

REGIONAL STORMWATER MASTER PLAN

JANUARY 1992

SUPPLEMENT

Prepared for

**South Texas Water Authority
City of Corpus Christi
Nueces County, Texas**

Prepared by

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**SOUTH TEXAS WATER AUTHORITY
REGIONAL STORMWATER MASTER PLAN**

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SUPPLEMENT

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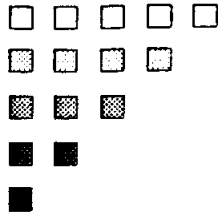
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MEMO



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TO: Joe Pantalion
FROM: Jon Spangenberg
SUBJECT: Data entry templates for land use & soil data
DATE: 7/18/91

Please find enclosed a diskette containing the templates that I put together for the land use and soil data. To avoid confusion, I have explained the purpose of each file below. Keep in mind that all of this data ties to stormwater areas, which, I believe, Archie Walker was going to digitize. Those areas should be loaded into the database (from Map Manager) before you load any of these data files.

LU.WK1

This file is for entering the land use distribution in each stormwater area for each scenario. Stormwater area type will always be "SA" and stormwater area symbol will always be "SWAR". If you have data for only one scenario, then you can copy that scenario ID down for all records. All columns in this template are mandatory.

SOIL.WK1

This file is for entering the soil distribution in each stormwater area for each scenario. Stormwater area type will always be "SA" and stormwater area symbol will always be "SWAR". If you have data for only one scenario, then you can copy that scenario ID down for all records. All columns in this template are mandatory.

AGG.WK1

This file is for entering the runoff coefficients for each stormwater area by scenario. If you have data for only one scenario, this file becomes very flat (i.e. only one record for each stormwater area). In that case you may want to dump out your stormwater area data from the database (to get your type-ID-symbol list), load it into this file, add the scenario ID and copy it down, and add the runoff coefficient data. Stormwater area type will always be "SA" and stormwater area symbol will always be "SWAR". All columns in this template are mandatory.

ALLOC.WK1

This file is for entering the allocation of stormwater areas to outfalls. If all of your stormwater areas are tributary to only one unique outfall with exactly the same ID as the outfall, then this file also becomes very flat (i.e. only one record for each stormwater area). In that case, you may want to dump out your stormwater area data from the database (to get your type-ID-symbol list), load it into this file, copy the stormwater area ID column to the outfall ID column, and simply copy "100" all the way down for percent. Stormwater area type will always be "SA" and stormwater area symbol will always be "SWAR". Outfall type will always be "OF" and outfall symbol will always be "OUTF". All columns in this template are mandatory.

ATTACHMENT A
REGIONAL STORMWATER MASTER PLAN
DATABASE INPUT TEMPLATES

Disk Contents: OUTFALL.WK1
 SAMPLE.WK1

OUTFALL.WK1 - Contains outfall attributes data:

<u>Input¹</u>	<u>Field Formats²</u>	<u>Description or Default</u>
Facility Type	X(2)	OF (same for all)
Facility ID	X(16)	(Outfall Site ID)
Symbol	X(4)	OUTF (same for all)
Inspection Date	99/99/9999	
Condition	X(8)	
Material	X(8)	
Shape Code	X(2)	C
Height (ft)	->>9.99	(use one decimal place)
Width (ft)	->>9.99	(use one decimal place)
Flow Area	>>>9.<	(use one decimal place)
Left Slope	>>9.<<	(use one decimal place)
Right Slope	>>9.<<	(use one decimal place)
Remark 1	X(68)	
Remark 2	X(68)	
Remark 3	X(68)	

NOTE: ¹ Input should be entered by row (across the spreadsheet as shown in template file).

² The following are descriptions of the field formats found in the data templates:

<u>Format</u>	<u>Description</u>	<u>If No Data Input:</u>
xx	two characters (all mandatory)	""
x(n)	up to n characters (none mandatory)	""
99/99/9999	basic numeric date format	?
->>9.99	-999.99 <= decimal value <= (none mandatory)	?
>>>9.<	.0 <= decimal value <= 9999 (none mandatory, leftmost digit supersedes rightmost), 5 digit maximum, including decimal point	?

Though some formats indicate "none mandatory", there must always be some value entered in each spreadsheet column, even if that value is just a place holder. Otherwise, the wrong data will get loaded into the wrong fields. Character place holders are "", and numeric place holders are ?. Fields that must have actual data (i.e. not just place holders) have been "unprotected" in the spreadsheet template.

SAMPLE.WK1 - Contains visual observation data:

Spreadsheet Row	Input ³	Field Formats	Default
1st	Marker	X(1)	S
1st	Sample Number	X(14)	Note ⁴
1st	Facility Type	X(2)	OF
1st	Outfall Site ID	X(8)	
1st	Sample Date	99/99/9999	
1st	Analysis Date	99/99/9999	
1st	Event ID	X(12)	DWF = Dry Weather Flows
2nd	Marker	X(1)	R
2nd	Debris	X(14)	Debris
2nd	Result	9	0 = No; 1 = Yes
2nd	Units	X(3)	LOG
3rd	Marker	X(1)	R
3rd	Silt Depth	X(14)	SILT DEPTH
3rd	Result	9	0 = None; 1 = 1/2; 2 = 2/4; 3 = 3/4; 4 = full
3rd	Units	X(3)	SD
	.	.	.
	.	.	.
	.	.	.
12th	Marker	X(1)	R
12th	Land Use	X(14)	Land Use
12th	Result	9	1 = undeveloped; 2 = agricultural; 3 = industrial 4 = residential; 5 = commercial
12th	Units	X(2)	LU
13th	Marker	X(1)	R
13th	Flow Depth	X(14)	Flow Depth
13th	Result	->>9.99	(use one decimal place)
13th	Unit	X(2)	FT

<u>Spreadsheet Row</u>	<u>Input³</u>	<u>Field Formats</u>	<u>Default</u>
14th	Marker	X(1)	R
14th	Velocity	X(14)	Velocity
14th	Result	->>9.99	(use one decimal place)
14th	Units	X(3)	FPS

For simplicity, an example outfall data set has been input for an outfall. To edit this data set, hit F2 on the keyboard while cursor is in desired cell, then edit as appropriate. For yes-no (logical inputs), 1 = yes, 0 = no (i.e. presence or absence of debris). Data set range will need to be copied several times and individual files may be needed for each receiving water due to RAM/disk capacity.

NOTE: ³ Input should be entered by column (down spreadsheet as shown in template file).

⁴ This field is optional for dry weather screening. Field will contain laboratory sample ID numbers in the future for wet weather results. Input "", do not leave blank.

REGIONAL STORMWATER MASTER PLAN DATA

TYPE	STORMWATER SYMBOL	SCENARIO ID	MIN. COEFF.	MAX. COEFF.	AVG. COEFF.	
XX	X(16)	X(4)	X(8)	10.0	10.0	10.0
SA	EXAMPLE	SWAR	EXIST	0.31	0.51	0.41
SA	EXAMPLE	SWAR	MID	0.30	0.50	0.40
SA	EXAMPLE	SWAR	ULT	0.36	0.55	0.91
SA	CB06.37L	SWAR	EXIST	0.31	0.51	0.41
SA	CB06.37L	SWAR	MID	0.30	0.50	0.40
SA	CB06.37L	SWAR	ULT	0.36	0.55	0.91
SA	CB06.59L	SWAR	EXIST	0.31	0.51	0.41
SA	CB06.59L	SWAR	MID	0.30	0.50	0.40
SA	CB06.59L	SWAR	ULT	0.36	0.55	0.91
SA	CB06.76L	SWAR	EXIST	0.31	0.51	0.41
SA	CB06.76L	SWAR	MID	0.30	0.50	0.40
SA	CB06.76L	SWAR	ULT	0.36	0.55	0.91
SA	CB06.86L	SWAR	EXIST	0.31	0.51	0.41
SA	CB06.86L	SWAR	MID	0.30	0.50	0.40
SA	CB06.86L	SWAR	ULT	0.36	0.55	0.91
SA	CB06.99L	SWAR	EXIST	0.31	0.51	0.41
SA	CB06.99L	SWAR	MID	0.30	0.50	0.40
SA	CB06.99L	SWAR	ULT	0.36	0.55	0.91
SA	CB07.08L	SWAR	EXIST	0.31	0.51	0.41
SA	CB07.08L	SWAR	MID	0.30	0.50	0.40
SA	CB07.08L	SWAR	ULT	0.36	0.55	0.91
SA	CB07.28L	SWAR	EXIST	0.31	0.51	0.41
SA	CB07.28L	SWAR	MID	0.30	0.50	0.40
SA	CB07.28L	SWAR	ULT	0.36	0.55	0.91
SA	CB07.34L	SWAR	EXIST	0.31	0.51	0.41
SA	CB07.34L	SWAR	MID	0.30	0.50	0.40
SA	CB07.34L	SWAR	ULT	0.36	0.55	0.91
SA	CB07.53L	SWAR	EXIST	0.31	0.51	0.41
SA	CB07.53L	SWAR	MID	0.30	0.50	0.40
SA	CB07.53L	SWAR	ULT	0.36	0.55	0.91
SA	CB07.74L	SWAR	EXIST	0.31	0.51	0.41
SA	CB07.74L	SWAR	MID	0.30	0.50	0.40
SA	CB07.74L	SWAR	ULT	0.36	0.55	0.91
SA	CB08.12L	SWAR	EXIST	0.31	0.51	0.41
SA	CB08.12L	SWAR	MID	0.30	0.50	0.40
SA	CB08.12L	SWAR	ULT	0.36	0.55	0.91
SA	CB08.18L	SWAR	EXIST	0.31	0.51	0.41
SA	CB08.18L	SWAR	MID	0.30	0.50	0.40
SA	CB08.18L	SWAR	ULT	0.36	0.55	0.91
SA	CB08.33L	SWAR	EXIST	0.31	0.51	0.41
SA	CB08.33L	SWAR	MID	0.30	0.50	0.40
SA	CB08.33L	SWAR	ULT	0.36	0.55	0.91
SA	CB08.85L	SWAR	EXIST	0.31	0.51	0.41
SA	CB08.85L	SWAR	MID	0.30	0.50	0.40
SA	CB08.85L	SWAR	ULT	0.36	0.55	0.91
SA	CB09.20L	SWAR	EXIST	0.31	0.51	0.41
SA	CB09.20L	SWAR	MID	0.30	0.50	0.40
SA	CB09.20L	SWAR	ULT	0.36	0.55	0.91
SA	CB09.29L	SWAR	EXIST	0.31	0.51	0.41
SA	CB09.29L	SWAR	MID	0.30	0.50	0.40
SA	CB09.29L	SWAR	ULT	0.36	0.55	0.91
SA	CB09.31L	SWAR	EXIST	0.31	0.51	0.41
SA	CB09.31L	SWAR	MID	0.30	0.50	0.40

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SA	CB09.31L	SWAR	ULT	0.36	0.55	0.91
SA	CB09.53L	SWAR	EXIST	0.31	0.51	0.41
SA	CB09.53L	SWAR	MID	0.30	0.50	0.40
SA	CB09.53L	SWAR	ULT	0.36	0.55	0.91
SA	CB09.71L	SWAR	EXIST	0.31	0.51	0.41
SA	CB09.71L	SWAR	MID	0.30	0.50	0.40
SA	CB09.71L	SWAR	ULT	0.36	0.55	0.91
SA	CB09.82L	SWAR	EXIST	0.31	0.51	0.41
SA	CB09.82L	SWAR	MID	0.30	0.50	0.40
SA	CB09.82L	SWAR	ULT	0.36	0.55	0.91
SA	CB09.93L	SWAR	EXIST	0.31	0.51	0.41
SA	CB09.93L	SWAR	MID	0.30	0.50	0.40
SA	CB09.93L	SWAR	ULT	0.36	0.55	0.91
SA	CB10.07L	SWAR	EXIST	0.31	0.51	0.41
SA	CB10.07L	SWAR	MID	0.30	0.50	0.40
SA	CB10.07L	SWAR	ULT	0.36	0.55	0.91
SA	CB10.25L	SWAR	EXIST	0.31	0.51	0.41
SA	CB10.25L	SWAR	MID	0.30	0.50	0.40
SA	CB10.25L	SWAR	ULT	0.36	0.55	0.91
SA	CB10.35L	SWAR	EXIST	0.31	0.51	0.41
SA	CB10.35L	SWAR	MID	0.30	0.50	0.40
SA	CB10.35L	SWAR	ULT	0.36	0.55	0.91
SA	CB10.54L	SWAR	EXIST	0.31	0.51	0.41
SA	CB10.54L	SWAR	MID	0.30	0.50	0.40
SA	CB10.54L	SWAR	ULT	0.36	0.55	0.91
SA	CB10.78L	SWAR	EXIST	0.31	0.51	0.41
SA	CB10.78L	SWAR	MID	0.30	0.50	0.40
SA	CB10.78L	SWAR	ULT	0.36	0.55	0.91
SA	CB10.97L	SWAR	EXIST	0.31	0.51	0.41
SA	CB10.97L	SWAR	MID	0.30	0.50	0.40
SA	CB10.97L	SWAR	ULT	0.36	0.55	0.91
SA	CB11.10L	SWAR	EXIST	0.31	0.51	0.41
SA	CB11.10L	SWAR	MID	0.30	0.50	0.40
SA	CB11.10L	SWAR	ULT	0.36	0.55	0.91
SA	CB11.12L	SWAR	EXIST	0.31	0.51	0.41
SA	CB11.12L	SWAR	MID	0.30	0.50	0.40
SA	CB11.12L	SWAR	ULT	0.36	0.55	0.91
SA	CB11.15L	SWAR	EXIST	0.31	0.51	0.41
SA	CB11.15L	SWAR	MID	0.30	0.50	0.40
SA	CB11.15L	SWAR	ULT	0.36	0.55	0.91
SA	CB11.47L	SWAR	EXIST	0.31	0.51	0.41
SA	CB11.47L	SWAR	MID	0.30	0.50	0.40
SA	CB11.47L	SWAR	ULT	0.36	0.55	0.91
SA	CB11.69L	SWAR	EXIST	0.31	0.51	0.41
SA	CB11.69L	SWAR	MID	0.30	0.50	0.40
SA	CB11.69L	SWAR	ULT	0.36	0.55	0.91
SA	CB11.73L	SWAR	EXIST	0.31	0.51	0.41
SA	CB11.73L	SWAR	MID	0.30	0.50	0.40
SA	CB11.73L	SWAR	ULT	0.36	0.55	0.91
SA	CB11.85	SWAR	EXIST	0.31	0.51	0.41
SA	CB11.85	SWAR	MID	0.30	0.50	0.40
SA	CB11.85	SWAR	ULT	0.36	0.55	0.91
SA	CB12.10L	SWAR	EXIST	0.25	0.45	0.35
SA	CB12.10L	SWAR	MID	0.34	0.44	0.39
SA	CB12.10L	SWAR	ULT	0.49	0.68	0.59
SA	CB12.19L	SWAR	EXIST	0.25	0.45	0.35

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SA	CB12.19L	SWAR	MID	0.34	0.44	0.39
SA	CB12.19L	SWAR	ULT	0.49	0.68	0.59
SA	CB12.35L	SWAR	EXIST	0.25	0.45	0.35
SA	CB12.35L	SWAR	MID	0.34	0.44	0.39
SA	CB12.35L	SWAR	ULT	0.49	0.68	0.59
SA	CB12.38L	SWAR	EXIST	0.25	0.45	0.35
SA	CB12.38L	SWAR	MID	0.34	0.44	0.39
SA	CB12.38L	SWAR	ULT	0.49	0.68	0.59
SA	CB12.43L	SWAR	EXIST	0.25	0.45	0.35
SA	CB12.43L	SWAR	MID	0.34	0.44	0.39
SA	CB12.43L	SWAR	ULT	0.49	0.68	0.59
SA	CB12.72L	SWAR	EXIST	0.25	0.45	0.35
SA	CB12.72L	SWAR	MID	0.34	0.44	0.39
SA	CB12.72L	SWAR	ULT	0.49	0.68	0.59
SA	CB12.88L	SWAR	EXIST	0.25	0.45	0.35
SA	CB12.88L	SWAR	MID	0.34	0.44	0.39
SA	CB12.88L	SWAR	ULT	0.49	0.68	0.59
SA	CB12.99L	SWAR	EXIST	0.25	0.45	0.35
SA	CB12.99L	SWAR	MID	0.34	0.44	0.39
SA	CB12.99L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.05L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.05L	SWAR	MID	0.34	0.44	0.39
SA	CB13.05L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.11L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.11L	SWAR	MID	0.34	0.44	0.39
SA	CB13.11L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.19L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.19L	SWAR	MID	0.34	0.44	0.39
SA	CB13.19L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.29L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.29L	SWAR	MID	0.34	0.44	0.39
SA	CB13.29L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.38L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.38L	SWAR	MID	0.34	0.44	0.39
SA	CB13.38L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.44L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.44L	SWAR	MID	0.34	0.44	0.39
SA	CB13.44L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.50L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.50L	SWAR	MID	0.34	0.44	0.39
SA	CB13.50L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.56L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.56L	SWAR	MID	0.34	0.44	0.39
SA	CB13.56L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.62L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.62L	SWAR	MID	0.34	0.44	0.39
SA	CB13.62L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.68L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.68L	SWAR	MID	0.34	0.44	0.39
SA	CB13.68L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.76L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.76L	SWAR	MID	0.34	0.44	0.39
SA	CB13.76L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.82L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.82L	SWAR	MID	0.34	0.44	0.39
SA	CB13.82L	SWAR	ULT	0.49	0.68	0.59

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SA	CB13.87L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.87L	SWAR	MID	0.34	0.44	0.39
SA	CB13.87L	SWAR	ULT	0.49	0.68	0.59
SA	CB13.93L	SWAR	EXIST	0.25	0.45	0.35
SA	CB13.93L	SWAR	MID	0.34	0.44	0.39
SA	CB13.93L	SWAR	ULT	0.49	0.68	0.59
SA	CB14.00L	SWAR	EXIST	0.25	0.45	0.35
SA	CB14.00L	SWAR	MID	0.34	0.44	0.39
SA	CB14.00L	SWAR	ULT	0.49	0.68	0.59
SA	CB14.06L	SWAR	EXIST	0.25	0.45	0.35
SA	CB14.06L	SWAR	MID	0.34	0.44	0.39
SA	CB14.06L	SWAR	ULT	0.49	0.68	0.59
SA	CB14.20L	SWAR	EXIST	0.25	0.45	0.35
SA	CB14.20L	SWAR	MID	0.34	0.44	0.39
SA	CB14.20L	SWAR	ULT	0.49	0.68	0.59
SA	CB14.24L	SWAR	EXIST	0.25	0.45	0.35
SA	CB14.24L	SWAR	MID	0.34	0.44	0.39
SA	CB14.24L	SWAR	ULT	0.49	0.68	0.59
SA	CB14.32L	SWAR	EXIST	0.25	0.45	0.35
SA	CB14.32L	SWAR	MID	0.34	0.44	0.39
SA	CB14.32L	SWAR	ULT	0.49	0.68	0.59
SA	CB14.44L	SWAR	EXIST	0.25	0.45	0.35
SA	CB14.44L	SWAR	MID	0.34	0.44	0.39
SA	CB14.44L	SWAR	ULT	0.49	0.68	0.59
SA	CB14.48L	SWAR	EXIST	0.47	0.64	0.56
SA	CB14.48L	SWAR	MID	0.46	0.63	0.55
SA	CB14.48L	SWAR	ULT	0.42	0.60	0.51
SA	CB14.60L	SWAR	EXIST	0.47	0.64	0.56
SA	CB14.60L	SWAR	MID	0.46	0.63	0.55
SA	CB14.60L	SWAR	ULT	0.42	0.60	0.51
SA	CB16.53L	SWAR	EXIST	0.31	0.51	0.41
SA	CB16.53L	SWAR	MID	0.30	0.50	0.40
SA	CB16.53L	SWAR	ULT	0.36	0.55	0.49
SA	IH00.70L	SWAR	EXIST	0.29	0.35	0.32
SA	IH00.70L	SWAR	MID	0.43	0.52	0.48
SA	IH00.70L	SWAR	ULT	0.45	0.55	0.50
SA	IH01.40L	SWAR	EXIST	0.29	0.35	0.32
SA	IH01.40L	SWAR	MID	0.43	0.52	0.48
SA	IH01.40L	SWAR	ULT	0.45	0.55	0.50
SA	IH05.09L	SWAR	EXIST	0.29	0.35	0.32
SA	IH05.09L	SWAR	MID	0.43	0.52	0.48
SA	IH05.09L	SWAR	ULT	0.45	0.55	0.50
SA	IH05.47L	SWAR	EXIST	0.29	0.35	0.32
SA	IH05.47L	SWAR	MID	0.43	0.52	0.48
SA	IH05.47L	SWAR	ULT	0.45	0.55	0.50
SA	IH05.66L	SWAR	EXIST	0.29	0.35	0.32
SA	IH05.66L	SWAR	MID	0.43	0.52	0.48
SA	IH05.66L	SWAR	ULT	0.45	0.55	0.50
SA	IH05.85L	SWAR	EXIST	0.29	0.35	0.32
SA	IH05.85L	SWAR	MID	0.43	0.52	0.48
SA	IH05.85L	SWAR	ULT	0.45	0.55	0.50
SA	IH05.90L	SWAR	EXIST	0.29	0.35	0.32
SA	IH05.90L	SWAR	MID	0.43	0.52	0.48
SA	IH05.90L	SWAR	ULT	0.45	0.55	0.50
SA	IH06.04L	SWAR	EXIST	0.29	0.35	0.32
SA	IH06.04L	SWAR	MID	0.43	0.52	0.48

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SA	IH06.04L	SWAR	ULT	0.45	0.55	0.50
SA	IH07.18L	SWAR	EXIST	0.29	0.35	0.32
SA	IH07.18L	SWAR	MID	0.43	0.52	0.48
SA	IH07.18L	SWAR	ULT	0.45	0.55	0.50
SA	IH07.32L	SWAR	EXIST	0.29	0.35	0.32
SA	IH07.32L	SWAR	MID	0.43	0.52	0.48
SA	IH07.32L	SWAR	ULT	0.45	0.55	0.50
SA	IH08.46L	SWAR	EXIST	0.29	0.35	0.32
SA	IH08.46L	SWAR	MID	0.43	0.52	0.48
SA	IH08.46L	SWAR	ULT	0.45	0.55	0.50
SA	IH10.73L	SWAR	EXIST	0.29	0.35	0.32
SA	IH10.73L	SWAR	MID	0.43	0.52	0.48
SA	IH10.73L	SWAR	ULT	0.45	0.55	0.50
SA	IH11.50L	SWAR	EXIST	0.29	0.35	0.32
SA	IH11.50L	SWAR	MID	0.43	0.52	0.48
SA	IH11.50L	SWAR	ULT	0.45	0.55	0.50
SA	IH12.15L	SWAR	EXIST	0.29	0.35	0.32
SA	IH12.15L	SWAR	MID	0.43	0.52	0.48
SA	IH12.15L	SWAR	ULT	0.45	0.55	0.50
SA	IH12.67L	SWAR	EXIST	0.29	0.35	0.32
SA	IH12.67L	SWAR	MID	0.43	0.52	0.48
SA	IH12.67L	SWAR	ULT	0.45	0.55	0.50
SA	IH12.95L	SWAR	EXIST	0.29	0.35	0.32
SA	IH12.95L	SWAR	MID	0.43	0.52	0.48
SA	IH12.95L	SWAR	ULT	0.45	0.55	0.50
SA	IH16.19L	SWAR	EXIST	0.29	0.35	0.32
SA	IH16.19L	SWAR	MID	0.43	0.52	0.48
SA	IH16.19L	SWAR	ULT	0.45	0.55	0.50
SA	IH16.71L	SWAR	EXIST	0.29	0.35	0.32
SA	IH16.71L	SWAR	MID	0.43	0.52	0.48
SA	IH16.71L	SWAR	ULT	0.45	0.55	0.50
SA	IH17.04L	SWAR	EXIST	0.29	0.35	0.32
SA	IH17.04L	SWAR	MID	0.43	0.52	0.48
SA	IH17.04L	SWAR	ULT	0.45	0.55	0.50
SA	IH17.70L	SWAR	EXIST	0.28	0.34	0.31
SA	IH17.70L	SWAR	MID	0.29	0.36	0.33
SA	IH17.70L	SWAR	ULT	0.42	0.51	0.47
SA	IH18.65L	SWAR	EXIST	0.28	0.34	0.31
SA	IH18.65L	SWAR	MID	0.29	0.36	0.33
SA	IH18.65L	SWAR	ULT	0.42	0.51	0.47
SA	IH19.31L	SWAR	EXIST	0.28	0.34	0.31
SA	IH19.31L	SWAR	MID	0.29	0.36	0.33
SA	IH19.31L	SWAR	ULT	0.42	0.51	0.47
SA	LM00.09L	SWAR	EXIST	0.30	0.36	0.33
SA	LM00.09L	SWAR	MID	0.33	0.41	0.37
SA	LM00.09L	SWAR	ULT	0.42	0.51	0.46
SA	LM00.13L	SWAR	EXIST	0.30	0.36	0.33
SA	LM00.13L	SWAR	MID	0.33	0.41	0.37
SA	LM00.13L	SWAR	ULT	0.42	0.51	0.46
SA	LM00.14L	SWAR	EXIST	0.30	0.36	0.33
SA	LM00.14L	SWAR	MID	0.33	0.41	0.37
SA	LM00.14L	SWAR	ULT	0.42	0.51	0.46
SA	LM00.32L	SWAR	EXIST	0.30	0.36	0.33
SA	LM00.32L	SWAR	MID	0.33	0.41	0.37
SA	LM00.32L	SWAR	ULT	0.42	0.51	0.46
SA	LM00.41L	SWAR	EXIST	0.30	0.36	0.33

