WHITE TANKS/AGUA FRIA ADMS COMPUTATIONS

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/16/91

ROUTING PARAMETERS

CP279B TO CP279A

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

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .44

NSTPS	–	-1	0
RS	~~312~~ –	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.035	.035	1541	.00023

$$= \frac{1020 - 1016.5}{1541}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1130	1520	1860	1875	1899	1900
RY	1025	1025	1024	1022	1022	1024	1025	1025

Form 209

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/17/91

ROUTING PARAMETERS

CP279 CTO CP294

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .48

NSTPS	–	-1	0
RS	424	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.03	.03	.03	3400	.0038

$$= \frac{1020 - 1007}{3400}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1060	1080	2250	2270	2290	2310
RY	1019	1019	1018	1016	1016	1018	1020	1021

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/16/91

ROUTING PARAMETERS

CP279C TO CP279B

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = No Flow

	NSTPS	–	–1	0
RS	1	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.035	.035	840	.0024

$$= \frac{1022 - 1020}{840}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1130	1520	1860	1875	1899	1900
RY	1025	1025	1024	1022	1022	1024	1025	1025

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/17/91

ROUTING PARAMETERS

CP279D TO CP294

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .40

NSTPS	–	-1	0
RS	~~1~~ 2B	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.03	.03	.03	3400	.0047

$$= \frac{1023 - 1007}{3400}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1060	1080	2250	2270	2290	2310
RY	1019	1019	1018	1016	1016	1018	1020	1021

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/16/91

ROUTING PARAMETERS

CP279D TO CP279C

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = No Flow

	NSTPS	-1	0
RS	2	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.035	.035	900	.0011

$$= \frac{1023-1022}{900}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1130	1520	1860	1875	1899	1900
RY	1025	1025	1024	1022	1022	1024	1025	1025

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/16/91

ROUTING PARAMETERS

CP280 TO CP280A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .77

	NSTPS	—	-1	0
RS	~~8~~ 10	—	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.06	.06	.06	2400	.0080

$$= \frac{150}{2400}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1050	1090	1120	1410	1498	1499	1500
RY	1026	1020	1010	1008	1008	1008.5	1008.5	1009

Form 209

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP280A TO CP296

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .41

	NSTPS	–	–1	0
RS	~~6~~ 44	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	5460	.0040

$$= \frac{1009 - 987}{5460}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1250	2250	2648	2649	2650
RY	997	997	997	996	996	997	997	997

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 2/21 /91

ROUTING PARAMETERS

CP281 TO CP280

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .74

	NSTPS	–	-1	0
RS	1	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.07	.05	.07	380	.0039

$$= \frac{1009 - 1007.5}{380}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1050	1080	1120	1170	1320	2010
RY	1010	1010	1008	1007.5	1007.5	1008	1009	1010

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/16/91

ROUTING PARAMETERS

CP281 TO CP282

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.0

	NSTPS	–	-1	0
RS	~~12~~ 5	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.035	.075	1450	.0041

$$= \frac{1006 - 1000}{1450}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1040	1720	1868	1869	1870
RY	1003	1003	1003	1002	1002	1003	1003	1003

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP282 TO CP296

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .85

NSTPS	–	–1	0
RS	~~8~~ 10	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	4680	.0028

$= \frac{1000 - 987}{4680}$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1040	1420	2020	2269	2270
RY	1095	1095	1095	1094	1094	1096	1098	1098

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/17/91

ROUTING PARAMETERS

CP283 TO CP285B

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .76

	NSTPS	–	-1	0
RS	~~15~~	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	1100	.0045

$$= \frac{1014 - 1008}{1100}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1070	1700	1848	1849	1850
RY	1001	1001	1001	1000	1000	1001	1001	1001

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/16/91

ROUTING PARAMETERS

CP284 TO CP285A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 2.0

	NSTPS	–	-1	0
RS	~~X~~ Z	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	1050	.0076

$$= \frac{1010 - 1002}{1050}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1440	1448	1449	1450
RY	1009.5	1009	1009	1008	1008	1009	1009	1009.5

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/16/91

ROUTING PARAMETERS

CP285 TO CP287

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 5.0

	NSTPS	–	–1	0
RS	2	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.025	.025	2460	.0061

$$= \frac{1003 - 988}{2460}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1530	1540	1550	1560	1570	1610
RY	999	999	998	996	996	998	1000	1010

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/30/91

ROUTING PARAMETERS

CP285 TO CP297A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 2.7

	NSTPS	–	-1	0
RS	~~4~~ 5	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.03	.03	.07	3950	.0030

$$= \frac{1002 - 990}{3950}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1050	1460	1819	1820
RY	997.5	997	997	996	996	998	999	999

Form 200

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/16/91

ROUTING PARAMETERS

CP285ATO CP285 sec - as for CP285 → CP287

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 2.7

	NSTPS	–	–1	0
RS	2	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.07	.02	.025	1745	.0029

$$= \frac{1007 - 1002}{1745}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1530	1540	1550	1560	1570	1610
RY	999	999	998	996	996	998	1000	1010

Form 209

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP 285A TO CP297A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 2.1

	NSTPS	–	-1	0
RS	~~5~~ 7	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.03	.03	.07	4370	.0041

$$= \frac{1008 - 990}{4370}$$

	LOB	LOB	LOB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1050	1460	1819	1820
RY	997.5	997	997	996	996	998	999	999

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/16/91

ROUTING PARAMETERS

CP285B TO CP285A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .48

	NSTPS	–	–1	0
RS	~~4~~ 7	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.035	.035	1072	.0009

$$= \frac{1009 - 1008}{1072}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1280	1550	1598	1599	1600
RY	1011	1011	1011	1010	1010	1015	1015	1015

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP285B TO CP297

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .58

	NSTPS			
		–	–1	0
RS	~~5~~ 24	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	4210	.0040

$$= \frac{1010 - 993}{4210}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1500	2200	2658	2659	2660
RY	998	998	998	996	996	998	998	998

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/16/91

ROUTING PARAMETERS

CP286 TO CP287

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.6

	NSTPS	-1	0
RS	2	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	1100	.0027

$$= \frac{991 - 988}{1100}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1210	1510	1950	2360	2529	2530
RY	993	993	992	990	990	992	993	993

