217.60	ft MSL
Depth:	2.29	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.585	
Flow Regime:	Subcritical	
Flow Area:	123.59	sq ft
Average Velocity:	5.05	ft/s
Maximum Velocity:	6.69	ft/s
Composite n:	0.0885	
Hydraulic Radius:	1.74	ft
Wetted Perimeter:	71.14	ft
Wetted Top Width:	70.22	ft
Critical Slope:	0.1243	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~130~~ 860

Entellus™

File: T4N-R8W-S29E.dwg, Date: 7/12/02



~~135~~ 865

Normal Depth Results

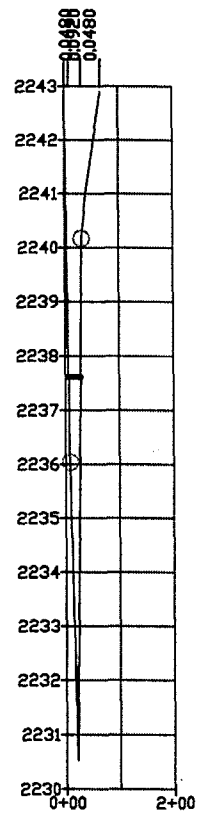
Cross-Section:	~~185~~ 865	
Elevation:	2220.34	ft MSL
Depth:	3.19	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.6603	
Flow Regime:	Subcritical	
Flow Area:	92.74	sq ft
Average Velocity:	6.66	ft/s
Maximum Velocity:	6.68	ft/s
Composite n:	0.0812	
Hydraulic Radius:	2.33	ft
Wetted Perimeter:	39.75	ft
Wetted Top Width:	38.07	ft
Critical Slope:	0.0984	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~135~~ 865

Entellus™

File: T4N-R8W-S29E.dwg, Date: 7/12/02



138
870

Normal Depth Results 870

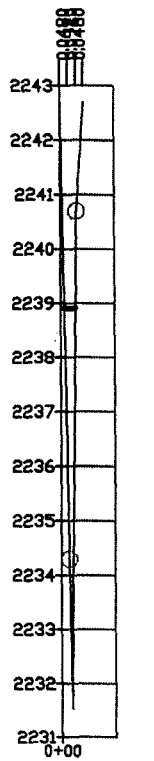
Cross-Section:	~~138~~	
Elevation:	2237.62	ft MSL
Depth:	7.08	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.4957	
Flow Regime:	Subcritical	
Flow Area:	82.87	sq ft
Average Velocity:	7.47	ft/s
Maximum Velocity:	7.52	ft/s
Composite n:	0.0885	
Hydraulic Radius:	3.12	ft
Wetted Perimeter:	26.52	ft
Wetted Top Width:	21.94	ft
Critical Slope:	0.176	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~138~~ 870

Entellus™

File: T4N-R8W-S29E.dwg, Date: 7/12/02



~~140~~ 875

Normal Depth Results

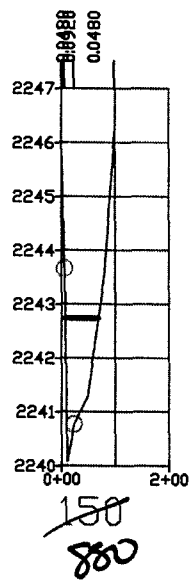
Cross-Section:	~~140~~ 875	
Elevation:	2238.91	ft MSL
Depth:	7.37	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.5345	
Flow Regime:	Subcritical	
Flow Area:	75.33	sq ft
Average Velocity:	8.22	ft/s
Maximum Velocity:	10.16	ft/s
Composite n:	0.0778	
Hydraulic Radius:	2.91	ft
Wetted Perimeter:	25.85	ft
Wetted Top Width:	20.77	ft
Critical Slope:	0.1553	ft/ft

File: T4N-R8W-S29E.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~140~~ 875

Entellus™



Normal Depth Results

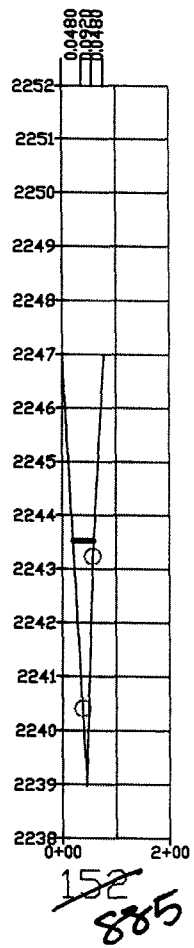
Cross-Section:	~~150~~ 880	
Elevation:	2242.74	ft MSL
Depth:	2.66	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.7213	
Flow Regime:	Subcritical	
Flow Area:	92.94	sq ft
Average Velocity:	6.71	ft/s
Maximum Velocity:	7.55	ft/s
Composite n:	0.0618	
Hydraulic Radius:	1.48	ft
Wetted Perimeter:	62.72	ft
Wetted Top Width:	61.72	ft
Critical Slope:	0.0872	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~150~~ 880

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



Normal Depth Results

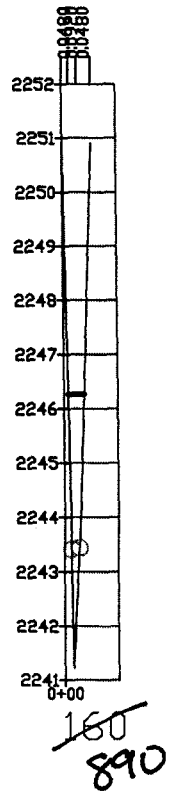
Cross-Section:	~~152~~ 885	
Elevation:	2243.53	ft MSL
Depth:	4.56	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.5984	
Flow Regime:	Subcritical	
Flow Area:	85.51	sq ft
Average Velocity:	7.28	ft/s
Maximum Velocity:	8.53	ft/s
Composite n:	0.0721	
Hydraulic Radius:	2.14	ft
Wetted Perimeter:	39.89	ft
Wetted Top Width:	38.59	ft
Critical Slope:	0.1244	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~152~~ 885

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



Normal Depth Results

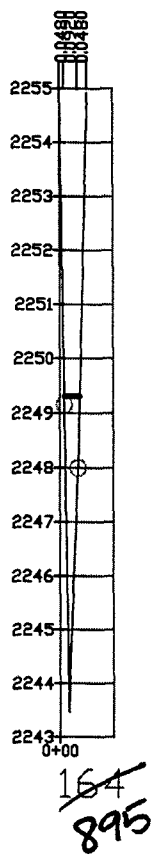
Cross-Section:	~~160~~ 890	
Elevation:	2246.27	ft MSL
Depth:	5.03	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.6224	
Flow Regime:	Subcritical	
Flow Area:	78.32	sq ft
Average Velocity:	7.93	ft/s
Maximum Velocity:	8.02	ft/s
Composite n:	0.0713	
Hydraulic Radius:	2.49	ft
Wetted Perimeter:	31.40	ft
Wetted Top Width:	29.38	ft
Critical Slope:	0.1096	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~160~~890

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



Normal Depth Results

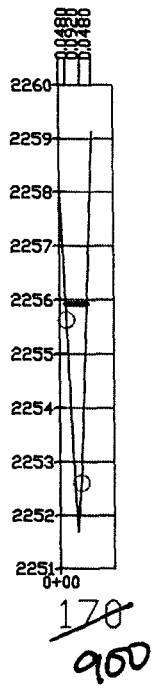
Cross-Section:	~~164~~ 895	
Elevation:	2249.31	ft MSL
Depth:	5.84	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.5124	
Flow Regime:	Subcritical	
Flow Area:	88.27	sq ft
Average Velocity:	7.00	ft/s
Maximum Velocity:	7.07	ft/s
Composite n:	0.0872	
Hydraulic Radius:	2.77	ft
Wetted Perimeter:	31.91	ft
Wetted Top Width:	29.24	ft
Critical Slope:	0.1659	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~164~~895

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



Normal Depth Results

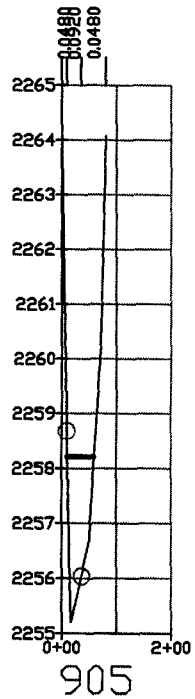
Cross-Section:	~~170~~ 900	
Elevation:	2255.93	ft MSL
Depth:	4.23	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.587	
Flow Regime:	Subcritical	
Flow Area:	90.59	sq ft
Average Velocity:	6.84	ft/s
Maximum Velocity:	8.70	ft/s
Composite n:	0.0795	
Hydraulic Radius:	2.26	ft
Wetted Perimeter:	40.01	ft
Wetted Top Width:	39.04	ft
Critical Slope:	0.1304	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~170~~900

Entellus™

File: T4N-R8W-S29E.dwg, Date: 7/12/02



Normal Depth Results

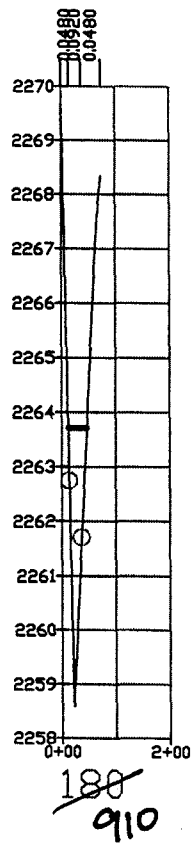
Cross-Section:	905	
Elevation:	2258.21	ft MSL
Depth:	3.00	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.668	
Flow Regime:	Subcritical	
Flow Area:	94.45	sq ft
Average Velocity:	6.59	ft/s
Maximum Velocity:	8.07	ft/s
Composite n:	0.0731	
Hydraulic Radius:	1.87	ft
Wetted Perimeter:	50.42	ft
Wetted Top Width:	49.59	ft
Critical Slope:	0.1007	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–905

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02



Normal Depth Results

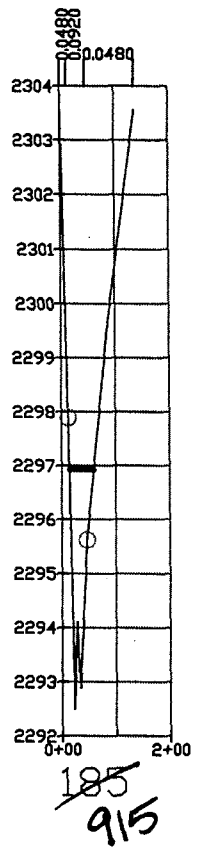
Cross-Section:	~~180~~ 910	
Elevation:	2263.72	ft MSL
Depth:	5.13	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.5549	
Flow Regime:	Subcritical	
Flow Area:	86.99	sq ft
Average Velocity:	7.10	ft/s
Maximum Velocity:	7.25	ft/s
Composite n:	0.0785	
Hydraulic Radius:	2.41	ft
Wetted Perimeter:	36.06	ft
Wetted Top Width:	34.26	ft
Critical Slope:	0.1417	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~180~~ 910

Entellus™

File: T4N-R8W-S29E.dwg, Date: 7/12/02



Normal Depth Results

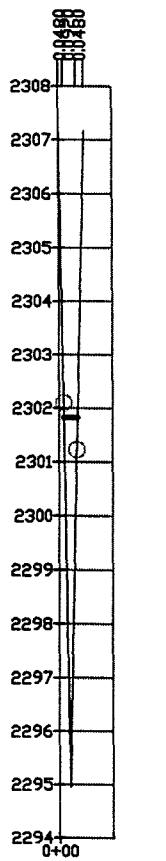
Cross-Section:	~~185~~ 915	
Elevation:	2296.92	ft MSL
Depth:	4.42	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.5262	
Flow Regime:	Subcritical	
Flow Area:	98.73	sq ft
Average Velocity:	6.28	ft/s
Maximum Velocity:	6.42	ft/s
Composite n:	0.081	
Hydraulic Radius:	2.1	ft
Wetted Perimeter:	46.98	ft
Wetted Top Width:	45.16	ft
Critical Slope:	0.1563	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~185~~915

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



~~190~~ 920

Normal Depth Results

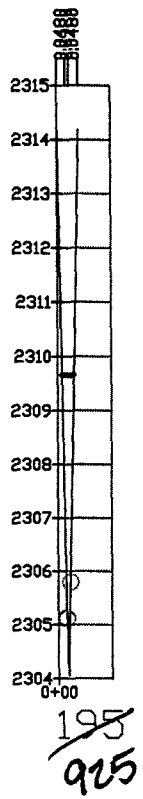
Cross-Section:	~~190~~ 920	
Elevation:	2301.83	ft MSL
Depth:	6.87	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.4807	
Flow Regime:	Subcritical	
Flow Area:	86.75	sq ft
Average Velocity:	7.16	ft/s
Maximum Velocity:	7.18	ft/s
Composite n:	0.0901	
Hydraulic Radius:	3.01	ft
Wetted Perimeter:	28.86	ft
Wetted Top Width:	25.36	ft
Critical Slope:	0.1863	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~190~~ 920

Entellus™

File: T4N-R8W-S29E.dwg; Date: 7/12/02



Normal Depth Results ~~195~~ 925

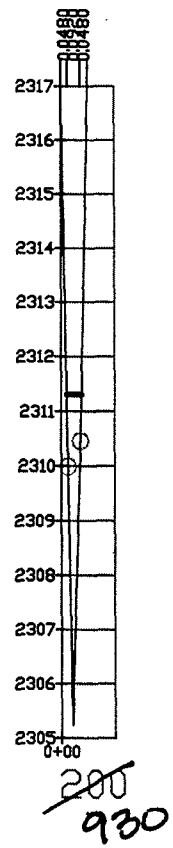
Cross-Section:		
Elevation:	2309.66	ft MSL
Depth:	5.59	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.6984	
Flow Regime:	Subcritical	
Flow Area:	66.19	sq ft
Average Velocity:	9.40	ft/s
Maximum Velocity:	10.05	ft/s
Composite n:	0.0624	
Hydraulic Radius:	2.63	ft
Wetted Perimeter:	25.19	ft
Wetted Top Width:	22.51	ft
Critical Slope:	0.087	ft/ft

File: T4N-R8W-S29E.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~195~~ 925

Entellus™



Normal Depth Results

Cross-Section:	~~200~~ 930	
Elevation:	2311.31	ft MSL
Depth:	6.07	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0426	ft/ft
Froude Number:	0.5147	
Flow Regime:	Subcritical	
Flow Area:	86.21	sq ft
Average Velocity:	7.22	ft/s
Maximum Velocity:	7.30	ft/s
Composite n:	0.0862	
Hydraulic Radius:	2.82	ft
Wetted Perimeter:	30.58	ft
Wetted Top Width:	27.90	ft
Critical Slope:	0.164	ft/ft

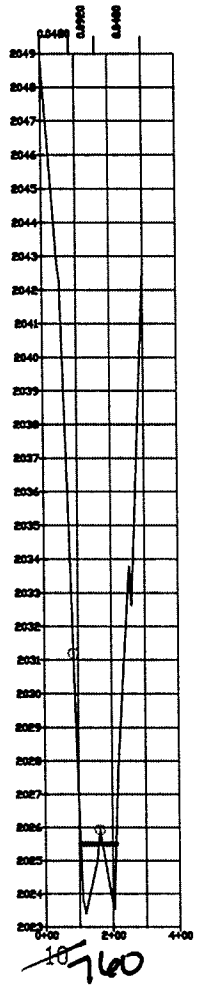
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29E–~~200~~ 930

Entellus™

File: T4N-R8W-S29E.dwg Date: 7/12/02

T4N-R8W-S29W



Normal Depth Results

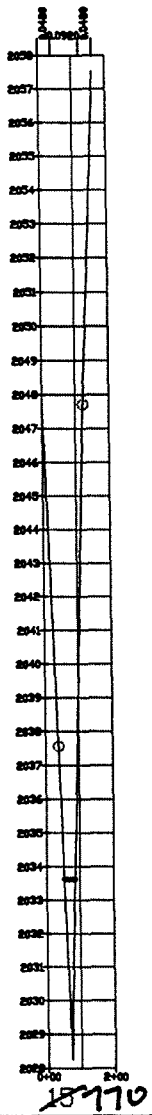
Cross-Section:	~~10~~ 760	
Elevation:	2025.50	ft MSL
Depth:	2.09	ft
Discharge:	410.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.4658	
Flow Regime:	Subcritical	
Flow Area:	107.22	sq ft
Average Velocity:	3.80	ft/s
Maximum Velocity:	5.03	ft/s
Composite n:	0.0746	
Hydraulic Radius:	1.13	ft
Wetted Perimeter:	94.59	ft
Wetted Top Width:	93.93	ft
Critical Slope:	0.143	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29W–~~10~~ 760

Entellus™

File: T4N-R8W-S29W.dwg Date: 7/12/02



Normal Depth Results

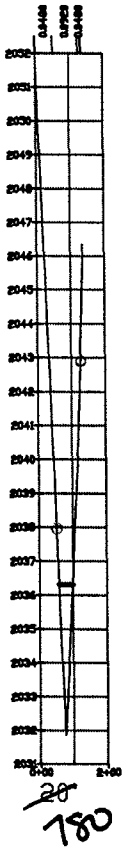
Cross-Section:	~~18~~ 770	
Elevation:	2033.63	ft MSL
Depth:	5.37	ft
Discharge:	410.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.3682	
Flow Regime:	Subcritical	
Flow Area:	84.75	sq ft
Average Velocity:	4.85	ft/s
Maximum Velocity:	4.85	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.48	ft
Wetted Perimeter:	34.15	ft
Wetted Top Width:	32.36	ft
Critical Slope:	0.1959	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29W–~~15~~ 770

Entellus™

File: T4N-R8W-S29W.dwg Date: 7/12/02



Normal Depth Results

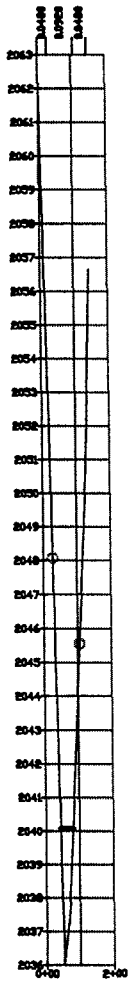
Cross-Section:	~~20~~ 780	
Elevation:	2036.31	ft MSL
Depth:	4.43	ft
Discharge:	410.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.3766	
Flow Regime:	Subcritical	
Flow Area:	91.16	sq ft
Average Velocity:	4.48	ft/s
Maximum Velocity:	4.48	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.2	ft
Wetted Perimeter:	41.34	ft
Wetted Top Width:	40.37	ft
Critical Slope:	0.1894	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29W–~~20~~ 780

Entellus™

File: T4N-R8W-S29W.dwg Date: 7/12/02



~~25~~ 790

Normal Depth Results

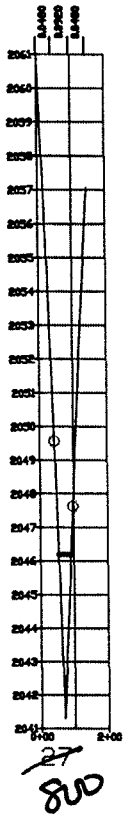
Cross-Section:	~~28~~ 790	
Elevation:	2040.09	ft MSL
Depth:	4.05	ft
Discharge:	410.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.4063	
Flow Regime:	Subcritical	
Flow Area:	88.41	sq ft
Average Velocity:	4.62	ft/s
Maximum Velocity:	4.62	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.31	ft
Wetted Perimeter:	38.30	ft
Wetted Top Width:	36.99	ft
Critical Slope:	0.1628	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29W–~~25~~ 790

Entellus™

File: T4N-R8W-S29W.dwg Date: 7/12/02



Normal Depth Results

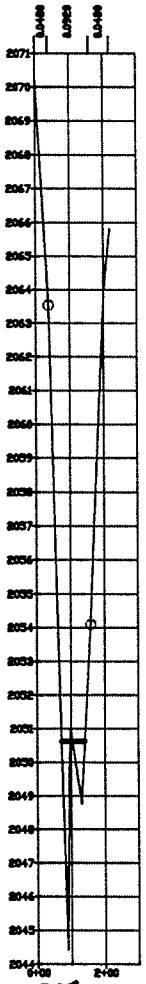
Cross-Section:	~~27~~ 800	
Elevation:	2046.19	ft MSL
Depth:	4.88	ft
Discharge:	410.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.3733	
Flow Regime:	Subcritical	
Flow Area:	87.60	sq ft
Average Velocity:	4.68	ft/s
Maximum Velocity:	4.68	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.35	ft
Wetted Perimeter:	37.28	ft
Wetted Top Width:	35.94	ft
Critical Slope:	0.1917	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29W–~~27~~ 800