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SA	LM00.41L	SWAR	MID	0.33	0.41	0.37
SA	LM00.41L	SWAR	ULT	0.42	0.51	0.46
SA	LM00.66L	SWAR	EXIST	0.30	0.36	0.33
SA	LM00.66L	SWAR	MID	0.33	0.41	0.37
SA	LM00.66L	SWAR	ULT	0.42	0.51	0.46
SA	LM00.85L	SWAR	EXIST	0.30	0.36	0.33
SA	LM00.85L	SWAR	MID	0.33	0.41	0.37
SA	LM00.85L	SWAR	ULT	0.42	0.51	0.46
SA	LM00.95L	SWAR	EXIST	0.30	0.36	0.33
SA	LM00.95L	SWAR	MID	0.33	0.41	0.37
SA	LM00.95L	SWAR	ULT	0.42	0.51	0.46
SA	LM01.47L	SWAR	EXIST	0.30	0.36	0.33
SA	LM01.47L	SWAR	MID	0.33	0.41	0.37
SA	LM01.47L	SWAR	ULT	0.42	0.51	0.46
SA	LM01.90L	SWAR	EXIST	0.30	0.36	0.33
SA	LM01.90L	SWAR	MID	0.33	0.41	0.37
SA	LM01.90L	SWAR	ULT	0.42	0.51	0.46
SA	LM02.15L	SWAR	EXIST	0.30	0.36	0.33
SA	LM02.15L	SWAR	MID	0.33	0.41	0.37
SA	LM02.15L	SWAR	ULT	0.42	0.51	0.46
SA	LM02.29L	SWAR	EXIST	0.30	0.36	0.33
SA	LM02.29L	SWAR	MID	0.33	0.41	0.37
SA	LM02.29L	SWAR	ULT	0.42	0.51	0.46
SA	LM02.58L	SWAR	EXIST	0.30	0.36	0.33
SA	LM02.58L	SWAR	MID	0.33	0.41	0.37
SA	LM02.58L	SWAR	ULT	0.42	0.51	0.46
SA	LM03.02L	SWAR	EXIST	0.30	0.36	0.33
SA	LM03.02L	SWAR	MID	0.33	0.41	0.37
SA	LM03.02L	SWAR	ULT	0.42	0.51	0.46
SA	LM03.34L	SWAR	EXIST	0.30	0.36	0.33
SA	LM03.34L	SWAR	MID	0.33	0.41	0.37
SA	LM03.34L	SWAR	ULT	0.42	0.51	0.46
SA	LM03.81L	SWAR	EXIST	0.30	0.36	0.33
SA	LM03.81L	SWAR	MID	0.33	0.41	0.37
SA	LM03.81L	SWAR	ULT	0.42	0.51	0.46
SA	LM03.95L	SWAR	EXIST	0.30	0.36	0.33
SA	LM03.95L	SWAR	MID	0.33	0.41	0.37
SA	LM03.95L	SWAR	ULT	0.42	0.51	0.46
SA	LM04.14L	SWAR	EXIST	0.30	0.36	0.33
SA	LM04.14L	SWAR	MID	0.33	0.41	0.37
SA	LM04.14L	SWAR	ULT	0.42	0.51	0.46
SA	LM04.28L	SWAR	EXIST	0.30	0.36	0.33
SA	LM04.28L	SWAR	MID	0.33	0.41	0.37
SA	LM04.28L	SWAR	ULT	0.42	0.51	0.46
SA	LM04.32L	SWAR	EXIST	0.30	0.36	0.33
SA	LM04.32L	SWAR	MID	0.33	0.41	0.37
SA	LM04.32L	SWAR	ULT	0.42	0.51	0.46
SA	LM04.37	SWAR	EXIST	0.30	0.36	0.33
SA	LM04.37	SWAR	MID	0.33	0.41	0.37
SA	LM04.37	SWAR	ULT	0.42	0.51	0.46
SA	LM04.51L	SWAR	EXIST	0.30	0.36	0.33
SA	LM04.51L	SWAR	MID	0.33	0.41	0.37
SA	LM04.51L	SWAR	ULT	0.42	0.51	0.46
SA	LM04.67L	SWAR	EXIST	0.30	0.36	0.33
SA	LM04.67L	SWAR	MID	0.33	0.41	0.37
SA	LM04.67L	SWAR	ULT	0.42	0.51	0.46

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SA	LM04.75L	SWAR	EXIST	0.30	0.36	0.33
SA	LM04.75L	SWAR	MID	0.33	0.41	0.37
SA	LM04.75L	SWAR	ULT	0.42	0.51	0.46
SA	LM04.84L	SWAR	EXIST	0.30	0.36	0.33
SA	LM04.84L	SWAR	MID	0.33	0.41	0.37
SA	LM04.84L	SWAR	ULT	0.42	0.51	0.46
SA	LM05.26L	SWAR	EXIST	0.30	0.36	0.33
SA	LM05.26L	SWAR	MID	0.33	0.41	0.37
SA	LM05.26L	SWAR	ULT	0.42	0.51	0.46
SA	LM05.40L	SWAR	EXIST	0.30	0.36	0.33
SA	LM05.40L	SWAR	MID	0.33	0.41	0.37
SA	LM05.40L	SWAR	ULT	0.42	0.51	0.46
SA	NB00.26L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.26L	SWAR	MID	0.36	0.44	0.40
SA	NB00.26L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.28L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.28L	SWAR	MID	0.36	0.44	0.40
SA	NB00.28L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.32L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.32L	SWAR	MID	0.36	0.44	0.40
SA	NB00.32L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.49L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.49L	SWAR	MID	0.36	0.44	0.40
SA	NB00.49L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.54L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.54L	SWAR	MID	0.36	0.44	0.40
SA	NB00.54L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.59L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.59L	SWAR	MID	0.36	0.44	0.40
SA	NB00.59L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.64L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.64L	SWAR	MID	0.36	0.44	0.40
SA	NB00.64L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.69L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.69L	SWAR	MID	0.36	0.44	0.40
SA	NB00.69L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.83L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.83L	SWAR	MID	0.36	0.44	0.40
SA	NB00.83L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.88L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.88L	SWAR	MID	0.36	0.44	0.40
SA	NB00.88L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.93L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.93L	SWAR	MID	0.36	0.44	0.40
SA	NB00.93L	SWAR	ULT	0.37	0.45	0.41
SA	NB00.98L	SWAR	EXIST	0.31	0.38	0.35
SA	NB00.98L	SWAR	MID	0.36	0.44	0.40
SA	NB00.98L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.03L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.03L	SWAR	MID	0.36	0.44	0.40
SA	NB01.03L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.08L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.08L	SWAR	MID	0.36	0.44	0.40
SA	NB01.08L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.13L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.13L	SWAR	MID	0.36	0.44	0.40

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SA	NB01.13L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.15L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.15L	SWAR	MID	0.36	0.44	0.40
SA	NB01.15L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.18L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.18L	SWAR	MID	0.36	0.44	0.40
SA	NB01.18L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.23L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.23L	SWAR	MID	0.36	0.44	0.40
SA	NB01.23L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.29L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.29L	SWAR	MID	0.36	0.44	0.40
SA	NB01.29L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.32L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.32L	SWAR	MID	0.36	0.44	0.40
SA	NB01.32L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.38L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.38L	SWAR	MID	0.36	0.44	0.40
SA	NB01.38L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.42L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.42L	SWAR	MID	0.36	0.44	0.40
SA	NB01.42L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.50L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.50L	SWAR	MID	0.36	0.44	0.40
SA	NB01.50L	SWAR	ULT	0.37	0.45	0.41
SA	NB01.51L	SWAR	EXIST	0.31	0.38	0.35
SA	NB01.51L	SWAR	MID	0.36	0.44	0.40
SA	NB01.51L	SWAR	ULT	0.37	0.45	0.41
SA	NR06.01L	SWAR	EXIST	0.28	0.34	0.31
SA	NR06.01L	SWAR	MID	0.29	0.36	0.33
SA	NR06.01L	SWAR	ULT	0.42	0.51	0.47
SA	NR06.31L	SWAR	EXIST	0.28	0.34	0.31
SA	NR06.31L	SWAR	MID	0.29	0.36	0.33
SA	NR06.31L	SWAR	ULT	0.42	0.51	0.47
SA	NR06.50L	SWAR	EXIST	0.28	0.34	0.31
SA	NR06.50L	SWAR	MID	0.29	0.36	0.33
SA	NR06.50L	SWAR	ULT	0.42	0.51	0.47
SA	NR07.01L	SWAR	EXIST	0.28	0.34	0.31
SA	NR07.01L	SWAR	MID	0.29	0.36	0.33
SA	NR07.01L	SWAR	ULT	0.42	0.51	0.47
SA	NR07.26L	SWAR	EXIST	0.28	0.34	0.31
SA	NR07.26L	SWAR	MID	0.29	0.36	0.33
SA	NR07.26L	SWAR	ULT	0.42	0.51	0.47
SA	NR07.35L	SWAR	EXIST	0.28	0.34	0.31
SA	NR07.35L	SWAR	MID	0.29	0.36	0.33
SA	NR07.35L	SWAR	ULT	0.42	0.51	0.47
SA	NR07.41L	SWAR	EXIST	0.28	0.34	0.31
SA	NR07.41L	SWAR	MID	0.29	0.36	0.33
SA	NR07.41L	SWAR	ULT	0.42	0.51	0.47
SA	NR07.55L	SWAR	EXIST	0.28	0.34	0.31
SA	NR07.55L	SWAR	MID	0.29	0.36	0.33
SA	NR07.55L	SWAR	ULT	0.42	0.51	0.47
SA	NR07.79L	SWAR	EXIST	0.28	0.34	0.31
SA	NR07.79L	SWAR	MID	0.29	0.36	0.33
SA	NR07.79L	SWAR	ULT	0.42	0.51	0.47
SA	NR08.77L	SWAR	EXIST	0.28	0.34	0.31

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SA	NR08.77L	SWAR	MID	0.29	0.36	0.33
SA	NR08.77L	SWAR	ULT	0.42	0.51	0.47
SA	NR08.80L	SWAR	EXIST	0.28	0.34	0.31
SA	NR08.80L	SWAR	MID	0.29	0.36	0.33
SA	NR08.80L	SWAR	ULT	0.42	0.51	0.47
SA	NR08.83L	SWAR	EXIST	0.28	0.34	0.31
SA	NR08.83L	SWAR	MID	0.29	0.36	0.33
SA	NR08.83L	SWAR	ULT	0.42	0.51	0.47
SA	NR08.92L	SWAR	EXIST	0.28	0.34	0.31
SA	NR08.92L	SWAR	MID	0.29	0.36	0.33
SA	NR08.92L	SWAR	ULT	0.42	0.51	0.47
SA	NR09.96L	SWAR	EXIST	0.28	0.34	0.31
SA	NR09.96L	SWAR	MID	0.29	0.36	0.33
SA	NR09.96L	SWAR	ULT	0.42	0.51	0.47
SA	NR11.70L	SWAR	EXIST	0.28	0.34	0.31
SA	NR11.70L	SWAR	MID	0.29	0.36	0.33
SA	NR11.70L	SWAR	ULT	0.42	0.51	0.47
SA	NR11.73L	SWAR	EXIST	0.28	0.34	0.31
SA	NR11.73L	SWAR	MID	0.29	0.36	0.33
SA	NR11.73L	SWAR	ULT	0.42	0.51	0.47
SA	NR13.31L	SWAR	EXIST	0.28	0.34	0.31
SA	NR13.31L	SWAR	MID	0.29	0.36	0.33
SA	NR13.31L	SWAR	ULT	0.42	0.51	0.47
SA	NR13.67L	SWAR	EXIST	0.28	0.34	0.31
SA	NR13.67L	SWAR	MID	0.29	0.36	0.33
SA	NR13.67L	SWAR	ULT	0.42	0.51	0.47
SA	NR13.95L	SWAR	EXIST	0.28	0.34	0.31
SA	NR13.95L	SWAR	MID	0.29	0.36	0.33
SA	NR13.95L	SWAR	ULT	0.42	0.51	0.47
SA	NR14.07L	SWAR	EXIST	0.28	0.34	0.31
SA	NR14.07L	SWAR	MID	0.29	0.36	0.33
SA	NR14.07L	SWAR	ULT	0.42	0.51	0.47
SA	NR14.37L	SWAR	EXIST	0.28	0.34	0.31
SA	NR14.37L	SWAR	MID	0.29	0.36	0.33
SA	NR14.37L	SWAR	ULT	0.42	0.51	0.47
SA	NR14.86L	SWAR	EXIST	0.28	0.34	0.31
SA	NR14.86L	SWAR	MID	0.29	0.36	0.33
SA	NR14.86L	SWAR	ULT	0.42	0.51	0.47
SA	NR15.24L	SWAR	EXIST	0.28	0.34	0.31
SA	NR15.24L	SWAR	MID	0.29	0.36	0.33
SA	NR15.24L	SWAR	ULT	0.42	0.51	0.47
SA	NR15.66L	SWAR	EXIST	0.28	0.34	0.31
SA	NR15.66L	SWAR	MID	0.29	0.36	0.33
SA	NR15.66L	SWAR	ULT	0.42	0.51	0.47
SA	NR16.40L	SWAR	EXIST	0.28	0.34	0.31
SA	NR16.40L	SWAR	MID	0.29	0.36	0.33
SA	NR16.40L	SWAR	ULT	0.42	0.51	0.47
SA	NR16.61L	SWAR	EXIST	0.28	0.34	0.31
SA	NR16.61L	SWAR	MID	0.29	0.36	0.33
SA	NR16.61L	SWAR	ULT	0.42	0.51	0.47
SA	NR16.90L	SWAR	EXIST	0.32	0.33	0.45
SA	NR16.90L	SWAR	MID	0.24	0.28	0.40
SA	NR16.90L	SWAR	ULT	0.28	0.30	0.45
SA	NR19.08L	SWAR	EXIST	0.25	0.31	0.28
SA	NR19.08L	SWAR	MID	0.26	0.31	0.28
SA	NR19.08L	SWAR	ULT	0.39	0.48	0.43

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SA	NR20.28L	SWAR	EXIST	0.25	0.31	0.28
SA	NR20.28L	SWAR	MID	0.26	0.31	0.28
SA	NR20.28L	SWAR	ULT	0.39	0.48	0.43
SA	NR21.53L	SWAR	EXIST	0.25	0.31	0.28
SA	NR21.53L	SWAR	MID	0.26	0.31	0.28
SA	NR21.53L	SWAR	ULT	0.39	0.48	0.43
SA	NR22.95L	SWAR	EXIST	0.29	0.29	0.39
SA	NR22.95L	SWAR	MID	0.27	0.24	0.33
SA	NR22.95L	SWAR	ULT	0.28	0.26	0.36
SA	NR28.63L	SWAR	EXIST	0.25	0.31	0.28
SA	NR28.63L	SWAR	MID	0.26	0.31	0.28
SA	NR28.63L	SWAR	ULT	0.39	0.48	0.43
SA	NR28.66L	SWAR	EXIST	0.25	0.31	0.28
SA	NR28.66L	SWAR	MID	0.26	0.31	0.28
SA	NR28.66L	SWAR	ULT	0.39	0.48	0.43
SA	NR28.69L	SWAR	EXIST	0.25	0.31	0.28
SA	NR28.69L	SWAR	MID	0.26	0.31	0.28
SA	NR28.69L	SWAR	ULT	0.39	0.48	0.43
SA	NR31.25L	SWAR	EXIST	0.25	0.31	0.28
SA	NR31.25L	SWAR	MID	0.26	0.31	0.28
SA	NR31.25L	SWAR	ULT	0.39	0.48	0.43
SA	NR32.04L	SWAR	EXIST	0.29	0.29	0.39
SA	NR32.04L	SWAR	MID	0.27	0.24	0.33
SA	NR32.04L	SWAR	ULT	0.28	0.26	0.36
SA	NR34.50L	SWAR	EXIST	0.29	0.29	0.39
SA	NR34.50L	SWAR	MID	0.27	0.24	0.33
SA	NR34.50L	SWAR	ULT	0.28	0.26	0.36
SA	NR35.40L	SWAR	EXIST	0.29	0.29	0.39
SA	NR35.40L	SWAR	MID	0.27	0.24	0.33
SA	NR35.40L	SWAR	ULT	0.28	0.26	0.36
SA	NR35.73L	SWAR	EXIST	0.29	0.29	0.39
SA	NR35.73L	SWAR	MID	0.27	0.24	0.33
SA	NR35.73L	SWAR	ULT	0.28	0.26	0.36
SA	NR35.96L	SWAR	EXIST	0.29	0.29	0.39
SA	NR35.96L	SWAR	MID	0.27	0.24	0.33
SA	NR35.96L	SWAR	ULT	0.28	0.26	0.36
SA	OB04.25L	SWAR	EXIST	0.30	0.36	0.33
SA	OB04.25L	SWAR	MID	0.33	0.41	0.37
SA	OB04.25L	SWAR	ULT	0.42	0.51	0.46
SA	OB04.47L	SWAR	EXIST	0.30	0.36	0.33
SA	OB04.47L	SWAR	MID	0.33	0.41	0.37
SA	OB04.47L	SWAR	ULT	0.42	0.51	0.46
SA	OB04.56L	SWAR	EXIST	0.30	0.36	0.33
SA	OB04.56L	SWAR	MID	0.33	0.41	0.37
SA	OB04.56L	SWAR	ULT	0.42	0.51	0.46
SA	OB04.66L	SWAR	EXIST	0.30	0.36	0.33
SA	OB04.66L	SWAR	MID	0.33	0.41	0.37
SA	OB04.66L	SWAR	ULT	0.42	0.51	0.46
SA	OB04.73L	SWAR	EXIST	0.30	0.36	0.33
SA	OB04.73L	SWAR	MID	0.33	0.41	0.37
SA	OB04.73L	SWAR	ULT	0.42	0.51	0.46
SA	OB04.80L	SWAR	EXIST	0.30	0.36	0.33
SA	OB04.80L	SWAR	MID	0.33	0.41	0.37
SA	OB04.80L	SWAR	ULT	0.42	0.51	0.46
SA	OB04.86L	SWAR	EXIST	0.30	0.36	0.33
SA	OB04.86L	SWAR	MID	0.33	0.41	0.37

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SA	0B04.86L	SWAR	ULT	0.42	0.51	0.46
SA	0B04.92L	SWAR	EXIST	0.30	0.36	0.33
SA	0B04.92L	SWAR	MID	0.33	0.41	0.37
SA	0B04.92L	SWAR	ULT	0.42	0.51	0.46
SA	0B05.10L	SWAR	EXIST	0.30	0.36	0.33
SA	0B05.10L	SWAR	MID	0.33	0.41	0.37
SA	0B05.10L	SWAR	ULT	0.42	0.51	0.46
SA	0B05.25L	SWAR	EXIST	0.30	0.36	0.33
SA	0B05.25L	SWAR	MID	0.33	0.41	0.37
SA	0B05.25L	SWAR	ULT	0.42	0.51	0.46
SA	0B05.32L	SWAR	EXIST	0.30	0.36	0.33
SA	0B05.32L	SWAR	MID	0.33	0.41	0.37
SA	0B05.32L	SWAR	ULT	0.42	0.51	0.46
SA	0B05.62L	SWAR	EXIST	0.30	0.36	0.33
SA	0B05.62L	SWAR	MID	0.33	0.41	0.37
SA	0B05.62L	SWAR	ULT	0.42	0.51	0.46
SA	0B05.97L	SWAR	EXIST	0.30	0.36	0.33
SA	0B05.97L	SWAR	MID	0.33	0.41	0.37
SA	0B05.97L	SWAR	ULT	0.42	0.51	0.46
SA	0B06.85L	SWAR	EXIST	0.30	0.36	0.33
SA	0B06.85L	SWAR	MID	0.33	0.41	0.37
SA	0B06.85L	SWAR	ULT	0.42	0.51	0.46
SA	0B07.32L	SWAR	EXIST	0.30	0.36	0.33
SA	0B07.32L	SWAR	MID	0.33	0.41	0.37
SA	0B07.32L	SWAR	ULT	0.42	0.51	0.46
SA	0B08.46L	SWAR	EXIST	0.30	0.36	0.33
SA	0B08.46L	SWAR	MID	0.33	0.41	0.37
SA	0B08.46L	SWAR	ULT	0.42	0.51	0.46
SA	0B08.63L	SWAR	EXIST	0.30	0.36	0.33
SA	0B08.63L	SWAR	MID	0.33	0.41	0.37
SA	0B08.63L	SWAR	ULT	0.42	0.51	0.46
SA	0B00.28R	SWAR	EXIST	0.42	0.52	0.47
SA	0B00.28R	SWAR	MID	0.41	0.50	0.46
SA	0B00.28R	SWAR	ULT	0.42	0.51	0.47
SA	0B00.29R	SWAR	EXIST	0.42	0.52	0.47
SA	0B00.29R	SWAR	MID	0.41	0.50	0.46
SA	0B00.29R	SWAR	ULT	0.42	0.51	0.47
SA	0B01.00R	SWAR	EXIST	0.42	0.52	0.47
SA	0B01.00R	SWAR	MID	0.41	0.50	0.46
SA	0B01.00R	SWAR	ULT	0.42	0.51	0.47
SA	0B01.08R	SWAR	EXIST	0.42	0.52	0.47
SA	0B01.08R	SWAR	MID	0.41	0.50	0.46
SA	0B01.08R	SWAR	ULT	0.42	0.51	0.47
SA	0B01.23R	SWAR	EXIST	0.42	0.52	0.47
SA	0B01.23R	SWAR	MID	0.41	0.50	0.46
SA	0B01.23R	SWAR	ULT	0.42	0.51	0.47
SA	0B01.30R	SWAR	EXIST	0.42	0.52	0.47
SA	0B01.30R	SWAR	MID	0.41	0.50	0.46
SA	0B01.30R	SWAR	ULT	0.42	0.51	0.47
SA	0B02.38R	SWAR	EXIST	0.42	0.52	0.47
SA	0B02.38R	SWAR	MID	0.41	0.50	0.46
SA	0B02.38R	SWAR	ULT	0.42	0.51	0.47
SA	0B02.40R	SWAR	EXIST	0.42	0.52	0.47
SA	0B02.40R	SWAR	MID	0.41	0.50	0.46
SA	0B02.40R	SWAR	ULT	0.42	0.51	0.47
SA	0B03.04R	SWAR	EXIST	0.42	0.52	0.47

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SA	0B03.04R	SWAR	MID	0.41	0.50	0.46
SA	0B03.04R	SWAR	ULT	0.42	0.51	0.47
SA	0B03.17R	SWAR	EXIST	0.42	0.52	0.47
SA	0B03.17R	SWAR	MID	0.41	0.50	0.46
SA	0B03.17R	SWAR	ULT	0.42	0.51	0.47
SA	0B03.23R	SWAR	EXIST	0.42	0.52	0.47
SA	0B03.23R	SWAR	MID	0.41	0.50	0.46
SA	0B03.23R	SWAR	ULT	0.42	0.51	0.47
SA	0B03.50R	SWAR	EXIST	0.42	0.52	0.47
SA	0B03.50R	SWAR	MID	0.41	0.50	0.46
SA	0B03.50R	SWAR	ULT	0.42	0.51	0.47
SA	0B03.65R	SWAR	EXIST	0.42	0.52	0.47
SA	0B03.65R	SWAR	MID	0.41	0.50	0.46
SA	0B03.65R	SWAR	ULT	0.42	0.51	0.47
SA	0B04.07R	SWAR	EXIST	0.42	0.52	0.47
SA	0B04.07R	SWAR	MID	0.41	0.50	0.46
SA	0B04.07R	SWAR	ULT	0.42	0.51	0.47
SA	0B04.09R	SWAR	EXIST	0.42	0.52	0.47
SA	0B04.09R	SWAR	MID	0.41	0.50	0.46
SA	0B04.09R	SWAR	ULT	0.42	0.51	0.47
SA	0B04.23R	SWAR	EXIST	0.42	0.52	0.47
SA	0B04.23R	SWAR	MID	0.41	0.50	0.46
SA	0B04.23R	SWAR	ULT	0.42	0.51	0.47
SA	0B04.54R	SWAR	EXIST	0.42	0.52	0.47
SA	0B04.54R	SWAR	MID	0.41	0.50	0.46
SA	0B04.54R	SWAR	ULT	0.42	0.51	0.47
SA	0B04.58R	SWAR	EXIST	0.42	0.52	0.47
SA	0B04.58R	SWAR	MID	0.41	0.50	0.46
SA	0B04.58R	SWAR	ULT	0.42	0.51	0.47
SA	0B04.64R	SWAR	EXIST	0.42	0.52	0.47
SA	0B04.64R	SWAR	MID	0.41	0.50	0.46
SA	0B04.64R	SWAR	ULT	0.42	0.51	0.47
SA	0B05.14R	SWAR	EXIST	0.42	0.52	0.47
SA	0B05.14R	SWAR	MID	0.41	0.50	0.46
SA	0B05.14R	SWAR	ULT	0.42	0.51	0.47
SA	0B05.35R	SWAR	EXIST	0.42	0.52	0.47
SA	0B05.35R	SWAR	MID	0.41	0.50	0.46
SA	0B05.35R	SWAR	ULT	0.42	0.51	0.47
SA	0B05.48R	SWAR	EXIST	0.42	0.52	0.47
SA	0B05.48R	SWAR	MID	0.41	0.50	0.46
SA	0B05.48R	SWAR	ULT	0.42	0.51	0.47
SA	0B05.65R	SWAR	EXIST	0.42	0.52	0.47
SA	0B05.65R	SWAR	MID	0.41	0.50	0.46
SA	0B05.65R	SWAR	ULT	0.42	0.51	0.47
SA	0B05.84R	SWAR	EXIST	0.42	0.52	0.47
SA	0B05.84R	SWAR	MID	0.41	0.50	0.46
SA	0B05.84R	SWAR	ULT	0.42	0.51	0.47
SA	0B06.65R	SWAR	EXIST	0.42	0.52	0.47
SA	0B06.65R	SWAR	MID	0.41	0.50	0.46
SA	0B06.65R	SWAR	ULT	0.42	0.51	0.47
SA	0B07.05R	SWAR	EXIST	0.42	0.52	0.47
SA	0B07.05R	SWAR	MID	0.41	0.50	0.46
SA	0B07.05R	SWAR	ULT	0.42	0.51	0.47
SA	0B08.47R	SWAR	EXIST	0.42	0.52	0.47
SA	0B08.47R	SWAR	MID	0.41	0.50	0.46
SA	0B08.47R	SWAR	ULT	0.42	0.51	0.47

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SA	0B08.50R	SWAR	EXIST	0.42	0.52	0.47
SA	0B08.50R	SWAR	MID	0.41	0.50	0.46
SA	0B08.50R	SWAR	ULT	0.42	0.51	0.47
SA	0B09.47R	SWAR	EXIST	0.42	0.52	0.47
SA	0B09.47R	SWAR	MID	0.41	0.50	0.46
SA	0B09.47R	SWAR	ULT	0.42	0.51	0.47
SA	0B09.89R	SWAR	EXIST	0.42	0.52	0.47
SA	0B09.89R	SWAR	MID	0.41	0.50	0.46
SA	0B09.89R	SWAR	ULT	0.42	0.51	0.47
SA	0B10.03R	SWAR	EXIST	0.42	0.52	0.47
SA	0B10.03R	SWAR	MID	0.41	0.50	0.46
SA	0B10.03R	SWAR	ULT	0.42	0.51	0.47
SA	0C00.09R	SWAR	EXIST	0.32	0.36	0.40
SA	0C00.09R	SWAR	MID	0.37	0.45	0.41
SA	0C00.09R	SWAR	ULT	0.44	0.54	0.49
SA	0C01.36R	SWAR	EXIST	0.32	0.36	0.40
SA	0C01.36R	SWAR	MID	0.37	0.45	0.41
SA	0C01.36R	SWAR	ULT	0.44	0.54	0.49
SA	0C02.57R	SWAR	EXIST	0.32	0.36	0.40
SA	0C02.57R	SWAR	MID	0.37	0.45	0.41
SA	0C02.57R	SWAR	ULT	0.44	0.54	0.49
SA	0C02.64R	SWAR	EXIST	0.32	0.36	0.40
SA	0C02.64R	SWAR	MID	0.37	0.45	0.41
SA	0C02.64R	SWAR	ULT	0.44	0.54	0.49
SA	0C02.86R	SWAR	EXIST	0.32	0.36	0.40
SA	0C02.86R	SWAR	MID	0.37	0.45	0.41
SA	0C02.86R	SWAR	ULT	0.44	0.54	0.49
SA	0C03.57R	SWAR	EXIST	0.32	0.36	0.40
SA	0C03.57R	SWAR	MID	0.37	0.45	0.41
SA	0C03.57R	SWAR	ULT	0.44	0.54	0.49
SA	0C04.13R	SWAR	EXIST	0.32	0.36	0.40
SA	0C04.13R	SWAR	MID	0.37	0.45	0.41
SA	0C04.13R	SWAR	ULT	0.44	0.54	0.49
SA	0C04.36R	SWAR	EXIST	0.32	0.36	0.40
SA	0C04.36R	SWAR	MID	0.37	0.45	0.41
SA	0C04.36R	SWAR	ULT	0.44	0.54	0.49
SA	0C04.37R	SWAR	EXIST	0.32	0.36	0.40
SA	0C04.37R	SWAR	MID	0.37	0.45	0.41
SA	0C04.37R	SWAR	ULT	0.44	0.54	0.49
SA	0C04.38R	SWAR	EXIST	0.32	0.36	0.40
SA	0C04.38R	SWAR	MID	0.37	0.45	0.41
SA	0C04.38R	SWAR	ULT	0.44	0.54	0.49
SA	0C04.45R	SWAR	EXIST	0.32	0.36	0.40
SA	0C04.45R	SWAR	MID	0.37	0.45	0.41
SA	0C04.45R	SWAR	ULT	0.44	0.54	0.49
SA	0C04.47R	SWAR	EXIST	0.32	0.36	0.40
SA	0C04.47R	SWAR	MID	0.37	0.45	0.41
SA	0C04.47R	SWAR	ULT	0.44	0.54	0.49
SA	0C04.51R	SWAR	EXIST	0.32	0.36	0.40
SA	0C04.51R	SWAR	MID	0.37	0.45	0.41
SA	0C04.51R	SWAR	ULT	0.44	0.54	0.49
SA	0C04.56R	SWAR	EXIST	0.32	0.36	0.40
SA	0C04.56R	SWAR	MID	0.37	0.45	0.41
SA	0C04.56R	SWAR	ULT	0.44	0.54	0.49
SA	0C04.61R	SWAR	EXIST	0.32	0.36	0.40
SA	0C04.61R	SWAR	MID	0.37	0.45	0.41