Form 209

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/8/91

ROUTING PARAMETERS

CP287 TO CP298

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 2.9

	NSTPS	-1	0
RS	5	-1	0

	N left	N chan	N right	Length	Slope
RC	.05	.03	.05	4370	.0023

$$= \frac{988 - 978}{4370}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1200	1380	1500	1890	2090	2330	2560
RY	990	988	986	984	984	986	988	990

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 2/21/91

ROUTING PARAMETERS

CP287A TO CP287B

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .57

	NSTPS	–	-1	0
RS	47	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.035	1200	.001

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1050	1060	1660	1760	1780	1800
RY	988	988	980	978	978	980	986	988

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 2/21 /91

ROUTING PARAMETERS

CP287B TO CP287C

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .63

	NSTPS	–	-1	0
RS	~~8~~13	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.035	.035	.035	2450	.0010

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1030	1050	1670	1690	1719	1720
RY	986	986	980	978	978	980	986	986

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-22-91

ROUTING PARAMETERS

PIPE ROUTE

CP 2870 TO RCP 302

METHOD USED: KINEMATIC ROUTING

DATA

SIZE - 48" S.D. LENGTH = 5620 ft.

SLOPE - .0006 %

MANNINGS N - .012

RK 5620 .0006 .012 CIRC 4

Form 209

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 2/21 /91

ROUTING PARAMETERS

CP287C TO CP287D

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = 1.1

	NSTPS	—	-1	0
RS	7	—	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.035	2150	.0009

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1040	1060	1670	1700	1740	1800
RY	988	988	980	974	974	980	986	990

Form 200

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCD287E TO RCD302

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTAS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} = \frac{3200}{6 \times 300} = 1.8$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.10

	NSTPS.			
RS	23	—	-1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	3200	.0026

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	996	990	990	974	974	990	990	990

Form 209

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/24/91

ROUTING PARAMETERS

CP287E TO CP302

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .61

	NSTPS	–	–1	0
RS	3/6	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.03	.03	.03	2960	.0041

$$= \frac{990 - 978}{2960}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1010	1300	1650	1799	1800
RY	986	986	986	978	978	980	982	982

Form 200

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 2/21 /91

ROUTING PARAMETERS

CP288A TO CP287A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .83

	NSTPS	–	-1	0
RS	19	–	-1	0

	N left	N chan	N right	Length	Slope	= 4 / 2350
RC	.06	.06	.06	2350	.0017	

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1160	1950	2128	2129	2130
RY	991.5	991	991	990	990	991	991	991.5

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/16/91

ROUTING PARAMETERS

CP288 TO CP286

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.8

	NSTPS	–	–1	0
RS	~~2~~ 3	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.075	1500	.0033

$$= \frac{996 - 991}{1500}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1040	1055	1280	1849	1850
RY	997	997	997	996	996	998	1000	1000

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 2/21 /91

ROUTING PARAMETERS

CP288B TO CP287B

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .54

NSTPS	—	-1	0	
RS	1/14	—	-1	0

	N left	N chan	N right	Length	Slope
RC	.06	.06	.06	2200	.002

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1040	2090	2098	2099	2100
RY	991.5	991	991	990	990	991	991	991.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 2/21 /91

ROUTING PARAMETERS

CP289 TO CP287C

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.1

	NSTPS	–	–1	0
RS	~~4~~ 10	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.06	.06	.06	3150	.0035

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1230	2180	2188	2189	2190
RY	991.5	991	991	990	990	991	991	991.5

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 2/21 /91

ROUTING PARAMETERS

CP289A TO CP287D

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .65

	NSTPS	–	-1	0
RS	~~5~~ 15	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.06	.06	.06	2900	.0020

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1220	1900	2168	2169	2170
RY	991.5	991	991	990	990	991	991	991.5

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP290 TO RCP287E

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} \quad \frac{8700}{6 \times 300} = 4.8$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 2.8

	NSTPS			
RS	~~5~~ 10	—	-1	0

	N LEFT	N CHAN.	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	8700	.0018

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	999	999	999	984	984	999	999	999

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP290 TO CP291

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .43

	NSTPS	–	-1	0
RS	~~10~~ 48	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	6240	.0026

$$= \frac{996 - 980}{6240}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1160	2330	2350	2359	2360
RY	990	989	989	988	988	990	992	992

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/24/91

ROUTING PARAMETERS

CP291 TO CP287E

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .83

	NSTPS			
RS	79	–	–1	0
				0

	N left	N chan	N right	Length	Slope
RC	.035	.035	.075	2180	.0009

$$= \frac{2}{2180}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1260	1470	1530	1760
RY	990	990	990	984	984	986	988	989

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP292 TO CP306

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 2-3

NSTPS		–	-1	0
RS	~~3~~ 4	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.035	.035	.075	2500	.0032

$$= \frac{1013 - 1005}{2500}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1015	1035	1770	2009	2010
RY	1009	1009	1009	1008	1008	1010	1012	1012

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP292 TO CP293

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 2.6

	NSTPS	–	-1	0
RS	43	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.03	.03	2200	.0027

$$= \frac{1013 - 1007}{2200}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1140	1440	1730	1810	1828	1829	1830
RY	1015	1014	1012	1010	1010	1011	1011	1011.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP293 TO CP293A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .82

	NSTPS	–	–1	0
RS	9/11	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	2650	.0008

$$= \frac{1007 - 1005}{2650}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1090	1300	1430	1769	1770
RY	1008	1006	1006	1005	1005	1006	1008	1008

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP293 ATO CP306

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = 1.0

	NSTPS	–	-1	0
RS	4	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.03	.03	.075	1200	.0008

$= \frac{1}{1200}$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1030	1090	1200	1530	1760
RY	1007	1006	1006	1005	1005	1006	1008	1010

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP293A TO CP309

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.0

	NSTPS	–	–1	0
RS	~~7~~ 20	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	5930	.0057

$$= \frac{1005 - 971}{5930}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1270	2340	2598	2599	2600
RY	1083.5	1083	1083	1082	1082	1083	1083	1083.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/17/91

ROUTING PARAMETERS

CP294 TO CP309

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = No Flow

NSTPS	–	-1	0
RS 5	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	6240	.0058

$$= \frac{1007 - 971}{6240}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1020	1230	1880	2300	2350	2440
RY	993	993	992	990	990	992	994	995