Entellus™

File: T4N-R8W-S29W.dwg Date: 7/12/02



~~30~~ 810

Normal Depth Results

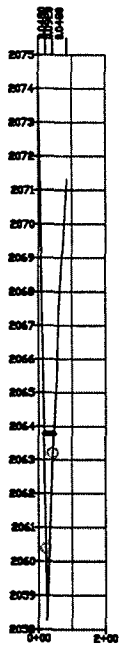
Cross-Section:	~~30~~ 810	
Elevation:	2050.63	ft MSL
Depth:	6.21	ft
Discharge:	410.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.2658	
Flow Regime:	Subcritical	
Flow Area:	109.11	sq ft
Average Velocity:	3.73	ft/s
Maximum Velocity:	3.73	ft/s
Composite n:	0.092	
Hydraulic Radius:	1.68	ft
Wetted Perimeter:	65.10	ft
Wetted Top Width:	61.69	ft
Critical Slope:	0.3825	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29W–~~30~~ 810

Entellus™

File: T4N-R8W-S29W.dwg Date: 7/12/02



~~32~~ 820

Normal Depth Results

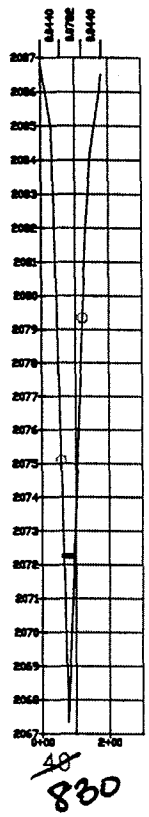
Cross-Section:	~~32~~ 820	
Elevation:	2063.79	ft MSL
Depth:	5.51	ft
Discharge:	410.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.4137	
Flow Regime:	Subcritical	
Flow Area:	74.44	sq ft
Average Velocity:	5.51	ft/s
Maximum Velocity:	6.39	ft/s
Composite n:	0.0807	
Hydraulic Radius:	2.4	ft
Wetted Perimeter:	30.97	ft
Wetted Top Width:	28.38	ft
Critical Slope:	0.1615	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29W–~~32~~ 820

Entellus™

File: T4N-R8W-S29W.dwg Date: 7/12/02



Normal Depth Results

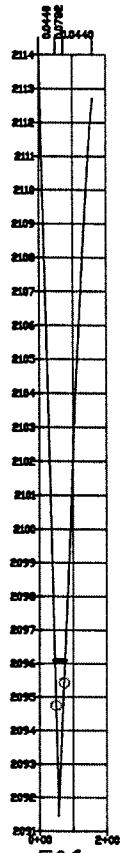
Cross-Section:	~~40~~ 830	
Elevation:	2072.25	ft MSL
Depth:	4.91	ft
Discharge:	410.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.4353	
Flow Regime:	Subcritical	
Flow Area:	74.92	sq ft
Average Velocity:	5.47	ft/s
Maximum Velocity:	5.47	ft/s
Composite n:	0.0782	
Hydraulic Radius:	2.33	ft
Wetted Perimeter:	32.18	ft
Wetted Top Width:	30.61	ft
Critical Slope:	0.141	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29W–~~40~~ 830

Entellus™

File: T4N-R8W-S29W.dwg Date: 7/12/02



~~50~~ 840

Normal Depth Results

Cross-Section:	~~50~~ 840	
Elevation:	2096.09	ft MSL
Depth:	4.64	ft
Discharge:	410.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.4761	
Flow Regime:	Subcritical	
Flow Area:	70.46	sq ft
Average Velocity:	5.83	ft/s
Maximum Velocity:	5.94	ft/s
Composite n:	0.072	
Hydraulic Radius:	2.2	ft
Wetted Perimeter:	31.98	ft
Wetted Top Width:	30.50	ft
Critical Slope:	0.1217	ft/ft

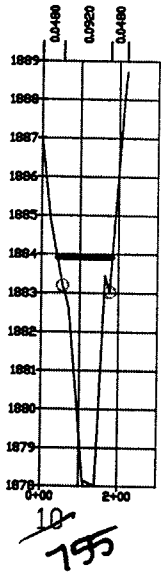
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S29W–~~50~~ 840

Entellus™

File: T4N-R8W-S29W.dwg Date: 7/12/02

T4N-R8W-S31E



Normal Depth Results

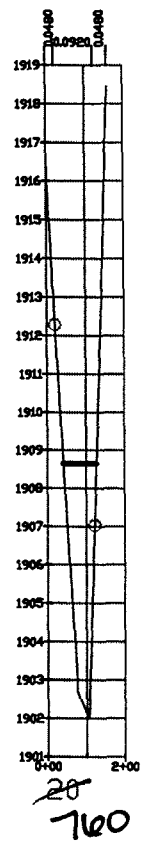
Cross-Section:	~~10~~ 755	
Elevation:	1883.92	ft MSL
Depth:	5.90	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3226	
Flow Regime:	Subcritical	
Flow Area:	425.19	sq ft
Average Velocity:	4.44	ft/s
Maximum Velocity:	4.48	ft/s
Composite n:	0.0865	
Hydraulic Radius:	2.97	ft
Wetted Perimeter:	142.97	ft
Wetted Top Width:	141.99	ft
Critical Slope:	0.1496	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~10~~755

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

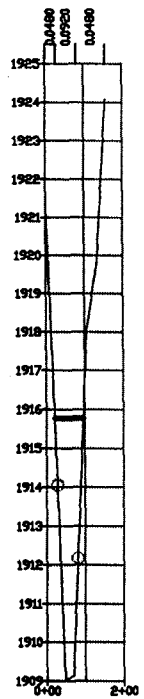
Cross-Section:	~~20~~ 760	
Elevation:	1908.65	ft MSL
Depth:	6.66	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3581	
Flow Regime:	Subcritical	
Flow Area:	360.38	sq ft
Average Velocity:	5.25	ft/s
Maximum Velocity:	5.27	ft/s
Composite n:	0.0895	
Hydraulic Radius:	4.11	ft
Wetted Perimeter:	87.77	ft
Wetted Top Width:	86.27	ft
Critical Slope:	0.1178	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~20~~ 760

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



~~23~~ 765

Normal Depth Results

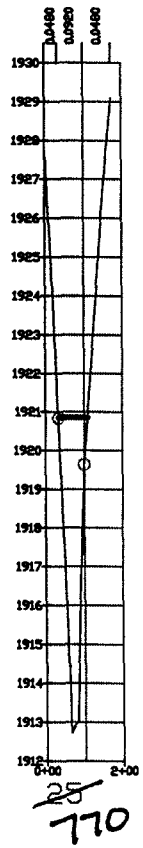
Cross-Section:	~~23~~ 765	
Elevation:	1915.78	ft MSL
Depth:	6.73	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4047	
Flow Regime:	Subcritical	
Flow Area:	317.48	sq ft
Average Velocity:	5.96	ft/s
Maximum Velocity:	6.05	ft/s
Composite n:	0.0806	
Hydraulic Radius:	4.21	ft
Wetted Perimeter:	75.38	ft
Wetted Top Width:	73.70	ft
Critical Slope:	0.0931	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~23~~ 765

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

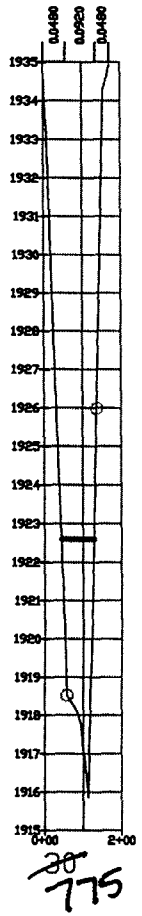
Cross-Section:	~~25~~ 770	
Elevation:	1920.86	ft MSL
Depth:	8.13	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3458	
Flow Regime:	Subcritical	
Flow Area:	337.96	sq ft
Average Velocity:	5.59	ft/s
Maximum Velocity:	5.64	ft/s
Composite n:	0.0875	
Hydraulic Radius:	4.31	ft
Wetted Perimeter:	78.38	ft
Wetted Top Width:	76.04	ft
Critical Slope:	0.1287	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~25~~ 770

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

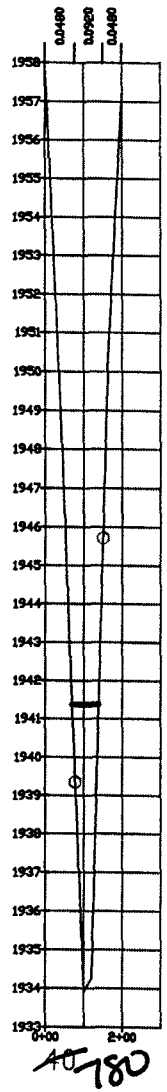
Cross-Section:	~~30~~ 775	
Elevation:	1922.59	ft MSL
Depth:	6.73	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3654	
Flow Regime:	Subcritical	
Flow Area:	351.37	sq ft
Average Velocity:	5.40	ft/s
Maximum Velocity:	5.96	ft/s
Composite n:	0.0853	
Hydraulic Radius:	4	ft
Wetted Perimeter:	87.80	ft
Wetted Top Width:	85.63	ft
Critical Slope:	0.1118	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~30~~ 775

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

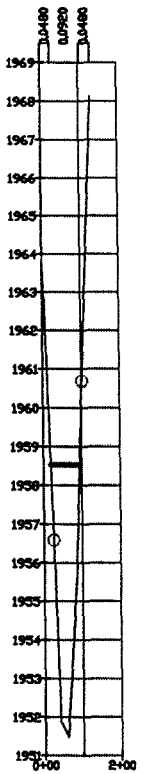
Cross-Section:	~~40~~ 780	
Elevation:	1941.38	ft MSL
Depth:	7.46	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3734	
Flow Regime:	Subcritical	
Flow Area:	326.72	sq ft
Average Velocity:	5.78	ft/s
Maximum Velocity:	5.84	ft/s
Composite n:	0.0873	
Hydraulic Radius:	4.56	ft
Wetted Perimeter:	71.58	ft
Wetted Top Width:	69.41	ft
Critical Slope:	0.109	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~40~~ 780

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



~~50~~ 785

Normal Depth Results

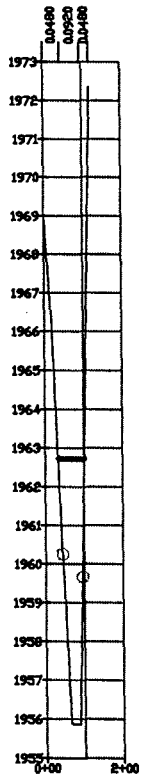
Cross-Section:	~~50~~ 785	
Elevation:	1958.54	ft MSL
Depth:	7.05	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3679	
Flow Regime:	Subcritical	
Flow Area:	341.16	sq ft
Average Velocity:	5.54	ft/s
Maximum Velocity:	5.57	ft/s
Composite n:	0.0887	
Hydraulic Radius:	4.39	ft
Wetted Perimeter:	77.77	ft
Wetted Top Width:	76.03	ft
Critical Slope:	0.1119	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~50~~ 785

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



~~55~~ 790

Normal Depth Results

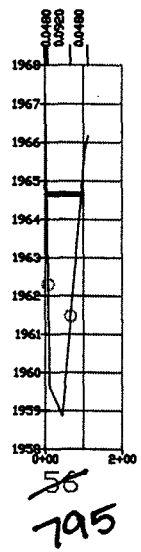
Cross-Section:	~~55~~ 790	
Elevation:	1962.72	ft MSL
Depth:	6.85	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4064	
Flow Regime:	Subcritical	
Flow Area:	313.14	sq ft
Average Velocity:	6.04	ft/s
Maximum Velocity:	6.16	ft/s
Composite n:	0.0823	
Hydraulic Radius:	4.44	ft
Wetted Perimeter:	70.52	ft
Wetted Top Width:	68.20	ft
Critical Slope:	0.0923	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~55~~ 790

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

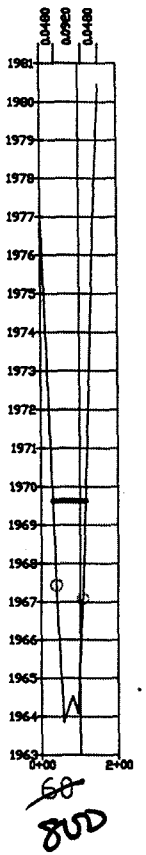
Cross-Section:	~~56~~ 795	
Elevation:	1964.66	ft MSL
Depth:	5.79	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4101	
Flow Regime:	Subcritical	
Flow Area:	337.69	sq ft
Average Velocity:	5.60	ft/s
Maximum Velocity:	5.69	ft/s
Composite n:	0.0781	
Hydraulic Radius:	3.69	ft
Wetted Perimeter:	91.50	ft
Wetted Top Width:	89.72	ft
Critical Slope:	0.0898	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~56~~ 795

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

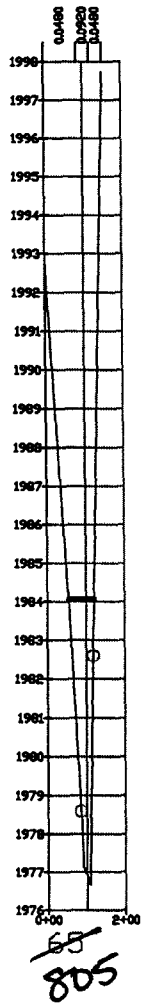
Cross-Section:	~~60~~ 800	
Elevation:	1969.63	ft MSL
Depth:	5.77	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4025	
Flow Regime:	Subcritical	
Flow Area:	344.43	sq ft
Average Velocity:	5.48	ft/s
Maximum Velocity:	5.56	ft/s
Composite n:	0.0842	
Hydraulic Radius:	3.98	ft
Wetted Perimeter:	86.47	ft
Wetted Top Width:	85.10	ft
Critical Slope:	0.0941	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~60~~ 800

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

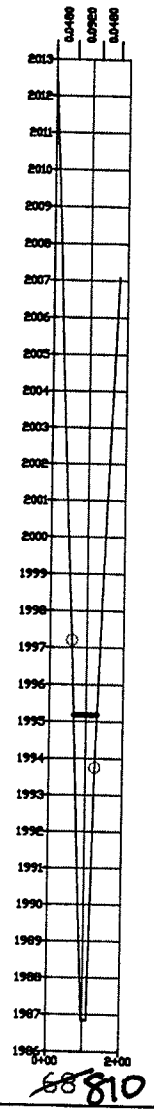
Cross-Section:	~~65~~ 805	
Elevation:	1984.06	ft MSL
Depth:	7.39	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4313	
Flow Regime:	Subcritical	
Flow Area:	284.09	sq ft
Average Velocity:	6.66	ft/s
Maximum Velocity:	7.28	ft/s
Composite n:	0.0714	
Hydraulic Radius:	4.14	ft
Wetted Perimeter:	68.68	ft
Wetted Top Width:	65.89	ft
Critical Slope:	0.0824	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~65~~ 805

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

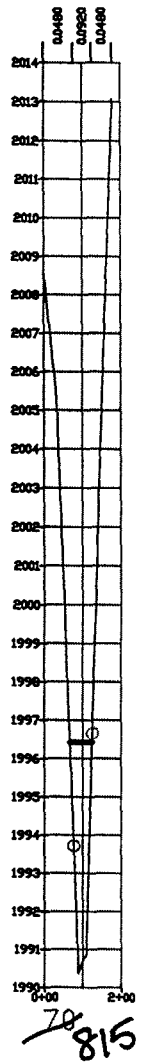
Cross-Section:	~~68~~ 810	
Elevation:	1995.18	ft MSL
Depth:	8.34	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3582	
Flow Regime:	Subcritical	
Flow Area:	322.03	sq ft
Average Velocity:	5.88	ft/s
Maximum Velocity:	5.91	ft/s
Composite n:	0.089	
Hydraulic Radius:	4.8	ft
Wetted Perimeter:	67.11	ft
Wetted Top Width:	64.31	ft
Critical Slope:	0.1183	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~68~~ 810

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

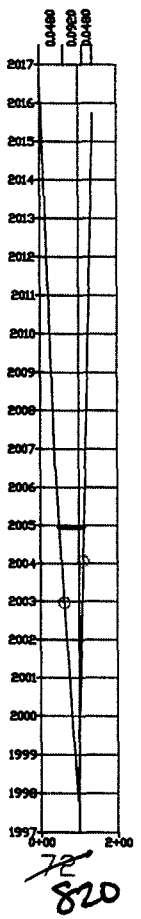
Cross-Section:	~~70~~ 815	
Elevation:	1996.43	ft MSL
Depth:	6.05	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.0395	ft/ft
Froude Number:	0.6059	
Flow Regime:	Subcritical	
Flow Area:	223.64	sq ft
Average Velocity:	8.44	ft/s
Maximum Velocity:	8.51	ft/s
Composite n:	0.0849	
Hydraulic Radius:	3.75	ft
Wetted Perimeter:	59.57	ft
Wetted Top Width:	57.80	ft
Critical Slope:	0.1083	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~70~~ 815

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

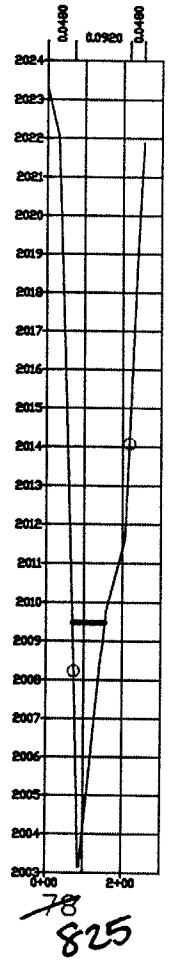
Cross-Section:	~~72~~ 820	
Elevation:	2004.96	ft MSL
Depth:	7.14	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.0395	ft/ft
Froude Number:	0.5469	
Flow Regime:	Subcritical	
Flow Area:	228.05	sq ft
Average Velocity:	8.30	ft/s
Maximum Velocity:	8.46	ft/s
Composite n:	0.0827	
Hydraulic Radius:	3.47	ft
Wetted Perimeter:	65.79	ft
Wetted Top Width:	63.77	ft
Critical Slope:	0.1349	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~72~~ 820

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

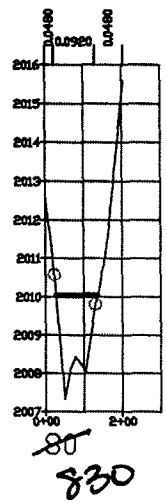
Cross-Section:	~~78~~ 825	
Elevation:	2009.48	ft MSL
Depth:	6.33	ft
Discharge:	1890.00	cfs
Energy Gradient:	0.0395	ft/ft
Froude Number:	0.4903	
Flow Regime:	Subcritical	
Flow Area:	270.17	sq ft
Average Velocity:	7.02	ft/s
Maximum Velocity:	7.04	ft/s
Composite n:	0.0903	
Hydraulic Radius:	3.12	ft
Wetted Perimeter:	86.56	ft
Wetted Top Width:	85.07	ft
Critical Slope:	0.164	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~78~~ 825

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~80~~ 830	
Elevation:	2010.04	ft MSL
Depth:	2.70	ft
Discharge:	720.00	cfs
Energy Gradient:	0.0395	ft/ft
Froude Number:	0.4708	
Flow Regime:	Subcritical	
Flow Area:	163.98	sq ft
Average Velocity:	4.37	ft/s
Maximum Velocity:	4.39	ft/s
Composite n:	0.0898	
Hydraulic Radius:	1.51	ft
Wetted Perimeter:	108.80	ft
Wetted Top Width:	108.54	ft
Critical Slope:	0.1829	ft/ft

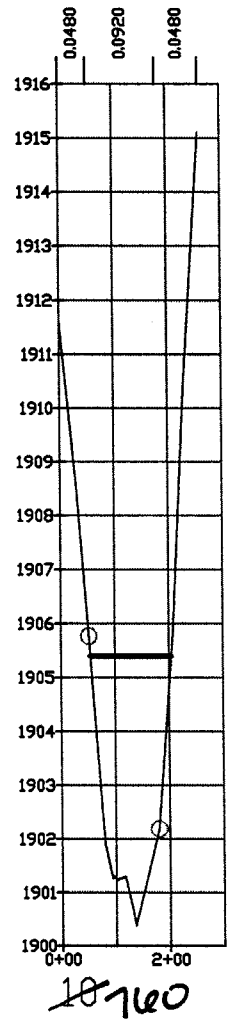
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31E–~~80~~ 830