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SA	0004.61R	SWAR	ULT	0.44	0.54	0.49
SA	0004.69R	SWAR	EXIST	0.32	0.36	0.40
SA	0004.69R	SWAR	MID	0.37	0.45	0.41
SA	0004.69R	SWAR	ULT	0.44	0.54	0.49
SA	0004.78R	SWAR	EXIST	0.32	0.36	0.40
SA	0004.78R	SWAR	MID	0.37	0.45	0.41
SA	0004.78R	SWAR	ULT	0.44	0.54	0.49
SA	0004.82R	SWAR	EXIST	0.32	0.36	0.40
SA	0004.82R	SWAR	MID	0.37	0.45	0.41
SA	0004.82R	SWAR	ULT	0.44	0.54	0.49
SA	0004.87R	SWAR	EXIST	0.32	0.36	0.40
SA	0004.87R	SWAR	MID	0.37	0.45	0.41
SA	0004.87R	SWAR	ULT	0.44	0.54	0.49
SA	0004.88R	SWAR	EXIST	0.32	0.36	0.40
SA	0004.88R	SWAR	MID	0.37	0.45	0.41
SA	0004.88R	SWAR	ULT	0.44	0.54	0.49
SA	0004.91R	SWAR	EXIST	0.32	0.36	0.40
SA	0004.91R	SWAR	MID	0.37	0.45	0.41
SA	0004.91R	SWAR	ULT	0.44	0.54	0.49
SA	0005.01R	SWAR	EXIST	0.32	0.36	0.40
SA	0005.01R	SWAR	MID	0.37	0.45	0.41
SA	0005.01R	SWAR	ULT	0.44	0.54	0.49
SA	0005.09R	SWAR	EXIST	0.32	0.36	0.40
SA	0005.09R	SWAR	MID	0.37	0.45	0.41
SA	0005.09R	SWAR	ULT	0.44	0.54	0.49
SA	0005.14R	SWAR	EXIST	0.32	0.36	0.40
SA	0005.14R	SWAR	MID	0.37	0.45	0.41
SA	0005.14R	SWAR	ULT	0.44	0.54	0.49
SA	0005.26R	SWAR	EXIST	0.32	0.36	0.40
SA	0005.26R	SWAR	MID	0.37	0.45	0.41
SA	0005.26R	SWAR	ULT	0.44	0.54	0.49
SA	0005.53R	SWAR	EXIST	0.32	0.36	0.40
SA	0005.53R	SWAR	MID	0.37	0.45	0.41
SA	0005.53R	SWAR	ULT	0.44	0.54	0.49
SA	0005.67R	SWAR	EXIST	0.32	0.36	0.40
SA	0005.67R	SWAR	MID	0.37	0.45	0.41
SA	0005.67R	SWAR	ULT	0.44	0.54	0.49
SA	0005.81R	SWAR	EXIST	0.32	0.36	0.40
SA	0005.81R	SWAR	MID	0.37	0.45	0.41
SA	0005.81R	SWAR	ULT	0.44	0.54	0.49
SA	0005.90R	SWAR	EXIST	0.32	0.36	0.40
SA	0005.90R	SWAR	MID	0.37	0.45	0.41
SA	0005.90R	SWAR	ULT	0.44	0.54	0.49
SA	0006.03R	SWAR	EXIST	0.32	0.36	0.40
SA	0006.03R	SWAR	MID	0.37	0.45	0.41
SA	0006.03R	SWAR	ULT	0.44	0.54	0.49
SA	0006.33R	SWAR	EXIST	0.32	0.36	0.40
SA	0006.33R	SWAR	MID	0.37	0.45	0.41
SA	0006.33R	SWAR	ULT	0.44	0.54	0.49
SA	0006.42	SWAR	EXIST	0.32	0.36	0.40
SA	0006.42	SWAR	MID	0.37	0.45	0.41
SA	0006.42	SWAR	ULT	0.44	0.54	0.49
SA	0006.61R	SWAR	EXIST	0.32	0.36	0.40
SA	0006.61R	SWAR	MID	0.37	0.45	0.41
SA	0006.61R	SWAR	ULT	0.44	0.54	0.49
SA	0006.73R	SWAR	EXIST	0.32	0.36	0.40

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SA	0C06.73R	SWAR	MID	0.37	0.45	0.41
SA	0C06.73R	SWAR	ULT	0.44	0.54	0.49
SA	0C07.39R	SWAR	EXIST	0.32	0.36	0.40
SA	0C07.39R	SWAR	MID	0.37	0.45	0.41
SA	0C07.39R	SWAR	ULT	0.44	0.54	0.49
SA	0C07.94R	SWAR	EXIST	0.32	0.36	0.40
SA	0C07.94R	SWAR	MID	0.37	0.45	0.41
SA	0C07.94R	SWAR	ULT	0.44	0.54	0.49
SA	0C08.11R	SWAR	EXIST	0.32	0.36	0.40
SA	0C08.11R	SWAR	MID	0.37	0.45	0.41
SA	0C08.11R	SWAR	ULT	0.44	0.54	0.49
SA	0C09.35R	SWAR	EXIST	0.37	0.45	0.41
SA	0C09.35R	SWAR	MID	0.34	0.42	0.48
SA	0C09.35R	SWAR	ULT	0.50	0.62	0.56
SA	0C09.45R	SWAR	EXIST	0.37	0.45	0.41
SA	0C09.45R	SWAR	MID	0.34	0.42	0.48
SA	0C09.45R	SWAR	ULT	0.50	0.62	0.56
SA	0C09.50R	SWAR	EXIST	0.37	0.45	0.41
SA	0C09.50R	SWAR	MID	0.34	0.42	0.48
SA	0C09.50R	SWAR	ULT	0.50	0.62	0.56
SA	0C09.98R	SWAR	EXIST	0.37	0.45	0.41
SA	0C09.98R	SWAR	MID	0.34	0.42	0.48
SA	0C09.98R	SWAR	ULT	0.50	0.62	0.56
SA	0C10.10R	SWAR	EXIST	0.37	0.45	0.41
SA	0C10.10R	SWAR	MID	0.34	0.42	0.48
SA	0C10.10R	SWAR	ULT	0.50	0.62	0.56
SA	0C10.97R	SWAR	EXIST	0.37	0.45	0.41
SA	0C10.97R	SWAR	MID	0.34	0.42	0.48
SA	0C10.97R	SWAR	ULT	0.50	0.62	0.56
SA	0C12.46R	SWAR	EXIST	0.37	0.45	0.41
SA	0C12.46R	SWAR	MID	0.34	0.42	0.48
SA	0C12.46R	SWAR	ULT	0.50	0.62	0.56
SA	0C13.48R	SWAR	EXIST	0.29	0.35	0.32
SA	0C13.48R	SWAR	MID	0.43	0.52	0.48
SA	0C13.48R	SWAR	ULT	0.45	0.55	0.50
SA	0C15.93R	SWAR	EXIST	0.29	0.35	0.32
SA	0C15.93R	SWAR	MID	0.43	0.52	0.48
SA	0C15.93R	SWAR	ULT	0.45	0.55	0.50
SA	0C15.97R	SWAR	EXIST	0.29	0.35	0.32
SA	0C15.97R	SWAR	MID	0.43	0.52	0.48
SA	0C15.97R	SWAR	ULT	0.45	0.55	0.50
SA	0C16.61R	SWAR	EXIST	0.35	0.32	0.58
SA	0C16.61R	SWAR	MID	0.29	0.43	0.45
SA	0C16.61R	SWAR	ULT	0.32	0.48	0.51
SA	0C16.92R	SWAR	EXIST	0.29	0.35	0.32
SA	0C16.92R	SWAR	MID	0.43	0.52	0.48
SA	0C16.92R	SWAR	ULT	0.45	0.55	0.50
SA	0C16.94R	SWAR	EXIST	0.29	0.35	0.32
SA	0C16.94R	SWAR	MID	0.43	0.52	0.48
SA	0C16.94R	SWAR	ULT	0.45	0.55	0.50
SA	0C18.87R	SWAR	EXIST	0.29	0.35	0.32
SA	0C18.87R	SWAR	MID	0.43	0.52	0.48
SA	0C18.87R	SWAR	ULT	0.45	0.55	0.50
SA	0C20.25R	SWAR	EXIST	0.29	0.35	0.32
SA	0C20.25R	SWAR	MID	0.43	0.52	0.48
SA	0C20.25R	SWAR	ULT	0.45	0.55	0.50

REGIONAL STORMWATER MASTER PLAN DATA

SA	0023.86R	SWAR	EXIST	0.31	0.33	0.59
SA	0023.86R	SWAR	MID	0.26	0.26	0.48
SA	0023.86R	SWAR	ULT	0.28	0.29	0.54
SA	0024.60R	SWAR	EXIST	0.28	0.34	0.31
SA	0024.60R	SWAR	MID	0.29	0.36	0.33
SA	0024.60R	SWAR	ULT	0.42	0.51	0.47
SA	0000.29L	SWAR	EXIST	0.30	0.36	0.33
SA	0000.29L	SWAR	MID	0.33	0.41	0.37
SA	0000.29L	SWAR	ULT	0.42	0.51	0.46
SA	0001.14L	SWAR	EXIST	0.26	0.32	0.29
SA	0001.14L	SWAR	MID	0.26	0.32	0.29
SA	0001.14L	SWAR	ULT	0.39	0.48	0.43
SA	0002.43L	SWAR	EXIST	0.26	0.32	0.29
SA	0002.43L	SWAR	MID	0.26	0.32	0.29
SA	0002.43L	SWAR	ULT	0.39	0.48	0.43
SA	0003.43L	SWAR	EXIST	0.26	0.32	0.29
SA	0003.43L	SWAR	MID	0.26	0.32	0.29
SA	0003.43L	SWAR	ULT	0.39	0.48	0.43
SA	0003.81L	SWAR	EXIST	0.32	0.33	0.48
SA	0003.81L	SWAR	MID	0.27	0.27	0.39
SA	0003.81L	SWAR	ULT	0.30	0.30	0.43
SA	0004.87L	SWAR	EXIST	0.27	0.33	0.30
SA	0004.87L	SWAR	MID	0.28	0.34	0.31
SA	0004.87L	SWAR	ULT	0.39	0.48	0.43
SA	0005.50L	SWAR	EXIST	0.27	0.33	0.30
SA	0005.50L	SWAR	MID	0.28	0.34	0.31
SA	0005.50L	SWAR	ULT	0.39	0.48	0.43
SA	0007.97L	SWAR	EXIST	0.27	0.33	0.30
SA	0007.97L	SWAR	MID	0.28	0.34	0.31
SA	0007.97L	SWAR	ULT	0.39	0.48	0.43
SA	0007.99L	SWAR	EXIST	0.27	0.33	0.30
SA	0007.99L	SWAR	MID	0.28	0.34	0.31
SA	0007.99L	SWAR	ULT	0.39	0.48	0.43
SA	0009.45L	SWAR	EXIST	0.27	0.33	0.30
SA	0009.45L	SWAR	MID	0.28	0.34	0.31
SA	0009.45L	SWAR	ULT	0.39	0.48	0.43
SA	0009.50L	SWAR	EXIST	0.27	0.33	0.30
SA	0009.50L	SWAR	MID	0.28	0.34	0.31
SA	0009.50L	SWAR	ULT	0.39	0.48	0.43
SA	0010.35L	SWAR	EXIST	0.27	0.33	0.30
SA	0010.35L	SWAR	MID	0.28	0.34	0.31
SA	0010.35L	SWAR	ULT	0.39	0.48	0.43
SA	0010.40L	SWAR	EXIST	0.27	0.33	0.30
SA	0010.40L	SWAR	MID	0.26	0.34	0.31
SA	0010.40L	SWAR	ULT	0.39	0.48	0.43
SA	0011.43L	SWAR	EXIST	0.27	0.33	0.30
SA	0011.43L	SWAR	MID	0.28	0.34	0.31
SA	0011.43L	SWAR	ULT	0.39	0.48	0.43
SA	0012.04L	SWAR	EXIST	0.27	0.33	0.30
SA	0012.04L	SWAR	MID	0.28	0.34	0.31
SA	0012.04L	SWAR	ULT	0.39	0.48	0.43
SA	0012.32L	SWAR	EXIST	0.27	0.33	0.30
SA	0012.32L	SWAR	MID	0.28	0.34	0.31
SA	0012.32L	SWAR	ULT	0.39	0.48	0.43
SA	0013.29L	SWAR	EXIST	0.32	0.33	0.48
SA	0013.29L	SWAR	MID	0.27	0.27	0.39

REGIONAL STORMWATER MASTER PLAN DATA

SA	DC13.29L	SWAR	ULT	0.30	0.30	0.43
SA	DC15.50L	SWAR	EXIST	0.29	0.35	0.32
SA	DC15.50L	SWAR	MID	0.43	0.52	0.48
SA	DC15.50L	SWAR	ULT	0.45	0.55	0.50
SA	DC15.93L	SWAR	EXIST	0.29	0.35	0.32
SA	DC15.93L	SWAR	MID	0.43	0.52	0.48
SA	DC15.93L	SWAR	ULT	0.45	0.55	0.50
SA	DC15.97L	SWAR	EXIST	0.29	0.35	0.32
SA	DC15.97L	SWAR	MID	0.43	0.52	0.48
SA	DC15.97L	SWAR	ULT	0.45	0.55	0.50
SA	DC16.93L	SWAR	EXIST	0.29	0.35	0.32
SA	DC16.93L	SWAR	MID	0.43	0.52	0.48
SA	DC16.93L	SWAR	ULT	0.45	0.55	0.50
SA	DC16.94L	SWAR	EXIST	0.29	0.35	0.32
SA	DC16.94L	SWAR	MID	0.43	0.52	0.48
SA	DC16.94L	SWAR	ULT	0.45	0.55	0.50
SA	DC18.87L	SWAR	EXIST	0.29	0.35	0.32
SA	DC18.87L	SWAR	MID	0.43	0.52	0.48
SA	DC18.87L	SWAR	ULT	0.45	0.55	0.50
SA	DC20.50L	SWAR	EXIST	0.29	0.35	0.32
SA	DC20.50L	SWAR	MID	0.43	0.52	0.48
SA	DC20.50L	SWAR	ULT	0.45	0.55	0.50
SA	DC22.68L	SWAR	EXIST	0.31	0.33	0.59
SA	DC22.68L	SWAR	MID	0.26	0.26	0.48
SA	DC22.68L	SWAR	ULT	0.28	0.29	0.54
SA	DC23.86L	SWAR	EXIST	0.31	0.33	0.59
SA	DC23.86L	SWAR	MID	0.26	0.26	0.48
SA	DC23.86L	SWAR	ULT	0.28	0.29	0.54
SA	PI00.01	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.01	SWAR	MID	0.30	0.37	0.34
SA	PI00.01	SWAR	ULT	0.37	0.46	0.41
SA	PI00.02	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.02	SWAR	MID	0.30	0.37	0.34
SA	PI00.02	SWAR	ULT	0.37	0.46	0.41
SA	PI00.03	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.03	SWAR	MID	0.30	0.37	0.34
SA	PI00.03	SWAR	ULT	0.37	0.46	0.41
SA	PI00.04	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.04	SWAR	MID	0.30	0.37	0.34
SA	PI00.04	SWAR	ULT	0.37	0.46	0.41
SA	PI00.05	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.05	SWAR	MID	0.30	0.37	0.34
SA	PI00.05	SWAR	ULT	0.37	0.46	0.41
SA	PI00.06	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.06	SWAR	MID	0.30	0.37	0.34
SA	PI00.06	SWAR	ULT	0.37	0.46	0.41
SA	PI00.07	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.07	SWAR	MID	0.30	0.37	0.34
SA	PI00.07	SWAR	ULT	0.37	0.46	0.41
SA	PI00.08	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.08	SWAR	MID	0.30	0.37	0.34
SA	PI00.08	SWAR	ULT	0.37	0.46	0.41
SA	PI00.09	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.09	SWAR	MID	0.30	0.37	0.34
SA	PI00.09	SWAR	ULT	0.37	0.46	0.41
SA	PI00.10	SWAR	EXIST	0.27	0.33	0.30

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SA	PI00.10	SWAR	MID	0.30	0.37	0.34
SA	PI00.10	SWAR	ULT	0.37	0.46	0.41
SA	PI00.11	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.11	SWAR	MID	0.30	0.37	0.34
SA	PI00.11	SWAR	ULT	0.37	0.46	0.41
SA	PI00.12	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.12	SWAR	MID	0.30	0.37	0.34
SA	PI00.12	SWAR	ULT	0.37	0.46	0.41
SA	PI00.13	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.13	SWAR	MID	0.30	0.37	0.34
SA	PI00.13	SWAR	ULT	0.37	0.46	0.41
SA	PI00.14	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.14	SWAR	MID	0.30	0.37	0.34
SA	PI00.14	SWAR	ULT	0.37	0.46	0.41
SA	PI00.15	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.15	SWAR	MID	0.30	0.37	0.34
SA	PI00.15	SWAR	ULT	0.37	0.46	0.41
SA	PI00.16	SWAR	EXIST	0.27	0.33	0.30
SA	PI00.16	SWAR	MID	0.30	0.37	0.34
SA	PI00.16	SWAR	ULT	0.37	0.46	0.41
SA	WD02.42R	SWAR	EXIST	0.29	0.35	0.32
SA	WD02.42R	SWAR	MID	0.43	0.52	0.48
SA	WD02.42R	SWAR	ULT	0.45	0.55	0.50
SA	WD02.49R	SWAR	EXIST	0.29	0.35	0.32
SA	WD02.49R	SWAR	MID	0.43	0.52	0.48
SA	WD02.49R	SWAR	ULT	0.45	0.55	0.50
SA	WD03.39R	SWAR	EXIST	0.29	0.35	0.32
SA	WD03.39R	SWAR	MID	0.43	0.52	0.48
SA	WD03.39R	SWAR	ULT	0.45	0.55	0.50
SA	WD03.40R	SWAR	EXIST	0.29	0.35	0.32
SA	WD03.40R	SWAR	MID	0.43	0.52	0.48
SA	WD03.40R	SWAR	ULT	0.45	0.55	0.50
SA	WD06.66R	SWAR	EXIST	0.29	0.35	0.32
SA	WD06.66R	SWAR	MID	0.43	0.52	0.48
SA	WD06.66R	SWAR	ULT	0.45	0.55	0.50
SA	WD08.67R	SWAR	EXIST	0.31	0.33	0.59
SA	WD08.67R	SWAR	MID	0.26	0.26	0.48
SA	WD08.67R	SWAR	ULT	0.28	0.29	0.54
SA	WD02.42L	SWAR	EXIST	0.29	0.35	0.32
SA	WD02.42L	SWAR	MID	0.43	0.52	0.48
SA	WD02.42L	SWAR	ULT	0.45	0.55	0.50
SA	WD02.49L	SWAR	EXIST	0.29	0.35	0.32
SA	WD02.49L	SWAR	MID	0.43	0.52	0.48
SA	WD02.49L	SWAR	ULT	0.45	0.55	0.50
SA	WD03.39L	SWAR	EXIST	0.29	0.35	0.32
SA	WD03.39L	SWAR	MID	0.43	0.52	0.48
SA	WD03.39L	SWAR	ULT	0.45	0.55	0.50
SA	WD03.40L	SWAR	EXIST	0.29	0.35	0.32
SA	WD03.40L	SWAR	MID	0.43	0.52	0.48
SA	WD03.40L	SWAR	ULT	0.45	0.55	0.50
SA	WD07.06L	SWAR	EXIST	0.29	0.35	0.32
SA	WD07.06L	SWAR	MID	0.43	0.52	0.48
SA	WD07.06L	SWAR	ULT	0.45	0.55	0.50

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ALLOD X(6)	TYPE XX	TYPE X(16)	STORMWATER AREA ID X(4)	SYMBOL XX	TYPE X(16)	OUTFALL ID X(4)	SYMBOL X(4)	PERCENT >>9
STORM	SA	CB06.37L	SWAR	OF	CB06.37L	OUTF		100
STORM	SA	CB06.59L	SWAR	OF	CB06.59L	OUTF		100
STORM	SA	CB06.76L	SWAR	OF	CB06.76L	OUTF		100
STORM	SA	CB06.86L	SWAR	OF	CB06.86L	OUTF		100
STORM	SA	CB06.99L	SWAR	OF	CB06.99L	OUTF		100
STORM	SA	CB07.08L	SWAR	OF	CB07.08L	OUTF		100
STORM	SA	CB07.28L	SWAR	OF	CB07.28L	OUTF		100
STORM	SA	CB07.34L	SWAR	OF	CB07.34L	OUTF		100
STORM	SA	CB07.53L	SWAR	OF	CB07.53L	OUTF		100
STORM	SA	CB07.74L	SWAR	OF	CB07.74L	OUTF		100
STORM	SA	CB08.12L	SWAR	OF	CB08.12L	OUTF		100
STORM	SA	CB08.18L	SWAR	OF	CB08.18L	OUTF		100
STORM	SA	CB08.33L	SWAR	OF	CB08.33L	OUTF		100
STORM	SA	CB08.85L	SWAR	OF	CB08.85L	OUTF		100
STORM	SA	CB09.20L	SWAR	OF	CB09.20L	OUTF		100
STORM	SA	CB09.29L	SWAR	OF	CB09.29L	OUTF		100
STORM	SA	CB09.31L	SWAR	OF	CB09.31L	OUTF		100
STORM	SA	CB09.53L	SWAR	OF	CB09.53L	OUTF		100
STORM	SA	CB09.71L	SWAR	OF	CB09.71L	OUTF		100
STORM	SA	CB09.82L	SWAR	OF	CB09.82L	OUTF		100
STORM	SA	CB09.93L	SWAR	OF	CB09.93L	OUTF		100
STORM	SA	CB10.07L	SWAR	OF	CB10.07L	OUTF		100
STORM	SA	CB10.25L	SWAR	OF	CB10.25L	OUTF		100
STORM	SA	CB10.35L	SWAR	OF	CB10.35L	OUTF		100
STORM	SA	CB10.54L	SWAR	OF	CB10.54L	OUTF		100
STORM	SA	CB10.78L	SWAR	OF	CB10.78L	OUTF		100
STORM	SA	CB10.97L	SWAR	OF	CB10.97L	OUTF		100
STORM	SA	CB11.10L	SWAR	OF	CB11.10L	OUTF		100
STORM	SA	CB11.12L	SWAR	OF	CB11.12L	OUTF		100
STORM	SA	CB11.15L	SWAR	OF	CB11.15L	OUTF		100
STORM	SA	CB11.47L	SWAR	OF	CB11.47L	OUTF		100
STORM	SA	CB11.69L	SWAR	OF	CB11.69L	OUTF		100
STORM	SA	CB11.73L	SWAR	OF	CB11.73L	OUTF		100
STORM	SA	CB11.85L	SWAR	OF	CB11.85L	OUTF		100
STORM	SA	CB12.10L	SWAR	OF	CB12.10L	OUTF		100
STORM	SA	CB12.19L	SWAR	OF	CB12.19L	OUTF		100
STORM	SA	CB12.35L	SWAR	OF	CB12.35L	OUTF		100
STORM	SA	CB12.38L	SWAR	OF	CB12.38L	OUTF		100
STORM	SA	CB12.43L	SWAR	OF	CB12.43L	OUTF		100
STORM	SA	CB12.72L	SWAR	OF	CB12.72L	OUTF		100
STORM	SA	CB12.86L	SWAR	OF	CB12.86L	OUTF		100
STORM	SA	CB12.99L	SWAR	OF	CB12.99L	OUTF		100
STORM	SA	CB13.05L	SWAR	OF	CB13.05L	OUTF		100
STORM	SA	CB13.11L	SWAR	OF	CB13.11L	OUTF		100
STORM	SA	CB13.19L	SWAR	OF	CB13.19L	OUTF		100
STORM	SA	CB13.29L	SWAR	OF	CB13.29L	OUTF		100
STORM	SA	CB13.36L	SWAR	OF	CB13.36L	OUTF		100
STORM	SA	CB13.44L	SWAR	OF	CB13.44L	OUTF		100
STORM	SA	CB13.50L	SWAR	OF	CB13.50L	OUTF		100
STORM	SA	CB13.56L	SWAR	OF	CB13.56L	OUTF		50
STORM	SA	CB13.56L	SWAR	OF	CB13.52L	OUTF		50
STORM	SA	CB13.68L	SWAR	OF	CB13.68L	OUTF		100
STORM	SA	CB13.76L	SWAR	OF	CB13.76L	OUTF		100