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/30/91

ROUTING PARAMETERS

CP294A TO CP295

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 4.7

	NSTPS	–	–1	0
RS	~~4~~2	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.025	.022	.025	3430	.0047

$$= \frac{1006 - 990}{3430}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1060	1120	1190	1220	1240	1270
RY	1103	1103	1102	1101	1101	1102	1104	1106

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/10/91

ROUTING PARAMETERS

CP 295 TO CP 311

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 3.5

	NSTPS			
RS	~~65~~	–	–1	0
			–1	0

	N left	N chan	N right	Length	Slope
RC	.03	.03	.075	5280	.0049

$$= \frac{990 - 964}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1025	1040	1370	2149	2150
RY	988	987	987	986	986	988	990	990

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP295A TO CP311A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.1

	NSTPS	–	–1	0
RS	~~6~~ 16	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.035	.035	5280	.00049

$$= \frac{990 - 964}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1061	1270	2180	2195	2210	2229	2230
RY	981	981	980	978	978	980	981	981

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP296 TO CP312

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 2.1

	NSTPS	–	–1	0
RS	710	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.03	.075	6280	.0037

$$= \frac{987 - 964}{6280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1190	1620	1640	1660	1900	2620
RY	1077	1077	1076	1074	1074	1075	1074	1075

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/8/91

ROUTING PARAMETERS

CP297 TO CP313

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = No Flow

	NSTPS	–	–1	0
RS	7	–	–1	0

	N left	N chan	N right	length	Slope
RC	.07	.03	.07	5930	.0040

$$= \frac{993-969}{5930}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1270	1510	1710	2218	2219	2220
RY	982	982	980	978	978	980	980	980

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 8 /91

ROUTING PARAMETERS

CP297A TO CP315

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.6 ft/sec

Actual vel = 1.0

	NSTPS	–	-1	0
RS	~~6~~ 19	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	5620	.0032

$$= \frac{990 - 972}{5620}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1090	1910	2148	2149	2150
RY	985	985	985	984	984	985	985	985

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP298 TO CP316

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 3.1

	NSTPS	–	–1	0
RS	6	–	–1	0

	Nleft	Nchan	Nright	Length	Slope	
RC	.015	.03	.05	5280	.0030	$= \frac{978-962}{5280}$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1100	1210	1410	1830	2030	2140	2310
RY	980	978	976	974	974	976	978	980

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP299 TO CP317

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .87

	NSTPS	–	–1	0
RS	~~6~~ 21	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.06	.06	.06	5460	.0033

$$= \frac{987 - 969}{5460}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1420	1840	2220	2514	2515
RY	980	980	980	978	978	980	982	982

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP300 TO CP318

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .90

NSTPS		–	–1	0
RS	~~8~~ 21	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.05	.05	.05	5620	.0028

$$= \frac{979-963}{5620}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1190	1800	2268	2269	2270
RY	975	975	975	974	974	976	976	976

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP301 TO CP319

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .85

	NSTPS	—	-1	0
RS	~~10~~24	—	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.05	.05	.05	6240	.0024

$$= \frac{979 - 964}{6240}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1250	2020	2280	2349	2350
RY	973	973	972	970	970	972	973	973

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP302 TO CP320

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = No Flow

	NSTPS	–	-1	0
RS	9	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.03	.03	.035	5620	.0014

$$= \frac{977-969}{5620}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1030	1140	1640	1770	1820	1840
RY	1075	1075	1066	1065	1065	1066	1068	1070

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 302 TO RCP 320

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} \qquad \frac{5280}{6 \times 300} = 2.9$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.1

	NSTPS			
RS	36	—	-1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	5280	.0026

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	975	975	975	960	960	975	975	975

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/21/91

ROUTING PARAMETERS

CP303 TO CP321

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 2.2

	NSTPS	—	-1	0
RS	~~4~~ 1	—	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.025	.025	.025	468	.0088

$$= \frac{1040 - 999}{4680}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1100	2570	2648	2649	2650
RY	1019	1019	1019	1018	1018	1019	1019	1019

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP303A TO CP304

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 5.6

NSTPS	–	-1	0
RS	~~5~~ 3	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.025	.02	.025	5500	.0067

$$= \frac{1044 - 1007}{5500}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1015	1030	1055	1130	1490	2020
RY	1041	1041	1040	1038	1038	1040	1042	1044

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/21/91

ROUTING PARAMETERS

CP304 TO CP323

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 2.7

	NSTPS	–	–1	0
RS	84	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.025	.025	.03	3280	.0018

$$= \frac{1007 - 1001}{3280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1090	1200	1270	1460	1750
RY	1003	1001.5	1001.5	1001	1001	1002	1004	1006

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP305 TO CP325

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 5.6

	NSTPS	–	-1	0
RS	64	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.025	.025	.07	6880	.0067

$$= \frac{1002 - 956}{6880}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1030	1040	1070	1800	2100
RY	976	975	975	974	974	976	978	979

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP 306 TO CP 308

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 2.4

	NSTPS			
RS	~~25~~	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.035	.035	.075	3740	.0072

$$= \frac{1005 - 978}{3740}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1410	1760	2059	2060
RY	997	997	997	996	996	998	999	999

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/7/91

ROUTING PARAMETERS

1) CP307 TO CP326

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 1.8

	NSTPS	—	-1	0
RS	440	—	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.075	5280	.0066

$$= \frac{984-949}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1015	1040	1800	2089	2090
RY	962	961	961	960	960	962	963	963

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP308 TO CP327

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 4.0

	NSTPS	–	-1	0
RS	4	–	-1	0

	N left	N chan	N right	length	slope
RC	.03	.03	.075	5280	.0070

$$= \frac{978 - 941}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1015	1020	1040	1260	1820	2050
RY	957	957	956	954	954	956	958	959

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/21/91

ROUTING PARAMETERS

CP309 TO CP328

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.1

NSTPS	–	–1	0
RS	017	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.07	.075	5770	.0047

$$= \frac{970 - 943}{5770}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1060	1200	1460	2160	2838	2839	2840
RY	1063	1062	1060	1058	1058	1060	1060	1060