Entellus™

File: T4N-R8W-S31E.dwg Date: 7/12/02

T4N-R8W-S31N



Normal Depth Results

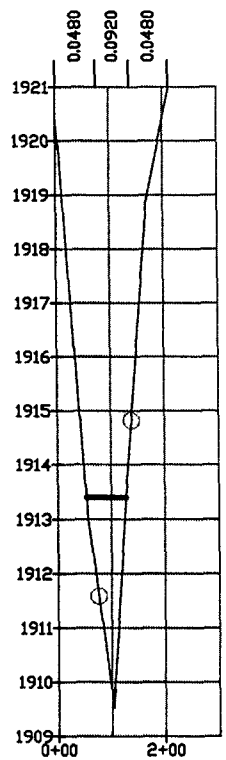
Cross-Section:	~~10~~ 760	
Elevation:	1905.40	ft MSL
Depth:	5.02	ft
Discharge:	2590.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.4078	
Flow Regime:	Subcritical	
Flow Area:	499.65	sq ft
Average Velocity:	5.19	ft/s
Maximum Velocity:	5.66	ft/s
Composite n:	0.0856	
Hydraulic Radius:	3.33	ft
Wetted Perimeter:	150.27	ft
Wetted Top Width:	149.74	ft
Critical Slope:	0.1075	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~10~~ 760

Entellus™

File: T4N-R8W-S31N.dwg Date: 7/12/02



~~20~~ 770

Normal Depth Results

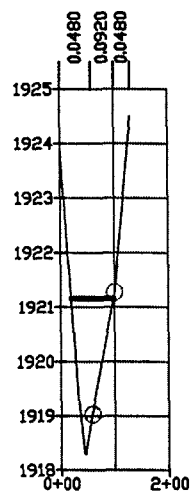
Cross-Section:	~~20~~ 770	
Elevation:	1913.40	ft MSL
Depth:	3.87	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.3498	
Flow Regime:	Subcritical	
Flow Area:	146.03	sq ft
Average Velocity:	3.90	ft/s
Maximum Velocity:	4.10	ft/s
Composite n:	0.08	
Hydraulic Radius:	1.96	ft
Wetted Perimeter:	74.42	ft
Wetted Top Width:	73.96	ft
Critical Slope:	0.1463	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~20~~ 770

Entellus™

File: T4N-R8W-S31N.dwg; Date: 7/12/02



~~22~~ 780

Normal Depth Results

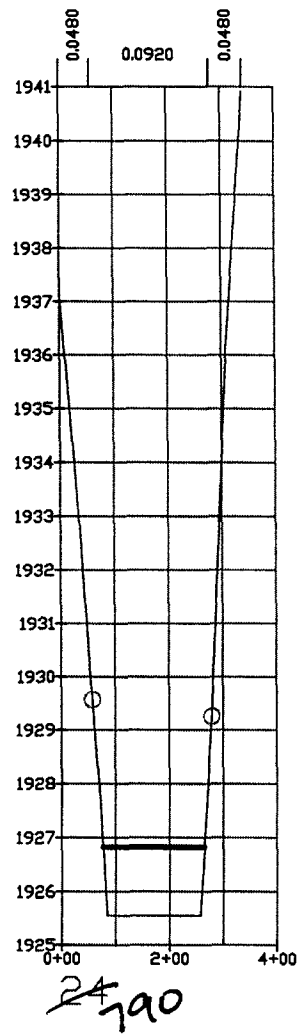
Cross-Section:	~~22~~ 780	
Elevation:	1921.16	ft MSL
Depth:	2.86	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.5072	
Flow Regime:	Subcritical	
Flow Area:	117.05	sq ft
Average Velocity:	4.90	ft/s
Maximum Velocity:	6.42	ft/s
Composite n:	0.072	
Hydraulic Radius:	1.49	ft
Wetted Perimeter:	78.75	ft
Wetted Top Width:	78.50	ft
Critical Slope:	0.1271	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~22~~ 780

Entellus™

File: T4N-R8W-S31N.dwg, Date: 7/12/02



Normal Depth Results

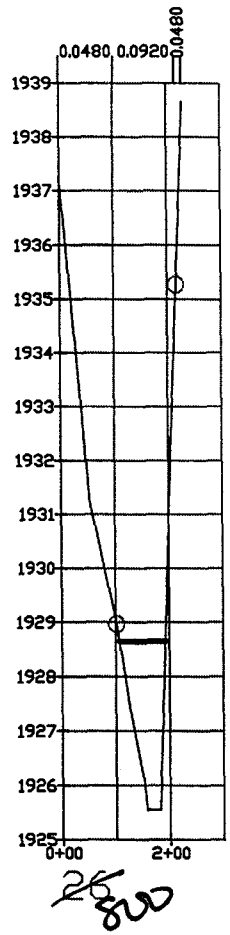
Cross-Section:	~~24~~ 790	
Elevation:	1926.83	ft MSL
Depth:	1.28	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.3845	
Flow Regime:	Subcritical	
Flow Area:	230.95	sq ft
Average Velocity:	2.48	ft/s
Maximum Velocity:	2.48	ft/s
Composite n:	0.092	
Hydraulic Radius:	1.23	ft
Wetted Perimeter:	188.27	ft
Wetted Top Width:	188.07	ft
Critical Slope:	0.1196	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~24~~ 790

Entellus™

File: T4N-R8W-S31N.dwg, Date: 7/12/02



Normal Depth Results

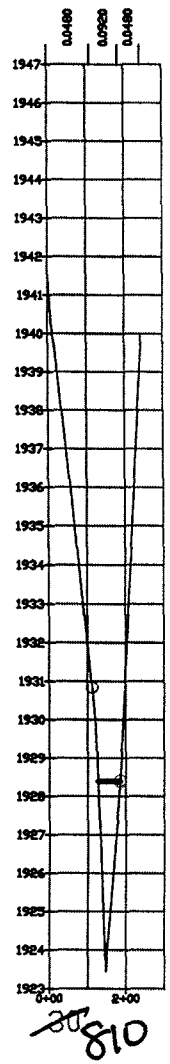
Cross-Section:	~~26~~ 800	
Elevation:	1928.65	ft MSL
Depth:	3.10	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.3377	
Flow Regime:	Subcritical	
Flow Area:	168.95	sq ft
Average Velocity:	3.39	ft/s
Maximum Velocity:	3.39	ft/s
Composite n:	0.092	
Hydraulic Radius:	1.96	ft
Wetted Perimeter:	86.23	ft
Wetted Top Width:	85.69	ft
Critical Slope:	0.1551	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~26~~ 800

Entellus™

File: T4N-R8W-S31N.dwg, Date: 7/12/02



Normal Depth Results

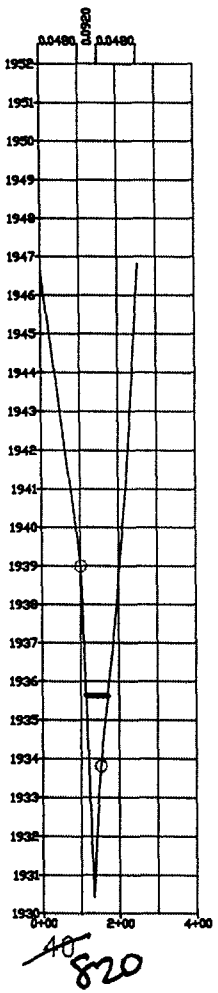
Cross-Section:	~~28~~ 810	
Elevation:	1928.40	ft MSL
Depth:	4.95	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.3135	
Flow Regime:	Subcritical	
Flow Area:	144.09	sq ft
Average Velocity:	3.95	ft/s
Maximum Velocity:	3.95	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.46	ft
Wetted Perimeter:	58.59	ft
Wetted Top Width:	57.66	ft
Critical Slope:	0.1827	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~30~~ 810

Entellus™

File: T4N-R8W-S31N.dwg Date: 7/12/02



Normal Depth Results

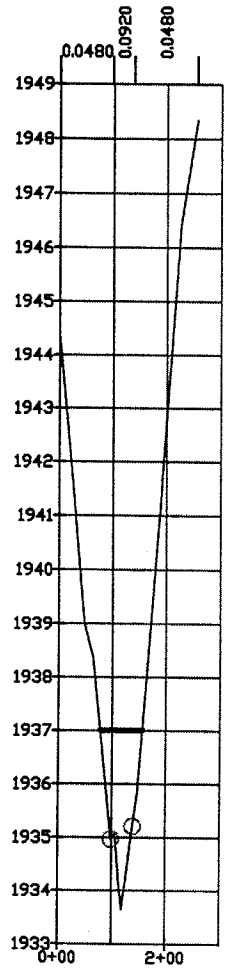
Cross-Section:	~~40~~ 820	
Elevation:	1935.63	ft MSL
Depth:	5.19	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.3372	
Flow Regime:	Subcritical	
Flow Area:	130.79	sq ft
Average Velocity:	4.34	ft/s
Maximum Velocity:	4.41	ft/s
Composite n:	0.079	
Hydraulic Radius:	2.25	ft
Wetted Perimeter:	58.04	ft
Wetted Top Width:	56.95	ft
Critical Slope:	0.1592	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~40~~ 820

Entellus™

File: T4N-R8W-S31N.dwg Date: 7/12/02



~~42~~ 830

Normal Depth Results

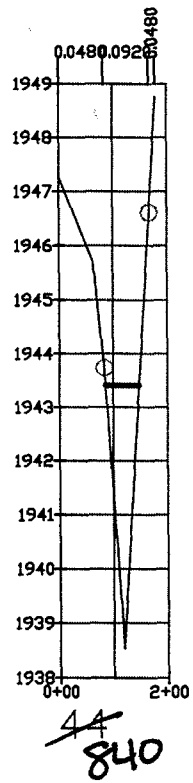
Cross-Section:	~~42~~ 830	
Elevation:	1937.01	ft MSL
Depth:	3.36	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.3905	
Flow Regime:	Subcritical	
Flow Area:	140.44	sq ft
Average Velocity:	4.06	ft/s
Maximum Velocity:	4.21	ft/s
Composite n:	0.0722	
Hydraulic Radius:	1.78	ft
Wetted Perimeter:	78.84	ft
Wetted Top Width:	78.50	ft
Critical Slope:	0.1177	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~42~~ 830

Entellus™

File: T4N-R8W-S31N.dwg Date: 7/12/02



Normal Depth Results

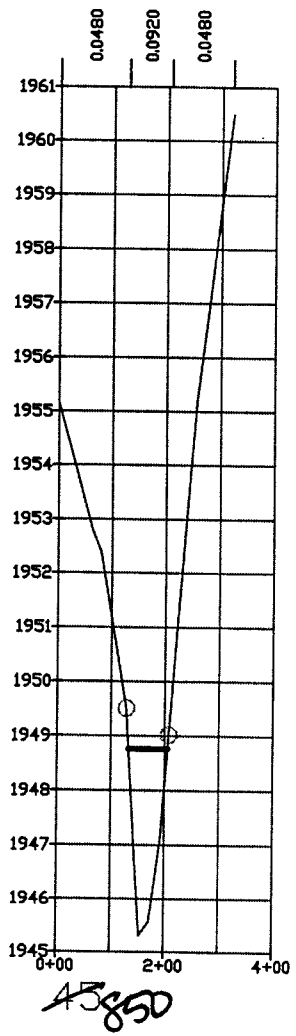
Cross-Section:	~~44~~ 840	
Elevation:	1943.41	ft MSL
Depth:	4.87	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.3076	
Flow Regime:	Subcritical	
Flow Area:	148.00	sq ft
Average Velocity:	3.85	ft/s
Maximum Velocity:	3.85	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.37	ft
Wetted Perimeter:	62.54	ft
Wetted Top Width:	61.77	ft
Critical Slope:	0.1894	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~44~~ 840

Entellus™

File: T4N-R8W-S31N.dwg, Date: 7/12/02



Normal Depth Results

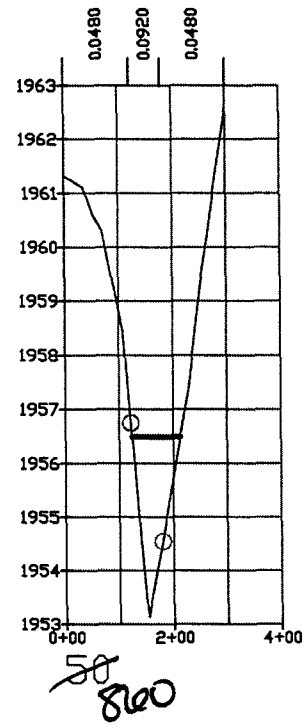
Cross-Section:	~~45~~ 850	
Elevation:	1948.76	ft MSL
Depth:	3.45	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.3427	
Flow Regime:	Subcritical	
Flow Area:	157.92	sq ft
Average Velocity:	3.62	ft/s
Maximum Velocity:	3.62	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.16	ft
Wetted Perimeter:	73.10	ft
Wetted Top Width:	72.65	ft
Critical Slope:	0.1514	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~45~~ 850

Entellus™

File: T4N-R8W-S31N.dwg; Date: 7/12/02



Normal Depth Results

Cross-Section:	~~50~~ 8600	
Elevation:	1956.50	ft MSL
Depth:	3.36	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0179	ft/ft
Froude Number:	0.3572	
Flow Regime:	Subcritical	
Flow Area:	153.54	sq ft
Average Velocity:	3.72	ft/s
Maximum Velocity:	4.07	ft/s
Composite n:	0.0769	
Hydraulic Radius:	1.71	ft
Wetted Perimeter:	89.61	ft
Wetted Top Width:	89.32	ft
Critical Slope:	0.1404	ft/ft

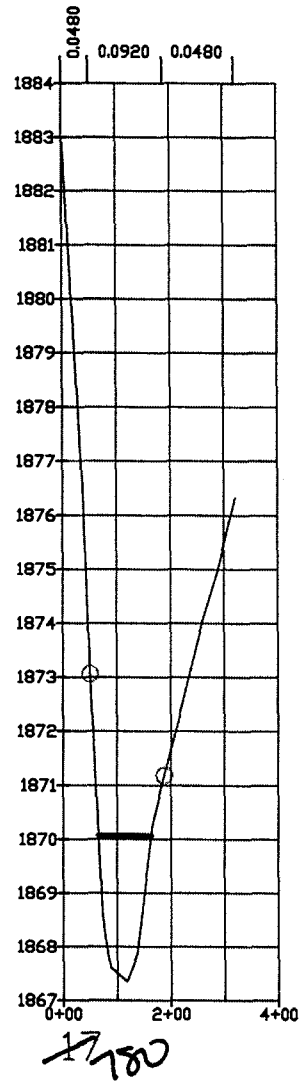
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31N–~~50~~ 8600

Entellus™

File: T4N-R8W-S31N.dwg Date: 7/12/02

T4N-R8W-S31S



Normal Depth Results

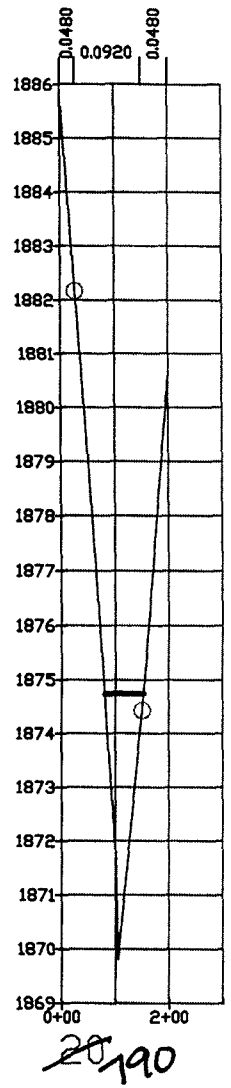
Cross-Section:	~~17~~ 780	
Elevation:	1870.07	ft MSL
Depth:	2.72	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0167	ft/ft
Froude Number:	0.3464	
Flow Regime:	Subcritical	
Flow Area:	191.14	sq ft
Average Velocity:	3.26	ft/s
Maximum Velocity:	3.26	ft/s
Composite n:	0.092	
Hydraulic Radius:	1.95	ft
Wetted Perimeter:	98.19	ft
Wetted Top Width:	97.91	ft
Critical Slope:	0.1374	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31S–~~17~~ 780

Entellus™

File: T4N-R8W-S31S.dwg; Date: 7/12/02



Normal Depth Results 790

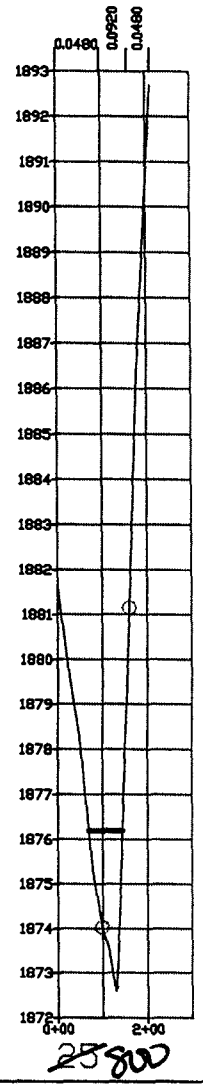
Cross-Section:	~~20~~	
Elevation:	1874.74	ft MSL
Depth:	4.93	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0167	ft/ft
Froude Number:	0.2944	
Flow Regime:	Subcritical	
Flow Area:	167.22	sq ft
Average Velocity:	3.69	ft/s
Maximum Velocity:	3.70	ft/s
Composite n:	0.0907	
Hydraulic Radius:	2.27	ft
Wetted Perimeter:	73.57	ft
Wetted Top Width:	72.71	ft
Critical Slope:	0.1966	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31S–~~20~~ 790

Entellus™

File: T4N-R8W-S31S.dwg Date: 7/12/02



Normal Depth Results

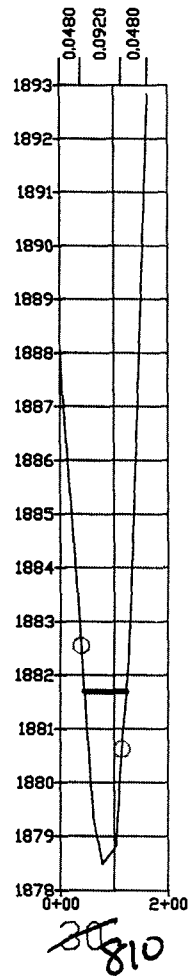
Cross-Section:	~~28~~ 800	
Elevation:	1876.19	ft MSL
Depth:	3.59	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0167	ft/ft
Froude Number:	0.3774	
Flow Regime:	Subcritical	
Flow Area:	152.74	sq ft
Average Velocity:	4.04	ft/s
Maximum Velocity:	4.55	ft/s
Composite n:	0.0763	
Hydraulic Radius:	2.01	ft
Wetted Perimeter:	75.93	ft
Wetted Top Width:	75.32	ft
Critical Slope:	0.1194	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31S–~~25~~ 800

Entellus™

File: T4N-R8W-S31S.dwg Date: 7/12/02



Normal Depth Results

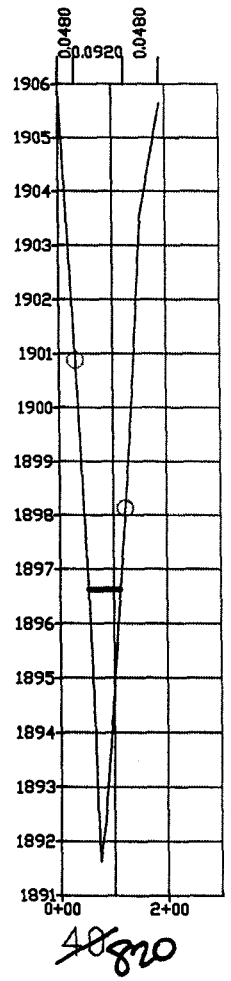
Cross-Section:	~~30~~ 810	
Elevation:	1881.70	ft MSL
Depth:	3.21	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0167	ft/ft
Froude Number:	0.3621	
Flow Regime:	Subcritical	
Flow Area:	168.48	sq ft
Average Velocity:	3.67	ft/s
Maximum Velocity:	3.70	ft/s
Composite n:	0.0874	
Hydraulic Radius:	2.14	ft
Wetted Perimeter:	78.67	ft
Wetted Top Width:	78.26	ft
Critical Slope:	0.1289	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31S–~~30~~ 810