REGIONAL STORMWATER MASTER PLAN DATA

STORM	SA	CB13.82L	SWAR	OF	CB13.82L	OUTF	100
STORM	SA	CB13.87L	SWAR	OF	CB13.87L	OUTF	100
STORM	SA	CB13.93L	SWAR	OF	CB13.93L	OUTF	100
STORM	SA	CB14.00L	SWAR	OF	CB14.00L	OUTF	100
STORM	SA	CB14.06L	SWAR	OF	CB14.06L	OUTF	100
STORM	SA	CB14.20L	SWAR	OF	CB14.20L	OUTF	100
STORM	SA	CB14.24L	SWAR	OF	CB14.24L	OUTF	100
STORM	SA	CB14.32L	SWAR	OF	CB14.32L	OUTF	100
STORM	SA	CB14.44L	SWAR	OF	CB14.44L	OUTF	100
STORM	SA	CB14.48L	SWAR	OF	CB14.48L	OUTF	100
STORM	SA	CB14.60L	SWAR	OF	CB14.60L	OUTF	100
STORM	SA	CB16.53L	SWAR	OF	CB16.53L	OUTF	100
STORM	SA	IH00.70L	SWAR	OF	IH00.70L	OUTF	100
STORM	SA	IH01.40L	SWAR	OF	IH01.40L	OUTF	100
STORM	SA	IH05.09L	SWAR	OF	IH05.09L	OUTF	100
STORM	SA	IH05.47L	SWAR	OF	IH05.47L	OUTF	100
STORM	SA	IH05.66L	SWAR	OF	IH05.66L	OUTF	100
STORM	SA	IH05.85L	SWAR	OF	IH05.85L	OUTF	100
STORM	SA	IH05.90L	SWAR	OF	IH05.90L	OUTF	100
STORM	SA	IH06.04L	SWAR	OF	IH06.04L	OUTF	100
STORM	SA	IH07.18L	SWAR	OF	IH07.18L	OUTF	100
STORM	SA	IH07.32L	SWAR	OF	IH07.32L	OUTF	100
STORM	SA	IH08.46L	SWAR	OF	IH08.46L	OUTF	100
STORM	SA	IH10.73L	SWAR	OF	IH10.73L	OUTF	100
STORM	SA	IH11.50L	SWAR	OF	IH11.50L	OUTF	100
STORM	SA	IH12.15L	SWAR	OF	IH12.15L	OUTF	100
STORM	SA	IH12.67L	SWAR	OF	IH12.67L	OUTF	100
STORM	SA	IH12.95L	SWAR	OF	IH12.95L	OUTF	100
STORM	SA	IH16.19L	SWAR	OF	IH16.19L	OUTF	100
STORM	SA	IH16.71L	SWAR	OF	IH16.71L	OUTF	100
STORM	SA	IH17.04L	SWAR	OF	IH17.04L	OUTF	100
STORM	SA	IH17.70L	SWAR	OF	IH17.70L	OUTF	100
STORM	SA	IH18.65L	SWAR	OF	IH18.65L	OUTF	100
STORM	SA	IH19.31L	SWAR	OF	IH19.31L	OUTF	100
STORM	SA	LM00.09L	SWAR	OF	LM00.09L	OUTF	100
STORM	SA	LM00.13L	SWAR	OF	LM00.13L	OUTF	100
STORM	SA	LM00.14L	SWAR	OF	LM00.14L	OUTF	100
STORM	SA	LM00.32L	SWAR	OF	LM00.32L	OUTF	100
STORM	SA	LM00.41L	SWAR	OF	LM00.41L	OUTF	100
STORM	SA	LM00.66L	SWAR	OF	LM00.66L	OUTF	100
STORM	SA	LM00.85L	SWAR	OF	LM00.85L	OUTF	100
STORM	SA	LM00.95L	SWAR	OF	LM00.95L	OUTF	100
STORM	SA	LM01.47L	SWAR	OF	LM01.47L	OUTF	100
STORM	SA	LM01.90L	SWAR	OF	LM01.90L	OUTF	100
STORM	SA	LM02.15L	SWAR	OF	LM02.15L	OUTF	100
STORM	SA	LM02.29L	SWAR	OF	LM02.29L	OUTF	50
STORM	SA	LM02.29L	SWAR	OF	LM02.58L	OUTF	50
STORM	SA	LM03.02L	SWAR	OF	LM03.02L	OUTF	50
STORM	SA	LM03.02L	SWAR	OF	LM03.34L	OUTF	50
STORM	SA	LM03.81L	SWAR	OF	LM03.81L	OUTF	100
STORM	SA	LM03.95L	SWAR	OF	LM03.95L	OUTF	100
STORM	SA	LM04.14L	SWAR	OF	LM04.14L	OUTF	100
STORM	SA	LM04.28L	SWAR	OF	LM04.28L	OUTF	100
STORM	SA	LM04.32L	SWAR	OF	LM04.32L	OUTF	100
STORM	SA	LM04.37	SWAR	OF	LM04.37	OUTF	100
STORM	SA	LM04.51L	SWAR	OF	LM04.51L	OUTF	100

REGIONAL STORMWATER MASTER PLAN DATA

STORM	SA	LM04.67L	SWAR	OF	LM04.67L	OUTF	100
STORM	SA	LM04.75L	SWAR	OF	LM04.75L	OUTF	100
STORM	SA	LM04.84L	SWAR	OF	LM04.84L	OUTF	100
STORM	SA	LM05.26L	SWAR	OF	LM05.26L	OUTF	100
STORM	SA	LM05.40L	SWAR	OF	LM05.40L	OUTF	100
STORM	SA	NB00.26L	SWAR	OF	NB00.26L	OUTF	100
STORM	SA	NB00.28L	SWAR	OF	NB00.28L	OUTF	100
STORM	SA	NB00.32L	SWAR	OF	NB00.32L	OUTF	100
STORM	SA	NB00.49L	SWAR	OF	NB00.49L	OUTF	100
STORM	SA	NB00.54L	SWAR	OF	NB00.54L	OUTF	100
STORM	SA	NB00.59L	SWAR	OF	NB00.59L	OUTF	100
STORM	SA	NB00.64L	SWAR	OF	NB00.64L	OUTF	100
STORM	SA	NB00.69L	SWAR	OF	NB00.69L	OUTF	100
STORM	SA	NB00.83L	SWAR	OF	NB00.83L	OUTF	100
STORM	SA	NB00.88L	SWAR	OF	NB00.88L	OUTF	100
STORM	SA	NB00.93L	SWAR	OF	NB00.93L	OUTF	100
STORM	SA	NB00.98L	SWAR	OF	NB00.98L	OUTF	100
STORM	SA	NB01.03L	SWAR	OF	NB01.03L	OUTF	100
STORM	SA	NB01.08L	SWAR	OF	NB01.08L	OUTF	100
STORM	SA	NB01.13L	SWAR	OF	NB01.13L	OUTF	100
STORM	SA	NB01.15L	SWAR	OF	NB01.15L	OUTF	100
STORM	SA	NB01.18L	SWAR	OF	NB01.18L	OUTF	100
STORM	SA	NB01.23L	SWAR	OF	NB01.23L	OUTF	100
STORM	SA	NB01.29L	SWAR	OF	NB01.29L	OUTF	100
STORM	SA	NB01.32L	SWAR	OF	NB01.32L	OUTF	100
STORM	SA	NB01.38L	SWAR	OF	NB01.38L	OUTF	100
STORM	SA	NB01.42L	SWAR	OF	NB01.42L	OUTF	100
STORM	SA	NB01.50L	SWAR	OF	NB01.50L	OUTF	100
STORM	SA	NB01.51L	SWAR	OF	NB01.51L	OUTF	100
STORM	SA	NR06.01L	SWAR	OF	NR06.01L	OUTF	100
STORM	SA	NR06.31L	SWAR	OF	NR06.31L	OUTF	100
STORM	SA	NR06.50L	SWAR	OF	NR06.50L	OUTF	100
STORM	SA	NR07.01L	SWAR	OF	NR07.01L	OUTF	100
STORM	SA	NR07.26L	SWAR	OF	NR07.26L	OUTF	100
STORM	SA	NR07.35L	SWAR	OF	NR07.35L	OUTF	100
STORM	SA	NR07.41L	SWAR	OF	NR07.41L	OUTF	100
STORM	SA	NR07.55L	SWAR	OF	NR07.55L	OUTF	100
STORM	SA	NR07.79L	SWAR	OF	NR07.79L	OUTF	100
STORM	SA	NR08.77L	SWAR	OF	NR08.77L	OUTF	100
STORM	SA	NR08.80L	SWAR	OF	NR08.80L	OUTF	100
STORM	SA	NR08.83L	SWAR	OF	NR08.83L	OUTF	100
STORM	SA	NR08.92L	SWAR	OF	NR08.92L	OUTF	100
STORM	SA	NR09.96L	SWAR	OF	NR09.96L	OUTF	100
STORM	SA	NR11.70L	SWAR	OF	NR11.70L	OUTF	100
STORM	SA	NR11.73L	SWAR	OF	NR11.73L	OUTF	100
STORM	SA	NR13.31L	SWAR	OF	NR13.31L	OUTF	100
STORM	SA	NR13.67L	SWAR	OF	NR13.67L	OUTF	100
STORM	SA	NR13.95L	SWAR	OF	NR13.95L	OUTF	100
STORM	SA	NR14.07L	SWAR	OF	NR14.07L	OUTF	100
STORM	SA	NR14.37L	SWAR	OF	NR14.37L	OUTF	100
STORM	SA	NR14.86L	SWAR	OF	NR14.86L	OUTF	100
STORM	SA	NR15.24L	SWAR	OF	NR15.24L	OUTF	100
STORM	SA	NR15.66L	SWAR	OF	NR15.66L	OUTF	100
STORM	SA	NR16.40L	SWAR	OF	NR16.40L	OUTF	100
STORM	SA	NR16.61L	SWAR	OF	NR16.61L	OUTF	100
STORM	SA	NR16.90L	SWAR	OF	NR16.90L	OUTF	100

REGIONAL STORMWATER MASTER PLAN DATA

STORM	SA	NR19.08L	SWAR	OF	NR19.08L	OUTF	100
STORM	SA	NR20.28L	SWAR	OF	NR20.28L	OUTF	100
STORM	SA	NR21.53L	SWAR	OF	NR21.53L	OUTF	100
STORM	SA	NR22.95L	SWAR	OF	NR22.95L	OUTF	100
STORM	SA	NR28.63L	SWAR	OF	NR28.63L	OUTF	100
STORM	SA	NR28.66L	SWAR	OF	NR28.66L	OUTF	100
STORM	SA	NR28.69L	SWAR	OF	NR28.69L	OUTF	100
STORM	SA	NR31.25L	SWAR	OF	NR31.25L	OUTF	100
STORM	SA	NR32.04L	SWAR	OF	NR32.04L	OUTF	100
STORM	SA	NR34.50L	SWAR	OF	NR34.50L	OUTF	100
STORM	SA	NR35.40L	SWAR	OF	NR35.40L	OUTF	100
STORM	SA	NR35.73L	SWAR	OF	NR35.73L	OUTF	100
STORM	SA	NR35.96L	SWAR	OF	NR35.96L	OUTF	100
STORM	SA	OB04.25L	SWAR	OF	OB04.25L	OUTF	100
STORM	SA	OB04.47L	SWAR	OF	OB04.47L	OUTF	100
STORM	SA	OB04.56L	SWAR	OF	OB04.56L	OUTF	100
STORM	SA	OB04.66L	SWAR	OF	OB04.66L	OUTF	100
STORM	SA	OB04.73L	SWAR	OF	OB04.73L	OUTF	100
STORM	SA	OB04.80L	SWAR	OF	OB04.80L	OUTF	100
STORM	SA	OB04.86L	SWAR	OF	OB04.86L	OUTF	100
STORM	SA	OB04.92L	SWAR	OF	OB04.92L	OUTF	100
STORM	SA	OB05.10L	SWAR	OF	OB05.10L	OUTF	100
STORM	SA	OB05.25L	SWAR	OF	OB05.25L	OUTF	100
STORM	SA	OB05.32L	SWAR	OF	OB05.32L	OUTF	100
STORM	SA	OB05.62L	SWAR	OF	OB05.62L	OUTF	100
STORM	SA	OB05.97L	SWAR	OF	OB05.97L	OUTF	100
STORM	SA	OB06.85L	SWAR	OF	OB06.85L	OUTF	100
STORM	SA	OB07.32L	SWAR	OF	OB07.32L	OUTF	100
STORM	SA	OB08.46L	SWAR	OF	OB08.46L	OUTF	100
STORM	SA	OB08.63L	SWAR	OF	OB08.63L	OUTF	100
STORM	SA	OB00.29R	SWAR	OF	OB00.29R	OUTF	100
STORM	SA	OB00.29R	SWAR	OF	OB00.29R	OUTF	100
STORM	SA	OB01.00R	SWAR	OF	OB01.00R	OUTF	100
STORM	SA	OB01.08R	SWAR	OF	OB01.08R	OUTF	100
STORM	SA	OB01.23R	SWAR	OF	OB01.23R	OUTF	100
STORM	SA	OB01.30R	SWAR	OF	OB01.30R	OUTF	100
STORM	SA	OB02.38R	SWAR	OF	OB02.38R	OUTF	100
STORM	SA	OB02.40R	SWAR	OF	OB02.40R	OUTF	100
STORM	SA	OB03.04R	SWAR	OF	OB03.04R	OUTF	100
STORM	SA	OB03.17R	SWAR	OF	OB03.17R	OUTF	100
STORM	SA	OB03.23R	SWAR	OF	OB03.23R	OUTF	100
STORM	SA	OB03.50R	SWAR	OF	OB03.50R	OUTF	100
STORM	SA	OB03.65R	SWAR	OF	OB03.65R	OUTF	100
STORM	SA	OB04.07R	SWAR	OF	OB04.07R	OUTF	100
STORM	SA	OB04.09R	SWAR	OF	OB04.09R	OUTF	100
STORM	SA	OB04.23R	SWAR	OF	OB04.23R	OUTF	100
STORM	SA	OB04.54R	SWAR	OF	OB04.54R	OUTF	100
STORM	SA	OB04.58R	SWAR	OF	OB04.58R	OUTF	100
STORM	SA	OB04.64R	SWAR	OF	OB04.64R	OUTF	100
STORM	SA	OB05.14R	SWAR	OF	OB05.14R	OUTF	100
STORM	SA	OB05.35R	SWAR	OF	OB05.35R	OUTF	100
STORM	SA	OB05.49R	SWAR	OF	OB05.49R	OUTF	100
STORM	SA	OB05.65R	SWAR	OF	OB05.65R	OUTF	100
STORM	SA	OB05.84R	SWAR	OF	OB05.84R	OUTF	100
STORM	SA	OB06.65R	SWAR	OF	OB06.65R	OUTF	100
STORM	SA	OB07.05R	SWAR	OF	OB07.05R	OUTF	100

REGIONAL STORMWATER MASTER PLAN DATA

STORM	SA	0808.47R	SWAF	OF	0808.47R	OUTF	100
STORM	SA	0808.50R	SWAF	OF	0808.50R	OUTF	100
STORM	SA	0809.47R	SWAF	OF	0809.47R	OUTF	100
STORM	SA	0809.89R	SWAF	OF	0809.89R	OUTF	100
STORM	SA	0810.03R	SWAF	OF	0810.03R	OUTF	100
STORM	SA	0000.09R	SWAF	OF	0000.09R	OUTF	100
STORM	SA	0001.36R	SWAF	OF	0001.36R	OUTF	100
STORM	SA	0002.57R	SWAF	OF	0002.57R	OUTF	100
STORM	SA	0002.64R	SWAF	OF	0002.64R	OUTF	100
STORM	SA	0002.86R	SWAF	OF	0002.86R	OUTF	100
STORM	SA	0003.57R	SWAF	OF	0003.57R	OUTF	100
STORM	SA	0004.13R	SWAF	OF	0004.13R	OUTF	100
STORM	SA	0004.36R	SWAF	OF	0004.36R	OUTF	100
STORM	SA	0004.37R	SWAF	OF	0004.37R	OUTF	100
STORM	SA	0004.38R	SWAF	OF	0004.38R	OUTF	100
STORM	SA	0004.45R	SWAF	OF	0004.45R	OUTF	100
STORM	SA	0004.47R	SWAF	OF	0004.47R	OUTF	100
STORM	SA	0004.51R	SWAF	OF	0004.51R	OUTF	100
STORM	SA	0004.56R	SWAF	OF	0004.56R	OUTF	100
STORM	SA	0004.61R	SWAF	OF	0004.61R	OUTF	100
STORM	SA	0004.69R	SWAF	OF	0004.69R	OUTF	100
STORM	SA	0004.78R	SWAF	OF	0004.78R	OUTF	100
STORM	SA	0004.82R	SWAF	OF	0004.82R	OUTF	100
STORM	SA	0004.87R	SWAF	OF	0004.87R	OUTF	100
STORM	SA	0004.88R	SWAF	OF	0004.88R	OUTF	100
STORM	SA	0004.91R	SWAF	OF	0004.91R	OUTF	100
STORM	SA	0005.01R	SWAF	OF	0005.01R	OUTF	100
STORM	SA	0005.09R	SWAF	OF	0005.09R	OUTF	100
STORM	SA	0005.14R	SWAF	OF	0005.14R	OUTF	100
STORM	SA	0005.26R	SWAF	OF	0005.26R	OUTF	100
STORM	SA	0005.53R	SWAF	OF	0005.53R	OUTF	100
STORM	SA	0005.67R	SWAF	OF	0005.67R	OUTF	100
STORM	SA	0005.81R	SWAF	OF	0005.81R	OUTF	100
STORM	SA	0005.90R	SWAF	OF	0005.90R	OUTF	100
STORM	SA	0006.03R	SWAF	OF	0006.03R	OUTF	100
STORM	SA	0006.33R	SWAF	OF	0006.33R	OUTF	100
STORM	SA	0006.42	SWAF	OF	0006.42	OUTF	100
STORM	SA	0006.61R	SWAF	OF	0006.61R	OUTF	100
STORM	SA	0006.73R	SWAF	OF	0006.73R	OUTF	100
STORM	SA	0007.39R	SWAF	OF	0007.39R	OUTF	100
STORM	SA	0007.94R	SWAF	OF	0007.94R	OUTF	100
STORM	SA	0008.11R	SWAF	OF	0008.11R	OUTF	100
STORM	SA	0009.35R	SWAF	OF	0009.35R	OUTF	100
STORM	SA	0009.45R	SWAF	OF	0009.45R	OUTF	100
STORM	SA	0009.50R	SWAF	OF	0009.50R	OUTF	100
STORM	SA	0009.98R	SWAF	OF	0009.98R	OUTF	100
STORM	SA	0010.10R	SWAF	OF	0010.10R	OUTF	100
STORM	SA	0010.97R	SWAF	OF	0010.97R	OUTF	100
STORM	SA	0012.46R	SWAF	OF	0012.46R	OUTF	100
STORM	SA	0013.48R	SWAF	OF	0013.48R	OUTF	100
STORM	SA	0015.93R	SWAF	OF	0015.93R	OUTF	100
STORM	SA	0015.97R	SWAF	OF	0015.97R	OUTF	100
STORM	SA	0016.61R	SWAF	OF	0016.61R	OUTF	100
STORM	SA	0016.92R	SWAF	OF	0016.92R	OUTF	100
STORM	SA	0016.94R	SWAF	OF	0016.94R	OUTF	100
STORM	SA	0018.87R	SWAF	OF	0018.87R	OUTF	100

REGIONAL STORMWATER MASTER PLAN DATA

STORM	SA	0C23.86R	SWAR	OF	0C23.86R	OUTF	100
STORM	SA	0C20.25R	SWAR	OF	0C20.25R	OUTF	100
STORM	SA	0C24.60R	SWAR	OF	0C24.60R	OUTF	100
STORM	SA	0C00.29L	SWAR	OF	0C00.29L	OUTF	100
STORM	SA	0C01.14L	SWAR	OF	0C01.14L	OUTF	100
STORM	SA	0C02.43L	SWAR	OF	0C02.43L	OUTF	100
STORM	SA	0C03.43L	SWAR	OF	0C03.43L	OUTF	100
STORM	SA	0C03.81L	SWAR	OF	0C03.81L	OUTF	100
STORM	SA	0C04.87L	SWAR	OF	0C04.87L	OUTF	100
STORM	SA	0C05.50L	SWAR	OF	0C05.50L	OUTF	100
STORM	SA	0C07.97L	SWAR	OF	0C07.97L	OUTF	100
STORM	SA	0C07.99L	SWAR	OF	0C07.99L	OUTF	100
STORM	SA	0C09.45L	SWAR	OF	0C09.45L	OUTF	100
STORM	SA	0C09.50L	SWAR	OF	0C09.50L	OUTF	100
STORM	SA	0C10.35L	SWAR	OF	0C10.35L	OUTF	100
STORM	SA	0C10.40L	SWAR	OF	0C10.40L	OUTF	100
STORM	SA	0C11.43L	SWAR	OF	0C11.43L	OUTF	100
STORM	SA	0C12.04L	SWAR	OF	0C12.04L	OUTF	100
STORM	SA	0C12.32L	SWAR	OF	0C12.32L	OUTF	100
STORM	SA	0C13.29L	SWAR	OF	0C13.29L	OUTF	100
STORM	SA	0C15.50L	SWAR	OF	0C15.50L	OUTF	100
STORM	SA	0C15.93L	SWAR	OF	0C15.93L	OUTF	100
STORM	SA	0C15.97L	SWAR	OF	0C15.97L	OUTF	100
STORM	SA	0C16.93L	SWAR	OF	0C16.93L	OUTF	100
STORM	SA	0C16.94L	SWAR	OF	0C16.94L	OUTF	100
STORM	SA	0C18.87L	SWAR	OF	0C18.87L	OUTF	100
STORM	SA	0C20.50L	SWAR	OF	0C20.50L	OUTF	100
STORM	SA	0C22.68L	SWAR	OF	0C22.68L	OUTF	100
STORM	SA	0C23.86L	SWAR	OF	0C23.86L	OUTF	100
STORM	SA	PI00.01	SWAR	OF	PI00.01	OUTF	100
STORM	SA	PI00.02	SWAR	OF	PI00.02	OUTF	100
STORM	SA	PI00.03	SWAR	OF	PI00.03	OUTF	100
STORM	SA	PI00.04	SWAR	OF	PI00.04	OUTF	100
STORM	SA	PI00.05	SWAR	OF	PI00.05	OUTF	100
STORM	SA	PI00.06	SWAR	OF	PI00.06	OUTF	100
STORM	SA	PI00.07	SWAR	OF	PI00.07	OUTF	100
STORM	SA	PI00.08	SWAR	OF	PI00.08	OUTF	100
STORM	SA	PI00.09	SWAR	OF	PI00.09	OUTF	100
STORM	SA	PI00.10	SWAR	OF	PI00.10	OUTF	100
STORM	SA	PI00.11	SWAR	OF	PI00.11	OUTF	100
STORM	SA	PI00.12	SWAR	OF	PI00.12	OUTF	100
STORM	SA	PI00.13	SWAR	OF	PI00.13	OUTF	100
STORM	SA	PI00.14	SWAR	OF	PI00.14	OUTF	100
STORM	SA	PI00.15	SWAR	OF	PI00.15	OUTF	100
STORM	SA	PI00.16	SWAR	OF	PI00.16	OUTF	100
STORM	SA	WD02.42R	SWAR	OF	WD02.42R	OUTF	100
STORM	SA	WD02.49R	SWAR	OF	WD02.49R	OUTF	100
STORM	SA	WD03.39R	SWAR	OF	WD03.39R	OUTF	100
STORM	SA	WD03.40R	SWAR	OF	WD03.40R	OUTF	100
STORM	SA	WD06.66R	SWAR	OF	WD06.66R	OUTF	100
STORM	SA	WD08.67R	SWAR	OF	WD08.67R	OUTF	100
STORM	SA	WD02.42L	SWAR	OF	WD02.42L	OUTF	100
STORM	SA	WD02.49L	SWAR	OF	WD02.49L	OUTF	100
STORM	SA	WD03.39L	SWAR	OF	WD03.39L	OUTF	100
STORM	SA	WD03.40L	SWAR	OF	WD03.40L	OUTF	100
STORM	SA	WD07.06L	SWAR	OF	WD07.06L	OUTF	100

REGIONAL STORMWATER MASTER PLAN DATA

TYPE XY	STORMWATER X(16)	AREA ID X(4)	SYMBOL X(4)	SCENARIO ID X(6)	SOIL TYPE X(8)	PERCENT >>>
SA	CB06.37L		SWAR	EXIST	D	100
SA	CB06.59L		SWAR	EXIST	D	100
SA	CB06.76L		SWAR	EXIST	D	100
SA	CB06.86L		SWAR	EXIST	E	100
SA	CB06.99L		SWAR	EXIST	D	100
SA	CB07.09L		SWAR	EXIST	E	100
SA	CB07.29L		SWAR	EXIST	D	100
SA	CB07.34L		SWAR	EXIST	E	100
SA	CB07.53L		SWAR	EXIST	D	100
SA	CB07.74L		SWAR	EXIST	D	100
SA	CB09.12L		SWAR	EXIST	D	100
SA	CB09.18L		SWAR	EXIST	D	100
SA	CB09.33L		SWAR	EXIST	D	100
SA	CB09.95L		SWAR	EXIST	D	100
SA	CB09.20L		SWAR	EXIST	D	100
SA	CB09.29L		SWAR	EXIST	D	100
SA	CB09.31L		SWAR	EXIST	D	100
SA	CB09.53L		SWAR	EXIST	D	100
SA	CB09.71L		SWAR	EXIST	E	100
SA	CB09.82L		SWAR	EXIST	E	100
SA	CB09.93L		SWAR	EXIST	D	100
SA	CB10.07L		SWAR	EXIST	D	100
SA	CB10.25L		SWAR	EXIST	D	100
SA	CB10.35L		SWAR	EXIST	E	100
SA	CB10.54L		SWAR	EXIST	D	100
SA	CB10.78L		SWAR	EXIST	D	100
SA	CB10.97L		SWAR	EXIST	D	100
SA	CB11.10L		SWAR	EXIST	D	100
SA	CB11.12L		SWAR	EXIST	D	100
SA	CB11.15L		SWAR	EXIST	D	100
SA	CB11.47L		SWAR	EXIST	D	100
SA	CB11.69L		SWAR	EXIST	D	100
SA	CB11.73L		SWAR	EXIST	D	100
SA	CB11.85L		SWAR	EXIST	E	100
SA	CB10.10L		SWAR	EXIST	D	100
SA	CB12.19L		SWAR	EXIST	E	100
SA	CB12.35L		SWAR	EXIST	E	100
SA	CB12.39L		SWAR	EXIST	E	100
SA	CB12.43L		SWAR	EXIST	D	100
SA	CB12.72L		SWAR	EXIST	D	100
SA	CB12.89L		SWAR	EXIST	D	100
SA	CB12.99L		SWAR	EXIST	D	100
SA	CB13.05L		SWAR	EXIST	D	100
SA	CB13.11L		SWAR	EXIST	D	100
SA	CB13.19L		SWAR	EXIST	D	100
SA	CB13.29L		SWAR	EXIST	D	100
SA	CB13.39L		SWAR	EXIST	D	100
SA	CB13.44L		SWAR	EXIST	E	100
SA	CB13.50L		SWAR	EXIST	D	100
SA	CB13.56L		SWAR	EXIST	D	100
SA	CB13.62L		SWAR	EXIST	D	100
SA	CB13.68L		SWAR	EXIST	D	100
SA	CB13.76L		SWAR	EXIST	D	100