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP310 TO CP329

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 4.5

	NSTPS	–	-1	0
RS	4	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.061	.025	.075	5280	.0070

$$= \frac{974 - 937}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1245	1250	1260	1350	1600	1820
RY	945	945	944	942	942	945	944	945

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP 311 TO CP 330

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 3.8

	NSTPS	–	–1	0
RS	~~65~~	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.030	.030	.06	5280	.0051

$$= \frac{964 - 937}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1030	1060	1140	1350	1470
RY	948	947	947	946	946	948	950	952

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP311A TO CP331

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.5

NSTPS	–	-1	0
RS	612	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.035	.035	5280	.0051

$$= \frac{964 - 937}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1180	1710	1720	1749	1750
RY	955	955	955	954	954	956	957	957

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/7/91

ROUTING PARAMETERS

CP312 TO CP331

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .77

NSTPS	–	–1	0
RS	~~7~~27	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	6240	.0043

$$= \frac{964 - 937}{6240}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1240	1920	2118	2119	2120
RY	951	951	951	950	950	951	951	951

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP313 TO CP332

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.40

	NSTPS	–	-1	0
RS	~~7~~ 14	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.035	.035	6000	.0042

$$= \frac{969 - 944}{6000}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1070	1390	1560	1870	1888	1889	1890
RY	965	964	962	960	960	961	961	961

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/21/91

ROUTING PARAMETERS

CP314 TO CP333

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .76

NSTPS		–	-1	0
RS	~~6~~ 25	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	5770	.00240

$$= \frac{974 - 951}{5770}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1200	1690	2100	2788	2789	2790
RY	967	967	966	964	964	966	966	966

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP315 TO CP334

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.3

NSTPS	–	–1	0
RS	~~5~~ 11	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.06	.06	.06	4370	.0046

$$= \frac{972 - 952}{4370}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1130	2070	2208	2209	2210
RY	963	963	963	962	962	963	963	963

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP316 TO CP334

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 3.10

	NSTPS	–	–1	0
RS	4	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.060	.03	.06	3280	.0030

$$= \frac{962 - 952}{3280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1360	1570	1590	1780	2070	2280	2400
RY	966	960.5	961	960	960	962	964	965

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/21/91

ROUTING PARAMETERS

CP317 TO CP336 section as CP335 → CP336

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 3.2

NSTPS	–	-1	0
RS	~~14~~ 13	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.04	.02	.04	12170	.0032

$$= \frac{969 - 930}{12170}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1070	1190	1210	1270	1290	1410	1450
RY	944	942	940	938	938	940	942	943

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/21/91

ROUTING PARAMETERS

CP318 TO CP332

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1 ft/sec

Actual vel = 1.5

	NSTPS	–	-1	0
RS	~~6~~ 4	–	-1	0

	Nleft	Nchan	Nright	length	Slope
RC	.03	.03	.03	2000	.0029

$= \frac{963 - 957.72}{2000}$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1061	1280	1440	2180	2420	2469	2470
RY	1063	1063	1062	1061	1061	1062	1063	1063

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/21/91

ROUTING PARAMETERS

CP319 TO CP337 as CP 318 → 337

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = 1.4

NSTPS	–	-1	0
RS	~~10~~ 6	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.03	.03	.03	2400	.0027

$$= \frac{9583 - 9574}{2400}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1280	1440	2180	2420	2469	2470
RY	1063	1063	1062	1061	1061	1062	1063	1063

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP 320 TO CP 338 A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = No Flow

	NSTPS	–	–1	0
RS	7	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.03	.03	.03	6240	.0035

$$= \frac{969 - 947}{6240}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1030	1150	1240	1600	1720	1999	2000
RY	1055	1048	1046	1045	1045	1046	1047	1047

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP320 TO RCP338

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$\frac{10000}{6 \times 300} = 5.6$

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel. } \times \text{Time Interval}}$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.3

	NSTPS			
RS	610	—	-1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	10000	.0033

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	956	956	956	942	942	956	956	956

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/18/91

ROUTING PARAMETERS

CP321 TO CP322

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 3.3

	NSTPS	–	–1	0
RS	~~3~~4	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.035	.035	3900	.0064

$$= \frac{1000 - 975}{3900}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1260	1570	1600	1618	1619	1620
RY	995	995	994	992	992	993	993	993.5

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP322 TO CP339

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 5.2

	NSTPS	–	-1	0
RS	A3	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.035	.035	.075	5280	.0081

$$= \frac{974 - 931}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1015	1070	1790	2099	2100
RY	970	969	969	968	968	970	971	971

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/21/91

ROUTING PARAMETERS

CP323 TO CP321

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .93

NSTPS		–	-1	0
RS	~~89~~ 9	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.025	.025	.025	2500	.0008

$$= \frac{1001.5 - 999.5}{2500}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1260	1410	1660	1730
RY	1001	1001	1001	1000	1000	1002	1004	1006

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/21/91

ROUTING PARAMETERS

CP323 TO CP324

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 1.45

	NSTPS	–	-1	0
RS	~~3~~ 9	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	3900	.0085

$$= \frac{1000 - 967}{3900}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1100	2055	2060	2069	2070
RY	991.5	991	991	990	990	992	993	993

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/7/91

ROUTING PARAMETERS

CP324 TO CP340

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 3.1

NSTPS			-1	0
RS	46		-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.075	5280	.0078

$$= \frac{967-926}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1030	1045	1770	2099	2100
RY	933	933	933	932	932	934	935	935

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP325 TO CP342

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 3.6

	NSTPS	–	–1	0
RS	45	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.075	5280	.0074

$$= \frac{956 - 917}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1040	1090	1800	1999	2000
RY	950	949	949	948	948	950	951	951

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP325A TO CP341

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = .95

	NSTPS	—	-1	0
RS	4/19	—	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	5300	.0072

$$= \frac{959 - 921}{5300}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1060	2010	2310	2345	2350
RY	953	953	953	952	952	954	955	955

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP326 TO CP342A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 2.3

	NSTPS	–	-1	0
RS	4/8	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.075	5280	.0068

$$= \frac{949 - 913}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1015	1100	1950	2219	2220
RY	934	933	933	932	932	934	935	935