Entellus™

File: T4N-R8W-S31S.dwg; Date: 7/12/02



Normal Depth Results

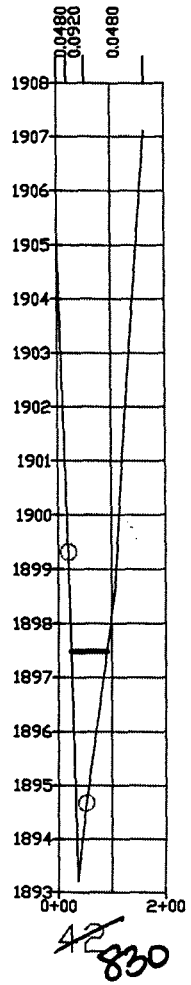
Cross-Section:	~~40~~ 820	
Elevation:	1896.63	ft MSL
Depth:	4.99	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0167	ft/ft
Froude Number:	0.3112	
Flow Regime:	Subcritical	
Flow Area:	157.25	sq ft
Average Velocity:	3.96	ft/s
Maximum Velocity:	3.96	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.6	ft
Wetted Perimeter:	60.51	ft
Wetted Top Width:	59.57	ft
Critical Slope:	0.1712	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31S–~~40~~ 820

Entellus™

File: T4N-R8W-S31S.dwg; Date: 7/12/02



Normal Depth Results

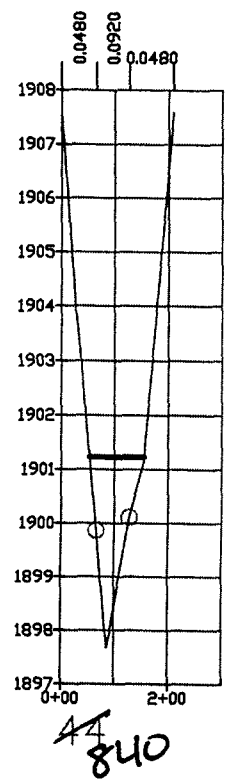
Cross-Section:	~~42~~ 830	
Elevation:	1897.49	ft MSL
Depth:	4.27	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0167	ft/ft
Froude Number:	0.3866	
Flow Regime:	Subcritical	
Flow Area:	136.88	sq ft
Average Velocity:	4.53	ft/s
Maximum Velocity:	5.02	ft/s
Composite n:	0.0685	
Hydraulic Radius:	2.02	ft
Wetted Perimeter:	67.91	ft
Wetted Top Width:	67.01	ft
Critical Slope:	0.1139	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31S–~~42~~ 830

Entellus™

File: T4N-R8W-S31S.dwg; Date: 7/12/02



Normal Depth Results

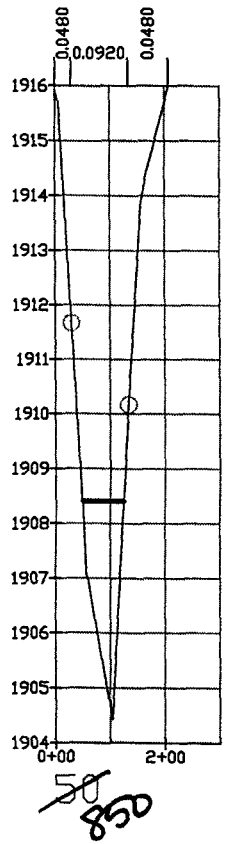
Cross-Section:	~~44~~ 840	
Elevation:	1901.23	ft MSL
Depth:	3.55	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0167	ft/ft
Froude Number:	0.3375	
Flow Regime:	Subcritical	
Flow Area:	171.79	sq ft
Average Velocity:	3.61	ft/s
Maximum Velocity:	3.73	ft/s
Composite n:	0.0761	
Hydraulic Radius:	1.68	ft
Wetted Perimeter:	102.13	ft
Wetted Top Width:	101.84	ft
Critical Slope:	0.1491	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31S–~~44~~840

Entellus™

File: T4N-R8W-S31S.dwg, Date: 7/12/02



Normal Depth Results

Cross-Section:	~~50~~ 850	
Elevation:	1908.41	ft MSL
Depth:	3.99	ft
Discharge:	620.00	cfs
Energy Gradient:	0.0167	ft/ft
Froude Number:	0.3166	
Flow Regime:	Subcritical	
Flow Area:	172.80	sq ft
Average Velocity:	3.59	ft/s
Maximum Velocity:	3.59	ft/s
Composite n:	0.092	
Hydraulic Radius:	2.25	ft
Wetted Perimeter:	76.79	ft
Wetted Top Width:	76.21	ft
Critical Slope:	0.1659	ft/ft

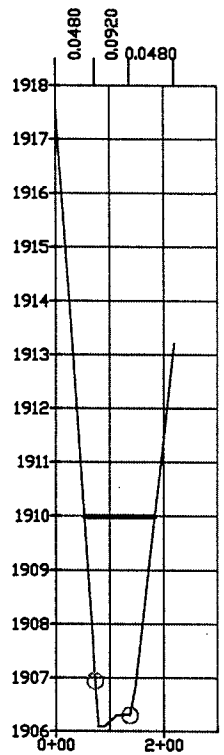
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31S–~~50~~850

Entellus™

File: T4N-R8W-S31S.dwg Date: 7/12/02

T4N-R8W-S31W



~~20~~ 765

Normal Depth Results

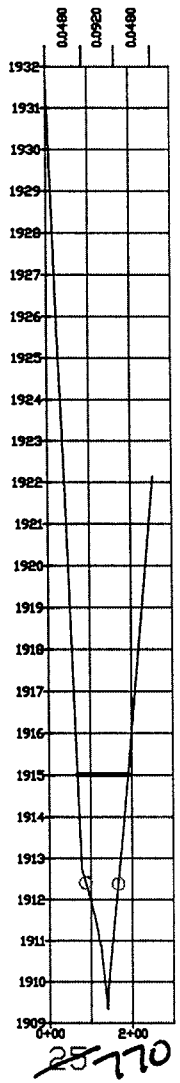
Cross-Section:	~~30~~ 765	
Elevation:	1909.99	ft MSL
Depth:	3.90	ft
Discharge:	2020.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.5003	
Flow Regime:	Subcritical	
Flow Area:	360.40	sq ft
Average Velocity:	5.59	ft/s
Maximum Velocity:	6.55	ft/s
Composite n:	0.0714	
Hydraulic Radius:	2.75	ft
Wetted Perimeter:	130.95	ft
Wetted Top Width:	130.49	ft
Critical Slope:	0.0748	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~20~~765

Entellus™

File: T4N-R8W-S31W.dwg, Date: 7/12/02



Normal Depth Results ~~25~~ 770

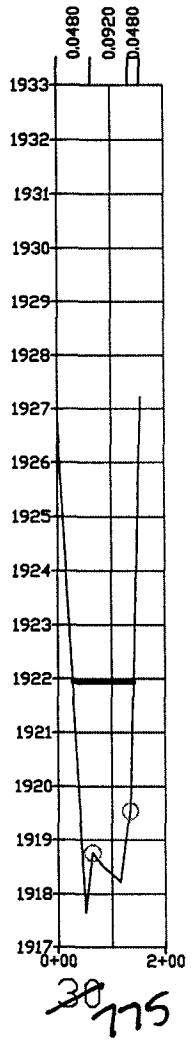
Cross-Section:		
Elevation:	1915.02	ft MSL
Depth:	5.67	ft
Discharge:	2020.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4002	
Flow Regime:	Subcritical	
Flow Area:	373.55	sq ft
Average Velocity:	5.41	ft/s
Maximum Velocity:	6.11	ft/s
Composite n:	0.0778	
Hydraulic Radius:	3.02	ft
Wetted Perimeter:	123.70	ft
Wetted Top Width:	122.98	ft
Critical Slope:	0.1141	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~25~~ 770

Entellus™

File: T4N-R8W-S31W.dwg Date: 7/12/02



Normal Depth Results

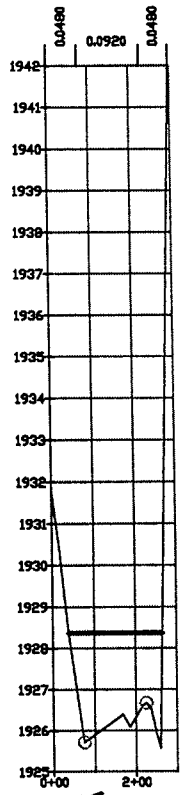
Cross-Section:	~~30~~ 775	
Elevation:	1921.94	ft MSL
Depth:	4.29	ft
Discharge:	2020.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4971	
Flow Regime:	Subcritical	
Flow Area:	345.81	sq ft
Average Velocity:	5.84	ft/s
Maximum Velocity:	8.11	ft/s
Composite n:	0.0762	
Hydraulic Radius:	3	ft
Wetted Perimeter:	115.16	ft
Wetted Top Width:	114.27	ft
Critical Slope:	0.0834	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~30~~ 775

Entellus™

File: T4N-R8W-S31W.dwg, Date: 7/12/02



~~40~~ 780

Normal Depth Results

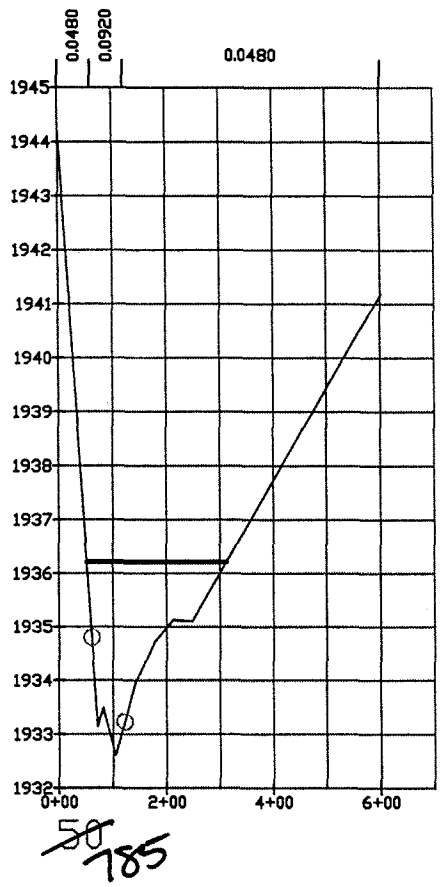
Cross-Section:	~~40~~ 780	
Elevation:	1928.37	ft MSL
Depth:	2.80	ft
Discharge:	2020.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4611	
Flow Regime:	Subcritical	
Flow Area:	461.51	sq ft
Average Velocity:	4.36	ft/s
Maximum Velocity:	6.63	ft/s
Composite n:	0.0785	
Hydraulic Radius:	2.02	ft
Wetted Perimeter:	227.95	ft
Wetted Top Width:	227.24	ft
Critical Slope:	0.0977	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~40~~ 780

Entellus™

File: T4N-R8W-S31W.dwg Date: 7/12/02



Normal Depth Results

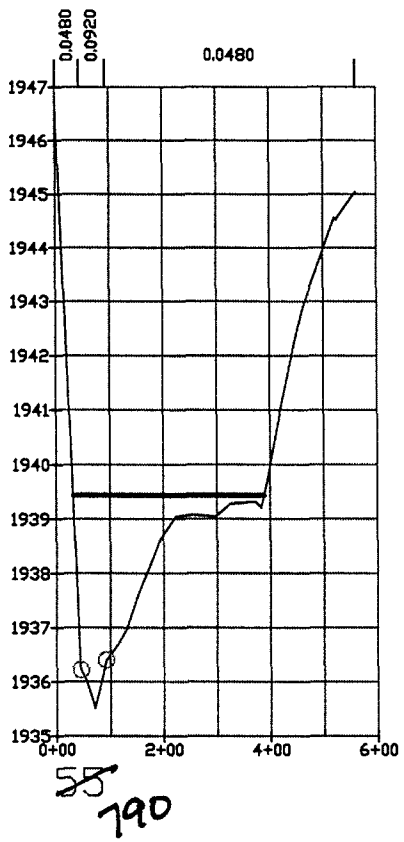
Cross-Section:	~~50~~ 785	
Elevation:	1936.22	ft MSL
Depth:	3.61	ft
Discharge:	2020.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4357	
Flow Regime:	Subcritical	
Flow Area:	430.37	sq ft
Average Velocity:	4.71	ft/s
Maximum Velocity:	4.88	ft/s
Composite n:	0.0597	
Hydraulic Radius:	1.65	ft
Wetted Perimeter:	261.51	ft
Wetted Top Width:	261.20	ft
Critical Slope:	0.0959	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~50~~ 785

Entellus™

File: T4N-R8W-S31W.dwg, Date: 7/12/02



Normal Depth Results

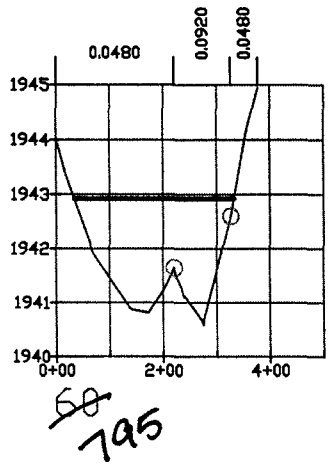
Cross-Section:	~~85~~ 790	
Elevation:	1939.44	ft MSL
Depth:	3.92	ft
Discharge:	2020.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.3912	
Flow Regime:	Subcritical	
Flow Area:	459.80	sq ft
Average Velocity:	4.42	ft/s
Maximum Velocity:	5.65	ft/s
Composite n:	0.0548	
Hydraulic Radius:	1.29	ft
Wetted Perimeter:	357.79	ft
Wetted Top Width:	357.35	ft
Critical Slope:	0.1224	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~55~~ 790

Entellus™

File: T4N-R8W-S31W.dwg; Date: 7/12/02



Normal Depth Results

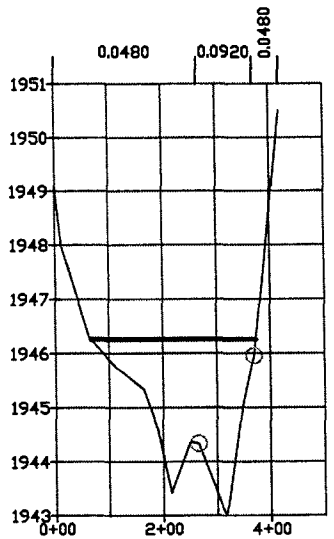
Cross-Section:	~~60~~ 795	
Elevation:	1942.93	ft MSL
Depth:	2.34	ft
Discharge:	2020.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.5208	
Flow Regime:	Subcritical	
Flow Area:	447.44	sq ft
Average Velocity:	4.50	ft/s
Maximum Velocity:	5.44	ft/s
Composite n:	0.0652	
Hydraulic Radius:	1.49	ft
Wetted Perimeter:	299.37	ft
Wetted Top Width:	299.28	ft
Critical Slope:	0.0841	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~60~~ 795

Entellus™

File: T4N-R8W-S31W.dwg, Date: 7/12/02



~~62~~ 800

Normal Depth Results

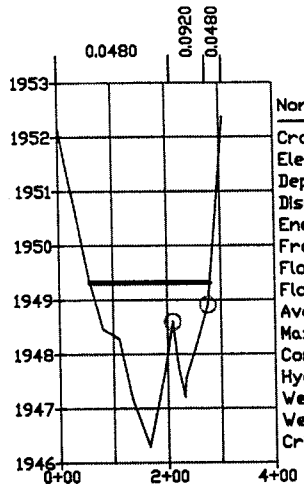
Cross-Section:	~~62~~ 800	
Elevation:	1946.26	ft MSL
Depth:	3.23	ft
Discharge:	2020.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4186	
Flow Regime:	Subcritical	
Flow Area:	473.33	sq ft
Average Velocity:	4.29	ft/s
Maximum Velocity:	4.90	ft/s
Composite n:	0.0645	
Hydraulic Radius:	1.54	ft
Wetted Perimeter:	306.95	ft
Wetted Top Width:	306.78	ft
Critical Slope:	0.1094	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~62~~ 800

Entellus™

File: T4N-R8W-S31W.dwg, Date: 7/12/02



~~65~~ 805

Normal Depth Results

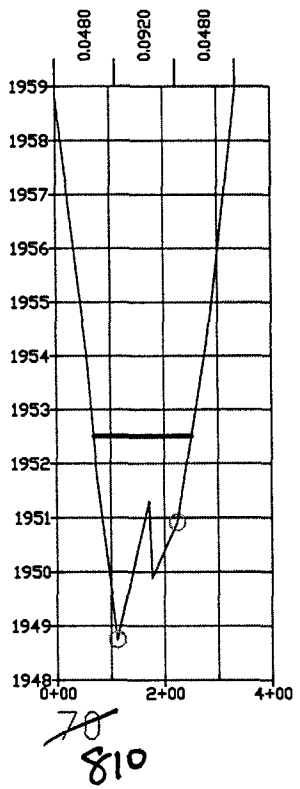
Cross-Section:	~~65~~ 805	
Elevation:	1949.32	ft MSL
Depth:	3.02	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4997	
Flow Regime:	Subcritical	
Flow Area:	326.70	sq ft
Average Velocity:	4.89	ft/s
Maximum Velocity:	5.70	ft/s
Composite n:	0.0625	
Hydraulic Radius:	1.47	ft
Wetted Perimeter:	222.26	ft
Wetted Top Width:	222.03	ft
Critical Slope:	0.1026	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~65~~ 805

Entellus™

File: T4N-R8W-S31W.dwg, Date: 7/12/02



Normal Depth Results

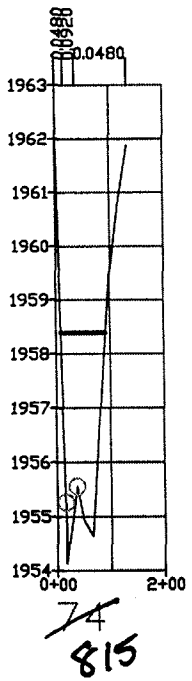
Cross-Section:	~~70~~ 810	
Elevation:	1952.51	ft MSL
Depth:	3.76	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4032	
Flow Regime:	Subcritical	
Flow Area:	363.16	sq ft
Average Velocity:	4.44	ft/s
Maximum Velocity:	6.59	ft/s
Composite n:	0.0765	
Hydraulic Radius:	1.99	ft
Wetted Perimeter:	182.58	ft
Wetted Top Width:	182.10	ft
Critical Slope:	0.1276	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~70~~ 810

Entellus™

File: T4N-R8W-S31W.dwg; Date: 7/12/02



Normal Depth Results

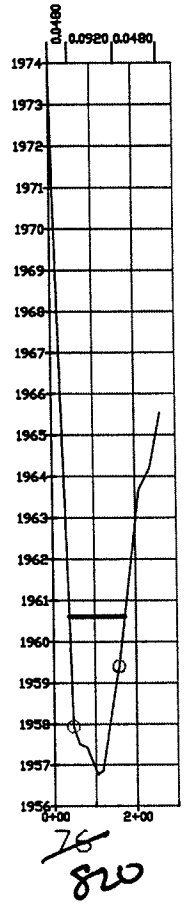
Cross-Section:	~~74~~ 815	
Elevation:	1958.39	ft MSL
Depth:	4.25	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.5928	
Flow Regime:	Subcritical	
Flow Area:	232.20	sq ft
Average Velocity:	6.92	ft/s
Maximum Velocity:	8.03	ft/s
Composite n:	0.0608	
Hydraulic Radius:	2.76	ft
Wetted Perimeter:	84.17	ft
Wetted Top Width:	82.83	ft
Critical Slope:	0.0589	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~74~~ 815

Entellus™

File: T4N-R8W-S31W.dwg, Date: 7/12/02



Normal Depth Results

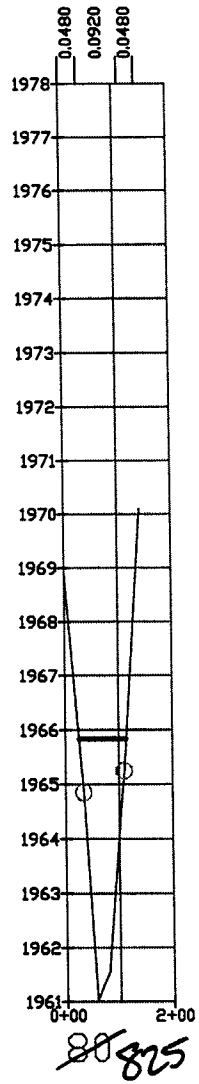
Cross-Section:	~~76~~ 820	
Elevation:	1960.61	ft MSL
Depth:	3.83	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4069	
Flow Regime:	Subcritical	
Flow Area:	356.34	sq ft
Average Velocity:	4.53	ft/s
Maximum Velocity:	4.90	ft/s
Composite n:	0.0853	
Hydraulic Radius:	2.64	ft
Wetted Perimeter:	134.88	ft
Wetted Top Width:	134.30	ft
Critical Slope:	0.1106	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~76~~820