REGIONAL STORMWATER MASTER PLAN DATA

BA	CB13.82L	SWAR	EXIST	D	100
BA	CB13.87L	SWAR	EXIST	D	100
BA	CB13.93L	SWAR	EXIST	D	100
BA	CB14.00L	SWAR	EXIST	D	100
BA	CB14.04L	SWAR	EXIST	D	100
BA	CB14.20L	SWAR	EXIST	D	100
BA	CB14.24L	SWAR	EXIST	D	100
BA	CB14.32L	SWAR	EXIST	D	100
BA	CB14.44L	SWAR	EXIST	D	100
BA	CB14.48L	SWAR	EXIST	D	100
BA	CB14.60L	SWAR	EXIST	D	100
BA	CB16.83L	SWAR	EXIST	D	100
BA	IH00.70L	SWAR	EXIST	B	10
BA	IH00.70L	SWAR	EXIST	C	20
BA	IH00.70L	SWAR	EXIST	D	70
BA	IH01.40L	SWAR	EXIST	B	10
BA	IH01.40L	SWAR	EXIST	C	20
BA	IH01.40L	SWAR	EXIST	D	70
BA	IH05.09L	SWAR	EXIST	B	10
BA	IH05.09L	SWAR	EXIST	C	20
BA	IH05.09L	SWAR	EXIST	D	70
BA	IH05.47L	SWAR	EXIST	B	10
BA	IH05.47L	SWAR	EXIST	C	20
BA	IH05.47L	SWAR	EXIST	D	70
BA	IH05.66L	SWAR	EXIST	B	10
BA	IH05.66L	SWAR	EXIST	C	20
BA	IH05.66L	SWAR	EXIST	D	70
BA	IH05.85L	SWAR	EXIST	B	10
BA	IH05.85L	SWAR	EXIST	C	20
BA	IH05.85L	SWAR	EXIST	D	70
BA	IH05.90L	SWAR	EXIST	B	10
BA	IH05.90L	SWAR	EXIST	C	20
BA	IH05.90L	SWAR	EXIST	D	70
BA	IH06.04L	SWAR	EXIST	B	10
BA	IH06.04L	SWAR	EXIST	C	20
BA	IH06.04L	SWAR	EXIST	D	70
BA	IH07.18L	SWAR	EXIST	B	10
BA	IH07.18L	SWAR	EXIST	C	20
BA	IH07.18L	SWAR	EXIST	D	70
BA	IH07.32L	SWAR	EXIST	B	10
BA	IH07.32L	SWAR	EXIST	C	20
BA	IH07.32L	SWAR	EXIST	D	70
BA	IH08.46L	SWAR	EXIST	B	10
BA	IH08.46L	SWAR	EXIST	C	20
BA	IH08.46L	SWAR	EXIST	D	70
BA	IH10.73L	SWAR	EXIST	B	10
BA	IH10.73L	SWAR	EXIST	C	20
BA	IH10.73L	SWAR	EXIST	D	70
BA	IH11.50L	SWAR	EXIST	B	10
BA	IH11.50L	SWAR	EXIST	C	20
BA	IH11.50L	SWAR	EXIST	D	70
BA	IH11.16L	SWAR	EXIST	B	10
BA	IH12.16L	SWAR	EXIST	C	20
BA	IH12.16L	SWAR	EXIST	D	70
BA	IH12.67L	SWAR	EXIST	B	10
BA	IH12.67L	SWAR	EXIST	C	20

REGIONAL STORMWATER MASTER PLAN DATA

SA	IH12.67L	SWAR	EXIST	D	70
SA	IH12.95L	SWAR	EXIST	S	10
SA	IH12.95L	SWAR	EXIST	C	20
SA	IH12.95L	SWAR	EXIST	D	70
SA	IH16.19L	SWAR	EXIST	E	10
SA	IH16.19L	SWAR	EXIST	C	20
SA	IH16.19L	SWAR	EXIST	D	70
SA	IH16.71L	SWAR	EXIST	B	10
SA	IH16.71L	SWAR	EXIST	C	20
SA	IH16.71L	SWAR	EXIST	D	70
SA	IH17.04L	SWAR	EXIST	E	10
SA	IH17.04L	SWAR	EXIST	C	20
SA	IH17.04L	SWAR	EXIST	D	70
SA	IH17.70L	SWAR	EXIST	E	10
SA	IH17.70L	SWAR	EXIST	C	20
SA	IH17.70L	SWAR	EXIST	D	70
SA	IH18.65L	SWAR	EXIST	B	10
SA	IH18.65L	SWAR	EXIST	C	20
SA	IH18.65L	SWAR	EXIST	D	70
SA	IH19.31L	SWAR	EXIST	B	10
SA	IH19.31L	SWAR	EXIST	C	20
SA	IH19.31L	SWAR	EXIST	D	70
SA	LM00.09L	SWAR	EXIST	E	100
SA	LM00.13L	SWAR	EXIST	E	100
SA	LM00.14L	SWAR	EXIST	E	100
SA	LM00.32L	SWAR	EXIST	E	100
SA	LM00.41L	SWAR	EXIST	E	100
SA	LM00.66L	SWAR	EXIST	E	100
SA	LM00.85L	SWAR	EXIST	E	100
SA	LM00.95L	SWAR	EXIST	E	100
SA	LM01.47L	SWAR	EXIST	E	100
SA	LM01.90L	SWAR	EXIST	E	100
SA	LM02.15L	SWAR	EXIST	E	100
SA	LM02.29L	SWAR	EXIST	E	100
SA	LM02.58L	SWAR	EXIST	E	100
SA	LM03.02L	SWAR	EXIST	E	100
SA	LM03.34L	SWAR	EXIST	E	100
SA	LM03.81L	SWAR	EXIST	E	100
SA	LM03.95L	SWAR	EXIST	E	100
SA	LM04.14L	SWAR	EXIST	E	100
SA	LM04.28L	SWAR	EXIST	E	100
SA	LM04.32L	SWAR	EXIST	E	100
SA	LM04.37	SWAR	EXIST	E	100
SA	LM04.51L	SWAR	EXIST	E	100
SA	LM04.67L	SWAR	EXIST	E	100
SA	LM04.75L	SWAR	EXIST	E	100
SA	LM04.84L	SWAR	EXIST	E	100
SA	LM05.26L	SWAR	EXIST	E	100
SA	LM05.48L	SWAR	EXIST	E	100
SA	NE00.26L	SWAR	EXIST	D	100
SA	NE00.28L	SWAR	EXIST	D	100
SA	NE00.32L	SWAR	EXIST	D	100
SA	NE00.49L	SWAR	EXIST	D	100
SA	NE00.54L	SWAR	EXIST	D	100
SA	NE00.59L	SWAR	EXIST	D	100
SA	NE00.69L	SWAR	EXIST	D	100

REGIONAL STORMWATER MASTER PLAN DATA

SA	NR28.63L	SWAR	EXIST	D	25
SA	NR28.66L	SWAR	EXIST	B	50
SA	NR29.66L	SWAR	EXIST	C	25
SA	NR28.66L	SWAR	EXIST	D	25
SA	NR28.69L	SWAR	EXIST	B	50
SA	NR28.69L	SWAR	EXIST	C	25
SA	NR28.69L	SWAR	EXIST	D	25
SA	NR31.25L	SWAR	EXIST	F	50
SA	NR31.25L	SWAR	EXIST	C	25
SA	NR31.25L	SWAR	EXIST	D	25
SA	NR32.04L	SWAR	EXIST	F	50
SA	NR32.04L	SWAR	EXIST	C	25
SA	NR32.04L	SWAR	EXIST	D	25
SA	NR34.50L	SWAR	EXIST	B	50
SA	NR34.50L	SWAR	EXIST	C	25
SA	NR34.50L	SWAR	EXIST	D	25
SA	NR35.40L	SWAR	EXIST	F	50
SA	NR35.40L	SWAR	EXIST	C	25
SA	NR35.40L	SWAR	EXIST	D	25
SA	NR35.73L	SWAR	EXIST	B	50
SA	NR35.73L	SWAR	EXIST	C	25
SA	NR35.73L	SWAR	EXIST	D	25
SA	NR35.96L	SWAR	EXIST	F	50
SA	NR35.96L	SWAR	EXIST	C	25
SA	NR35.96L	SWAR	EXIST	D	25
SA	OB04.25L	SWAR	EXIST	D	100
SA	OB04.47L	SWAR	EXIST	D	100
SA	OB04.56L	SWAR	EXIST	F	100
SA	OB04.66L	SWAR	EXIST	F	100
SA	OB04.73L	SWAR	EXIST	D	100
SA	OB04.90L	SWAR	EXIST	D	100
SA	OB04.96L	SWAR	EXIST	D	100
SA	OB04.92L	SWAR	EXIST	D	100
SA	OB05.10L	SWAR	EXIST	D	100
SA	OB05.25L	SWAR	EXIST	D	100
SA	OB05.32L	SWAR	EXIST	F	100
SA	OB05.60L	SWAR	EXIST	F	100
SA	OB05.97L	SWAR	EXIST	D	100
SA	OB06.85L	SWAR	EXIST	D	100
SA	OB07.32L	SWAR	EXIST	D	100
SA	OB08.46L	SWAR	EXIST	D	100
SA	OB06.60L	SWAR	EXIST	F	100
SA	OB00.28F	SWAR	EXIST	D	100
SA	OB00.29F	SWAR	EXIST	D	100
SA	OB01.00F	SWAR	EXIST	D	100
SA	OB01.02F	SWAR	EXIST	D	100
SA	OB01.23F	SWAR	EXIST	D	100
SA	OB01.30F	SWAR	EXIST	D	100
SA	OB02.35F	SWAR	EXIST	D	100
SA	OB02.43F	SWAR	EXIST	D	100
SA	OB03.04F	SWAR	EXIST	C	100
SA	OB00.17F	SWAR	EXIST	C	100
SA	OB03.02F	SWAR	EXIST	D	100
SA	OB00.50F	SWAR	EXIST	F	100
SA	OB00.85F	SWAR	EXIST	C	100
SA	OB04.07F	SWAR	EXIST	D	100

REGIONAL STORMWATER MASTER PLAN DATA

BA	0B04.09R	SWAF	EXIST	D	100
BA	0B04.23F	SWAF	EXIST	D	100
BA	0B04.54R	SWAF	EXIST	D	100
BA	0B04.58R	SWAF	EXIST	D	100
BA	0B04.64R	SWAF	EXIST	D	100
BA	0B05.14R	SWAF	EXIST	D	100
BA	0B05.35R	SWAF	EXIST	D	100
BA	0B05.48R	SWAF	EXIST	D	100
BA	0B05.65R	SWAF	EXIST	F	100
BA	0B05.84R	SWAF	EXIST	D	100
BA	0B06.65R	SWAF	EXIST	D	100
BA	0B07.05F	SWAF	EXIST	B	100
BA	0B08.47R	SWAF	EXIST	D	100
BA	0B08.50R	SWAF	EXIST	F	100
BA	0B09.47R	SWAF	EXIST	F	100
BA	0B09.87R	SWAF	EXIST	D	100
BA	0B10.03R	SWAF	EXIST	D	100
BA	0C00.09R	SWAF	EXIST	F	100
BA	0C01.36R	SWAF	EXIST	F	100
BA	0C02.57R	SWAF	EXIST	D	100
BA	0C02.64R	SWAF	EXIST	D	100
BA	0C02.86R	SWAF	EXIST	D	100
BA	0C03.57R	SWAF	EXIST	F	100
BA	0C04.13R	SWAF	EXIST	D	100
BA	0C04.36R	SWAF	EXIST	D	100
BA	0C04.37R	SWAF	EXIST	D	100
BA	0C04.38R	SWAF	EXIST	D	100
BA	0C04.45R	SWAF	EXIST	D	100
BA	0C04.47F	SWAF	EXIST	F	100
BA	0C04.51R	SWAF	EXIST	D	100
BA	0C04.56R	SWAF	EXIST	D	100
BA	0C04.61R	SWAF	EXIST	D	100
BA	0C04.69R	SWAF	EXIST	D	100
BA	0C04.78R	SWAF	EXIST	D	100
BA	0C04.82R	SWAF	EXIST	F	100
BA	0C04.87R	SWAF	EXIST	D	100
BA	0C04.88F	SWAF	EXIST	D	100
BA	0C04.91R	SWAF	EXIST	D	100
BA	0C05.01F	SWAF	EXIST	F	100
BA	0C05.06R	SWAF	EXIST	D	100
BA	0C05.14F	SWAF	EXIST	F	100
BA	0C05.16R	SWAF	EXIST	D	100
BA	0C05.55F	SWAF	EXIST	D	100
BA	0C05.67R	SWAF	EXIST	D	100
BA	0C05.81F	SWAF	EXIST	F	100
BA	0C05.90F	SWAF	EXIST	D	100
BA	0C06.03R	SWAF	EXIST	D	100
BA	0C06.33R	SWAF	EXIST	D	100
BA	0C06.42R	SWAF	EXIST	D	100
BA	0C06.61R	SWAF	EXIST	D	100
BA	0C06.73F	SWAF	EXIST	D	100
BA	0C07.38F	SWAF	EXIST	D	100
BA	0C07.94F	SWAF	EXIST	D	100
BA	0C08.11F	SWAF	EXIST	D	100
BA	0C09.35R	SWAF	EXIST	D	100
BA	0C09.45F	SWAF	EXIST	D	100

REGIONAL STORMWATER MASTER PLAN DATA

SA	0009.50R	SWAR	EXIST	D	100
SA	0009.98R	SWAR	EXIST	D	100
SA	0010.10R	SWAR	EXIST	D	100
SA	0010.97R	SWAR	EXIST	D	100
SA	0012.46R	SWAR	EXIST	D	100
SA	0013.48R	SWAR	EXIST	D	100
SA	0015.93R	SWAR	EXIST	D	100
SA	0015.97R	SWAR	EXIST	D	100
SA	0016.61R	SWAR	EXIST	D	100
SA	0016.92R	SWAR	EXIST	D	100
SA	0016.94R	SWAR	EXIST	D	100
SA	0016.87R	SWAR	EXIST	D	100
SA	0020.25R	SWAR	EXIST	D	100
SA	0023.86R	SWAR	EXIST	D	100
SA	0024.60R	SWAR	EXIST	D	100
SA	0000.29L	SWAR	EXIST	D	100
SA	0001.14L	SWAR	EXIST	D	100
SA	0002.43L	SWAR	EXIST	D	100
SA	0003.47L	SWAR	EXIST	D	100
SA	0003.81L	SWAR	EXIST	D	100
SA	0004.87L	SWAR	EXIST	D	100
SA	0005.80L	SWAR	EXIST	D	100
SA	0007.97L	SWAR	EXIST	D	100
SA	0007.99L	SWAR	EXIST	D	100
SA	0009.48L	SWAR	EXIST	D	100
SA	0009.50L	SWAR	EXIST	D	100
SA	0010.35L	SWAR	EXIST	D	100
SA	0010.40L	SWAR	EXIST	D	100
SA	0011.40L	SWAR	EXIST	D	100
SA	0012.04L	SWAR	EXIST	D	100
SA	0012.32L	SWAR	EXIST	D	100
SA	0017.29L	SWAR	EXIST	D	100
SA	0018.50L	SWAR	EXIST	D	100
SA	0018.93L	SWAR	EXIST	D	100
SA	0018.97L	SWAR	EXIST	D	100
SA	0018.93L	SWAR	EXIST	D	100
SA	0018.94L	SWAR	EXIST	D	100
SA	0018.87L	SWAR	EXIST	D	100
SA	0020.50L	SWAR	EXIST	D	100
SA	0022.68L	SWAR	EXIST	D	100
SA	0023.86L	SWAR	EXIST	D	100
SA	F100.01	SWAR	EXIST	D	100
SA	F100.02	SWAR	EXIST	D	100
SA	F100.03	SWAR	EXIST	D	100
SA	F100.04	SWAR	EXIST	D	100
SA	F100.05	SWAR	EXIST	D	100
SA	F100.06	SWAR	EXIST	D	100
SA	F100.07	SWAR	EXIST	D	100
SA	F100.08	SWAR	EXIST	D	100
SA	F100.09	SWAR	EXIST	D	100
SA	F100.10	SWAR	EXIST	D	100
SA	F100.11	SWAR	EXIST	D	100
SA	F100.12	SWAR	EXIST	D	100
SA	F100.13	SWAR	EXIST	D	100
SA	F100.14	SWAR	EXIST	D	100
SA	F100.15	SWAR	EXIST	D	100

REGIONAL STORMWATER MASTER PLAN DATA

SA	FI00.16	SWAP	EXIST	D	100
SA	W002.42R	SWAP	EXIST	D	100
SA	W002.49R	SWAP	EXIST	D	100
SA	W003.39R	SWAP	EXIST	D	100
SA	W003.40R	SWAP	EXIST	D	100
SA	W006.66R	SWAP	EXIST	D	100
SA	W009.67P	SWAP	EXIST	D	100
SA	W002.42L	SWAP	EXIST	D	100
SA	W002.49L	SWAP	EXIST	D	100
SA	W003.39L	SWAP	EXIST	D	100
SA	W003.40L	SWAP	EXIST	D	100
SA	W007.06L	SWAP	EXIST	D	100

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB06.86L	SWAF	MID	AG	1
SA	CB06.86L	SWAR	MID	UNDEV	20
SA	CB06.86L	SWAR	ULT	RES	71
SA	CB06.86L	SWAF	ULT	COMM	9
SA	CB06.86L	SWAR	ULT	IND	0
SA	CB06.86L	SWAR	ULT	AG	17
SA	CB06.86L	SWAR	ULT	UNDEV	3
SA	CB06.99L	SWAF	EXIST	RES	75
SA	CB06.99L	SWAR	EXIST	COMM	10
SA	CB06.99L	SWAR	EXIST	IND	0
SA	CB06.99L	SWAR	EXIST	AG	0
SA	CB06.99L	SWAR	EXIST	UNDEV	15
SA	CB06.99L	SWAR	MID	RES	71
SA	CB06.99L	SWAR	MID	COMM	9
SA	CB06.99L	SWAR	MID	IND	0
SA	CB06.99L	SWAF	MID	AG	1
SA	CB06.99L	SWAR	MID	UNDEV	20
SA	CB06.99L	SWAR	ULT	RES	71
SA	CB06.99L	SWAR	ULT	COMM	9
SA	CB06.99L	SWAR	ULT	IND	0
SA	CB06.99L	SWAR	ULT	AG	17
SA	CB06.99L	SWAR	ULT	UNDEV	3
SA	CB07.08L	SWAR	EXIST	RES	75
SA	CB07.08L	SWAR	EXIST	COMM	10
SA	CB07.08L	SWAR	EXIST	IND	0
SA	CB07.08L	SWAR	EXIST	AG	0
SA	CB07.08L	SWAR	EXIST	UNDEV	15
SA	CB07.08L	SWAR	MID	RES	71
SA	CB07.08L	SWAR	MID	COMM	9
SA	CB07.08L	SWAR	MID	IND	0
SA	CB07.08L	SWAR	MID	AG	1
SA	CB07.08L	SWAR	MID	UNDEV	20
SA	CB07.08L	SWAR	ULT	RES	71
SA	CB07.08L	SWAR	ULT	COMM	9
SA	CB07.08L	SWAR	ULT	IND	0
SA	CB07.08L	SWAR	ULT	AG	17
SA	CB07.08L	SWAR	ULT	UNDEV	3
SA	CB07.28L	SWAR	EXIST	RES	75
SA	CB07.28L	SWAR	EXIST	COMM	10
SA	CB07.28L	SWAR	EXIST	IND	0
SA	CB07.28L	SWAR	EXIST	AG	0
SA	CB07.28L	SWAR	EXIST	UNDEV	15
SA	CB07.28L	SWAR	MID	RES	71
SA	CB07.28L	SWAR	MID	COMM	9
SA	CB07.28L	SWAR	MID	IND	0
SA	CB07.28L	SWAR	MID	AG	1
SA	CB07.28L	SWAR	MID	UNDEV	20
SA	CB07.28L	SWAF	ULT	RES	71
SA	CB07.28L	SWAR	ULT	COMM	9
SA	CB07.28L	SWAR	ULT	IND	0
SA	CB07.28L	SWAR	ULT	AG	17
SA	CB07.28L	SWAR	ULT	UNDEV	3
SA	CB07.34L	SWAR	EXIST	RES	75
SA	CB07.34L	SWAR	EXIST	COMM	10
SA	CB07.34L	SWAR	EXIST	IND	0
SA	CB07.34L	SWAR	EXIST	AG	0

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB07.34L	SWAR	EXIST	UNDEV	15
SA	CB07.34L	SWAR	MID	RES	71
SA	CB07.34L	SWAR	MID	COMM	9
SA	CB07.34L	SWAR	MID	IND	0
SA	CB07.34L	SWAR	MID	AG	1
SA	CB07.34L	SWAR	MID	UNDEV	20
SA	CB07.34L	SWAR	ULT	RES	71
SA	CB07.34L	SWAR	ULT	COMM	9
SA	CB07.34L	SWAR	ULT	IND	0
SA	CB07.34L	SWAR	ULT	AG	17
SA	CB07.34L	SWAR	ULT	UNDEV	3
SA	CB07.53L	SWAR	EXIST	RES	75
SA	CB07.53L	SWAR	EXIST	COMM	10
SA	CB07.53L	SWAR	EXIST	IND	0
SA	CB07.53L	SWAR	EXIST	AG	0
SA	CB07.53L	SWAR	EXIST	UNDEV	15
SA	CB07.53L	SWAR	MID	RES	71
SA	CB07.53L	SWAR	MID	COMM	9
SA	CB07.53L	SWAR	MID	IND	0
SA	CB07.53L	SWAR	MID	AG	1
SA	CB07.53L	SWAR	MID	UNDEV	20
SA	CB07.53L	SWAR	ULT	RES	71
SA	CB07.53L	SWAR	ULT	COMM	9
SA	CB07.53L	SWAR	ULT	IND	0
SA	CB07.53L	SWAR	ULT	AG	17
SA	CB07.53L	SWAR	ULT	UNDEV	3
SA	CB07.74L	SWAR	EXIST	RES	75
SA	CB07.74L	SWAR	EXIST	COMM	10
SA	CB07.74L	SWAR	EXIST	IND	0
SA	CB07.74L	SWAR	EXIST	AG	0
SA	CB07.74L	SWAR	EXIST	UNDEV	15
SA	CB07.74L	SWAR	MID	RES	71
SA	CB07.74L	SWAR	MID	COMM	9
SA	CB07.74L	SWAR	MID	IND	0
SA	CB07.74L	SWAR	MID	AG	1
SA	CB07.74L	SWAR	MID	UNDEV	20
SA	CB07.74L	SWAR	ULT	RES	71
SA	CB07.74L	SWAR	ULT	COMM	9
SA	CB07.74L	SWAR	ULT	IND	0
SA	CB07.74L	SWAR	ULT	AG	17
SA	CB07.74L	SWAR	ULT	UNDEV	3
SA	CB08.12L	SWAR	EXIST	RES	75
SA	CB08.12L	SWAR	EXIST	COMM	10
SA	CB08.12L	SWAR	EXIST	IND	0
SA	CB08.12L	SWAR	EXIST	AG	0
SA	CB08.12L	SWAR	EXIST	UNDEV	15
SA	CB08.12L	SWAR	MID	RES	71
SA	CB08.12L	SWAR	MID	COMM	9
SA	CB08.12L	SWAR	MID	IND	0
SA	CB08.12L	SWAR	MID	AG	1
SA	CB08.12L	SWAR	MID	UNDEV	20
SA	CB08.12L	SWAR	ULT	RES	71
SA	CB08.12L	SWAR	ULT	COMM	9
SA	CB08.12L	SWAR	ULT	IND	0
SA	CB08.12L	SWAR	ULT	AG	17
SA	CB08.12L	SWAR	ULT	UNDEV	3

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB08.18L	SWAR	EXIST	RES	75
SA	CB08.18L	SWAR	EXIST	COMM	10
SA	CB08.18L	SWAR	EXIST	IND	0
SA	CB08.18L	SWAR	EXIST	AG	0
SA	CB08.18L	SWAR	EXIST	UNDEV	15
SA	CB08.18L	SWAF	MID	RES	71
SA	CB08.18L	SWAR	MID	COMM	9
SA	CB08.18L	SWAR	MID	IND	0
SA	CB08.18L	SWAR	MID	AG	1
SA	CB08.18L	SWAR	MID	UNDEV	20
SA	CB08.18L	SWAR	ULT	RES	71
SA	CB08.18L	SWAR	ULT	COMM	9
SA	CB08.18L	SWAR	ULT	IND	0
SA	CB08.18L	SWAR	ULT	AG	17
SA	CB08.18L	SWAR	ULT	UNDEV	3
SA	CB08.33L	SWAR	EXIST	RES	75
SA	CB08.33L	SWAR	EXIST	COMM	10
SA	CB08.33L	SWAR	EXIST	IND	0
SA	CB08.33L	SWAR	EXIST	AG	0
SA	CB08.33L	SWAR	EXIST	UNDEV	15
SA	CB08.33L	SWAR	MID	RES	71
SA	CB08.33L	SWAR	MID	COMM	9
SA	CB08.33L	SWAR	MID	IND	0
SA	CB08.33L	SWAR	MID	AG	1
SA	CB08.33L	SWAR	MID	UNDEV	20
SA	CB08.33L	SWAR	ULT	RES	71
SA	CB08.33L	SWAR	ULT	COMM	9
SA	CB08.33L	SWAR	ULT	IND	0
SA	CB08.33L	SWAR	ULT	AG	17
SA	CB08.33L	SWAR	ULT	UNDEV	3
SA	CB08.85L	SWAR	EXIST	RES	75
SA	CB08.85L	SWAR	EXIST	COMM	10
SA	CB08.85L	SWAR	EXIST	IND	0
SA	CB08.85L	SWAR	EXIST	AG	0
SA	CB08.85L	SWAR	EXIST	UNDEV	15
SA	CB08.85L	SWAR	MID	RES	71
SA	CB08.85L	SWAR	MID	COMM	9
SA	CB08.85L	SWAR	MID	IND	0
SA	CB08.85L	SWAR	MID	AG	1
SA	CB08.85L	SWAR	MID	UNDEV	20
SA	CB08.85L	SWAR	ULT	RES	71
SA	CB08.85L	SWAF	ULT	COMM	9
SA	CB08.85L	SWAR	ULT	IND	0
SA	CB08.85L	SWAR	ULT	AG	17
SA	CB08.85L	SWAR	ULT	UNDEV	3
SA	CB09.20L	SWAR	EXIST	RES	75
SA	CB09.20L	SWAR	EXIST	COMM	10
SA	CB09.20L	SWAR	EXIST	IND	0
SA	CB09.20L	SWAR	EXIST	AG	0
SA	CB09.20L	SWAR	EXIST	UNDEV	15
SA	CB09.20L	SWAR	MID	RES	71
SA	CB09.20L	SWAR	MID	COMM	9
SA	CB09.20L	SWAR	MID	IND	0
SA	CB09.20L	SWAR	MID	AG	1
SA	CB09.20L	SWAR	MID	UNDEV	20
SA	CB09.20L	SWAR	ULT	RES	71