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP327 TO CP343

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 5.8

	NSTPS	—	-1	0
RS	~~4~~ 3	—	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.02	.02	.05	5280	.0061

$$= \frac{941 - 909}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1015	1020	1035	1045	1410	1820
RY	931	931	930	928	928	930	932	933

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/7/91

ROUTING PARAMETERS

CP328 TO CP344

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 3.0

	NSTPS	–	-1	0
RS	7	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.06	.035	.075	6240	.0053

$$= \frac{942909}{6240}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1265	1270	1290	1400	1700	2150
RY	933	933	932	930	930	931	930	933

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/7/91

ROUTING PARAMETERS

CP329 TO CP345

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 5.7

	NSTPS	–	-1	0
RS	~~4~~ 3	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.02	.02	.04	5280	.0066

$$= \frac{938 - 903}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1035	1040	1130	1720
RY	931	931	931	930	930	931	930	932

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP330 TO CP346A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 2.6

	NSTPS	–	–1	0
RS	~~6~~ 7	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.075	5280	.0045

$$= \frac{937 - 913}{5280}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1040	1250	1560	1730	1780
RY	927	927	927	926	926	928	930	931

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/7/91

ROUTING PARAMETERS

CP331 TO CP347

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.9

	NSTPS	–	–1	0
RS	~~8~~ 13	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.035	.035	7490	.0039

$$= \frac{937 - 908}{7490}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1100	1510	2015	2100	2108	2109	2110
RY	1035	1034	1032	1030	1030	1031	1031	1031

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP332 TO CP347

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 1.0

	NSTPS	–	-1	0
RS	~~5~~ 19	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.06	.075	5770	.0062

$$= \frac{944 - 908}{5770}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1070	1300	2000	2150	2169	2170
RY	942	942	940	938	938	940	942	942

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP333 TO CP348A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.1

	NSTPS	–	–1	0
RS	~~3~~ 8	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.06	.04	.06	2700	.0048

$$= \frac{951 - 938}{2700}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1005	1600	2210	2560	2900	3020
RY	947	947	946	944	944	946	948	949

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP334 TO CP335

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 5.7

	NSTPS	–	–1	0
RS	~~4~~ 2	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.04	.02	.04	3450	.0035

$$= \frac{952 - 940}{3450}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1380	1430	1450	1465	1470	1540	2040
RY	1054	1050	1051	1050	1050	1051	1050	1054

Form 200

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/10/91

ROUTING PARAMETERS

CP335 TO CP336

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min. = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 5.1

	NSTPS	–	-1	0	
RS	~~8~~ 3	–	-1	0	

	N left	N chan	N right	Length	Slope
RC	.04	.02	.04	4520	.0022

$$= \frac{940 - 930}{4520}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1070	1170	1210	1270	1290	1410	1450
RY	944	942	940	938	938	940	942	943

Form 200

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/11/91

ROUTING PARAMETERS

CP336 ATO CP364A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 6.6

NSTPS	–	–1	0
RS	~~52~~ –	–1	0

$$= \frac{930 - 915}{4210}$$

	N left	N chan	N right	Length	Slope
RC	.03	.02	.03	4210	.0056

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1020	1025	1030	1070	1100	1180	1310
RY	1030.5	1030	1028	1026	1026	1028.5	1027	1030.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/30/91

ROUTING PARAMETERS

CP336B TO CP364A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.5

	NSTPS	–	-1	0
RS	~~1~~ 3	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.025	.025	.025	1250	.0048

$$= \frac{922-916}{1250}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1015	1030	1340	1380	1430	1510
RY	921	921	920	918	918	921	919	920

Form 200

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP337 TO CP336

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = No Flow

	NSTPS	–	-1	0
RS	11	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.03	.03	.03	9830	.0034

$$= \frac{963 - 930}{9830}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1080	1180	1240	1660	1770	1810	1830
RY	1057	1056	1054	1052	1052	1054	1056	1057

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COMPUTATION DATA SHEET

Subject WHITE TANKS/AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

PIPE ROUTE

CP 337 TO CP 367

METHOD USED: KINEMATIC ROUTING

DATA

SIZE – 96" SD Length = 8500 ft

Slope – .0013

Manning n = .012

RK 8500 .0013 .012 CIRC 8

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP338 TO RCP367

METHOD USED: NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel. x Time Interval}} \quad \frac{2800}{6 \times 300} = 1.6$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.5

	NSTPS			
RS	~~2~~ 3	—	— 1	0

	N LEFT	N CHAN.	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	2800	.0041

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	946	946	946	928	928	946	946	946

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP338A TO CP 338

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 3.2

	NSTPS	–	-1	0
RS	4	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.05	.03	.05	3900	.0038

$$= \frac{946 - 933}{3900}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1050	1001	1030	1040	1170	1185	1195	1260
RY	947	947	940	936	936	940	942	944

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP339 TO CP349

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 3

	NSTPS	–	–1	0
RS	7	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.075	6550	.00053

$$= \frac{931 - 896}{6550}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1040	1820	2049	2050
RY	907.5	907	907	906	906	908	909	909

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP340 TO CP351

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 2.8

	NSTPS	–	–1	0
RS	45	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.03	.075	4320	.0067

$$= \frac{926-896}{4370}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1105	1110	1120	1780	2179	2180
RY	911	911	910	909	909	910	911	911

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/23/91

ROUTING PARAMETERS

CP341 TO CP353

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 1.0

	NSTPS	–	-1	0
RS	613	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	3910	.00064

$$= \frac{923 - 898}{3910}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1150	2350	2398	2399	2400
RY	913	913	913	912	912	913	913	913

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP342 TO CP353

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 4.1

	NSTPS	–	-1	0
RS	2	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.03	.03	.075	2850	.0067

$$= \frac{917 - 838}{2850}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1040	1280	1640	2100
RY	902	901	901	900	900	902	904	906

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP342 ATO CP354

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 410 ft/sec

Actual vel = 1.8

	NSTPS			
RS	15	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.05	.05	.075	2960	.0061

$$= \frac{913 - 895}{2960}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1010	1420	1878	1879	1880
RY	909	909	909	908	908	910	910	910

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP 343 TO CP 356

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = ft/sec

Actual vel = 2.7

	NSTPS	–	–1	0
RS	23	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.07	.035	.07	2100	.0048

$$= \frac{909 - 899}{2100}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1670	2250	2265	2400	2818	2819	2820
RY	1003	1002	1003	1002	1002	1003	1003	1003