Entellus™

File: T4N-R8W-S31W.dwg Date: 7/12/02



Normal Depth Results

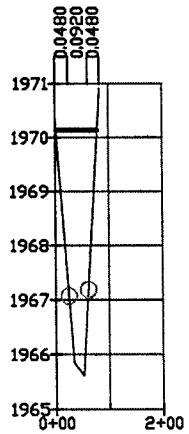
Cross-Section:	~~80~~ 825	
Elevation:	1965.84	ft MSL
Depth:	4.81	ft
Discharge:	1150.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.3742	
Flow Regime:	Subcritical	
Flow Area:	247.05	sq ft
Average Velocity:	4.65	ft/s
Maximum Velocity:	4.69	ft/s
Composite n:	0.0866	
Hydraulic Radius:	2.77	ft
Wetted Perimeter:	89.03	ft
Wetted Top Width:	88.39	ft
Critical Slope:	0.1342	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~80~~ 825

Entellus™

File: T4N-R8W-S31W.dwg; Date: 7/12/02



~~82~~ 830

Normal Depth Results

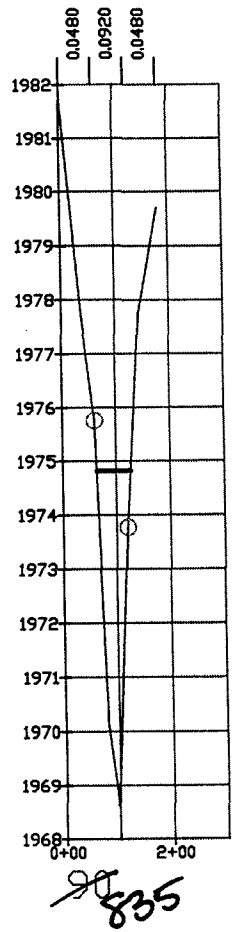
Cross-Section:	~~82~~ 830	
Elevation:	1970.14	ft MSL
Depth:	4.52	ft
Discharge:	1150.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4565	
Flow Regime:	Subcritical	
Flow Area:	208.93	sq ft
Average Velocity:	5.52	ft/s
Maximum Velocity:	5.58	ft/s
Composite n:	0.0705	
Hydraulic Radius:	2.69	ft
Wetted Perimeter:	77.56	ft
Wetted Top Width:	76.90	ft
Critical Slope:	0.0869	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~82~~ 830

Entellus™

File: T4N-R8W-S31W.dwg, Date: 7/12/02



Normal Depth Results

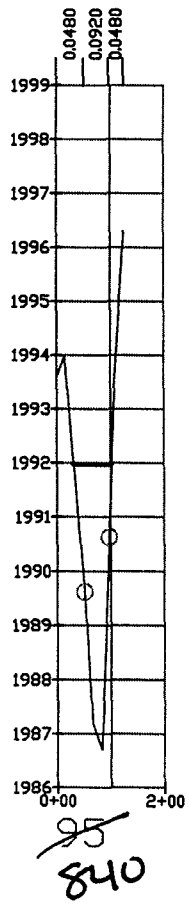
Cross-Section:	~~90~~ 835	
Elevation:	1974.82	ft MSL
Depth:	6.19	ft
Discharge:	1150.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.3694	
Flow Regime:	Subcritical	
Flow Area:	220.52	sq ft
Average Velocity:	5.22	ft/s
Maximum Velocity:	5.26	ft/s
Composite n:	0.0881	
Hydraulic Radius:	3.42	ft
Wetted Perimeter:	64.53	ft
Wetted Top Width:	63.13	ft
Critical Slope:	0.1355	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~90~~ 835

Entellus™

File: T4N-R8W-S31W.dwg, Date: 7/12/02



Normal Depth Results

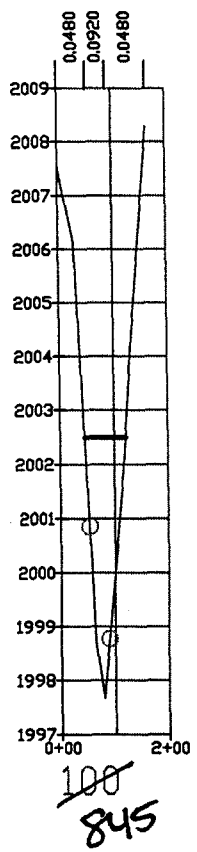
Cross-Section:	~~95~~ 840	
Elevation:	1991.98	ft MSL
Depth:	5.27	ft
Discharge:	1150.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4128	
Flow Regime:	Subcritical	
Flow Area:	213.99	sq ft
Average Velocity:	5.36	ft/s
Maximum Velocity:	5.49	ft/s
Composite n:	0.0783	
Hydraulic Radius:	2.98	ft
Wetted Perimeter:	71.84	ft
Wetted Top Width:	70.77	ft
Critical Slope:	0.1093	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~95~~ 840

Entellus™

File: T4N-k8W-S31W.dwg Date: 7/12/02



Normal Depth Results

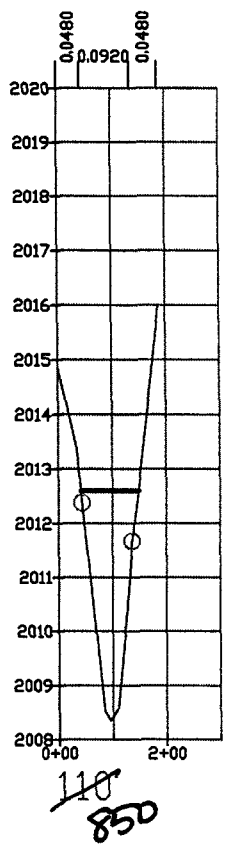
Cross-Section:	~~100~~ 845	
Elevation:	2002.50	ft MSL
Depth:	4.82	ft
Discharge:	1150.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4488	
Flow Regime:	Subcritical	
Flow Area:	205.72	sq ft
Average Velocity:	5.58	ft/s
Maximum Velocity:	6.43	ft/s
Composite n:	0.0706	
Hydraulic Radius:	2.68	ft
Wetted Perimeter:	76.80	ft
Wetted Top Width:	76.11	ft
Critical Slope:	0.0937	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~100~~ 845

Entellus™

File: T4N-R8W-S31W.dwg Date: 7/12/02



Normal Depth Results

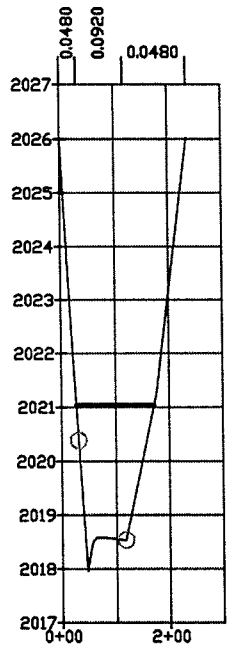
Cross-Section:	~~110~~ 850	
Elevation:	2012.60	ft MSL
Depth:	4.24	ft
Discharge:	1150.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.3678	
Flow Regime:	Subcritical	
Flow Area:	267.58	sq ft
Average Velocity:	4.29	ft/s
Maximum Velocity:	4.33	ft/s
Composite n:	0.0868	
Hydraulic Radius:	2.48	ft
Wetted Perimeter:	108.07	ft
Wetted Top Width:	107.66	ft
Critical Slope:	0.1384	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~110~~ 850

Entellus™

File: T4N-R8W-S31W.dwg; Date: 7/12/02



~~120~~ 855

Normal Depth Results

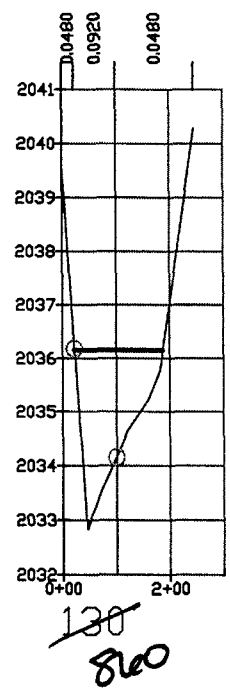
Cross-Section:	~~120~~ 855	
Elevation:	2021.04	ft MSL
Depth:	3.08	ft
Discharge:	1150.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.4178	
Flow Regime:	Subcritical	
Flow Area:	276.44	sq ft
Average Velocity:	4.13	ft/s
Maximum Velocity:	4.86	ft/s
Composite n:	0.076	
Hydraulic Radius:	1.91	ft
Wetted Perimeter:	144.63	ft
Wetted Top Width:	144.32	ft
Critical Slope:	0.1087	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~120~~ 855

Entellus™

File: T4N-R8W-S31W.dwg; Date: 7/12/02



Normal Depth Results

Cross-Section:	~~130~~ 860	
Elevation:	2036.15	ft MSL
Depth:	3.32	ft
Discharge:	1150.00	cfs
Energy Gradient:	0.0182	ft/ft
Froude Number:	0.3968	
Flow Regime:	Subcritical	
Flow Area:	280.29	sq ft
Average Velocity:	4.10	ft/s
Maximum Velocity:	4.58	ft/s
Composite n:	0.0704	
Hydraulic Radius:	1.7	ft
Wetted Perimeter:	164.77	ft
Wetted Top Width:	164.49	ft
Critical Slope:	0.1178	ft/ft

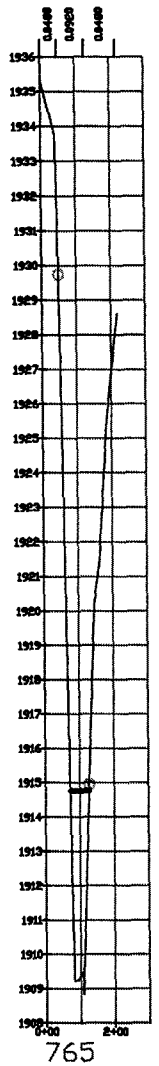
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S31W–~~130~~ 860

Entellus™

File: T4N-R8W-S31W.dwg; Date: 7/12/02

T4N-R8W-S33



Normal Depth Results

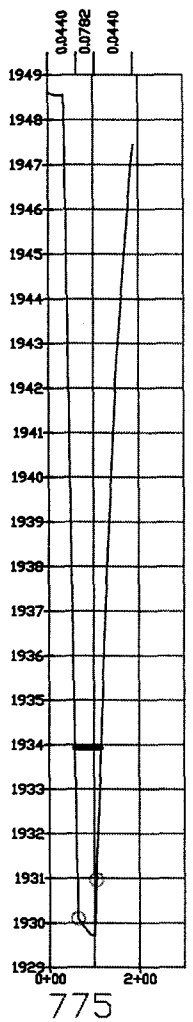
Cross-Section:	765	
Elevation:	1914.70	ft MSL
Depth:	5.91	ft
Discharge:	1370.00	cfs
Energy Gradient:	0.0218	ft/ft
Froude Number:	0.4336	
Flow Regime:	Subcritical	
Flow Area:	229.04	sq ft
Average Velocity:	5.96	ft/s
Maximum Velocity:	5.96	ft/s
Composite n:	0.092	
Hydraulic Radius:	3.94	ft
Wetted Perimeter:	58.15	ft
Wetted Top Width:	55.70	ft
Critical Slope:	0.1166	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–765

Entellus™

File: T4N-R8W-S33.dwg; Date: 5/16/02



Normal Depth Results

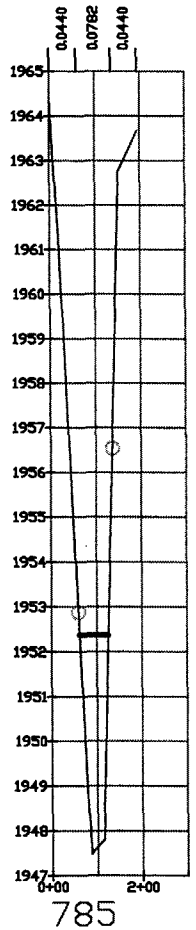
Cross-Section:	755	
Elevation:	1933.93	ft MSL
Depth:	4.21	ft
Discharge:	1370.00	cfs
Energy Gradient:	0.0218	ft/ft
Froude Number:	0.6048	
Flow Regime:	Subcritical	
Flow Area:	194.58	sq ft
Average Velocity:	7.04	ft/s
Maximum Velocity:	7.10	ft/s
Composite n:	0.0684	
Hydraulic Radius:	3.23	ft
Wetted Perimeter:	60.20	ft
Wetted Top Width:	58.48	ft
Critical Slope:	0.0597	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–775

Entellus™

File: T4N-R8W-S33.dwg, Date: 5/16/02



Normal Depth Results

Cross-Section:	785	
Elevation:	1952.37	ft MSL
Depth:	4.89	ft
Discharge:	1370.00	cfs
Energy Gradient:	0.0218	ft/ft
Froude Number:	0.5019	
Flow Regime:	Subcritical	
Flow Area:	217.53	sq ft
Average Velocity:	6.30	ft/s
Maximum Velocity:	6.30	ft/s
Composite n:	0.0782	
Hydraulic Radius:	3.35	ft
Wetted Perimeter:	64.90	ft
Wetted Top Width:	63.55	ft
Critical Slope:	0.0864	ft/ft

File: T4N-R8W-S33.dwg; Date: 5/16/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–785

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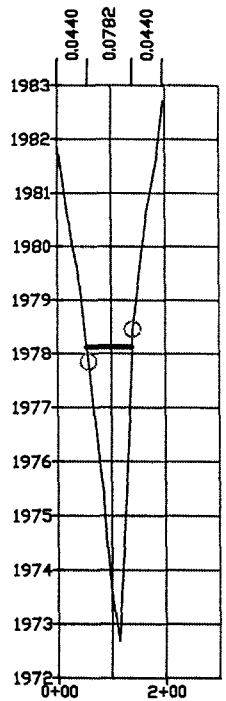

~~40~~ 795

Normal Depth Results

Cross-Section:	~~40~~ 795	
Elevation:	1978.12	ft MSL
Depth:	5.43	ft
Discharge:	1370.00	cfs
Energy Gradient:	0.0218	ft/ft
Froude Number:	0.4332	
Flow Regime:	Subcritical	
Flow Area:	239.15	sq ft
Average Velocity:	5.71	ft/s
Maximum Velocity:	5.71	ft/s
Composite n:	0.0771	
Hydraulic Radius:	2.8	ft
Wetted Perimeter:	85.56	ft
Wetted Top Width:	84.70	ft
Critical Slope:	0.1189	ft/ft

File: T4N-R8W-S33.dwg; Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–~~40~~ 795

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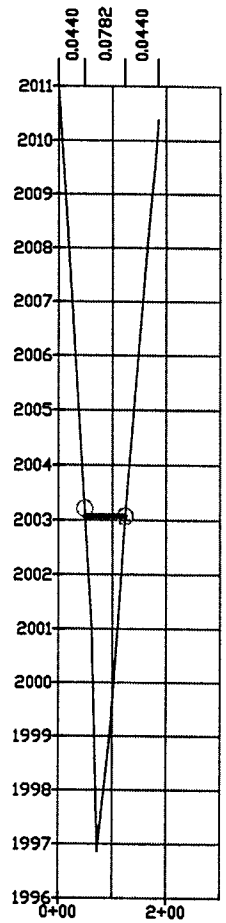


~~50~~ 805

Normal Depth Results

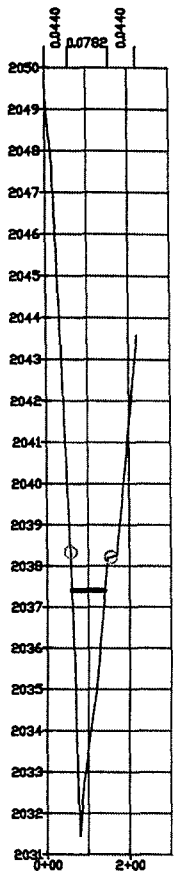
Cross-Section:	~~50~~ 805	
Elevation:	2003.08	ft MSL
Depth:	6.21	ft
Discharge:	1370.00	cfs
Energy Gradient:	0.0218	ft/ft
Froude Number:	0.4195	
Flow Regime:	Subcritical	
Flow Area:	231.07	sq ft
Average Velocity:	5.92	ft/s
Maximum Velocity:	5.92	ft/s
Composite n:	0.0781	
Hydraulic Radius:	3.05	ft
Wetted Perimeter:	75.79	ft
Wetted Top Width:	74.41	ft
Critical Slope:	0.1243	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–~~50~~ 805

Entellus™

File: T4N-R8W-S33.dwg; Date: 7/12/02



~~55~~
815

Normal Depth Results

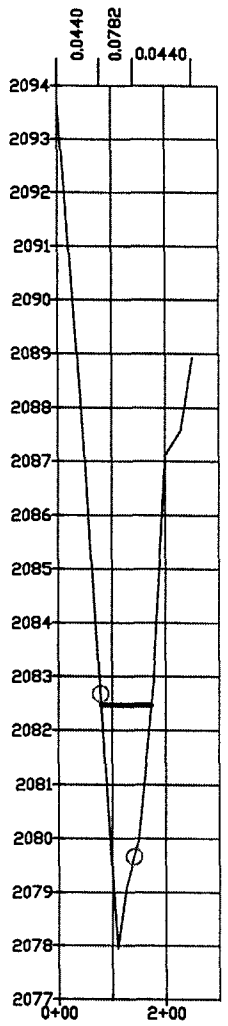
Cross-Section:	~~85~~ 815	
Elevation:	2037.41	ft MSL
Depth:	5.95	ft
Discharge:	1370.00	cfs
Energy Gradient:	0.0218	ft/ft
Froude Number:	0.4164	
Flow Regime:	Subcritical	
Flow Area:	237.68	sq ft
Average Velocity:	5.78	ft/s
Maximum Velocity:	5.78	ft/s
Composite n:	0.0782	
Hydraulic Radius:	2.94	ft
Wetted Perimeter:	80.79	ft
Wetted Top Width:	79.59	ft
Critical Slope:	0.1251	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–~~55~~ 815

Entellus™

File: T4N-R8W-S33.dwg Date: 7/12/02



~~60~~ 825

Normal Depth Results

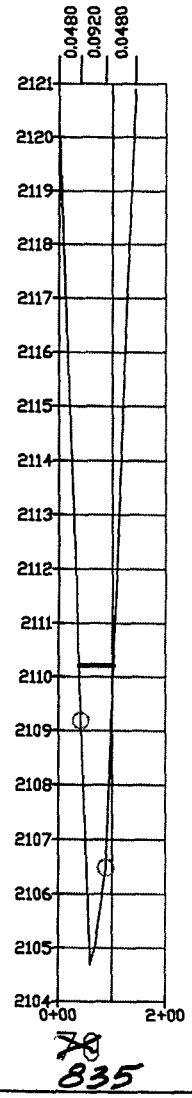
Cross-Section:	~~60~~ 825	
Elevation:	2082.47	ft MSL
Depth:	4.52	ft
Discharge:	1370.00	cfs
Energy Gradient:	0.0218	ft/ft
Froude Number:	0.4945	
Flow Regime:	Subcritical	
Flow Area:	229.68	sq ft
Average Velocity:	5.95	ft/s
Maximum Velocity:	6.81	ft/s
Composite n:	0.0675	
Hydraulic Radius:	2.44	ft
Wetted Perimeter:	94.01	ft
Wetted Top Width:	93.49	ft
Critical Slope:	0.0907	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–~~80~~ 825

Entellus™

File: T4N-R8W-S33.dwg; Date: 7/12/02



Normal Depth Results

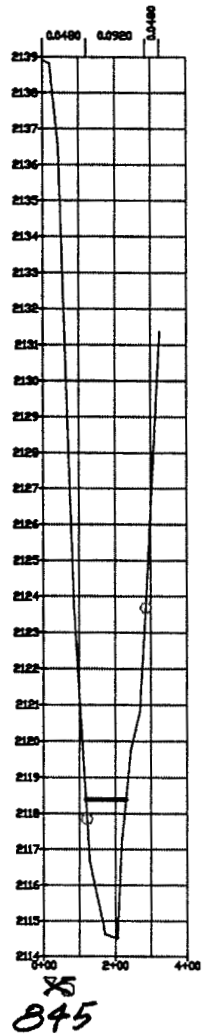
Cross-Section:	~~70~~ 835	
Elevation:	2110.22	ft MSL
Depth:	5.52	ft
Discharge:	1370.00	cfs
Energy Gradient:	0.0218	ft/ft
Froude Number:	0.4624	
Flow Regime:	Subcritical	
Flow Area:	222.42	sq ft
Average Velocity:	6.18	ft/s
Maximum Velocity:	6.78	ft/s
Composite n:	0.081	
Hydraulic Radius:	3.39	ft
Wetted Perimeter:	65.55	ft
Wetted Top Width:	64.31	ft
Critical Slope:	0.103	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–~~70~~ 835