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB09.20L	SWAR	ULT	COMM	9
SA	CB09.20L	SWAR	ULT	IND	0
SA	CB09.20L	SWAR	ULT	AG	17
SA	CB09.20L	SWAR	ULT	UNDEV	3
SA	CB09.29L	SWAR	EXIST	RES	75
SA	CB09.29L	SWAR	EXIST	COMM	10
SA	CB09.29L	SWAR	EXIST	IND	0
SA	CB09.29L	SWAR	EXIST	AG	0
SA	CB09.29L	SWAR	EXIST	UNDEV	15
SA	CB09.29L	SWAR	MID	RES	71
SA	CB09.29L	SWAR	MID	COMM	9
SA	CB09.29L	SWAR	MID	IND	0
SA	CB09.29L	SWAR	MID	AG	1
SA	CB09.29L	SWAR	MID	UNDEV	20
SA	CB09.29L	SWAR	ULT	RES	71
SA	CB09.29L	SWAR	ULT	COMM	9
SA	CB09.29L	SWAR	ULT	IND	0
SA	CB09.29L	SWAR	ULT	AG	17
SA	CB09.29L	SWAR	ULT	UNDEV	3
SA	CB09.31L	SWAR	EXIST	RES	75
SA	CB09.31L	SWAR	EXIST	COMM	10
SA	CB09.31L	SWAR	EXIST	IND	0
SA	CB09.31L	SWAR	EXIST	AG	0
SA	CB09.31L	SWAR	EXIST	UNDEV	15
SA	CB09.31L	SWAR	MID	RES	71
SA	CB09.31L	SWAR	MID	COMM	9
SA	CB09.31L	SWAR	MID	IND	0
SA	CB09.31L	SWAR	MID	AG	1
SA	CB09.31L	SWAR	MID	UNDEV	20
SA	CB09.31L	SWAR	ULT	RES	71
SA	CB09.31L	SWAR	ULT	COMM	9
SA	CB09.31L	SWAR	ULT	IND	0
SA	CB09.31L	SWAR	ULT	AG	17
SA	CB09.31L	SWAR	ULT	UNDEV	3
SA	CB09.53L	SWAR	EXIST	RES	75
SA	CB09.53L	SWAR	EXIST	COMM	10
SA	CB09.53L	SWAR	EXIST	IND	0
SA	CB09.53L	SWAR	EXIST	AG	0
SA	CB09.53L	SWAR	EXIST	UNDEV	15
SA	CB09.53L	SWAR	MID	RES	71
SA	CB09.53L	SWAR	MID	COMM	9
SA	CB09.53L	SWAR	MID	IND	0
SA	CB09.53L	SWAR	MID	AG	1
SA	CB09.53L	SWAR	MID	UNDEV	20
SA	CB09.53L	SWAR	ULT	RES	71
SA	CB09.53L	SWAR	ULT	COMM	9
SA	CB09.53L	SWAR	ULT	IND	0
SA	CB09.53L	SWAR	ULT	AG	17
SA	CB09.53L	SWAR	ULT	UNDEV	3
SA	CB09.71L	SWAR	EXIST	RES	75
SA	CB09.71L	SWAR	EXIST	COMM	10
SA	CB09.71L	SWAR	EXIST	IND	0
SA	CB09.71L	SWAR	EXIST	AG	0
SA	CB09.71L	SWAR	EXIST	UNDEV	15
SA	CB09.71L	SWAR	MID	RES	71
SA	CB09.71L	SWAR	MID	COMM	9

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB10.76L	SWAR	ULT	UNDEV	3
SA	CB10.97L	SWAR	EXIST	RES	75
SA	CB10.97L	SWAR	EXIST	COMM	10
SA	CB10.97L	SWAR	EXIST	IND	0
SA	CB10.97L	SWAR	EXIST	AG	0
SA	CB10.97L	SWAR	EXIST	UNDEV	15
SA	CB10.97L	SWAR	MID	RES	71
SA	CB10.97L	SWAR	MID	COMM	9
SA	CB10.97L	SWAR	MID	IND	0
SA	CB10.97L	SWAR	MID	AG	1
SA	CB10.97L	SWAR	MID	UNDEV	20
SA	CB10.97L	SWAR	ULT	RES	71
SA	CB10.97L	SWAR	ULT	COMM	9
SA	CB10.97L	SWAR	ULT	IND	0
SA	CB10.97L	SWAR	ULT	AG	17
SA	CB10.97L	SWAR	ULT	UNDEV	3
SA	CB11.10L	SWAR	EXIST	RES	75
SA	CB11.10L	SWAR	EXIST	COMM	10
SA	CB11.10L	SWAR	EXIST	IND	0
SA	CB11.10L	SWAR	EXIST	AG	0
SA	CB11.10L	SWAR	EXIST	UNDEV	15
SA	CB11.10L	SWAR	MID	RES	71
SA	CB11.10L	SWAR	MID	COMM	9
SA	CB11.10L	SWAR	MID	IND	0
SA	CB11.10L	SWAR	MID	AG	1
SA	CB11.10L	SWAR	MID	UNDEV	20
SA	CB11.10L	SWAR	ULT	RES	71
SA	CB11.10L	SWAR	ULT	COMM	9
SA	CB11.10L	SWAR	ULT	IND	0
SA	CB11.10L	SWAR	ULT	AG	17
SA	CB11.10L	SWAR	ULT	UNDEV	3
SA	CB11.12L	SWAR	EXIST	RES	75
SA	CB11.12L	SWAR	EXIST	COMM	10
SA	CB11.12L	SWAR	EXIST	IND	0
SA	CB11.12L	SWAR	EXIST	AG	0
SA	CB11.12L	SWAR	EXIST	UNDEV	15
SA	CB11.12L	SWAR	MID	RES	71
SA	CB11.12L	SWAR	MID	COMM	9
SA	CB11.12L	SWAR	MID	IND	0
SA	CB11.12L	SWAR	MID	AG	1
SA	CB11.12L	SWAR	MID	UNDEV	20
SA	CB11.12L	SWAR	ULT	RES	71
SA	CB11.12L	SWAR	ULT	COMM	9
SA	CB11.12L	SWAR	ULT	IND	0
SA	CB11.12L	SWAR	ULT	AG	17
SA	CB11.12L	SWAR	ULT	UNDEV	3
SA	CB11.15L	SWAR	EXIST	RES	75
SA	CB11.15L	SWAR	EXIST	COMM	10
SA	CB11.15L	SWAR	EXIST	IND	0
SA	CB11.15L	SWAR	EXIST	AG	0
SA	CB11.15L	SWAR	EXIST	UNDEV	15
SA	CB11.15L	SWAR	MID	RES	71
SA	CB11.15L	SWAR	MID	COMM	9
SA	CB11.15L	SWAR	MID	IND	0
SA	CB11.15L	SWAR	MID	AG	1
SA	CB11.15L	SWAR	MID	UNDEV	20

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB11.15L	SWAR	ULT	RES	71
SA	CB11.15L	SWAR	ULT	COMM	9
SA	CB11.15L	SWAR	ULT	IND	0
SA	CB11.15L	SWAR	ULT	AG	17
SA	CB11.15L	SWAR	ULT	UNDEV	3
SA	CB11.47L	SWAR	EXIST	RES	75
SA	CB11.47L	SWAR	EXIST	COMM	10
SA	CB11.47L	SWAR	EXIST	IND	0
SA	CB11.47L	SWAR	EXIST	AG	0
SA	CB11.47L	SWAR	EXIST	UNDEV	15
SA	CB11.47L	SWAR	MID	RES	71
SA	CB11.47L	SWAR	MID	COMM	9
SA	CB11.47L	SWAR	MID	IND	0
SA	CB11.47L	SWAR	MID	AG	1
SA	CB11.47L	SWAR	MID	UNDEV	20
SA	CB11.47L	SWAR	ULT	RES	71
SA	CB11.47L	SWAR	ULT	COMM	9
SA	CB11.47L	SWAR	ULT	IND	0
SA	CB11.47L	SWAR	ULT	AG	17
SA	CB11.47L	SWAR	ULT	UNDEV	3
SA	CB11.69L	SWAR	EXIST	RES	75
SA	CB11.69L	SWAR	EXIST	COMM	10
SA	CB11.69L	SWAR	EXIST	IND	0
SA	CB11.69L	SWAR	EXIST	AG	0
SA	CB11.69L	SWAR	EXIST	UNDEV	15
SA	CB11.69L	SWAR	MID	RES	71
SA	CB11.69L	SWAR	MID	COMM	9
SA	CB11.69L	SWAR	MID	IND	0
SA	CB11.69L	SWAR	MID	AG	1
SA	CB11.69L	SWAR	MID	UNDEV	20
SA	CB11.69L	SWAR	ULT	RES	71
SA	CB11.69L	SWAR	ULT	COMM	9
SA	CB11.69L	SWAR	ULT	IND	0
SA	CB11.69L	SWAR	ULT	AG	17
SA	CB11.69L	SWAR	ULT	UNDEV	3
SA	CB11.73L	SWAR	EXIST	RES	75
SA	CB11.73L	SWAR	EXIST	COMM	10
SA	CB11.73L	SWAR	EXIST	IND	0
SA	CB11.73L	SWAR	EXIST	AG	0
SA	CB11.73L	SWAR	EXIST	UNDEV	15
SA	CB11.73L	SWAR	MID	RES	71
SA	CB11.73L	SWAR	MID	COMM	9
SA	CB11.73L	SWAR	MID	IND	0
SA	CB11.73L	SWAR	MID	AG	1
SA	CB11.73L	SWAR	MID	UNDEV	20
SA	CB11.73L	SWAR	ULT	RES	71
SA	CB11.73L	SWAR	ULT	COMM	9
SA	CB11.73L	SWAR	ULT	IND	0
SA	CB11.73L	SWAR	ULT	AG	17
SA	CB11.73L	SWAR	ULT	UNDEV	3
SA	CB11.85L	SWAR	EXIST	RES	32
SA	CB11.85L	SWAR	EXIST	COMM	13
SA	CB11.85L	SWAR	EXIST	IND	1
SA	CB11.85L	SWAR	EXIST	AG	0
SA	CB11.85L	SWAR	EXIST	UNDEV	54
SA	CB11.85L	SWAR	MID	RES	3

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB11.85L	SWAR	MID	COMM	3
SA	CB11.85L	SWAR	MID	IND	0
SA	CB11.85L	SWAR	MID	AG	0
SA	CB11.85L	SWAR	MID	UNDEV	89
SA	CB11.85L	SWAR	ULT	RES	21
SA	CB11.85L	SWAR	ULT	COMM	31
SA	CB11.85L	SWAR	ULT	IND	6
SA	CB11.85L	SWAR	ULT	AG	36
SA	CB11.85L	SWAR	ULT	UNDEV	6
SA	CB12.10L	SWAR	EXIST	RES	53
SA	CB12.10L	SWAR	EXIST	COMM	11
SA	CB12.10L	SWAR	EXIST	IND	1
SA	CB12.10L	SWAR	EXIST	AG	0
SA	CB12.10L	SWAR	EXIST	UNDEV	35
SA	CB12.10L	SWAR	MID	RES	35
SA	CB12.10L	SWAR	MID	COMM	6
SA	CB12.10L	SWAR	MID	IND	0
SA	CB12.10L	SWAR	MID	AG	0
SA	CB12.10L	SWAR	MID	UNDEV	54
SA	CB12.10L	SWAR	ULT	RES	46
SA	CB12.10L	SWAR	ULT	COMM	20
SA	CB12.10L	SWAR	ULT	IND	3
SA	CB12.10L	SWAR	ULT	AG	27
SA	CB12.10L	SWAR	ULT	UNDEV	5
SA	CB12.19L	SWAR	EXIST	RES	32
SA	CB12.19L	SWAR	EXIST	COMM	13
SA	CB12.19L	SWAR	EXIST	IND	1
SA	CB12.19L	SWAR	EXIST	AG	0
SA	CB12.19L	SWAR	EXIST	UNDEV	54
SA	CB12.19L	SWAR	MID	RES	8
SA	CB12.19L	SWAR	MID	COMM	3
SA	CB12.19L	SWAR	MID	IND	0
SA	CB12.19L	SWAR	MID	AG	0
SA	CB12.19L	SWAR	MID	UNDEV	89
SA	CB12.19L	SWAR	ULT	RES	21
SA	CB12.19L	SWAR	ULT	COMM	31
SA	CB12.19L	SWAR	ULT	IND	6
SA	CB12.19L	SWAR	ULT	AG	36
SA	CB12.19L	SWAR	ULT	UNDEV	6
SA	CB12.35L	SWAR	EXIST	RES	32
SA	CB12.35L	SWAR	EXIST	COMM	13
SA	CB12.35L	SWAR	EXIST	IND	1
SA	CB12.35L	SWAR	EXIST	AG	0
SA	CB12.35L	SWAR	EXIST	UNDEV	54
SA	CB12.35L	SWAR	MID	RES	8
SA	CB12.35L	SWAR	MID	COMM	3
SA	CB12.35L	SWAR	MID	IND	0
SA	CB12.35L	SWAR	MID	AG	0
SA	CB12.35L	SWAR	MID	UNDEV	89
SA	CB12.35L	SWAR	ULT	RES	21
SA	CB12.35L	SWAR	ULT	COMM	31
SA	CB12.35L	SWAR	ULT	IND	6
SA	CB12.35L	SWAR	ULT	AG	36
SA	CB12.35L	SWAR	ULT	UNDEV	6
SA	CB12.38L	SWAR	EXIST	RES	32
SA	CB12.38L	SWAR	EXIST	COMM	13

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5A	0912.78L	SWAR	EXIST	IND	1
5A	0912.79L	SWAR	EXIST	AG	0
5A	0912.78L	SWAR	EXIST	UNDEV	54
5A	0912.78L	SWAR	MID	RES	8
5A	0912.79L	SWAR	MID	COMM	3
5A	0912.78L	SWAR	MID	IND	0
5A	0912.78L	SWAR	MID	AG	0
5A	0912.78L	SWAR	MID	UNDEV	99
5A	0912.78L	SWAR	ULT	RES	21
5A	0912.78L	SWAR	ULT	COMM	31
5A	0912.78L	SWAR	ULT	IND	6
5A	0912.78L	SWAR	ULT	AG	36
5A	0912.78L	SWAR	EXIST	UNDEV	6
5A	0912.43L	SWAR	EXIST	RES	32
5A	0912.43L	SWAR	EXIST	COMM	13
5A	0912.43L	SWAR	EXIST	IND	1
5A	0912.43L	SWAR	EXIST	AG	0
5A	0912.43L	SWAR	EXIST	UNDEV	54
5A	0912.43L	SWAR	MID	RES	8
5A	0912.43L	SWAR	MID	COMM	3
5A	0912.43L	SWAR	MID	IND	0
5A	0912.43L	SWAR	MID	AG	0
5A	0912.43L	SWAR	MID	UNDEV	89
5A	0912.43L	SWAR	ULT	RES	21
5A	0912.43L	SWAR	ULT	COMM	31
5A	0912.43L	SWAR	ULT	IND	6
5A	0912.43L	SWAR	ULT	AG	36
5A	0912.72L	SWAR	ULT	UNDEV	6
5A	0912.72L	SWAR	EXIST	RES	32
5A	0912.72L	SWAR	EXIST	COMM	13
5A	0912.72L	SWAR	EXIST	IND	1
5A	0912.72L	SWAR	EXIST	AG	0
5A	0912.72L	SWAR	EXIST	UNDEV	54
5A	0912.72L	SWAR	MID	RES	8
5A	0912.72L	SWAR	MID	COMM	3
5A	0912.72L	SWAR	MID	IND	0
5A	0912.72L	SWAR	MID	AG	0
5A	0912.72L	SWAR	MID	UNDEV	89
5A	0912.72L	SWAR	ULT	RES	21
5A	0912.72L	SWAR	ULT	COMM	31
5A	0912.72L	SWAR	ULT	IND	6
5A	0912.72L	SWAR	ULT	AG	36
5A	0912.72L	SWAR	ULT	UNDEV	6
5A	0912.98L	SWAR	EXIST	RES	32
5A	0912.98L	SWAR	EXIST	COMM	13
5A	0912.98L	SWAR	EXIST	IND	1
5A	0912.98L	SWAR	EXIST	AG	0
5A	0912.98L	SWAR	EXIST	UNDEV	54
5A	0912.98L	SWAR	MID	RES	8
5A	0912.98L	SWAR	MID	COMM	3
5A	0912.98L	SWAR	MID	IND	0
5A	0912.98L	SWAR	MID	AG	0
5A	0912.98L	SWAR	MID	UNDEV	89
5A	0912.98L	SWAR	ULT	RES	21
5A	0912.98L	SWAR	ULT	COMM	31
5A	0912.98L	SWAR	ULT	IND	6

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB12.88L	SWAR	ULT	AG	36
SA	CB12.88L	SWAR	ULT	UNDEV	6
SA	CB12.99L	SWAR	EXIST	RES	32
SA	CB12.99L	SWAR	EXIST	COMM	13
SA	CB12.99L	SWAR	EXIST	IND	1
SA	CB12.99L	SWAR	EXIST	AG	0
SA	CB12.99L	SWAR	EXIST	UNDEV	54
SA	CB12.99L	SWAR	MID	RES	8
SA	CB12.99L	SWAR	MID	COMM	3
SA	CB12.99L	SWAR	MID	IND	0
SA	CB12.99L	SWAR	MID	AG	0
SA	CB12.99L	SWAR	MID	UNDEV	89
SA	CB12.99L	SWAR	ULT	RES	21
SA	CB12.99L	SWAR	ULT	COMM	31
SA	CB12.99L	SWAR	ULT	IND	6
SA	CB12.99L	SWAR	ULT	AG	36
SA	CB12.99L	SWAR	ULT	UNDEV	6
SA	CB13.05L	SWAR	EXIST	RES	32
SA	CB13.05L	SWAR	EXIST	COMM	13
SA	CB13.05L	SWAR	EXIST	IND	1
SA	CB13.05L	SWAR	EXIST	AG	0
SA	CB13.05L	SWAR	EXIST	UNDEV	54
SA	CB13.05L	SWAR	MID	RES	8
SA	CB13.05L	SWAR	MID	COMM	3
SA	CB13.05L	SWAR	MID	IND	0
SA	CB13.05L	SWAR	MID	AG	0
SA	CB13.05L	SWAR	MID	UNDEV	89
SA	CB13.05L	SWAR	ULT	RES	21
SA	CB13.05L	SWAR	ULT	COMM	31
SA	CB13.05L	SWAR	ULT	IND	6
SA	CB13.05L	SWAR	ULT	AG	36
SA	CB13.05L	SWAR	ULT	UNDEV	6
SA	CB13.11L	SWAR	EXIST	RES	32
SA	CB13.11L	SWAR	EXIST	COMM	13
SA	CB13.11L	SWAR	EXIST	IND	1
SA	CB13.11L	SWAR	EXIST	AG	0
SA	CB13.11L	SWAR	EXIST	UNDEV	54
SA	CB13.11L	SWAR	MID	RES	8
SA	CB13.11L	SWAR	MID	COMM	3
SA	CB13.11L	SWAR	MID	IND	0
SA	CB13.11L	SWAR	MID	AG	0
SA	CB13.11L	SWAR	MID	UNDEV	89
SA	CB13.11L	SWAR	ULT	RES	21
SA	CB13.11L	SWAR	ULT	COMM	31
SA	CB13.11L	SWAR	ULT	IND	6
SA	CB13.11L	SWAR	ULT	AG	36
SA	CB13.11L	SWAR	ULT	UNDEV	6
SA	CB13.19L	SWAR	EXIST	RES	32
SA	CB13.19L	SWAR	EXIST	COMM	13
SA	CB13.19L	SWAR	EXIST	IND	1
SA	CB13.19L	SWAR	EXIST	AG	0
SA	CB13.19L	SWAR	EXIST	UNDEV	54
SA	CB13.19L	SWAR	MID	RES	8
SA	CB13.19L	SWAR	MID	COMM	3
SA	CB13.19L	SWAR	MID	IND	0
SA	CB13.19L	SWAR	MID	AG	0

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB13.19L	SWAR	MID	UNDEV	89
SA	CB13.19L	SWAR	ULT	RES	21
SA	CB13.19L	SWAR	ULT	COMM	31
SA	CB13.19L	SWAR	ULT	IND	6
SA	CB13.19L	SWAR	ULT	AG	36
SA	CB13.19L	SWAR	ULT	UNDEV	6
SA	CB13.29L	SWAR	EXIST	RES	32
SA	CB13.29L	SWAR	EXIST	COMM	13
SA	CB13.29L	SWAR	EXIST	IND	1
SA	CB13.29L	SWAR	EXIST	AG	0
SA	CB13.29L	SWAR	EXIST	UNDEV	54
SA	CB13.29L	SWAR	MID	RES	8
SA	CB13.29L	SWAR	MID	COMM	3
SA	CB13.29L	SWAR	MID	IND	0
SA	CB13.29L	SWAR	MID	AG	0
SA	CB13.29L	SWAR	MID	UNDEV	89
SA	CB13.29L	SWAR	ULT	RES	21
SA	CB13.29L	SWAR	ULT	COMM	31
SA	CB13.29L	SWAR	ULT	IND	6
SA	CB13.29L	SWAR	ULT	AG	36
SA	CB13.29L	SWAR	ULT	UNDEV	6
SA	CB13.38L	SWAR	EXIST	RES	32
SA	CB13.38L	SWAR	EXIST	COMM	13
SA	CB13.38L	SWAR	EXIST	IND	1
SA	CB13.38L	SWAR	EXIST	AG	0
SA	CB13.38L	SWAR	EXIST	UNDEV	54
SA	CB13.38L	SWAR	MID	RES	8
SA	CB13.38L	SWAR	MID	COMM	3
SA	CB13.38L	SWAR	MID	IND	0
SA	CB13.38L	SWAR	MID	AG	0
SA	CB13.38L	SWAR	MID	UNDEV	89
SA	CB13.38L	SWAR	ULT	RES	21
SA	CB13.38L	SWAR	ULT	COMM	31
SA	CB13.38L	SWAR	ULT	IND	6
SA	CB13.38L	SWAR	ULT	AG	36
SA	CB13.38L	SWAR	ULT	UNDEV	6
SA	CB13.44L	SWAR	EXIST	RES	32
SA	CB13.44L	SWAR	EXIST	COMM	13
SA	CB13.44L	SWAR	EXIST	IND	1
SA	CB13.44L	SWAR	EXIST	AG	0
SA	CB13.44L	SWAR	EXIST	UNDEV	54
SA	CB13.44L	SWAR	MID	RES	8
SA	CB13.44L	SWAR	MID	COMM	3
SA	CB13.44L	SWAR	MID	IND	0
SA	CB13.44L	SWAR	MID	AG	0
SA	CB13.44L	SWAR	MID	UNDEV	89
SA	CB13.44L	SWAR	ULT	RES	21
SA	CB13.44L	SWAR	ULT	COMM	31
SA	CB13.44L	SWAR	ULT	IND	6
SA	CB13.44L	SWAR	ULT	AG	36
SA	CB13.44L	SWAR	ULT	UNDEV	6
SA	CB13.50L	SWAR	EXIST	RES	32
SA	CB13.50L	SWAR	EXIST	COMM	13
SA	CB13.50L	SWAR	EXIST	IND	1
SA	CB13.50L	SWAR	EXIST	AG	0
SA	CB13.50L	SWAR	EXIST	UNDEV	54

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB13.50L	SWAR	MID	RES	9
SA	CB13.50L	SWAR	MID	COMM	3
SA	CB13.50L	SWAR	MID	IND	9
SA	CB13.50L	SWAR	MID	AG	0
SA	CB13.50L	SWAR	MID	UNDEV	89
SA	CB13.50L	SWAR	ULT	RES	21
SA	CB13.50L	SWAR	ULT	COMM	31
SA	CB13.50L	SWAR	ULT	IND	6
SA	CB13.50L	SWAR	ULT	AG	36
SA	CB13.50L	SWAR	ULT	UNDEV	6
SA	CB13.56L	SWAR	EXIST	RES	32
SA	CB13.56L	SWAR	EXIST	COMM	13
SA	CB13.56L	SWAR	EXIST	IND	1
SA	CB13.56L	SWAR	EXIST	AG	0
SA	CB13.56L	SWAR	EXIST	UNDEV	54
SA	CB13.56L	SWAR	MID	RES	8
SA	CB13.56L	SWAR	MID	COMM	3
SA	CB13.56L	SWAR	MID	IND	0
SA	CB13.56L	SWAR	MID	AG	0
SA	CB13.56L	SWAR	MID	UNDEV	89
SA	CB13.56L	SWAR	ULT	RES	21
SA	CB13.56L	SWAR	ULT	COMM	31
SA	CB13.56L	SWAR	ULT	IND	6
SA	CB13.56L	SWAR	ULT	AG	36
SA	CB13.56L	SWAR	ULT	UNDEV	6
SA	CB13.62L	SWAR	EXIST	RES	32
SA	CB13.62L	SWAR	EXIST	COMM	13
SA	CB13.62L	SWAR	EXIST	IND	1
SA	CB13.62L	SWAR	EXIST	AG	0
SA	CB13.62L	SWAR	EXIST	UNDEV	54
SA	CB13.62L	SWAR	MID	RES	9
SA	CB13.62L	SWAR	MID	COMM	3
SA	CB13.62L	SWAR	MID	IND	0
SA	CB13.62L	SWAR	MID	AG	0
SA	CB13.62L	SWAR	MID	UNDEV	89
SA	CB13.62L	SWAR	ULT	RES	21
SA	CB13.62L	SWAR	ULT	COMM	31
SA	CB13.62L	SWAR	ULT	IND	6
SA	CB13.62L	SWAR	ULT	AG	36
SA	CB13.62L	SWAR	ULT	UNDEV	6
SA	CB13.68L	SWAR	EXIST	RES	32
SA	CB13.68L	SWAR	EXIST	COMM	13
SA	CB13.68L	SWAR	EXIST	IND	1
SA	CB13.68L	SWAR	EXIST	AG	0
SA	CB13.68L	SWAR	EXIST	UNDEV	54
SA	CB13.68L	SWAR	MID	RES	8
SA	CB13.68L	SWAR	MID	COMM	3
SA	CB13.68L	SWAR	MID	IND	0
SA	CB13.68L	SWAR	MID	AG	0
SA	CB13.68L	SWAR	MID	UNDEV	89
SA	CB13.68L	SWAR	ULT	RES	21
SA	CB13.68L	SWAR	ULT	COMM	31
SA	CB13.68L	SWAR	ULT	IND	6
SA	CB13.68L	SWAR	ULT	AG	36
SA	CB13.68L	SWAR	ULT	UNDEV	6
SA	CB13.76L	SWAR	EXIST	RES	32