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP345 TO CP357

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.0

NSTPS	–	-1	0
RS	14	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.07	.07	.07	1300	.0031

$$= \frac{902 - 898}{1300}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	2100	2238	2239	2240
RY	901	901	901	900	900	901	901	901

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP346 TO CP359

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = ft/sec

Actual vel = .77

	NSTPS	–	-1	0
RS	X6	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.07	.07	.07	1300	.0031

$$= \frac{902-898}{1300}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1300	2170	2198	2199	2200
RY	902	902	902	900	900	901	901	901

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP346A TO CP347

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .58

	NSTPS	–	–1	0
RS	~~12~~ 20	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.035	.035	3500	.0009

$$= \frac{913 - 908}{3500}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1520	2090	2210	2228	2229	2230
RY	914	914	912	910	910	911	911	911

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/30/91

ROUTING PARAMETERS

CP346A TO CP346C

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.25

	NSTPS			
RS	68	–	–1	0
				0

	N left	N chan	N right	Length	Slope
RC	.07	.07	.07	3120	.0026

$$= \frac{916 - 908}{3120}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1050	1510	1560	1840	2090
RY	915.5	915	915	914	914	915	913	916

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/30/91

ROUTING PARAMETERS

CP346B TO CP359

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.9

NSTPS	—	-1	0	
RS	35	—	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.07	2600	.0038

$$= \frac{908 - 898}{2600}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1310	2038	2039	2040
RY	904	903	903	901.5	901.5	904	904	904

Form 200

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 2/22/91

ROUTING PARAMETERS

CP346B TO CP360

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.1

	NSTPS	–	–1	0
RS	~~875~~	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	4990	.0028

$$= \frac{908 - 894}{4990}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1025	1035	1120	1250	1520	1650
RY	903	903	902	900	900	902	904	905

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP347 TO CP362

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.03

	NSTPS	–	–1	0
RS	~~49~~	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	2650	.0026

$$= \frac{906 - 899}{2650}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1300	2040	2628	2629	2630
RY	903	903	903	902	902	904	904	904

The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/30/91

ROUTING PARAMETERS

CP348 TO CP347

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = No Flow

	NSTPS	–	-1	0
RS	7	–	-1	0

	Nleft	Nchan	Nright	Length	Slope	= .50/2000
RC	.035	.035	.07	2000	.0003	

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1130	1260	1500	1919	1920
RY	911.8	911.8	911.8	908.8	908.8	910	912	912

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP348 TO CP363

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = .71

	NSTPS	—	-1	0
RS	~~2~~ 8	—	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.06	.075	1600	.0025

$$= \frac{908 - 904}{1600}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1040	1200	2040	2180	2239	2240
RY	907	907	906	905	905	906	907	907

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/11/91

ROUTING PARAMETERS

CP348A TO CP348B

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 4.0 ft/sec

Actual vel = 3.4

	NSTPS	–	–1	0
RS	~~3~~ 4	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.03	.03	.075	4050	.0077

$$= \frac{938 - 908}{3900}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1005	1010	1040	1100	1370	1450	1470
RY	1032.5	1032.5	1032	1030	1030	1032	1034	1034.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/30/91

ROUTING PARAMETERS

CP348B TO CP363

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.0

	NSTPS			
RS	~~5~~ 10	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.06	.075	3100	.0024

$$= \frac{914 - 905}{3100}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1040	1200	2040	2180	2239	2240
RY	907	907	906	905	905	906	907	907

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP349 TO CP350

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.6

	NSTPS	–	-1	0
RS	56	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.050	.075	2960	.0024

$$= \frac{896-889}{2960}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1100	1500	1620	1669	1670
RY	890.5	890	890	889	889	890	890	890.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/24/91

ROUTING PARAMETERS

CP350 TO CP371

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 2.0

	NSTPS			
RS	67	–	–1	0
				0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.035	.035	4400	.0037

$$= \frac{888 - 863}{4400}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1160	2700	2900	2917	2918	2920
RY	881	881	880	878	878	879	879	879

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP351 TO CP352A

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = 1.4

	NSTPS	–	–1	0
RS	~~14~~ 10	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.05	.075	4210	.0010

$$= \frac{894-890}{4210}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1010	1030	1050	1300	1650	1800
RY	1093	1093	1092	1090	1090	1092	1094	1095

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP352 TO CP372

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.0

NSTPS	—	-1	0
RS	~~17~~34	—	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	10300	.0022

$$= \frac{890 - 867}{10300}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	2060	2238	2239	2240
RY	1073	1073	1073	1072	1072	1073	1073	1073

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 2/21 /91

ROUTING PARAMETERS

CP352A TO CP350 section as from CP349 → CP350

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1 ft/sec

Actual vel = .30

	NSTPS	–	-1	0
RS	~~18~~ 60	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.07	.07	.07	5400	.0004

$$= \frac{890 - 888}{5400}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1100	1500	1620	1669	1670
RY	890.5	890	890	889	889	890	890	890.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/23/91

ROUTING PARAMETERS

CP352A TO CP372

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 3.0 ft/sec

Actual vel = 1.1

	NSTPS	–	–1	0
RS	817	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	5460	.0042

$$= \frac{890 - 867}{5460}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1260	1950	1988	1989	1990
RY	875	875	875	874	874	875	875	875

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP353 TO CP352

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.9

	NSTPS	–	–1	0
RS	5	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.05	.075	3120	.0019

$$= \frac{898 - 892}{3120}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1030	1440	1520	1619	1620
RY	895	895	895	892	892	894	895	895

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP354 TO CP355 sec. as for CP356 → 355

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .58

NSTPS	—	-1	0
RS	610	—	-1	0

	N left	N chan	N right	Length	Slope
RC	.07	.07	.07	1700	.0009

$$= \frac{1.50}{1700}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1040	2290	2348	2349	2350
RY	895.5	895	895	894	894	895	895	895.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP355 TO CP373

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .90

	NSTPS	–	-1	0
RS	812	–	-1	0

	Ndeft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	3120	.0022

$$= \frac{890 - 883}{3120}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1020	1240	2190	2500	2639	2640
RY	887	887	886	885	885	886	887	887