Entellus™

File: T4N-R8W-S33.dwg Date: 7/12/02



Normal Depth Results

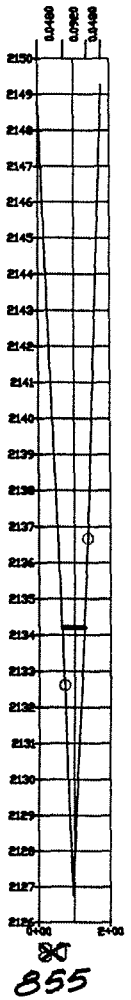
Cross-Section:	~~#3~~ 845	
Elevation:	2118.39	ft MSL
Depth:	3.89	ft
Discharge:	1370.00	cfs
Energy Gradient:	0.0218	ft/ft
Froude Number:	0.4145	
Flow Regime:	Subcritical	
Flow Area:	295.42	sq ft
Average Velocity:	4.62	ft/s
Maximum Velocity:	4.63	ft/s
Composite n:	0.0908	
Hydraulic Radius:	2.62	ft
Wetted Perimeter:	112.60	ft
Wetted Top Width:	112.05	ft
Critical Slope:	0.1286	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–~~75~~ 845

Entellus™

File: T4N-R8W-S33.dwg Date: 7/12/02



Normal Depth Results

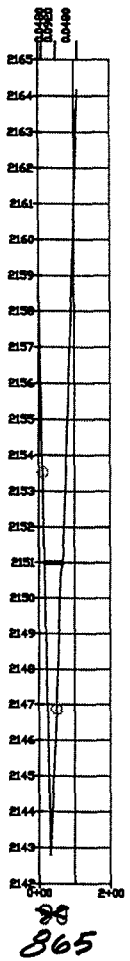
Cross-Section:	~~48~~ 855	
Elevation:	2134.21	ft MSL
Depth:	7.46	ft
Discharge:	1370.00	cfs
Energy Gradient:	0.0218	ft/ft
Froude Number:	0.3831	
Flow Regime:	Subcritical	
Flow Area:	230.87	sq ft
Average Velocity:	5.94	ft/s
Maximum Velocity:	6.00	ft/s
Composite n:	0.0875	
Hydraulic Radius:	3.61	ft
Wetted Perimeter:	64.02	ft
Wetted Top Width:	62.26	ft
Critical Slope:	0.1498	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–~~80~~855

Entellus™

File: T4N-R8W-S33.dwg Date: 7/12/02



Normal Depth Results

Cross-Section	~~86~~ 865	
Elevation	2151.00	ft MSL
Depth	8.20	ft
Discharge	1370.00	cfs
Energy Gradient	0.0218	ft/ft
Froude Number	0.4154	
Flow Regime	Subcritical	
Flow Area	203.00	sq ft
Average Velocity	6.75	ft/s
Maximum Velocity	6.84	ft/s
Composite n	0.0798	
Hydraulic Radius	3.82	ft
Wetted Perimeter	53.13	ft
Wetted Top Width	50.14	ft
Critical Slope	0.1268	ft/ft

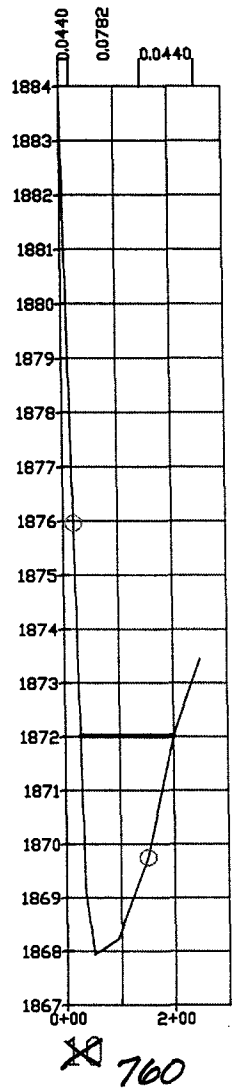
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S33–~~86~~ 865

Entellus™

File: T4N-R8W-S33.dwg Date: 7/12/02

T4N-R8W-S35E



Normal Depth Results

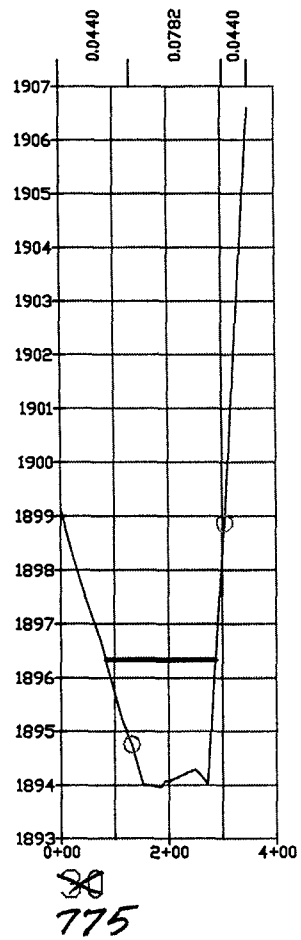
Cross-Section:	~~10~~ 760	
Elevation:	1872.02	ft MSL
Depth:	4.08	ft
Discharge:	2790.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.5284	
Flow Regime:	Subcritical	
Flow Area:	461.05	sq ft
Average Velocity:	6.05	ft/s
Maximum Velocity:	6.15	ft/s
Composite n:	0.0692	
Hydraulic Radius:	2.68	ft
Wetted Perimeter:	172.26	ft
Wetted Top Width:	171.56	ft
Critical Slope:	0.0762	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~10~~ 760

Entellus™

File: T4N-R8W-S35E.dwg, Date: 7/12/02



Normal Depth Results

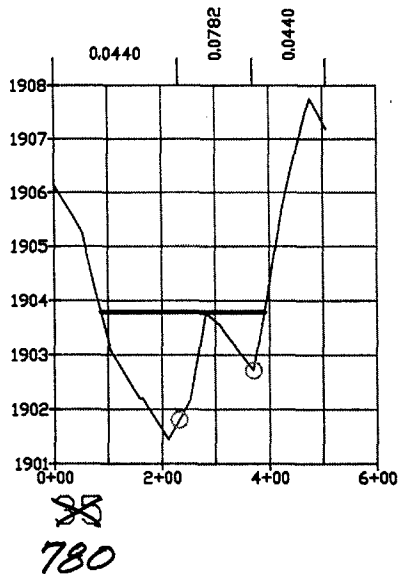
Cross-Section:	~~30~~ 775	
Elevation:	1896.34	ft MSL
Depth:	2.37	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.5142	
Flow Regime:	Subcritical	
Flow Area:	365.44	sq ft
Average Velocity:	4.52	ft/s
Maximum Velocity:	4.52	ft/s
Composite n:	0.0708	
Hydraulic Radius:	1.79	ft
Wetted Perimeter:	204.04	ft
Wetted Top Width:	203.82	ft
Critical Slope:	0.0791	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~30~~ 775

Entellus™

File: T4N-R8W-S35E.dwg; Date: 7/12/02



Normal Depth Results

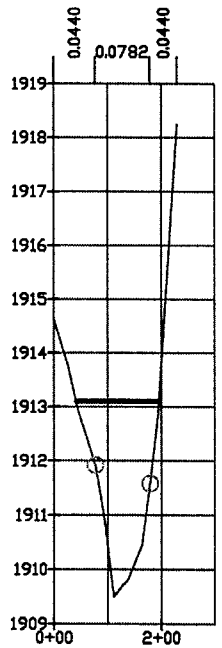
Cross-Section:	~~35~~ 780	
Elevation:	1903.79	ft MSL
Depth:	2.34	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.5697	
Flow Regime:	Subcritical	
Flow Area:	331.68	sq ft
Average Velocity:	4.98	ft/s
Maximum Velocity:	6.38	ft/s
Composite n:	0.0608	
Hydraulic Radius:	1.09	ft
Wetted Perimeter:	304.76	ft
Wetted Top Width:	304.65	ft
Critical Slope:	0.112	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~35~~ 780

Entellus™

File: T4N-R8W-S35E.dwg, Date: 7/12/02



~~48~~
785

Normal Depth Results

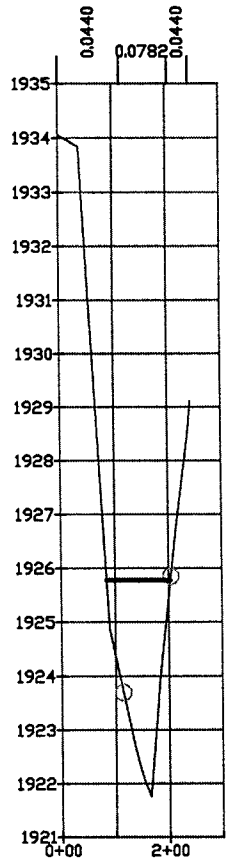
Cross-Section:	~~48~~ 785	
Elevation:	1913.10	ft MSL
Depth:	3.60	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.4853	
Flow Regime:	Subcritical	
Flow Area:	314.07	sq ft
Average Velocity:	5.23	ft/s
Maximum Velocity:	5.42	ft/s
Composite n:	0.0675	
Hydraulic Radius:	2.02	ft
Wetted Perimeter:	155.12	ft
Wetted Top Width:	154.89	ft
Critical Slope:	0.0929	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~48~~ 785

Entellus™

File: T4N-R8W-S35E.dwg, Date: 7/12/02



~~45~~.
790

Normal Depth Results

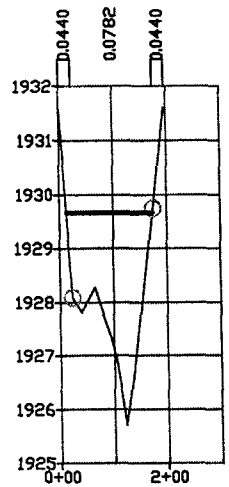
Cross-Section:	~~45~~ 790	
Elevation:	1925.78	ft MSL
Depth:	4.02	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.5276	
Flow Regime:	Subcritical	
Flow Area:	273.28	sq ft
Average Velocity:	5.99	ft/s
Maximum Velocity:	6.63	ft/s
Composite n:	0.0704	
Hydraulic Radius:	2.27	ft
Wetted Perimeter:	120.24	ft
Wetted Top Width:	119.88	ft
Critical Slope:	0.0966	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~45~~ 790

Entellus™

File: T4N-R8W-S35E.dwg; Date: 7/12/02



~~50~~ 795

Normal Depth Results

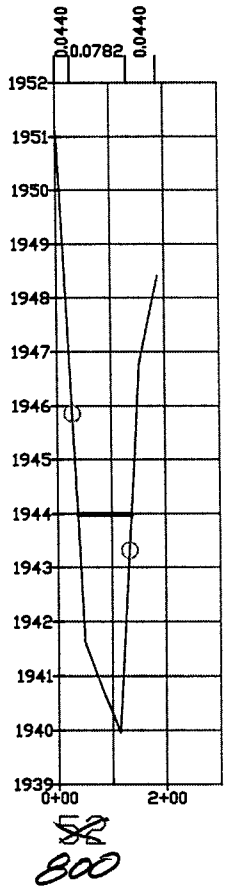
Cross-Section:	~~50~~ 795	
Elevation:	1929.67	ft MSL
Depth:	3.96	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.4492	
Flow Regime:	Subcritical	
Flow Area:	323.55	sq ft
Average Velocity:	5.08	ft/s
Maximum Velocity:	5.09	ft/s
Composite n:	0.0763	
Hydraulic Radius:	2.01	ft
Wetted Perimeter:	161.24	ft
Wetted Top Width:	160.89	ft
Critical Slope:	0.1319	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~50~~ 795

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



Normal Depth Results

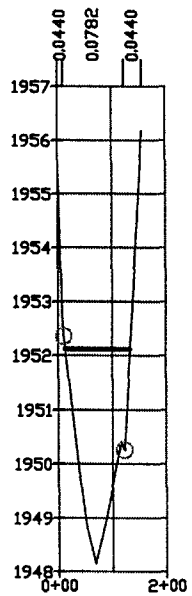
Cross-Section:	~~52~~ 800	
Elevation:	1943.99	ft MSL
Depth:	4.03	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.5368	
Flow Regime:	Subcritical	
Flow Area:	268.43	sq ft
Average Velocity:	6.13	ft/s
Maximum Velocity:	6.14	ft/s
Composite n:	0.0769	
Hydraulic Radius:	2.67	ft
Wetted Perimeter:	100.51	ft
Wetted Top Width:	99.90	ft
Critical Slope:	0.0932	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~52~~ 800

Entellus™

File: T4N-R8W-S35E.dwg; Date: 7/12/02



~~54~~ 805

Normal Depth Results

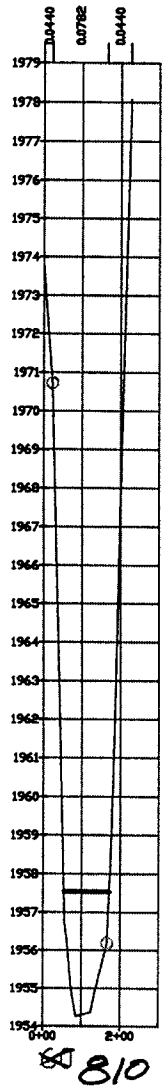
Cross-Section:	~~54~~ 805	
Elevation:	1952.12	ft MSL
Depth:	3.97	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.5065	
Flow Regime:	Subcritical	
Flow Area:	286.37	sq ft
Average Velocity:	5.73	ft/s
Maximum Velocity:	5.75	ft/s
Composite n:	0.0755	
Hydraulic Radius:	2.37	ft
Wetted Perimeter:	120.91	ft
Wetted Top Width:	120.53	ft
Critical Slope:	0.104	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~54~~805

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



Normal Depth Results

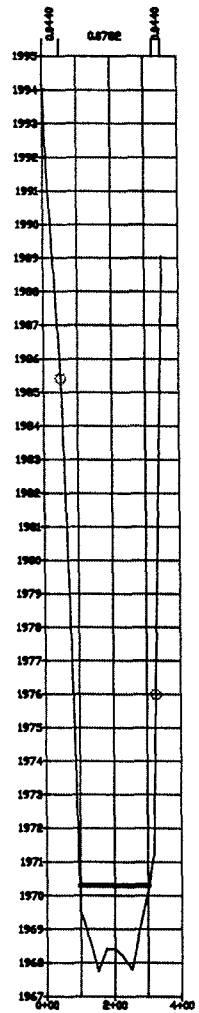
Cross-Section:	~~80~~ 810	
Elevation:	1957.54	ft MSL
Depth:	3.27	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.5586	
Flow Regime:	Subcritical	
Flow Area:	286.23	sq ft
Average Velocity:	5.72	ft/s
Maximum Velocity:	5.74	ft/s
Composite n:	0.0767	
Hydraulic Radius:	2.41	ft
Wetted Perimeter:	118.62	ft
Wetted Top Width:	118.17	ft
Critical Slope:	0.0861	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~80~~ 810

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



~~S4~~ 815

Normal Depth Results

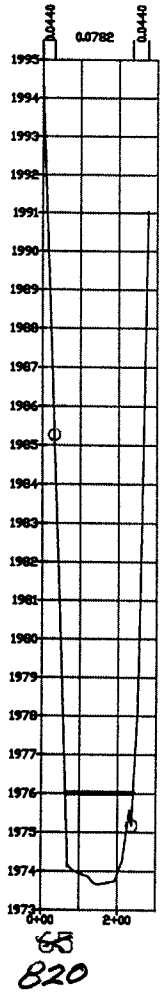
Cross-Section:	~~S4~~ 815	
Elevation:	1970.31	ft MSL
Depth:	2.56	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.5003	
Flow Regime:	Subcritical	
Flow Area:	360.97	sq ft
Average Velocity:	4.53	ft/s
Maximum Velocity:	4.53	ft/s
Composite n:	0.0782	
Hydraulic Radius:	1.75	ft
Wetted Perimeter:	205.74	ft
Wetted Top Width:	205.49	ft
Critical Slope:	0.1073	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~S4~~ 815

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



Normal Depth Results

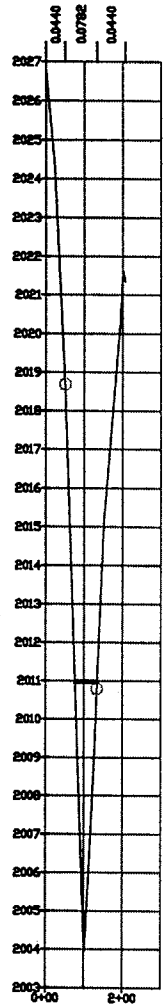
Cross-Section:	~~65~~ 820	
Elevation:	1976.02	ft MSL
Depth:	2.36	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0267	ft/ft
Froude Number:	0.5545	
Flow Regime:	Subcritical	
Flow Area:	339.68	sq ft
Average Velocity:	4.85	ft/s
Maximum Velocity:	4.85	ft/s
Composite n:	0.0774	
Hydraulic Radius:	1.91	ft
Wetted Perimeter:	177.75	ft
Wetted Top Width:	177.33	ft
Critical Slope:	0.0864	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~85~~820

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



~~70~~ 825

Normal Depth Results

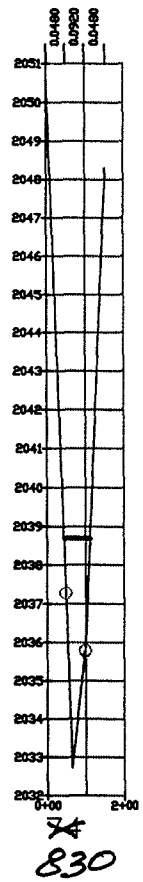
Cross-Section:	~~70~~ 825	
Elevation:	2010.99	ft MSL
Depth:	7.04	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0301	ft/ft
Froude Number:	0.5176	
Flow Regime:	Subcritical	
Flow Area:	210.55	sq ft
Average Velocity:	7.79	ft/s
Maximum Velocity:	7.79	ft/s
Composite n:	0.0778	
Hydraulic Radius:	3.57	ft
Wetted Perimeter:	58.96	ft
Wetted Top Width:	57.19	ft
Critical Slope:	0.0301	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~70~~ 825

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~74~~ 830	
Elevation:	2038.70	ft MSL
Depth:	5.97	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0301	ft/ft
Froude Number:	0.5144	
Flow Regime:	Subcritical	
Flow Area:	230.07	sq ft
Average Velocity:	7.11	ft/s
Maximum Velocity:	7.19	ft/s
Composite n:	0.0816	
Hydraulic Radius:	3.33	ft
Wetted Perimeter:	69.06	ft
Wetted Top Width:	67.73	ft
Critical Slope:	0.1157	ft/ft

File: T4N-R8W-S35E.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~74~~ 830

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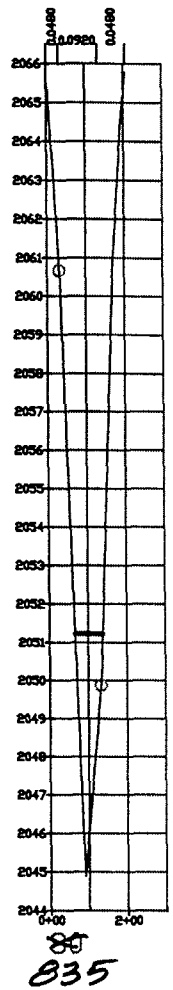


Normal Depth Results

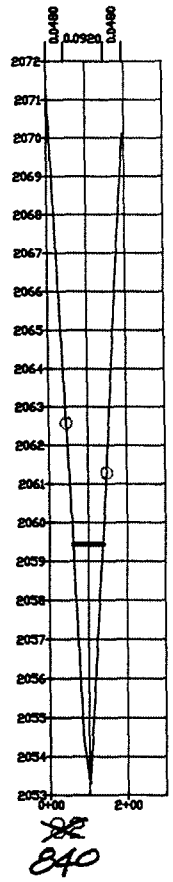
Cross-Section:	~~80~~ 835	
Elevation:	2051.23	ft MSL
Depth:	6.33	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0301	ft/ft
Froude Number:	0.4602	
Flow Regime:	Subcritical	
Flow Area:	249.68	sq ft
Average Velocity:	6.56	ft/s
Maximum Velocity:	6.60	ft/s
Composite n:	0.0892	
Hydraulic Radius:	3.39	ft
Wetted Perimeter:	73.67	ft
Wetted Top Width:	72.39	ft
Critical Slope:	0.1433	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~80~~835