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB13.76L	SWAR	EXIST	COMM	13
SA	CB13.76L	SWAR	EXIST	IND	1
SA	CB13.76L	SWAR	EXIST	AG	0
SA	CB13.76L	SWAR	EXIST	UNDEV	54
SA	CB13.76L	SWAR	MID	RES	8
SA	CB13.76L	SWAR	MID	COMM	3
SA	CB13.76L	SWAR	MID	IND	0
SA	CB13.76L	SWAR	MID	AG	0
SA	CB13.76L	SWAR	MID	UNDEV	89
SA	CB13.76L	SWAR	ULT	RES	21
SA	CB13.76L	SWAR	ULT	COMM	31
SA	CB13.76L	SWAR	ULT	IND	6
SA	CB13.76L	SWAR	ULT	AG	36
SA	CB13.76L	SWAR	ULT	UNDEV	6
SA	CB13.82L	SWAR	EXIST	RES	32
SA	CB13.82L	SWAR	EXIST	COMM	13
SA	CB13.82L	SWAR	EXIST	IND	1
SA	CB13.82L	SWAR	EXIST	AG	0
SA	CB13.82L	SWAR	EXIST	UNDEV	54
SA	CB13.82L	SWAR	MID	RES	8
SA	CB13.82L	SWAR	MID	COMM	3
SA	CB13.82L	SWAR	MID	IND	0
SA	CB13.82L	SWAR	MID	AG	0
SA	CB13.82L	SWAR	MID	UNDEV	89
SA	CB13.82L	SWAR	ULT	RES	21
SA	CB13.82L	SWAR	ULT	COMM	31
SA	CB13.82L	SWAR	ULT	IND	6
SA	CB13.82L	SWAR	ULT	AG	36
SA	CB13.82L	SWAR	ULT	UNDEV	6
SA	CB13.87L	SWAR	EXIST	RES	32
SA	CB13.87L	SWAR	EXIST	COMM	13
SA	CB13.87L	SWAR	EXIST	IND	1
SA	CB13.87L	SWAR	EXIST	AG	0
SA	CB13.87L	SWAR	EXIST	UNDEV	54
SA	CB13.87L	SWAR	MID	RES	8
SA	CB13.87L	SWAR	MID	COMM	3
SA	CB13.87L	SWAR	MID	IND	0
SA	CB13.87L	SWAR	MID	AG	0
SA	CB13.87L	SWAR	MID	UNDEV	89
SA	CB13.87L	SWAR	ULT	RES	21
SA	CB13.87L	SWAR	ULT	COMM	31
SA	CB13.87L	SWAR	ULT	IND	6
SA	CB13.87L	SWAR	ULT	AG	36
SA	CB13.87L	SWAR	ULT	UNDEV	6
SA	CB13.93L	SWAR	EXIST	RES	32
SA	CB13.93L	SWAR	EXIST	COMM	13
SA	CB13.93L	SWAR	EXIST	IND	1
SA	CB13.93L	SWAR	EXIST	AG	0
SA	CB13.93L	SWAR	EXIST	UNDEV	54
SA	CB13.93L	SWAR	MID	RES	8
SA	CB13.93L	SWAR	MID	COMM	3
SA	CB13.93L	SWAR	MID	IND	0
SA	CB13.93L	SWAR	MID	AG	0
SA	CB13.93L	SWAR	MID	UNDEV	89
SA	CB13.93L	SWAR	ULT	RES	21
SA	CB13.93L	SWAR	ULT	COMM	31

REGIONAL STORMWATER MASTER PLAN DATA

SA	CB13.93L	SWAR	ULT	IND	6
SA	CB13.93L	SWAR	ULT	AG	36
SA	CB13.93L	SWAR	ULT	UNDEV	6
SA	CB14.00L	SWAR	EXIST	RES	32
SA	CB14.00L	SWAR	EXIST	COMM	13
SA	CB14.00L	SWAR	EXIST	IND	1
SA	CB14.00L	SWAR	EXIST	AG	0
SA	CB14.00L	SWAR	EXIST	UNDEV	54
SA	CB14.00L	SWAR	MID	RES	8
SA	CB14.00L	SWAR	MID	COMM	3
SA	CB14.00L	SWAR	MID	IND	0
SA	CB14.00L	SWAR	MID	AG	0
SA	CB14.00L	SWAR	MID	UNDEV	89
SA	CB14.00L	SWAR	ULT	RES	21
SA	CB14.00L	SWAR	ULT	COMM	31
SA	CB14.00L	SWAR	ULT	IND	6
SA	CB14.00L	SWAR	ULT	AG	36
SA	CB14.00L	SWAR	ULT	UNDEV	6
SA	CB14.06L	SWAR	EXIST	RES	32
SA	CB14.06L	SWAR	EXIST	COMM	13
SA	CB14.06L	SWAR	EXIST	IND	1
SA	CB14.06L	SWAR	EXIST	AG	0
SA	CB14.06L	SWAR	EXIST	UNDEV	54
SA	CB14.06L	SWAR	MID	RES	8
SA	CB14.06L	SWAR	MID	COMM	3
SA	CB14.06L	SWAR	MID	IND	0
SA	CB14.06L	SWAR	MID	AG	0
SA	CB14.06L	SWAR	MID	UNDEV	89
SA	CB14.06L	SWAR	ULT	RES	21
SA	CB14.06L	SWAR	ULT	COMM	31
SA	CB14.06L	SWAR	ULT	IND	6
SA	CB14.06L	SWAR	ULT	AG	36
SA	CB14.06L	SWAR	ULT	UNDEV	6
SA	CB14.20L	SWAR	EXIST	RES	32
SA	CB14.20L	SWAR	EXIST	COMM	13
SA	CB14.20L	SWAR	EXIST	IND	1
SA	CB14.20L	SWAR	EXIST	AG	0
SA	CB14.20L	SWAR	EXIST	UNDEV	54
SA	CB14.20L	SWAR	MID	RES	8
SA	CB14.20L	SWAR	MID	COMM	3
SA	CB14.20L	SWAR	MID	IND	0
SA	CB14.20L	SWAR	MID	AG	0
SA	CB14.20L	SWAR	MID	UNDEV	89
SA	CB14.20L	SWAR	ULT	RES	21
SA	CB14.20L	SWAR	ULT	COMM	31
SA	CB14.20L	SWAR	ULT	IND	6
SA	CB14.20L	SWAR	ULT	AG	36
SA	CB14.20L	SWAR	ULT	UNDEV	6
SA	CB14.24L	SWAR	EXIST	RES	32
SA	CB14.24L	SWAR	EXIST	COMM	13
SA	CB14.24L	SWAR	EXIST	IND	1
SA	CB14.24L	SWAR	EXIST	AG	0
SA	CB14.24L	SWAR	EXIST	UNDEV	54
SA	CB14.24L	SWAR	MID	RES	8
SA	CB14.24L	SWAR	MID	COMM	3
SA	CB14.24L	SWAR	MID	IND	0

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54	CB14.24L	SWAR	MID	AG	0
54	CB14.24L	SWAR	MID	UNDEV	89
54	CB14.24L	SWAR	ULT	RES	21
54	CB14.24L	SWAR	ULT	COMM	31
54	CB14.24L	SWAR	ULT	IND	6
54	CB14.24L	SWAR	ULT	AG	36
54	CB14.24L	SWAR	ULT	UNDEV	6
54	CB14.32L	SWAR	EXIST	RES	32
54	CB14.32L	SWAR	EXIST	COMM	17
54	CB14.32L	SWAR	EXIST	IND	1
54	CB14.32L	SWAR	EXIST	AG	0
54	CB14.32L	SWAR	EXIST	UNDEV	54
54	CB14.32L	SWAR	MID	RES	8
54	CB14.32L	SWAR	MID	COMM	3
54	CB14.32L	SWAR	MID	IND	0
54	CB14.32L	SWAR	MID	AG	0
54	CB14.32L	SWAR	MID	UNDEV	89
54	CB14.32L	SWAR	ULT	RES	21
54	CB14.32L	SWAR	ULT	COMM	31
54	CB14.32L	SWAR	ULT	IND	6
54	CB14.32L	SWAR	ULT	AG	36
54	CB14.32L	SWAR	ULT	UNDEV	6
54	CB14.44L	SWAR	EXIST	RES	32
54	CB14.44L	SWAR	EXIST	COMM	17
54	CB14.44L	SWAR	EXIST	IND	1
54	CB14.44L	SWAR	EXIST	AG	0
54	CB14.44L	SWAR	EXIST	UNDEV	54
54	CB14.44L	SWAR	MID	RES	8
54	CB14.44L	SWAR	MID	COMM	3
54	CB14.44L	SWAR	MID	IND	0
54	CB14.44L	SWAR	MID	AG	0
54	CB14.44L	SWAR	MID	UNDEV	89
54	CB14.44L	SWAR	ULT	RES	21
54	CB14.44L	SWAR	ULT	COMM	31
54	CB14.44L	SWAR	ULT	IND	6
54	CB14.44L	SWAR	ULT	AG	36
54	CB14.44L	SWAR	ULT	UNDEV	6
54	CB14.48L	SWAR	EXIST	RES	32
54	CB14.48L	SWAR	EXIST	COMM	17
54	CB14.48L	SWAR	EXIST	IND	1
54	CB14.48L	SWAR	EXIST	AG	0
54	CB14.48L	SWAR	EXIST	UNDEV	54
54	CB14.48L	SWAR	MID	RES	8
54	CB14.48L	SWAR	MID	COMM	3
54	CB14.48L	SWAR	MID	IND	0
54	CB14.48L	SWAR	MID	AG	0
54	CB14.48L	SWAR	MID	UNDEV	89
54	CB14.48L	SWAR	ULT	RES	21
54	CB14.48L	SWAR	ULT	COMM	31
54	CB14.48L	SWAR	ULT	IND	6
54	CB14.48L	SWAR	ULT	AG	36
54	CB14.48L	SWAR	ULT	UNDEV	6
54	CB14.60L	SWAR	EXIST	RES	3
54	CB14.60L	SWAR	EXIST	COMM	6
54	CB14.60L	SWAR	EXIST	IND	1
54	CB14.60L	SWAR	EXIST	AG	0
54	CB14.60L	SWAR	EXIST	UNDEV	85

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SA	CB14.60L	SWAR	EXIST	UNDEV	0
SA	CB14.60L	SWAR	MID	RES	23
SA	CB14.60L	SWAR	MID	COMM	13
SA	CB14.60L	SWAR	MID	IND	0
SA	CB14.60L	SWAR	MID	AG	64
SA	CB14.60L	SWAR	MID	UNDEV	0
SA	CB14.60L	SWAR	ULT	RES	28
SA	CB14.60L	SWAR	ULT	COMM	13
SA	CB14.60L	SWAR	ULT	IND	0
SA	CB14.60L	SWAR	ULT	AG	51
SA	CB14.60L	SWAR	ULT	UNDEV	7
SA	CB16.53L	SWAR	EXIST	RES	9
SA	CB16.53L	SWAR	EXIST	COMM	6
SA	CB16.53L	SWAR	EXIST	IND	1
SA	CB16.53L	SWAR	EXIST	AG	85
SA	CB16.53L	SWAR	EXIST	UNDEV	0
SA	CB16.53L	SWAR	MID	RES	23
SA	CB16.53L	SWAR	MID	COMM	13
SA	CB16.53L	SWAR	MID	IND	0
SA	CB16.53L	SWAR	MID	AG	64
SA	CB16.53L	SWAR	MID	UNDEV	0
SA	CB16.53L	SWAR	ULT	RES	28
SA	CB16.53L	SWAR	ULT	COMM	13
SA	CB16.53L	SWAR	ULT	IND	0
SA	CB16.53L	SWAR	ULT	AG	51
SA	CB16.53L	SWAR	ULT	UNDEV	9
SA	IH00.70L	SWAR	EXIST	RES	2.2
SA	IH00.70L	SWAR	EXIST	COMM	0.1
SA	IH00.70L	SWAR	EXIST	IND	7.5
SA	IH00.70L	SWAR	EXIST	AG	67.1
SA	IH00.70L	SWAR	EXIST	UNDEV	23.1
SA	IH00.70L	SWAR	MID	RES	25.5
SA	IH00.70L	SWAR	MID	COMM	4.6
SA	IH00.70L	SWAR	MID	IND	30.1
SA	IH00.70L	SWAR	MID	AG	29.6
SA	IH00.70L	SWAR	MID	UNDEV	10.2
SA	IH00.70L	SWAR	ULT	RES	25.5
SA	IH00.70L	SWAR	ULT	COMM	9.0
SA	IH00.70L	SWAR	ULT	IND	30.1
SA	IH00.70L	SWAR	ULT	AG	30.0
SA	IH00.70L	SWAR	ULT	UNDEV	5.3
SA	IH01.40L	SWAR	EXIST	RES	2.2
SA	IH01.40L	SWAR	EXIST	COMM	0.1
SA	IH01.40L	SWAR	EXIST	IND	7.5
SA	IH01.40L	SWAR	EXIST	AG	67.1
SA	IH01.40L	SWAR	EXIST	UNDEV	23.1
SA	IH01.40L	SWAR	MID	RES	25.5
SA	IH01.40L	SWAR	MID	COMM	4.6
SA	IH01.40L	SWAR	MID	IND	30.1
SA	IH01.40L	SWAR	MID	AG	29.6
SA	IH01.40L	SWAR	MID	UNDEV	10.2
SA	IH01.40L	SWAR	ULT	RES	25.5
SA	IH01.40L	SWAR	ULT	COMM	9.0
SA	IH01.40L	SWAR	ULT	IND	30.1
SA	IH01.40L	SWAR	ULT	AG	30.0
SA	IH01.40L	SWAR	ULT	UNDEV	5.3

REGIONAL STORMWATER MASTER PLAN DATA

SA	IH05.09L	SWAR	EXIST	RES	2.2
SA	IH05.09L	SWAR	EXIST	COMM	0.1
SA	IH05.09L	SWAR	EXIST	IND	7.5
SA	IH05.09L	SWAR	EXIST	AG	67.1
SA	IH05.09L	SWAR	EXIST	UNDEV	23.1
SA	IH05.09L	SWAR	MID	RES	25.5
SA	IH05.09L	SWAR	MID	COMM	4.6
SA	IH05.09L	SWAR	MID	IND	30.1
SA	IH05.09L	SWAR	MID	AG	29.6
SA	IH05.09L	SWAR	MID	UNDEV	10.2
SA	IH05.09L	SWAR	ULT	RES	25.5
SA	IH05.09L	SWAR	ULT	COMM	9.0
SA	IH05.09L	SWAR	ULT	IND	30.1
SA	IH05.09L	SWAR	ULT	AG	30.0
SA	IH05.09L	SWAR	ULT	UNDEV	5.3
SA	IH05.47L	SWAR	EXIST	RES	2.2
SA	IH05.47L	SWAR	EXIST	COMM	0.1
SA	IH05.47L	SWAR	EXIST	IND	7.5
SA	IH05.47L	SWAR	EXIST	AG	67.1
SA	IH05.47L	SWAR	EXIST	UNDEV	23.1
SA	IH05.47L	SWAR	MID	RES	25.5
SA	IH05.47L	SWAR	MID	COMM	4.6
SA	IH05.47L	SWAR	MID	IND	30.1
SA	IH05.47L	SWAR	MID	AG	29.6
SA	IH05.47L	SWAR	MID	UNDEV	10.2
SA	IH05.47L	SWAR	ULT	RES	25.5
SA	IH05.47L	SWAR	ULT	COMM	9.0
SA	IH05.47L	SWAR	ULT	IND	30.1
SA	IH05.47L	SWAR	ULT	AG	30.0
SA	IH05.47L	SWAR	ULT	UNDEV	5.3
SA	IH05.66L	SWAR	EXIST	RES	2.2
SA	IH05.66L	SWAR	EXIST	COMM	0.1
SA	IH05.66L	SWAR	EXIST	IND	7.5
SA	IH05.66L	SWAR	EXIST	AG	67.1
SA	IH05.66L	SWAR	EXIST	UNDEV	23.1
SA	IH05.66L	SWAR	MID	RES	25.5
SA	IH05.66L	SWAR	MID	COMM	4.6
SA	IH05.66L	SWAR	MID	IND	30.1
SA	IH05.66L	SWAR	MID	AG	29.6
SA	IH05.66L	SWAR	MID	UNDEV	10.2
SA	IH05.66L	SWAR	ULT	RES	25.5
SA	IH05.66L	SWAR	ULT	COMM	9.0
SA	IH05.66L	SWAR	ULT	IND	30.1
SA	IH05.66L	SWAR	ULT	AG	30.0
SA	IH05.66L	SWAR	ULT	UNDEV	5.3
SA	IH05.85L	SWAR	EXIST	RES	2.2
SA	IH05.85L	SWAR	EXIST	COMM	0.1
SA	IH05.85L	SWAR	EXIST	IND	7.5
SA	IH05.85L	SWAR	EXIST	AG	67.1
SA	IH05.85L	SWAR	EXIST	UNDEV	23.1
SA	IH05.85L	SWAR	MID	RES	25.5
SA	IH05.85L	SWAR	MID	COMM	4.6
SA	IH05.85L	SWAR	MID	IND	30.1
SA	IH05.85L	SWAR	MID	AG	29.6
SA	IH05.85L	SWAR	MID	UNDEV	10.2
SA	IH05.85L	SWAR	ULT	RES	25.5

REGIONAL STORMWATER MASTER PLAN DATA

SA	IH05.85L	SWAR	ULT	COMM	9.0
SA	IH05.85L	SWAR	ULT	IND	30.1
SA	IH05.85L	SWAR	ULT	AG	30.0
SA	IH05.85L	SWAR	ULT	UNDEV	5.3
SA	IH05.90L	SWAR	EXIST	RES	2.2
SA	IH05.90L	SWAR	EXIST	COMM	0.1
SA	IH05.90L	SWAR	EXIST	IND	7.5
SA	IH05.90L	SWAR	EXIST	AG	67.1
SA	IH05.90L	SWAR	EXIST	UNDEV	23.1
SA	IH05.90L	SWAR	MID	RES	25.5
SA	IH05.90L	SWAR	MID	COMM	4.6
SA	IH05.90L	SWAR	MID	IND	30.1
SA	IH05.90L	SWAR	MID	AG	29.6
SA	IH05.90L	SWAR	MID	UNDEV	10.2
SA	IH05.90L	SWAR	ULT	RES	25.5
SA	IH05.90L	SWAR	ULT	COMM	9.0
SA	IH05.90L	SWAR	ULT	IND	30.1
SA	IH05.90L	SWAR	ULT	AG	30.0
SA	IH05.90L	SWAR	ULT	UNDEV	5.3
SA	IH06.04L	SWAR	EXIST	RES	2.2
SA	IH06.04L	SWAR	EXIST	COMM	0.1
SA	IH06.04L	SWAR	EXIST	IND	7.5
SA	IH06.04L	SWAR	EXIST	AG	67.1
SA	IH06.04L	SWAR	EXIST	UNDEV	23.1
SA	IH06.04L	SWAR	MID	RES	25.5
SA	IH06.04L	SWAR	MID	COMM	4.6
SA	IH06.04L	SWAR	MID	IND	30.1
SA	IH06.04L	SWAR	MID	AG	29.6
SA	IH06.04L	SWAR	MID	UNDEV	10.2
SA	IH06.04L	SWAR	ULT	RES	25.5
SA	IH06.04L	SWAR	ULT	COMM	9.0
SA	IH06.04L	SWAR	ULT	IND	30.1
SA	IH06.04L	SWAR	ULT	AG	30.0
SA	IH06.04L	SWAR	ULT	UNDEV	5.3
SA	IH07.18L	SWAR	EXIST	RES	2.2
SA	IH07.18L	SWAR	EXIST	COMM	0.1
SA	IH07.18L	SWAR	EXIST	IND	7.5
SA	IH07.18L	SWAR	EXIST	AG	67.1
SA	IH07.18L	SWAR	EXIST	UNDEV	23.1
SA	IH07.18L	SWAR	MID	RES	25.5
SA	IH07.18L	SWAR	MID	COMM	4.6
SA	IH07.18L	SWAR	MID	IND	30.1
SA	IH07.18L	SWAR	MID	AG	29.6
SA	IH07.18L	SWAR	MID	UNDEV	10.2
SA	IH07.18L	SWAR	ULT	RES	25.5
SA	IH07.18L	SWAR	ULT	COMM	9.0
SA	IH07.18L	SWAR	ULT	IND	30.1
SA	IH07.18L	SWAR	ULT	AG	30.0
SA	IH07.18L	SWAR	ULT	UNDEV	5.3
SA	IH07.32L	SWAR	EXIST	RES	2.2
SA	IH07.32L	SWAR	EXIST	COMM	0.1
SA	IH07.32L	SWAR	EXIST	IND	7.5
SA	IH07.32L	SWAR	EXIST	AG	67.1
SA	IH07.32L	SWAR	EXIST	UNDEV	23.1
SA	IH07.32L	SWAR	MID	RES	25.5
SA	IH07.32L	SWAR	MID	COMM	4.6

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SA	IH07.32L	SWAR	MID	IND	30.1
SA	IH07.32L	SWAR	MID	AG	29.6
SA	IH07.32L	SWAR	MID	UNDEV	10.2
SA	IH07.32L	SWAR	ULT	RES	25.5
SA	IH07.32L	SWAR	ULT	COMM	9.0
SA	IH07.32L	SWAR	ULT	IND	30.1
SA	IH07.32L	SWAR	ULT	AG	30.0
SA	IH07.32L	SWAR	ULT	UNDEV	5.3
SA	IH08.46L	SWAR	EXIST	RES	2.2
SA	IH08.46L	SWAR	EXIST	COMM	0.1
SA	IH08.46L	SWAR	EXIST	IND	7.5
SA	IH08.46L	SWAR	EXIST	AG	67.1
SA	IH08.46L	SWAR	EXIST	UNDEV	23.1
SA	IH08.46L	SWAR	MID	RES	25.5
SA	IH08.46L	SWAR	MID	COMM	4.6
SA	IH08.46L	SWAR	MID	IND	30.1
SA	IH08.46L	SWAR	MID	AG	29.6
SA	IH08.46L	SWAR	MID	UNDEV	10.2
SA	IH08.46L	SWAR	ULT	RES	25.5
SA	IH08.46L	SWAR	ULT	COMM	9.0
SA	IH08.46L	SWAR	ULT	IND	30.1
SA	IH08.46L	SWAR	ULT	AG	30.0
SA	IH08.46L	SWAR	ULT	UNDEV	5.3
SA	IH10.73L	SWAR	EXIST	RES	2.2
SA	IH10.73L	SWAR	EXIST	COMM	0.1
SA	IH10.73L	SWAR	EXIST	IND	7.5
SA	IH10.73L	SWAR	EXIST	AG	67.1
SA	IH10.73L	SWAR	EXIST	UNDEV	23.1
SA	IH10.73L	SWAR	MID	RES	25.5
SA	IH10.73L	SWAR	MID	COMM	4.6
SA	IH10.73L	SWAR	MID	IND	30.1
SA	IH10.73L	SWAR	MID	AG	29.6
SA	IH10.73L	SWAR	MID	UNDEV	10.2
SA	IH10.73L	SWAR	ULT	RES	25.5
SA	IH10.73L	SWAR	ULT	COMM	9.0
SA	IH10.73L	SWAR	ULT	IND	30.1
SA	IH10.73L	SWAR	ULT	AG	30.0
SA	IH10.73L	SWAR	ULT	UNDEV	5.3
SA	IH11.50L	SWAR	EXIST	RES	2.2
SA	IH11.50L	SWAR	EXIST	COMM	0.1
SA	IH11.50L	SWAR	EXIST	IND	7.5
SA	IH11.50L	SWAR	EXIST	AG	67.1
SA	IH11.50L	SWAR	EXIST	UNDEV	23.1
SA	IH11.50L	SWAR	MID	RES	25.5
SA	IH11.50L	SWAR	MID	COMM	4.6
SA	IH11.50L	SWAR	MID	IND	30.1
SA	IH11.50L	SWAR	MID	AG	29.6
SA	IH11.50L	SWAR	MID	UNDEV	10.2
SA	IH11.50L	SWAR	ULT	RES	25.5
SA	IH11.50L	SWAR	ULT	COMM	9.0
SA	IH11.50L	SWAR	ULT	IND	30.1
SA	IH11.50L	SWAR	ULT	AG	30.0
SA	IH11.50L	SWAR	ULT	UNDEV	5.3
SA	IH12.15L	SWAR	EXIST	RES	2.2
SA	IH12.15L	SWAR	EXIST	COMM	0.1
SA	IH12.15L	SWAR	EXIST	IND	7.5

REGIONAL STORMWATER MASTER PLAN DATA

SA	IH12.15L	SWAR	EXIST	AG	67.1
SA	IH12.15L	SWAR	EXIST	UNDEV	23.1
SA	IH12.15L	SWAR	MID	RES	25.5
SA	IH12.15L	SWAR	MID	COMM	4.6
SA	IH12.15L	SWAR	MID	IND	30.1
SA	IH12.15L	SWAR	MID	AG	29.6
SA	IH12.15L	SWAR	MID	UNDEV	10.2
SA	IH12.15L	SWAR	ULT	RES	25.5
SA	IH12.15L	SWAR	ULT	COMM	9.0
SA	IH12.15L	SWAR	ULT	IND	30.1
SA	IH12.15L	SWAR	ULT	AG	30.0
SA	IH12.15L	SWAR	ULT	UNDEV	5.3
SA	IH12.67L	SWAR	EXIST	RES	2.2
SA	IH12.67L	SWAR	EXIST	COMM	0.1
SA	IH12.67L	SWAR	EXIST	IND	7.5
SA	IH12.67L	SWAR	EXIST	AG	67.1
SA	IH12.67L	SWAR	EXIST	UNDEV	23.1
SA	IH12.67L	SWAR	MID	RES	25.5
SA	IH12.67L	SWAR	MID	COMM	4.6
SA	IH12.67L	SWAR	MID	IND	30.1
SA	IH12.67L	SWAR	MID	AG	29.6
SA	IH12.67L	SWAR	MID	UNDEV	10.2
SA	IH12.67L	SWAR	ULT	RES	25.5
SA	IH12.67L	SWAR	ULT	COMM	9.0
SA	IH12.67L	SWAR	ULT	IND	30.1
SA	IH12.67L	SWAR	ULT	AG	30.0
SA	IH12.67L	SWAR	ULT	UNDEV	5.3
SA	IH12.95L	SWAR	EXIST	RES	2.2
SA	IH12.95L	SWAR	EXIST	COMM	0.1
SA	IH12.95L	SWAR	EXIST	IND	7.5
SA	IH12.95L	SWAR	EXIST	AG	67.1
SA	IH12.95L	SWAR	EXIST	UNDEV	23.1
SA	IH12.95L	SWAR	MID	RES	25.5
SA	IH12.95L	SWAR	MID	COMM	4.6
SA	IH12.95L	SWAR	MID	IND	30.1
SA	IH12.95L	SWAR	MID	AG	29.6
SA	IH12.95L	SWAR	MID	UNDEV	10.2
SA	IH12.95L	SWAR	ULT	RES	25.5
SA	IH12.95L	SWAR	ULT	COMM	9.0
SA	IH12.95L	SWAR	ULT	IND	30.1
SA	IH12.95L	SWAR	ULT	AG	30.0
SA	IH12.95L	SWAR	ULT	UNDEV	5.3
SA	IH16.19L	SWAR	EXIST	RES	2.2
SA	IH16.19L	SWAR	EXIST	COMM	0.1
SA	IH16.19L	SWAR	EXIST	IND	7.5
SA	IH16.19L	SWAR	EXIST	AG	67.1
SA	IH16.19L	SWAR	EXIST	UNDEV	23.1
SA	IH16.19L	SWAR	MID	RES	25.5
SA	IH16.19L	SWAR	MID	COMM	4.6
SA	IH16.19L	SWAR	MID	IND	30.1
SA	IH16.19L	SWAR	MID	AG	29.6
SA	IH16.19L	SWAR	MID	UNDEV	10.2
SA	IH16.19L	SWAR	ULT	RES	25.5
SA	IH16.19L	SWAR	ULT	COMM	9.0
SA	IH16.19L	SWAR	ULT	IND	30.1
SA	IH16.19L	SWAR	ULT	AG	30.0