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP355ATO CP373

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = No Flow

	NSTPS	–	–1	0
RS	6	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	3590	.0025

$$= \frac{892 - 883}{3590}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1100	1570	1588	1589	1590
RY	889	889	889	888	888	889	889	889

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP356 TO CP355

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .84

	NSTPS			
RS	~~45~~	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	1300	.00015

$$\text{Slope} = \frac{2}{1300}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1040	2290	2348	2349	2350
RY	895	895	895	894	894	895	895	895

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP 357 + 359 TO CP 360

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .59

	NSTPS	–	-1	0
RS	710	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	1790	.0022

$$= \frac{898 - 894}{1790}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1220	2380	2758	2759	2760
RY	897	897	897	896	896	897	897	897

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP358 TO CP355 sec. as for CP356 → 355

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .52

	NSTPS			
RS	13	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	550	.0009

$= \frac{.50}{550}$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1040	2290	2348	2349	2350
RY	895	895	895	894	894	895	895	895

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP360 TO CP358

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .72

	NSTPS	–	–1	0
RS	~~14~~ 19	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	4060	.0007

$= \frac{3}{4060}$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	1420	1580	1979	1980
RY	896	896	896	894	894	896	898	898

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP361 TO CP377

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = No Flow

	NSTPS	–	-1	0
RS	7	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	2150	.0005

$$= \frac{896 - 895}{2150}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1070	2070	2080	2099	2100
RY	895	895	895	894	894	896	897	897

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP362 TO CP378

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.03

	NSTPS			
RS	~~11~~ 20	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	6400	.0017

$$= \frac{901 - 890}{6400}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1200	2950	2978	2979	2980
RY	897	897	897	896	896	897	897	897

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/ 7 /91

ROUTING PARAMETERS

CP363 TO CP362

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.1

	NSTPS	–	-1	0
RS	~~6~~ 10	–	-1	0

	N left	N chan	N right	Length	Slope	$= \frac{904 - 899}{3350}$
RC	.075	.075	.075	3350	.0015	

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1300	2040	2628	2629	2630
RY	904	903	903	902	902	904	904	904

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP364 TO CP363

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.2

	NSTPS	–	–1	0
RS	~~10~~ 16	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.06	.075	5770	.0016

$$= \frac{913 - 904}{5770}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1040	1200	2040	2180	2239	2240
RY	907	907	906	905	905	906	907	907

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 364 TO RCP 378

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel. x Time Interval}} = \frac{14200}{6 \times 300} = 7.9$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 7.9

	NSTPS			
RS	~~8~~ 16	—	—1	0

	N LEFT	N CHAN.	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	14200	.0025

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	910	910	910	890	890	910	910	910

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP364A TO CP364

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 2.4

	NSTPS	–	-1	0
RS	~~6~~ 5	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.035	.035	3400	.0015

$$= \frac{915 - 910}{3400}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1270	1800	2070	2088	2089	2090
RY	917	917	916	914	914	915	915	917

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP364 ATO CP363

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.1

NSTPS	–	–1	0
RS	~~9~~17	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.06	.075	5460	.0020

$= \frac{915-904}{5460}$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1040	1200	2040	2180	2239	2240
RY	907	907	906	905	905	906	907	907

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/14/91

ROUTING PARAMETERS

CP365 TO CP364

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .90

	NSTPS	–	–1	0
RS	~~12~~ 26	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.035	.035	.075	7020	.0017

$$= \frac{922 - 910}{7020}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1015	1140	1560	1700	2009	2010
RY	915	915	914	918.5	918.5	914	915	915

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP366 TO CP368

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .50

NSTPS	—	-1	0
RS	~~10~~ 40	—	-1	0

	Nleft	Nchan	Nright	length	Slope
RC	.075	.075	.075	6080	.0025

$$= \frac{929 - 914}{6080}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1040	1300	2340	2650	2699	2700
RY	923	923	922	921	921	922	923	923

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 367 TO RCP 370

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel. x Time Interval}} = \frac{5900}{6 \times 300} = 3.3$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 2.9

	NSTPS			
RS	3/7	—	—1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	5900	.0022

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	932	932	932	920	920	932	932	932

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 368 TO RCP 364

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} = \frac{5700}{6 \times 300} = 32$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.0

	NSTPS			
RS	36	—	—1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	5700	.0025

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2083
RY	902	902	902	890	890	902	902	902

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 369 TO RCP 368

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel. x Time Interval}} = \frac{2300}{6 \times 300} = 1.3$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.0

	NSTPS			
RS	13	—	—1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	2300	.0025

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	914	914	914	900	900	914	914	914

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The WLB Group Inc. WLB

COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP370 TO RCP369

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} = \frac{7000}{6 \times 300} = 3.9$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.04

	NSTPS			
RS	~~4.0~~ 8	—	—1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	7000	.0025

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	916	916	916	900	900	916	916	916

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP371 TO CP379

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .57

	NSTPS	–	-1	0
RS	~~12~~21	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	3600	.00006

$$= \frac{863 - 861}{3600}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1280	2080	2348	2349	2350
RY	862	862	862	860.5	860.5	861	861	861

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP372 TO CP382

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .50

	NSTPS	–	-1	0
RS	X5	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	750	.0013

$$= \frac{868 - 867}{750}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1060	1061	1240	1350	1680	1778	1779	1780
RY	1068.5	1068.5	1068	1067	1067	1067.5	1067.5	1067.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/23/91

ROUTING PARAMETERS

CP372 TO CP371

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average Velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .66

NSTPS	–	-1	0
RS	~~18~~ 27	–	-1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	5300	.0009

$$= \frac{868 - 863}{5300}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1020	1200	1870	2020	2169	2170
RY	865	865	864	863	863	864	865	865

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP372 TO CP379

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = 1.0

	NSTPS	–	–1	0
RS	25	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	7490	.0009

$$= \frac{868-861}{7490}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1280	2080	2348	2349	2350
RY	862	862	862	860.5	860.5	861	861	861

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/24/91

ROUTING PARAMETERS

CP373 TO CP374

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .81

	NSTPS	–	–1	0
RS	713	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	3900	.0013

$$= \frac{882-877}{3900}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1060	1180	1660	1840	2099	2100
RY	881	881	880	879	879	880	881	881