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



Normal Depth Results

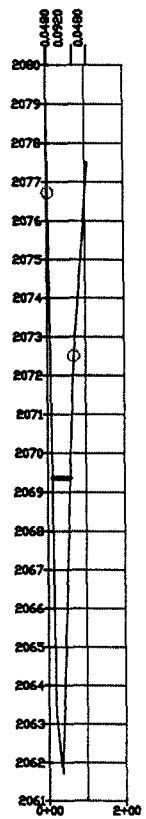
Cross-Section:	~~88~~ 840	
Elevation:	2059.44	ft MSL
Depth:	6.13	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0301	ft/ft
Froude Number:	0.4492	
Flow Regime:	Subcritical	
Flow Area:	259.91	sq ft
Average Velocity:	6.30	ft/s
Maximum Velocity:	6.30	ft/s
Composite n:	0.092	
Hydraulic Radius:	3.36	ft
Wetted Perimeter:	77.35	ft
Wetted Top Width:	76.27	ft
Critical Slope:	0.1494	ft/ft

File: T4N-R8W-S35E.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~88~~ 840

Entellus™



~~98~~ 845

Normal Depth Results

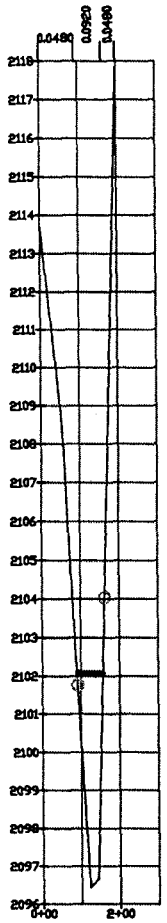
Cross-Section:	~~98~~ 845	
Elevation:	2069.37	ft MSL
Depth:	7.64	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0301	ft/ft
Froude Number:	0.4806	
Flow Regime:	Subcritical	
Flow Area:	217.67	sq ft
Average Velocity:	7.54	ft/s
Maximum Velocity:	7.54	ft/s
Composite n:	0.092	
Hydraulic Radius:	4.4	ft
Wetted Perimeter:	49.52	ft
Wetted Top Width:	46.03	ft
Critical Slope:	0.1301	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~80~~ 845

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/11/02



~~95~~
850

Normal Depth Results

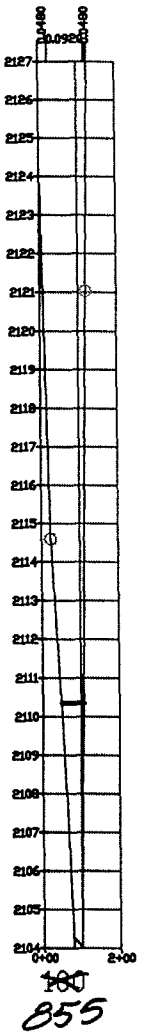
Cross-Section	~~95~~ 850	
Elevation	2102.10	ft MSL
Depth	3.66	ft
Discharge	1640.00	cfs
Energy Gradient	0.0301	ft/ft
Froude Number	0.4935	
Flow Regime	Subcritical	
Flow Area	246.36	sq ft
Average Velocity	6.66	ft/s
Maximum Velocity	6.67	ft/s
Composite n	0.0909	
Hydraulic Radius	3.56	ft
Wetted Perimeter	69.11	ft
Wetted Top Width	67.61	ft
Critical Slope	0.1246	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~95~~ 850

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



Normal Depth Results

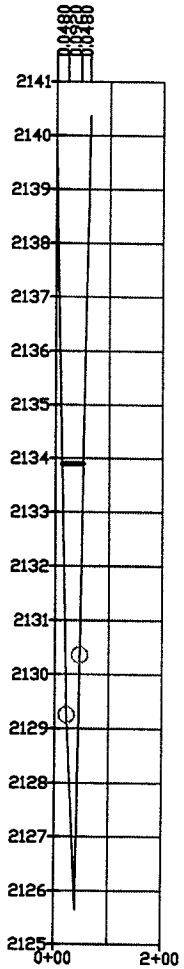
Cross-Section:	~~100~~ 855	
Elevation:	2110.36	ft MSL
Depth:	6.33	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0301	ft/ft
Froude Number:	0.4861	
Flow Regime:	Subcritical	
Flow Area:	236.39	sq ft
Average Velocity:	6.95	ft/s
Maximum Velocity:	6.95	ft/s
Composite n:	0.092	
Hydraulic Radius:	3.89	ft
Wetted Perimeter:	60.74	ft
Wetted Top Width:	57.72	ft
Critical Slope:	0.1268	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~100~~855

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



~~186~~ 860

Normal Depth Results

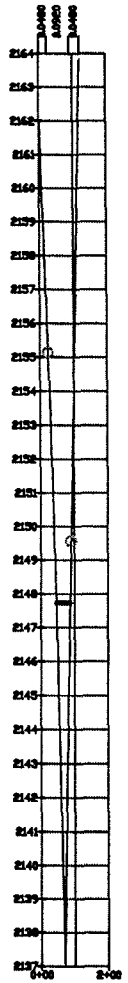
Cross-Section:	~~186~~ 860	
Elevation:	2133.90	ft MSL
Depth:	8.25	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0301	ft/ft
Froude Number:	0.5477	
Flow Regime:	Subcritical	
Flow Area:	183.81	sq ft
Average Velocity:	8.93	ft/s
Maximum Velocity:	9.08	ft/s
Composite n:	0.076	
Hydraulic Radius:	4.23	ft
Wetted Perimeter:	43.42	ft
Wetted Top Width:	39.38	ft
Critical Slope:	0.101	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~186~~ 860

Entellus™

File: T4N-R8W-S35E.dwg, Date: 7/12/02



~~110~~ 865

Normal Depth Results

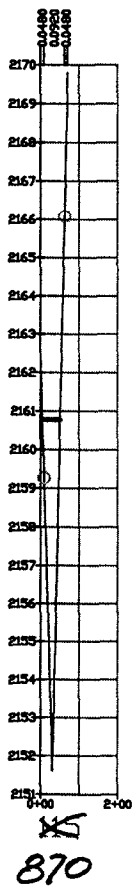
Cross-Section	~~110~~ 865	
Elevation	2147.74	ft MSL
Depth	10.67	ft
Discharge	1640.00	cfs
Energy Gradient	0.0301	ft/ft
Froude Number	0.4152	
Flow Regime	Subcritical	
Flow Area	213.19	sq ft
Average Velocity	7.69	ft/s
Maximum Velocity	7.69	ft/s
Composite n	0.098	
Hydraulic Radius	4.53	ft
Wetted Perimeter	47.09	ft
Wetted Top Width	41.77	ft
Critical Slope	0.1747	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~110~~ 865

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



Normal Depth Results

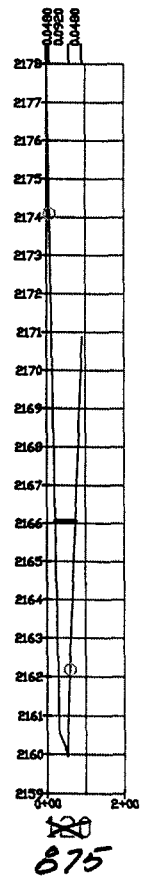
Cross-Section:	~~115~~ 870	
Elevation:	2160.78	ft MSL
Depth:	9.16	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0301	ft/ft
Froude Number:	0.4505	
Flow Regime:	Subcritical	
Flow Area:	212.06	sq ft
Average Velocity:	7.73	ft/s
Maximum Velocity:	7.78	ft/s
Composite n:	0.0885	
Hydraulic Radius:	4.26	ft
Wetted Perimeter:	49.84	ft
Wetted Top Width:	46.30	ft
Critical Slope:	0.1507	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~115~~ 870

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02



Normal Depth Results

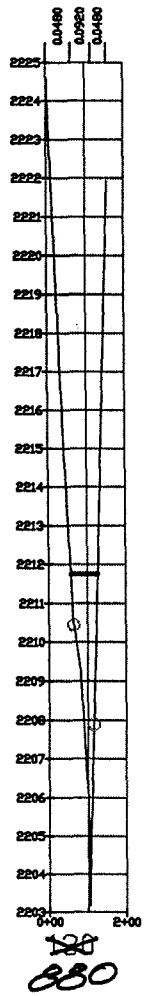
Cross-Section:	~~180~~ 875	
Elevation:	2166.05	ft MSL
Depth:	6.09	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0301	ft/ft
Froude Number:	0.5582	
Flow Regime:	Subcritical	
Flow Area:	209.84	sq ft
Average Velocity:	7.84	ft/s
Maximum Velocity:	8.17	ft/s
Composite n:	0.0809	
Hydraulic Radius:	3.85	ft
Wetted Perimeter:	54.57	ft
Wetted Top Width:	52.28	ft
Critical Slope:	0.0961	ft/ft

File: T4N-R8W-S35E.dwg Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~120~~ 875

Entellus™



Normal Depth Results

Cross-Section:	~~130~~ 880	
Elevation:	2211.76	ft MSL
Depth:	8.59	ft
Discharge:	1640.00	cfs
Energy Gradient:	0.0301	ft/ft
Froude Number:	0.4187	
Flow Regime:	Subcritical	
Flow Area:	235.59	sq ft
Average Velocity:	6.96	ft/s
Maximum Velocity:	8.06	ft/s
Composite n:	0.082	
Hydraulic Radius:	3.23	ft
Wetted Perimeter:	72.93	ft
Wetted Top Width:	69.63	ft
Critical Slope:	0.1754	ft/ft

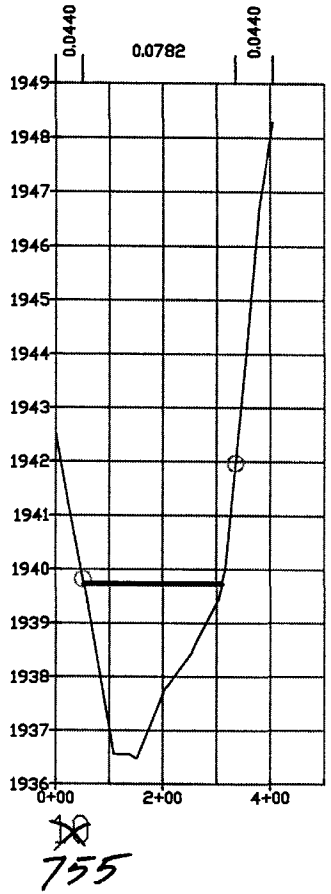
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35E–~~130~~ 880

Entellus™

File: T4N-R8W-S35E.dwg Date: 7/12/02

T4N-R8W-S35N



Normal Depth Results

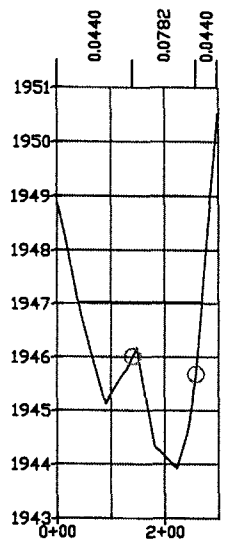
Cross-Section:	~~26~~ 755	
Elevation:	1939.73	ft MSL
Depth:	3.25	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.4643	
Flow Regime:	Subcritical	
Flow Area:	482.28	sq ft
Average Velocity:	4.76	ft/s
Maximum Velocity:	4.76	ft/s
Composite n:	0.0782	
Hydraulic Radius:	1.87	ft
Wetted Perimeter:	257.99	ft
Wetted Top Width:	257.86	ft
Critical Slope:	0.125	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~10~~ 755

Entellus™

File: T2N-R6W-S18W.dwg; Date: 9/25/02



~~12~~ 760

Normal Depth Results

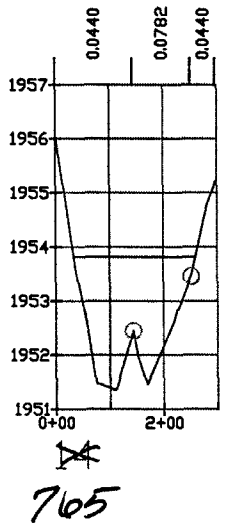
Cross-Section:	~~25~~ 760	
Elevation:	1947.03	ft MSL
Depth:	3.10	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5703	
Flow Regime:	Subcritical	
Flow Area:	402.26	sq ft
Average Velocity:	5.72	ft/s
Maximum Velocity:	6.39	ft/s
Composite n:	0.0627	
Hydraulic Radius:	1.75	ft
Wetted Perimeter:	230.20	ft
Wetted Top Width:	229.97	ft
Critical Slope:	0.0839	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~12~~ 760

Entellus™

File: T4N-R8W-S35N.dwg, Date: 7/12/02



Normal Depth Results

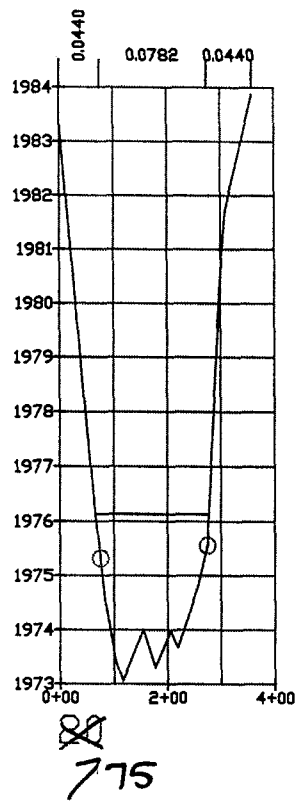
Cross-Section:	765	
Elevation:	1953.82	ft MSL
Depth:	2.47	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.7136	
Flow Regime:	Subcritical	
Flow Area:	360.22	sq ft
Average Velocity:	6.32	ft/s
Maximum Velocity:	8.18	ft/s
Composite n:	0.0615	
Hydraulic Radius:	1.59	ft
Wetted Perimeter:	226.39	ft
Wetted Top Width:	226.25	ft
Critical Slope:	0.0729	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–765

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



Normal Depth Results

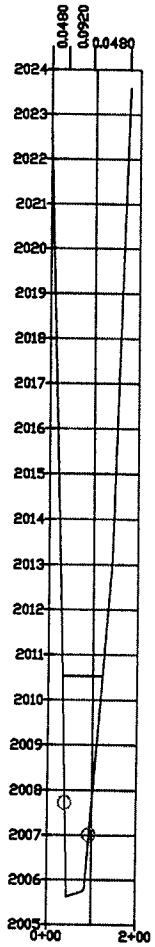
Cross-Section:	~~80~~ 775	
Elevation:	1976.13	ft MSL
Depth:	3.07	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5244	
Flow Regime:	Subcritical	
Flow Area:	439.31	sq ft
Average Velocity:	5.25	ft/s
Maximum Velocity:	5.27	ft/s
Composite n:	0.0764	
Hydraulic Radius:	2.08	ft
Wetted Perimeter:	211.57	ft
Wetted Top Width:	211.34	ft
Critical Slope:	0.0982	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~20~~ 775

Entellus™

File: T4N-R8W-S35N.dwg; Date: 7/12/02



~~30~~ 785

Normal Depth Results

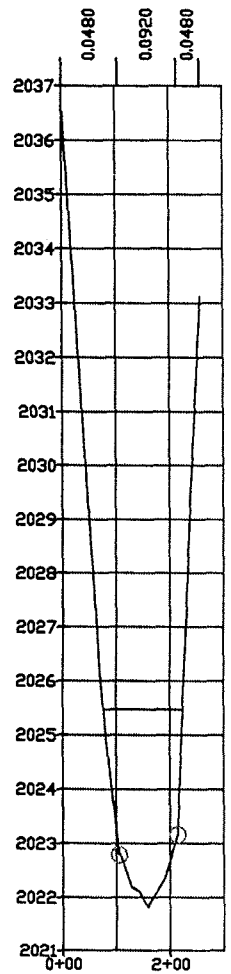
Cross-Section:	~~30~~ 785	
Elevation:	2010.53	ft MSL
Depth:	4.90	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5803	
Flow Regime:	Subcritical	
Flow Area:	314.27	sq ft
Average Velocity:	7.30	ft/s
Maximum Velocity:	7.41	ft/s
Composite n:	0.0763	
Hydraulic Radius:	3.42	ft
Wetted Perimeter:	91.85	ft
Wetted Top Width:	90.68	ft
Critical Slope:	0.0803	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~30~~ 785

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



~~38~~
790

Normal Depth Results

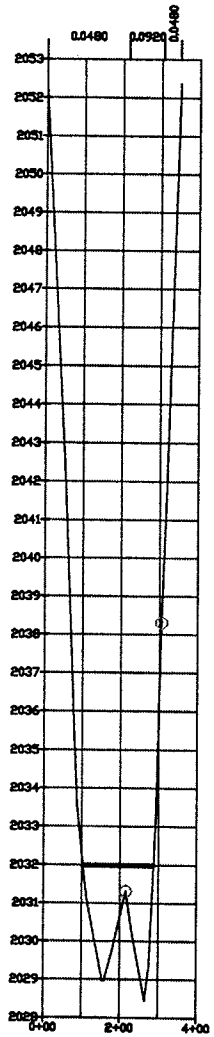
Cross-Section:	~~38~~ 790	
Elevation:	2025.47	ft MSL
Depth:	3.65	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5336	
Flow Regime:	Subcritical	
Flow Area:	395.78	sq ft
Average Velocity:	5.79	ft/s
Maximum Velocity:	6.33	ft/s
Composite n:	0.0816	
Hydraulic Radius:	2.67	ft
Wetted Perimeter:	148.26	ft
Wetted Top Width:	147.81	ft
Critical Slope:	0.0952	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~38~~ 790

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



~~48~~ 795

Normal Depth Results

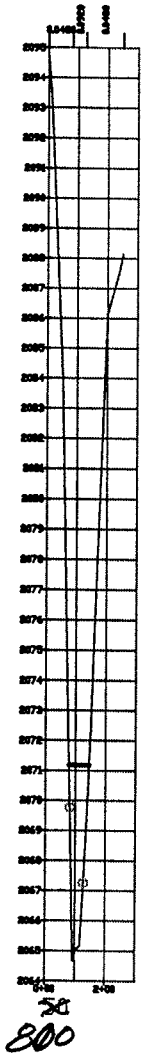
Cross-Section:	~~48~~ 795	
Elevation:	2031.99	ft MSL
Depth:	3.54	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5887	
Flow Regime:	Subcritical	
Flow Area:	364.36	sq ft
Average Velocity:	6.28	ft/s
Maximum Velocity:	7.67	ft/s
Composite n:	0.067	
Hydraulic Radius:	1.97	ft
Wetted Perimeter:	185.02	ft
Wetted Top Width:	184.45	ft
Critical Slope:	0.0934	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~48~~ 795

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



Normal Depth Results

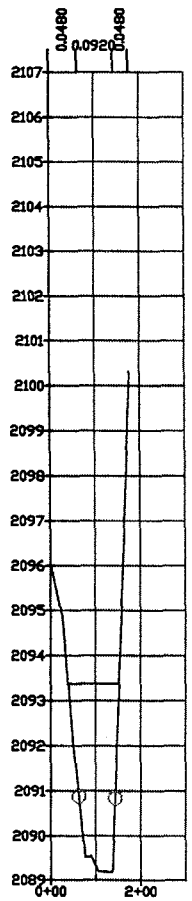
Cross-Section	50 800	
Elevation	2071.18	ft MSL
Depth	6.49	ft
Discharge	2290.00	cfs
Energy Gradient	0.0271	ft/ft
Froude Number	0.5528	
Flow Regime	Subcritical	
Flow Area	296.57	sq ft
Average Velocity	8.01	ft/s
Maximum Velocity	8.11	ft/s
Composite n	0.0795	
Hydraulic Radius	4.15	ft
Wetted Perimeter	69.13	ft
Wetted Top Width	67.05	ft
Critical Slope	0.0893	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~50~~ 800

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



~~80~~ 805

Normal Depth Results

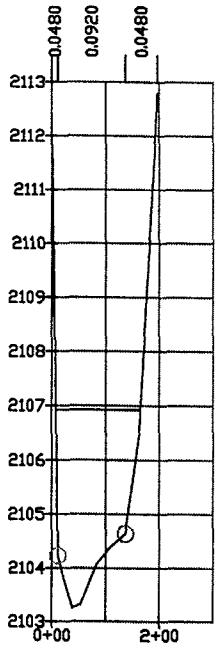
Cross-Section:	~~80~~ 805	
Elevation:	2093.38	ft MSL
Depth:	4.20	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5572	
Flow Regime:	Subcritical	
Flow Area:	353.59	sq ft
Average Velocity:	6.49	ft/s
Maximum Velocity:	6.55	ft/s
Composite n:	0.0805	
Hydraulic Radius:	3.1	ft
Wetted Perimeter:	113.89	ft
Wetted Top Width:	113.12	ft
Critical Slope:	0.0871	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~80~~ 805

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



Normal Depth Results

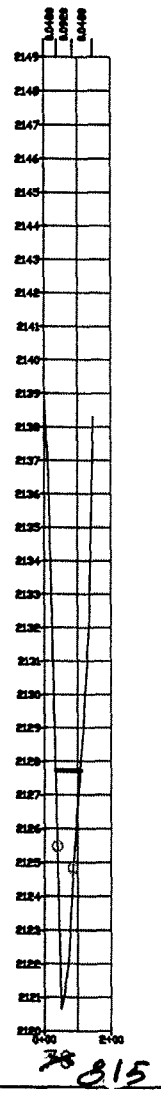
Cross-Section:	~~65~~ 810	
Elevation:	2106.92	ft MSL
Depth:	3.67	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5089	
Flow Regime:	Subcritical	
Flow Area:	413.98	sq ft
Average Velocity:	5.55	ft/s
Maximum Velocity:	5.91	ft/s
Composite n:	0.0838	
Hydraulic Radius:	2.61	ft
Wetted Perimeter:	158.61	ft
Wetted Top Width:	157.60	ft
Critical Slope:	0.1041	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~65~~ 810

Entellus™

File: T4N-R8W-S35N.dwg, Date: 7/12/02



Normal Depth Results

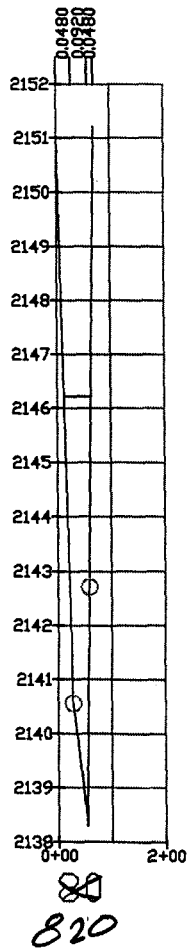
Cross-Section:	~~78~~ 815	
Elevation:	2127.73	ft MSL
Depth:	7.07	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5198	
Flow Regime:	Subcritical	
Flow Area:	292.12	sq ft
Average Velocity:	7.85	ft/s
Maximum Velocity:	8.07	ft/s
Composite n:	0.0778	
Hydraulic Radius:	3.87	ft
Wetted Perimeter:	75.56	ft
Wetted Top Width:	73.56	ft
Critical Slope:	0.1021	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~70~~ 815

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



Normal Depth Results

Cross-Section:	~~80~~ 820	
Elevation:	2146.21	ft MSL
Depth:	7.92	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5672	
Flow Regime:	Subcritical	
Flow Area:	252.84	sq ft
Average Velocity:	9.05	ft/s
Maximum Velocity:	9.76	ft/s
Composite n:	0.0764	
Hydraulic Radius:	4.69	ft
Wetted Perimeter:	53.94	ft
Wetted Top Width:	49.78	ft
Critical Slope:	0.0855	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~80~~ 820

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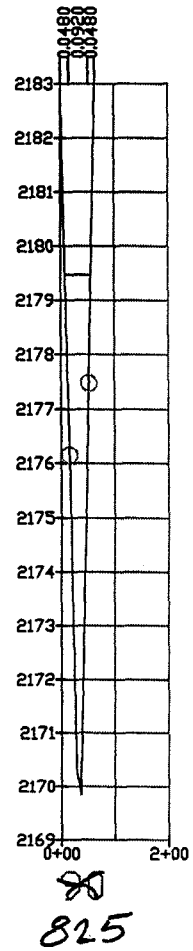
File: T4N-R8W-S35N.dwg, Date: 7/12/02



Normal Depth Results

Cross-Section:	~~90~~ 825	
Elevation:	2179.47	ft MSL
Depth:	9.62	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5002	
Flow Regime:	Subcritical	
Flow Area:	260.25	sq ft
Average Velocity:	8.81	ft/s
Maximum Velocity:	8.98	ft/s
Composite n:	0.0822	
Hydraulic Radius:	4.97	ft
Wetted Perimeter:	52.36	ft
Wetted Top Width:	48.19	ft
Critical Slope:	0.1111	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~90~~825

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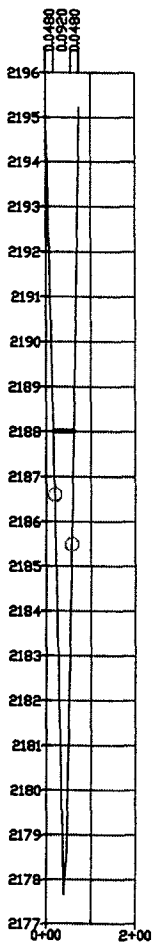
File: T4N-R8W-S35N.dwg; Date: 7/12/02



~~94~~ 830

Normal Depth Results

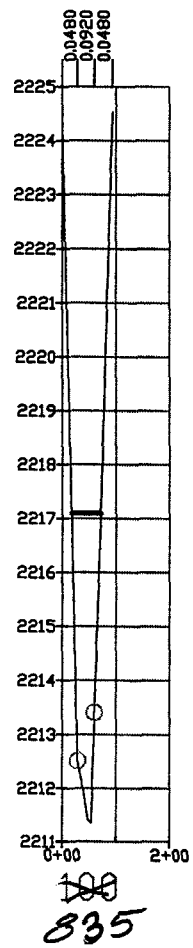
Cross-Section:	~~94~~ 830	
Elevation:	2188.02	ft MSL
Depth:	10.36	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.4765	
Flow Regime:	Subcritical	
Flow Area:	263.26	sq ft
Average Velocity:	8.69	ft/s
Maximum Velocity:	8.80	ft/s
Composite n:	0.0853	
Hydraulic Radius:	5.13	ft
Wetted Perimeter:	51.28	ft
Wetted Top Width:	46.58	ft
Critical Slope:	0.1235	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~84~~ 830

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



Normal Depth Results

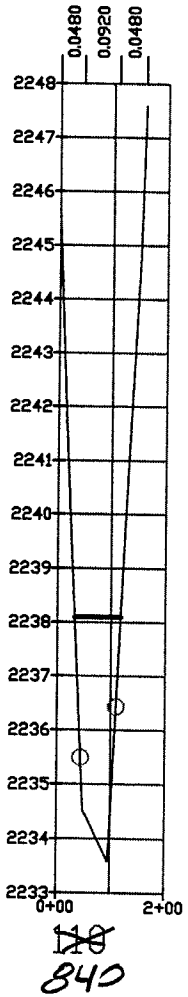
Cross-Section:	~~100~~ 835	
Elevation:	2217.10	ft MSL
Depth:	5.74	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0271	ft/ft
Froude Number:	0.5815	
Flow Regime:	Subcritical	
Flow Area:	210.04	sq ft
Average Velocity:	7.91	ft/s
Maximum Velocity:	8.43	ft/s
Composite n:	0.0747	
Hydraulic Radius:	3.73	ft
Wetted Perimeter:	56.26	ft
Wetted Top Width:	54.43	ft
Critical Slope:	0.0801	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~100~~ 835

Entellus™

File: T4N-k8W-s35N.dwg; Date: 7/12/02



Normal Depth Results

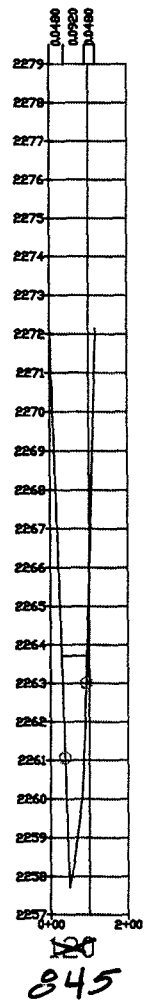
Cross-Section:	~~110~~ 840	
Elevation:	2238.10	ft MSL
Depth:	4.51	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0253	ft/ft
Froude Number:	0.5094	
Flow Regime:	Subcritical	
Flow Area:	270.50	sq ft
Average Velocity:	6.16	ft/s
Maximum Velocity:	6.23	ft/s
Composite n:	0.0827	
Hydraulic Radius:	3.13	ft
Wetted Perimeter:	86.44	ft
Wetted Top Width:	85.60	ft
Critical Slope:	0.0977	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~110~~ 840

Entellus™

File: T4N-R8W-S35N.dwg, Date: 7/12/02



Normal Depth Results

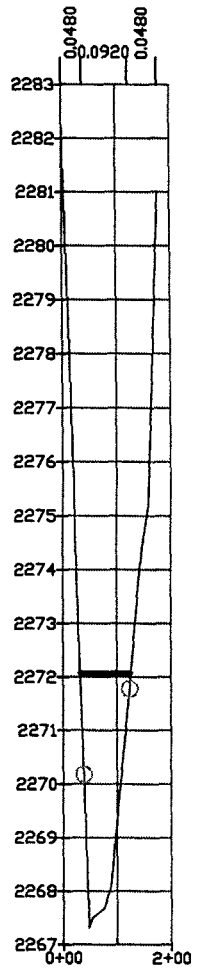
Cross-Section:	~~120~~ 845	
Elevation:	2263.72	ft MSL
Depth:	5.99	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0253	ft/ft
Froude Number:	0.4831	
Flow Regime:	Subcritical	
Flow Area:	247.48	sq ft
Average Velocity:	6.70	ft/s
Maximum Velocity:	6.76	ft/s
Composite n:	0.0853	
Hydraulic Radius:	3.71	ft
Wetted Perimeter:	66.80	ft
Wetted Top Width:	65.28	ft
Critical Slope:	0.1103	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~120~~ 845

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



~~122~~ 850

Normal Depth Results

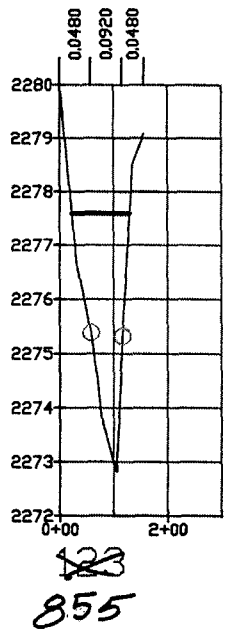
Cross-Section:	~~122~~ 850	
Elevation:	2272.07	ft MSL
Depth:	4.75	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0253	ft/ft
Froude Number:	0.4614	
Flow Regime:	Subcritical	
Flow Area:	290.85	sq ft
Average Velocity:	5.71	ft/s
Maximum Velocity:	5.74	ft/s
Composite n:	0.0879	
Hydraulic Radius:	3.06	ft
Wetted Perimeter:	95.16	ft
Wetted Top Width:	94.28	ft
Critical Slope:	0.1202	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~122~~ 850

Entellus™

File: T4N-R8W-S35N.dwg, Date: 7/12/02



Normal Depth Results

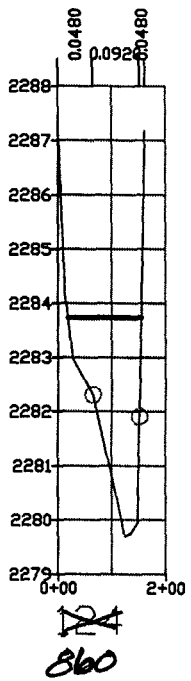
Cross-Section:	~~123~~ 855	
Elevation:	2277.60	ft MSL
Depth:	4.78	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0253	ft/ft
Froude Number:	0.4853	
Flow Regime:	Subcritical	
Flow Area:	275.92	sq ft
Average Velocity:	6.03	ft/s
Maximum Velocity:	6.12	ft/s
Composite n:	0.0737	
Hydraulic Radius:	2.56	ft
Wetted Perimeter:	107.64	ft
Wetted Top Width:	107.00	ft
Critical Slope:	0.1071	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~123~~ 855

Entellus™

File: T4N-R8W-S35N.dwg, Date: 7/12/02



Normal Depth Results

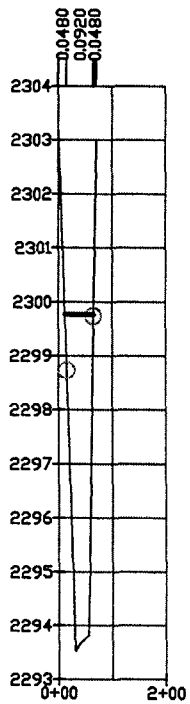
Cross-Section:	~~124~~ 860	
Elevation:	2283.74	ft MSL
Depth:	4.04	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0253	ft/ft
Froude Number:	0.4661	
Flow Regime:	Subcritical	
Flow Area:	312.50	sq ft
Average Velocity:	5.30	ft/s
Maximum Velocity:	5.40	ft/s
Composite n:	0.0774	
Hydraulic Radius:	2.27	ft
Wetted Perimeter:	137.72	ft
Wetted Top Width:	136.67	ft
Critical Slope:	0.1176	ft/ft

File: T4N-R8W-S35N.dwg; Date: 7/12/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~124~~ 860

Entellus™



~~130~~ 865

Normal Depth Results

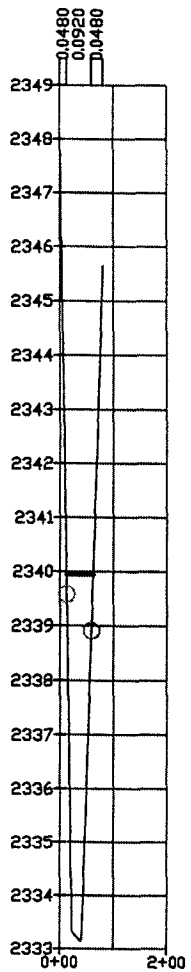
Cross-Section:	~~130~~ 865	
Elevation:	2299.77	ft MSL
Depth:	6.24	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0253	ft/ft
Froude Number:	0.4928	
Flow Regime:	Subcritical	
Flow Area:	237.69	sq ft
Average Velocity:	6.99	ft/s
Maximum Velocity:	7.02	ft/s
Composite n:	0.0894	
Hydraulic Radius:	4.23	ft
Wetted Perimeter:	56.19	ft
Wetted Top Width:	53.49	ft
Critical Slope:	0.1057	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~130~~ 865

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



~~140~~ 870

Normal Depth Results

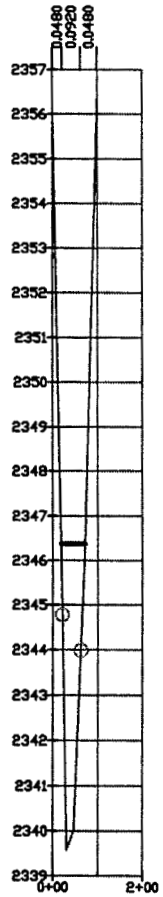
Cross-Section:	~~140~~ 870	
Elevation:	2339.95	ft MSL
Depth:	6.81	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0253	ft/ft
Froude Number:	0.4843	
Flow Regime:	Subcritical	
Flow Area:	231.53	sq ft
Average Velocity:	7.18	ft/s
Maximum Velocity:	7.21	ft/s
Composite n:	0.089	
Hydraulic Radius:	4.36	ft
Wetted Perimeter:	53.14	ft
Wetted Top Width:	50.12	ft
Critical Slope:	0.1099	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~140~~ 870

Entellus™

File: T4N-R8W-S35N.dwg; Date: 7/12/02



~~142~~ 875

Normal Depth Results

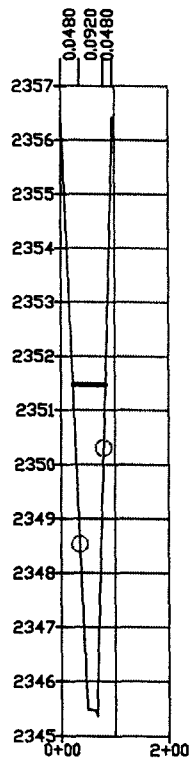
Cross-Section:	~~142~~ 875	
Elevation:	2346.38	ft MSL
Depth:	6.80	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0253	ft/ft
Froude Number:	0.4946	
Flow Regime:	Subcritical	
Flow Area:	226.96	sq ft
Average Velocity:	7.34	ft/s
Maximum Velocity:	7.47	ft/s
Composite n:	0.0829	
Hydraulic Radius:	4.05	ft
Wetted Perimeter:	56.09	ft
Wetted Top Width:	53.59	ft
Critical Slope:	0.105	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~142~~ 875

Entellus™

File: T4N-R8W-S35N.dwg Date: 7/12/02



~~146~~ 880

Normal Depth Results

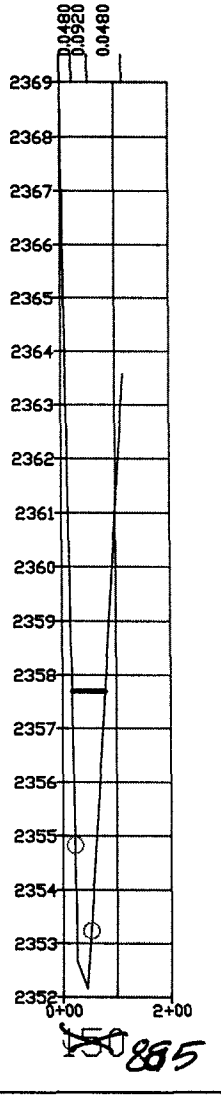
Cross-Section:	~~146~~ 880	
Elevation:	2351.47	ft MSL
Depth:	6.10	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0253	ft/ft
Froude Number:	0.5048	
Flow Regime:	Subcritical	
Flow Area:	234.69	sq ft
Average Velocity:	7.09	ft/s
Maximum Velocity:	7.20	ft/s
Composite n:	0.0815	
Hydraulic Radius:	3.76	ft
Wetted Perimeter:	62.39	ft
Wetted Top Width:	60.59	ft
Critical Slope:	0.1004	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~T46~~ 880

Entellus™

File: T4N-R8W-S35N.dwg; Date: 7/12/02



Normal Depth Results

Cross-Section:	~~150~~ 885	
Elevation:	2357.70	ft MSL
Depth:	5.54	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0253	ft/ft
Froude Number:	0.5742	
Flow Regime:	Subcritical	
Flow Area:	216.44	sq ft
Average Velocity:	7.67	ft/s
Maximum Velocity:	8.36	ft/s
Composite n:	0.0707	
Hydraulic Radius:	3.43	ft
Wetted Perimeter:	63.17	ft
Wetted Top Width:	61.26	ft
Critical Slope:	0.0778	ft/ft

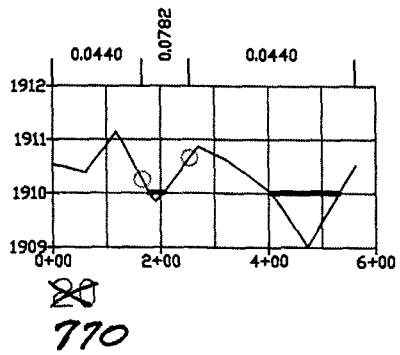
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35N–~~150~~ 885

Entellus™

File: T4N-R8W-S35N.dwg, Date: 7/12/02

T4N-R8W-S35W



Normal Depth Results

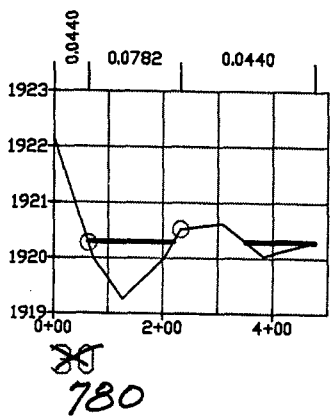
Cross-Section:	~~20~~ 770	
Elevation:	1910.01	ft MSL
Depth:	1.00	ft
Discharge:	200.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.5385	
Flow Regime:	Subcritical	
Flow Area:	65.39	sq ft
Average Velocity:	3.05	ft/s
Maximum Velocity:	3.15	ft/s
Composite n:	0.051	
Hydraulic Radius:	0.42	ft
Wetted Perimeter:	154.86	ft
Wetted Top Width:	154.84	ft
Critical Slope:	0.1194	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35W–~~20~~ 770

Entellus™

File: T4N-R8W-S35W-New-Mapping.dwg Date: 9/03/02



Normal Depth Results

Cross-Section:	~~30~~ 780	
Elevation:	1920.29	ft MSL
Depth:	1.03	ft
Discharge:	200.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.3259	
Flow Regime:	Subcritical	
Flow Area:	106.39	sq ft
Average Velocity:	1.86	ft/s
Maximum Velocity:	1.96	ft/s
Composite n:	0.064	
Hydraulic Radius:	0.38	ft
Wetted Perimeter:	282.50	ft
Wetted Top Width:	282.48	ft
Critical Slope:	0.2257	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R8W–S35W–~~30~~ 780

Entellus™

File: T4N-R8W-S35W-New-Mapping.dwg Date: 9/03/02