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Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP374 TO CP372

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = 1.30

	NSTPS	–	–1	0
RS	~~15~~ 25	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	10300	.0011

$$= \frac{872 - 867}{8890}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1020	2060	2238	2239	2240
RY	1073.5	1073	1073	1072	1072	1073	1073	1073.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AQUAD Date 1/24/91

ROUTING PARAMETERS

CP375 TO CP374 sec. as from CP 376 → 374

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .51

NSTPS	–	–1	0
RS	~~10~~ 39	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	5930	.0017

$$= \frac{887 - 877}{5930}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1170	2040	2298	2299	2300
RY	884	884	884	883	883	884	884	884

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/24/91

ROUTING PARAMETERS

CP376 TO CP374

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .56

	NSTPS			
RS	~~0~~32	–	–1	0

	Ndeft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	5460	.0016

$$= \frac{886 - 877}{5460}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1170	2040	2298	2299	2300
RY	884	884	884	883	883	884	884	884

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP377 TO CP377B

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = No Flow

	NSTPS	–	–1	0
RS	19	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	5620	.0009

$$= \frac{895-890}{5620}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1050	1740	1758	1759	1760
RY	1095.5	1095	1095	1094	1094	1095	1095	1095.5

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 377A TO RCP 377B

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} \qquad \frac{4800}{6 \times 300} = 2.7$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.2

	NSTPS			
RS	35	—	—1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	4800	.002

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	896	896	896	875	875	896	896	896

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP3778 TO RCP387

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} \qquad \frac{9200}{6 \times 300} = 5.1$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.1

	NSTPS			
RS	8/10	—	—1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	9200	.0020

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	878	878	878	868	868	878	878	878

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 378 TO RCP 377A

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} = \frac{2500}{6 \times 300} = 1.4$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.2

	NSTPS				
RS	X 3	—	-1	0	
	N LEFT	N CHAN.	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	2500	.0020

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	892	892	892	878	878	892	892	892

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP 375 TO CP 380

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel =

	NSTPS			
RS	3	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	1750	.0017

$$= \frac{864 - 861}{1750}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1240	2120	2358	2359	2360
RY	1064	1064	1064	1062.5	1062.5	1063	1063	1063

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP381 TO CP380

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .30

	NSTPS			
		–	–1	0
RS	638	–	–1	0

	Nleft	Nchan	Nright	Length	Slope
RC	.075	.075	.075	3430	.0015

$$= \frac{866 - 861}{3430}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1240	2120	2358	2359	2360
RY	1064	1064	1064	1062.5	1062.5	1063	1063	1063

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP381A TO CP379

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = No Flow

	NSTPS	–	-1	0
RS	19	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	5620	.0011

$$= \frac{867 - 861}{5620}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1280	2080	2348	2349	2350
RY	862	862	862	860.5	860.5	861	861	861

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 381B TO RCP 380

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTAS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel. x Time Interval}} \qquad \frac{2600}{6 \times 300} = 1.4$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.1

	NSTPS			
RS	13	—	—1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	2600	.002

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	864	864	864	850	850	864	864	864

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP382 TO CP379

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 1.0 ft/sec

Actual vel = .4

	NSTPS	–	-1	0
RS	2459	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	7170	.00008

$$= \frac{867 - 861}{7170}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1280	2080	2348	2349	2350
RY	862	862	862	860.5	860.5	861	861	861

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 383 TO RCP 381B

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} \qquad \frac{2700}{6 \times 300} = 1.5$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.1

	NSTPS			
RS	~~2~~ 3	—	— 1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	2700	.002

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1012	2042	2082	2083	2084
RY	866	866	866	854	854	866	866	866

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP383A TO RCP383

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel. x Time Interval}} = \frac{3700}{6 \times 30} = 2.0$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.1

	NSTPS			
RS	~~2~~4	—	—1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	3700	.0020

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	873	873	873	860	860	873	873	873

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP384 TO CP372

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .50

	NSTPS	–	-1	0
RS	~~9~~ 36	–	-1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	5460	.0018

$$= \frac{974 - 867}{5460}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1010	1025	1980	2188	2189	2190
RY	1075	1075	1074	1072	1072	1073	1073	1073

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by G. AOUAD Date 1/23/91

ROUTING PARAMETERS

CP385 TO CP384

METHOD USED: NORMAL DEPTH

CROSS-SECTION DATA:

$$NSTPS = \frac{\text{Reach Length}}{\text{Average velocity} \times \text{Time Interval}}$$

Time Interval = 5 min = 300 sec

Assume V_{av} = 2.0 ft/sec

Actual vel = .49

	NSTPS	–	–1	0
RS	~~5~~ 20	–	–1	0

	N left	N chan	N right	Length	Slope
RC	.075	.075	.075	2960	.0014

$$= \frac{878 - 874}{2960}$$

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1050	2100	2228	2229	2230
RY	1078	1078	1078	1076	1076	1077	1077	1077

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 386 TO RCP 383A

METHOD USED: NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} \qquad \frac{1800}{6 \times 300} = 1$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.3

	NSTPS			
RS	12	—	-1	0

	N LEFT	N CHAN.	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	1800	.0025

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	870	870	870	860	860	870	870	870

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COMPUTATION DATA SHEET

Subject WHITE TANKS / AGUA FRIA ADMS Prepared by JSE Date 2-21-91

ROUTING PARAMETERS

RIVER ROUTE

RCP 387 TO RCP 386

METHOD USED : NORMAL DEPTH

CROSS SECTION DATA

$$NSTPS = \frac{\text{REACH LENGTH}}{\text{Avg. Vel.} \times \text{Time Interval}} \qquad \frac{2800}{6 \times 300} = 1.6$$

Time Interval = 5 min Assumed Vel = 6 ft/sec

Actual Vel. = 3.4

	NSTPS			
RS	23	—	—1	0

	N LEFT	N CHAN	N RIGHT	LENGTH	SLOPE
RC	.035	.035	.035	2800	.0025

	LOB	LOB	LB	CH	CH	RB	ROB	ROB
RX	1000	1001	1002	1042	2042	2082	2083	2084
RY	872	872	872	860	860	872	872	872

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