REGIONAL STORMWATER MASTER PLAN DATA

SA	IH16.19L	SWAR	ULT	UNDEV	5.3
SA	IH16.71L	SWAR	EXIST	RES	2.2
SA	IH16.71L	SWAR	EXIST	COMM	0.1
SA	IH16.71L	SWAR	EXIST	IND	7.5
SA	IH16.71L	SWAR	EXIST	AG	67.1
SA	IH16.71L	SWAR	EXIST	UNDEV	23.1
SA	IH16.71L	SWAR	MID	RES	25.5
SA	IH16.71L	SWAR	MID	COMM	4.6
SA	IH16.71L	SWAR	MID	IND	30.1
SA	IH16.71L	SWAR	MID	AG	29.6
SA	IH16.71L	SWAR	MID	UNDEV	10.2
SA	IH16.71L	SWAR	ULT	RES	25.5
SA	IH16.71L	SWAF	ULT	COMM	9.0
SA	IH16.71L	SWAR	ULT	IND	30.1
SA	IH16.71L	SWAF	ULT	AG	30.0
SA	IH16.71L	SWAR	ULT	UNDEV	5.3
SA	IH17.04L	SWAR	EXIST	RES	2.2
SA	IH17.04L	SWAR	EXIST	COMM	0.1
SA	IH17.04L	SWAF	EXIST	IND	7.5
SA	IH17.04L	SWAR	EXIST	AG	67.1
SA	IH17.04L	SWAR	EXIST	UNDEV	23.1
SA	IH17.04L	SWAR	MID	RES	25.5
SA	IH17.04L	SWAR	MID	COMM	4.6
SA	IH17.04L	SWAR	MID	IND	30.1
SA	IH17.04L	SWAR	MID	AG	29.6
SA	IH17.04L	SWAR	MID	UNDEV	10.2
SA	IH17.04L	SWAR	ULT	RES	25.5
SA	IH17.04L	SWAR	ULT	COMM	9.0
SA	IH17.04L	SWAR	ULT	IND	30.1
SA	IH17.04L	SWAR	ULT	AG	30.0
SA	IH17.04L	SWAR	ULT	UNDEV	5.3
SA	IH17.70L	SWAR	EXIST	RES	14.2
SA	IH17.70L	SWAR	EXIST	COMM	1.2
SA	IH17.70L	SWAR	EXIST	IND	0.2
SA	IH17.70L	SWAR	EXIST	AG	47.2
SA	IH17.70L	SWAR	EXIST	UNDEV	37.2
SA	IH17.70L	SWAR	MID	RES	17.4
SA	IH17.70L	SWAR	MID	COMM	2.6
SA	IH17.70L	SWAR	MID	IND	0.3
SA	IH17.70L	SWAR	MID	AG	43.6
SA	IH17.70L	SWAR	MID	UNDEV	36.0
SA	IH17.70L	SWAR	ULT	RES	57.2
SA	IH17.70L	SWAR	ULT	COMM	5.8
SA	IH17.70L	SWAR	ULT	IND	11.2
SA	IH17.70L	SWAR	ULT	AG	21.9
SA	IH17.70L	SWAR	ULT	UNDEV	3.9
SA	IH18.65L	SWAR	EXIST	RES	14.2
SA	IH18.65L	SWAR	EXIST	COMM	1.2
SA	IH18.65L	SWAR	EXIST	IND	0.2
SA	IH18.65L	SWAR	EXIST	AG	47.2
SA	IH18.65L	SWAR	EXIST	UNDEV	37.2
SA	IH18.65L	SWAR	MID	RES	17.4
SA	IH18.65L	SWAR	MID	COMM	2.6
SA	IH18.65L	SWAR	MID	IND	0.3
SA	IH18.65L	SWAR	MID	AG	43.6
SA	IH18.65L	SWAR	MID	UNDEV	36.0

REGIONAL STORMWATER MASTER PLAN DATA

SA	IH18.65L	SWAR	ULT	RES	57.2
SA	IH18.65L	SWAR	ULT	COMM	5.8
SA	IH18.65L	SWAR	ULT	IND	11.2
SA	IH18.65L	SWAR	ULT	AG	21.9
SA	IH18.65L	SWAR	ULT	UNDEV	3.9
SA	IH19.31L	SWAR	EXIST	RES	14.2
SA	IH19.31L	SWAR	EXIST	COMM	1.2
SA	IH19.31L	SWAR	EXIST	IND	0.2
SA	IH19.31L	SWAR	EXIST	AG	47.2
SA	IH19.31L	SWAR	EXIST	UNDEV	37.2
SA	IH19.31L	SWAR	MID	RES	17.4
SA	IH19.31L	SWAR	MID	COMM	2.6
SA	IH19.31L	SWAR	MID	IND	0.3
SA	IH19.31L	SWAR	MID	AG	43.6
SA	IH19.31L	SWAR	MID	UNDEV	36.0
SA	IH19.31L	SWAR	ULT	RES	57.2
SA	IH19.31L	SWAR	ULT	COMM	5.8
SA	IH19.31L	SWAR	ULT	IND	11.2
SA	IH19.31L	SWAR	ULT	AG	21.9
SA	IH19.31L	SWAR	ULT	UNDEV	3.9
SA	LM00.09L	SWAR	EXIST	RES	28.3
SA	LM00.09L	SWAR	EXIST	COMM	2.7
SA	LM00.09L	SWAR	EXIST	IND	0.8
SA	LM00.09L	SWAR	EXIST	AG	0.5
SA	LM00.09L	SWAR	EXIST	UNDEV	67.7
SA	LM00.09L	SWAR	MID	RES	41.6
SA	LM00.09L	SWAR	MID	COMM	4.0
SA	LM00.09L	SWAR	MID	IND	1.1
SA	LM00.09L	SWAR	MID	AG	0.4
SA	LM00.09L	SWAR	MID	UNDEV	52.8
SA	LM00.09L	SWAR	ULT	RES	71.2
SA	LM00.09L	SWAR	ULT	COMM	6.9
SA	LM00.09L	SWAR	ULT	IND	1.9
SA	LM00.09L	SWAR	ULT	AG	17.0
SA	LM00.09L	SWAR	ULT	UNDEV	3.0
SA	LM00.13L	SWAR	EXIST	RES	28.3
SA	LM00.13L	SWAR	EXIST	COMM	2.7
SA	LM00.13L	SWAR	EXIST	IND	0.8
SA	LM00.13L	SWAR	EXIST	AG	0.5
SA	LM00.13L	SWAR	EXIST	UNDEV	67.7
SA	LM00.13L	SWAR	MID	RES	41.6
SA	LM00.13L	SWAR	MID	COMM	4.0
SA	LM00.13L	SWAR	MID	IND	1.1
SA	LM00.13L	SWAR	MID	AG	0.4
SA	LM00.13L	SWAR	MID	UNDEV	52.8
SA	LM00.13L	SWAR	ULT	RES	71.2
SA	LM00.13L	SWAR	ULT	COMM	6.9
SA	LM00.13L	SWAR	ULT	IND	1.9
SA	LM00.13L	SWAR	ULT	AG	17.0
SA	LM00.13L	SWAR	ULT	UNDEV	3.0
SA	LM00.14L	SWAR	EXIST	RES	28.3
SA	LM00.14L	SWAR	EXIST	COMM	2.7
SA	LM00.14L	SWAR	EXIST	IND	0.8
SA	LM00.14L	SWAR	EXIST	AG	0.5
SA	LM00.14L	SWAR	EXIST	UNDEV	67.7
SA	LM00.14L	SWAR	MID	RES	41.6

REGIONAL STORMWATER MASTER PLAN DATA

SA	LM00.14L	SWAR	MID	COMM	4.0
SA	LM00.14L	SWAR	MID	IND	1.1
SA	LM00.14L	SWAR	MID	AG	0.4
SA	LM00.14L	SWAR	MID	UNDEV	52.8
SA	LM00.14L	SWAR	ULT	RES	71.2
SA	LM00.14L	SWAR	ULT	COMM	6.9
SA	LM00.14L	SWAR	ULT	IND	1.9
SA	LM00.14L	SWAR	ULT	AG	17.0
SA	LM00.14L	SWAR	ULT	UNDEV	3.0
SA	LM00.32L	SWAR	EXIST	RES	28.3
SA	LM00.32L	SWAR	EXIST	COMM	2.7
SA	LM00.32L	SWAR	EXIST	IND	0.8
SA	LM00.32L	SWAR	EXIST	AG	0.5
SA	LM00.32L	SWAR	EXIST	UNDEV	67.7
SA	LM00.32L	SWAR	MID	RES	41.6
SA	LM00.32L	SWAR	MID	COMM	4.0
SA	LM00.32L	SWAR	MID	IND	1.1
SA	LM00.32L	SWAR	MID	AG	0.4
SA	LM00.32L	SWAR	MID	UNDEV	52.8
SA	LM00.32L	SWAR	ULT	RES	71.2
SA	LM00.32L	SWAR	ULT	COMM	6.9
SA	LM00.32L	SWAR	ULT	IND	1.9
SA	LM00.32L	SWAR	ULT	AG	17.0
SA	LM00.32L	SWAR	ULT	UNDEV	3.0
SA	LM00.41L	SWAR	EXIST	RES	28.3
SA	LM00.41L	SWAR	EXIST	COMM	2.7
SA	LM00.41L	SWAR	EXIST	IND	0.8
SA	LM00.41L	SWAR	EXIST	AG	0.5
SA	LM00.41L	SWAF	EXIST	UNDEV	67.7
SA	LM00.41L	SWAR	MID	RES	41.6
SA	LM00.41L	SWAR	MID	COMM	4.0
SA	LM00.41L	SWAR	MID	IND	1.1
SA	LM00.41L	SWAR	MID	AG	0.4
SA	LM00.41L	SWAR	MID	UNDEV	52.8
SA	LM00.41L	SWAR	ULT	RES	71.2
SA	LM00.41L	SWAR	ULT	COMM	6.9
SA	LM00.41L	SWAR	ULT	IND	1.9
SA	LM00.41L	SWAR	ULT	AG	17.0
SA	LM00.41L	SWAR	ULT	UNDEV	3.0
SA	LM00.66L	SWAR	EXIST	RES	28.3
SA	LM00.66L	SWAR	EXIST	COMM	2.7
SA	LM00.66L	SWAR	EXIST	IND	0.8
SA	LM00.66L	SWAR	EXIST	AG	0.5
SA	LM00.66L	SWAF	EXIST	UNDEV	67.7
SA	LM00.66L	SWAR	MID	RES	41.6
SA	LM00.66L	SWAR	MID	COMM	4.0
SA	LM00.66L	SWAR	MID	IND	1.1
SA	LM00.66L	SWAR	MID	AG	0.4
SA	LM00.66L	SWAF	MID	UNDEV	52.8
SA	LM00.66L	SWAR	ULT	RES	71.2
SA	LM00.66L	SWAR	ULT	COMM	6.9
SA	LM00.66L	SWAR	ULT	IND	1.9
SA	LM00.66L	SWAR	ULT	AG	17.0
SA	LM00.66L	SWAR	ULT	UNDEV	3.0
SA	LM00.85L	SWAR	EXIST	RES	28.3
SA	LM00.85L	SWAF	EXIST	COMM	2.7

REGIONAL STORMWATER MASTER PLAN DATA

SA	0803.2SR	SWR	EXIST	WE	0.4
SA	0803.2SR	SWR	EXIST	AE	0.4
SA	0803.2SR	SWR	EXIST	UNDEV	14.8
SA	0803.2SR	SWR	MID	RES	70.5
SA	0803.2SR	SWR	MID	COM	5.1
SA	0803.2SR	SWR	MID	IND	0.4
SA	0803.2SR	SWR	MID	AE	0.5
SA	0803.2SR	SWR	MID	UNDEV	19.5
SA	0803.2SR	SWR	ULT	RES	70.5
SA	0803.2SR	SWR	ULT	COM	9.1
SA	0803.2SR	SWR	ULT	IND	0.4
SA	0803.2SR	SWR	ULT	AE	0.4
SA	0803.2SR	SWR	ULT	UNDEV	14.8
SA	0803.2SR	SWR	ULT	RES	70.5
SA	0803.2SR	SWR	EXIST	COM	9.1
SA	0803.2SR	SWR	EXIST	IND	0.4
SA	0803.2SR	SWR	EXIST	AE	0.4
SA	0803.2SR	SWR	EXIST	UNDEV	14.8
SA	0803.2SR	SWR	EXIST	RES	70.5
SA	0803.2SR	SWR	EXIST	COM	9.1
SA	0803.2SR	SWR	EXIST	IND	0.4
SA	0803.2SR	SWR	EXIST	AE	0.4
SA	0803.2SR	SWR	EXIST	UNDEV	14.8
SA	0803.2SR	SWR	EXIST	RES	70.5
SA	0803.2SR	SWR	EXIST	COM	9.1
SA	0803.2SR	SWR	EXIST	IND	0.4
SA	0803.2SR	SWR	EXIST	AE	0.4
SA	0803.2SR	SWR	EXIST	UNDEV	14.8
SA	0803.2SR	SWR	EXIST	RES	70.5
SA	0803.2SR	SWR	EXIST	COM	9.1
SA	0803.2SR	SWR	EXIST	IND	0.4
SA	0803.2SR	SWR	EXIST	AE	0.4
SA	0803.2SR	SWR	EXIST	UNDEV	14.8
SA	0803.2SR	SWR	EXIST	RES	70.5
SA	0803.2SR	SWR	EXIST	COM	9.1
SA	0803.2SR	SWR	EXIST	IND	0.4
SA	0803.2SR	SWR	EXIST	AE	0.4
SA	0803.2SR	SWR	EXIST	UNDEV	14.8
SA	0803.2SR	SWR	EXIST	RES	70.5
SA	0803.2SR	SWR	EXIST	COM	9.1
SA	0803.2SR	SWR	EXIST	IND	0.4
SA	0803.2SR	SWR	EXIST	AE	0.4

REGIONAL STORMWATER MASTER PLAN DATA

SA	0802.38R	SWAR	MID	COMM	9.1
SA	0802.38R	SWAR	MID	IND	0.4
SA	0802.38R	SWAR	MID	AG	0.5
SA	0802.38R	SWAR	MID	UNDEV	19.5
SA	0802.38R	SWAR	ULT	RES	70.5
SA	0802.38R	SWAR	ULT	COMM	9.1
SA	0802.38R	SWAR	ULT	IND	0.4
SA	0802.38R	SWAR	ULT	AG	0.4
SA	0802.38R	SWAR	ULT	UNDEV	17.0
SA	0802.38R	SWAR	ULT	UNDEV	3.0
SA	0802.40R	SWAR	EXIST	RES	74.7
SA	0802.40R	SWAR	EXIST	COMM	9.7
SA	0802.40R	SWAR	EXIST	IND	0.4
SA	0802.40R	SWAR	EXIST	AG	0.4
SA	0802.40R	SWAR	EXIST	UNDEV	14.8
SA	0802.40R	SWAR	MID	RES	70.5
SA	0802.40R	SWAR	MID	COMM	9.1
SA	0802.40R	SWAR	MID	IND	0.4
SA	0802.40R	SWAR	MID	AG	0.5
SA	0802.40R	SWAR	MID	UNDEV	19.5
SA	0802.40R	SWAR	ULT	RES	70.5
SA	0802.40R	SWAR	ULT	COMM	9.1
SA	0802.40R	SWAR	ULT	IND	0.4
SA	0802.40R	SWAR	ULT	AG	17.0
SA	0802.40R	SWAR	ULT	UNDEV	3.0
SA	0803.04R	SWAR	EXIST	RES	74.7
SA	0803.04R	SWAR	EXIST	COMM	9.7
SA	0803.04R	SWAR	EXIST	IND	0.4
SA	0803.04R	SWAR	EXIST	AG	0.4
SA	0803.04R	SWAR	EXIST	UNDEV	14.8
SA	0803.04R	SWAR	MID	RES	70.5
SA	0803.04R	SWAR	MID	COMM	9.1
SA	0803.04R	SWAR	MID	IND	0.4
SA	0803.04R	SWAR	MID	AG	0.5
SA	0803.04R	SWAR	MID	UNDEV	19.5
SA	0803.04R	SWAR	ULT	RES	70.5
SA	0803.04R	SWAR	ULT	COMM	9.1
SA	0803.04R	SWAR	ULT	IND	0.4
SA	0803.04R	SWAR	ULT	AG	17.0
SA	0803.04R	SWAR	ULT	UNDEV	3.0
SA	0803.17R	SWAR	EXIST	RES	74.7
SA	0803.17R	SWAR	EXIST	COMM	9.7
SA	0803.17R	SWAR	EXIST	IND	0.4
SA	0803.17R	SWAR	EXIST	AG	0.4
SA	0803.17R	SWAR	EXIST	UNDEV	14.8
SA	0803.17R	SWAR	MID	RES	70.5
SA	0803.17R	SWAR	MID	COMM	9.1
SA	0803.17R	SWAR	MID	IND	0.4
SA	0803.17R	SWAR	MID	AG	0.5
SA	0803.17R	SWAR	MID	UNDEV	19.5
SA	0803.17R	SWAR	ULT	RES	70.5
SA	0803.17R	SWAR	ULT	COMM	9.1
SA	0803.17R	SWAR	ULT	IND	0.4
SA	0803.17R	SWAR	ULT	AG	17.0
SA	0803.17R	SWAR	ULT	UNDEV	3.0
SA	0803.23R	SWAR	EXIST	RES	74.7
SA	0803.23R	SWAR	EXIST	COMM	9.7

REGIONAL STORMWATER MASTER PLAN DATA

SA	0801.00P	SWAR	ULT	RES	70.5
SA	0801.00R	SWAR	ULT	COMM	9.1
SA	0801.00R	SWAR	ULT	IND	0.4
SA	0801.00R	SWAR	ULT	AG	17.0
SA	0801.00R	SWAR	ULT	UNDEV	3.0
SA	0801.08R	SWAR	EXIST	RES	74.7
SA	0801.08R	SWAR	EXIST	COMM	9.7
SA	0801.08R	SWAR	EXIST	IND	0.4
SA	0801.08R	SWAR	EXIST	AG	0.4
SA	0801.08R	SWAR	EXIST	UNDEV	14.8
SA	0801.08R	SWAR	MID	RES	70.5
SA	0801.08P	SWAR	MID	COMM	9.1
SA	0801.08R	SWAR	MID	IND	0.4
SA	0801.08R	SWAR	MID	AG	0.5
SA	0801.08R	SWAR	MID	UNDEV	19.5
SA	0801.08P	SWAR	ULT	RES	70.5
SA	0801.08R	SWAR	ULT	COMM	9.1
SA	0801.08R	SWAR	ULT	IND	0.4
SA	0801.08R	SWAR	ULT	AG	17.0
SA	0801.08R	SWAR	ULT	UNDEV	3.0
SA	0801.23R	SWAR	EXIST	RES	74.7
SA	0801.23P	SWAR	EXIST	COMM	9.7
SA	0801.23R	SWAR	EXIST	IND	0.4
SA	0801.23R	SWAR	EXIST	AG	0.4
SA	0801.23R	SWAR	EXIST	UNDEV	14.8
SA	0801.23P	SWAR	MID	RES	70.5
SA	0801.23R	SWAR	MID	COMM	9.1
SA	0801.23P	SWAR	MID	IND	0.4
SA	0801.23R	SWAR	MID	AG	0.5
SA	0801.23P	SWAR	MID	UNDEV	19.5
SA	0801.23R	SWAR	ULT	RES	70.5
SA	0801.23R	SWAR	ULT	COMM	9.1
SA	0801.23R	SWAR	ULT	IND	0.4
SA	0801.23R	SWAR	ULT	AG	17.0
SA	0801.23R	SWAR	ULT	UNDEV	3.0
SA	0801.30R	SWAR	EXIST	RES	74.7
SA	0801.30P	SWAR	EXIST	COMM	9.7
SA	0801.30R	SWAR	EXIST	IND	0.4
SA	0801.30R	SWAR	EXIST	AG	0.4
SA	0801.30R	SWAR	EXIST	UNDEV	14.8
SA	0801.30P	SWAR	MID	RES	70.5
SA	0801.30R	SWAR	MID	COMM	9.1
SA	0801.30R	SWAR	MID	IND	0.4
SA	0801.30R	SWAR	MID	AG	0.5
SA	0801.30R	SWAR	MID	UNDEV	19.5
SA	0801.30R	SWAR	ULT	RES	70.5
SA	0801.30P	SWAR	ULT	COMM	9.1
SA	0801.30R	SWAR	ULT	IND	0.4
SA	0801.30P	SWAR	ULT	AG	17.0
SA	0801.30R	SWAR	ULT	UNDEV	3.0
SA	0802.38R	SWAR	EXIST	RES	74.7
SA	0802.38R	SWAR	EXIST	COMM	9.7
SA	0802.38R	SWAR	EXIST	IND	0.4
SA	0802.38R	SWAR	EXIST	AG	0.4
SA	0802.38P	SWAR	EXIST	UNDEV	14.8
SA	0802.38R	SWAR	MID	RES	70.5

REGIONAL STORMWATER MASTER PLAN DATA

BA	0805.97L	SWAR	EXIST	AG	0.4
BA	0805.97L	SWAR	EXIST	UNDEV	14.8
BA	0805.97L	SWAR	MID	RES	70.5
BA	0805.97L	SWAR	MID	COMM	9.1
BA	0805.97L	SWAR	MID	IND	0.4
BA	0805.97L	SWAR	MID	AG	0.5
BA	0805.97L	SWAR	MID	UNDEV	19.5
BA	0805.97L	SWAR	ULT	RES	70.5
BA	0805.97L	SWAR	ULT	COMM	9.1
BA	0805.97L	SWAR	ULT	IND	0.4
BA	0805.97L	SWAR	ULT	AG	17.0
BA	0805.97L	SWAR	ULT	UNDEV	3.0
BA	0806.85L	SWAR	EXIST	RES	74.7
BA	0806.85L	SWAR	EXIST	COMM	9.7
BA	0806.85L	SWAR	EXIST	IND	0.4
BA	0806.85L	SWAR	EXIST	AG	0.4
BA	0806.85L	SWAR	EXIST	UNDEV	14.8
BA	0806.85L	SWAR	MID	RES	70.5
BA	0806.85L	SWAR	MID	COMM	9.1
BA	0806.85L	SWAR	MID	IND	0.4
BA	0806.85L	SWAR	MID	AG	0.5
BA	0806.85L	SWAR	MID	UNDEV	19.5
BA	0806.85L	SWAR	ULT	RES	70.5
BA	0806.85L	SWAR	ULT	COMM	9.1
BA	0806.85L	SWAR	ULT	IND	0.4
BA	0806.85L	SWAR	ULT	AG	17.0
BA	0806.85L	SWAR	ULT	UNDEV	3.0
BA	0807.32L	SWAR	EXIST	RES	74.7
BA	0807.32L	SWAR	EXIST	COMM	9.7
BA	0807.32L	SWAR	EXIST	IND	0.4
BA	0807.32L	SWAR	EXIST	AG	0.4
BA	0807.32L	SWAR	EXIST	UNDEV	14.8
BA	0807.32L	SWAR	MID	RES	70.5
BA	0807.32L	SWAR	MID	COMM	9.1
BA	0807.32L	SWAR	MID	IND	0.4
BA	0807.32L	SWAR	MID	AG	0.5
BA	0807.32L	SWAR	MID	UNDEV	19.5
BA	0807.32L	SWAR	ULT	RES	70.5
BA	0807.32L	SWAR	ULT	COMM	9.1
BA	0807.32L	SWAR	ULT	IND	0.4
BA	0807.32L	SWAR	ULT	AG	17.0
BA	0807.32L	SWAR	ULT	UNDEV	3.0
BA	0808.46L	SWAR	EXIST	RES	74.7
BA	0808.46L	SWAR	EXIST	COMM	9.7
BA	0808.46L	SWAR	EXIST	IND	0.4
BA	0808.46L	SWAR	EXIST	AG	0.4
BA	0808.46L	SWAR	EXIST	UNDEV	14.8
BA	0808.46L	SWAR	MID	RES	70.5
BA	0808.46L	SWAR	MID	COMM	9.1
BA	0808.46L	SWAR	MID	IND	0.4
BA	0808.46L	SWAR	MID	AG	0.5
BA	0808.46L	SWAR	MID	UNDEV	19.5
BA	0808.46L	SWAR	ULT	RES	70.5
BA	0808.46L	SWAR	ULT	COMM	9.1
BA	0808.46L	SWAR	ULT	IND	0.4
BA	0808.46L	SWAR	ULT	AG	17.0

REGIONAL STORMWATER MASTER PLAN DATA

SA	0805.10L	SWAR	MID	IND	0.4
SA	0805.10L	SWAR	MID	AG	0.5
SA	0805.10L	SWAR	MID	UNDEV	19.5
SA	0805.10L	SWAR	ULT	RES	70.5
SA	0805.10L	SWAR	ULT	COMM	9.1
SA	0805.10L	SWAR	ULT	IND	0.4
SA	0805.10L	SWAR	ULT	AG	17.0
SA	0805.10L	SWAR	ULT	UNDEV	3.0
SA	0805.25L	SWAR	EXIST	RES	74.7
SA	0805.25L	SWAR	EXIST	COMM	9.7
SA	0805.25L	SWAR	EXIST	IND	0.4
SA	0805.25L	SWAR	EXIST	AG	0.4
SA	0805.25L	SWAR	EXIST	UNDEV	14.8
SA	0805.25L	SWAR	MID	RES	70.5
SA	0805.25L	SWAR	MID	COMM	9.1
SA	0805.25L	SWAR	MID	IND	0.4
SA	0805.25L	SWAR	MID	AG	0.5
SA	0805.25L	SWAR	MID	UNDEV	19.5
SA	0805.25L	SWAR	ULT	RES	70.5
SA	0805.25L	SWAR	ULT	COMM	9.1
SA	0805.25L	SWAR	ULT	IND	0.4
SA	0805.25L	SWAR	ULT	AG	17.0
SA	0805.25L	SWAR	ULT	UNDEV	3.0
SA	0805.32L	SWAR	EXIST	RES	74.7
SA	0805.32L	SWAR	EXIST	COMM	9.7
SA	0805.32L	SWAR	EXIST	IND	0.4
SA	0805.32L	SWAR	EXIST	AG	0.4
SA	0805.32L	SWAR	EXIST	UNDEV	14.8
SA	0805.32L	SWAR	MID	RES	70.5
SA	0805.32L	SWAR	MID	COMM	9.1
SA	0805.32L	SWAR	MID	IND	0.4
SA	0805.32L	SWAR	MID	AG	0.5
SA	0805.32L	SWAR	MID	UNDEV	19.5
SA	0805.32L	SWAR	ULT	RES	70.5
SA	0805.32L	SWAR	ULT	COMM	9.1
SA	0805.32L	SWAR	ULT	IND	0.4
SA	0805.32L	SWAR	ULT	AG	17.0
SA	0805.32L	SWAR	ULT	UNDEV	3.0
SA	0805.62L	SWAR	EXIST	RES	74.7
SA	0805.62L	SWAR	EXIST	COMM	9.7
SA	0805.62L	SWAR	EXIST	IND	0.4
SA	0805.62L	SWAR	EXIST	AG	0.4
SA	0805.62L	SWAR	EXIST	UNDEV	14.8
SA	0805.62L	SWAR	MID	RES	70.5
SA	0805.62L	SWAR	MID	COMM	9.1
SA	0805.62L	SWAR	MID	IND	0.4
SA	0805.62L	SWAR	MID	AG	0.5
SA	0805.62L	SWAR	MID	UNDEV	19.5
SA	0805.62L	SWAR	ULT	RES	70.5
SA	0805.62L	SWAR	ULT	COMM	9.1
SA	0805.62L	SWAR	ULT	IND	0.4
SA	0805.62L	SWAR	ULT	AG	17.0
SA	0805.62L	SWAR	ULT	UNDEV	3.0
SA	0805.97L	SWAR	EXIST	RES	74.7
SA	0805.97L	SWAR	EXIST	COMM	9.7
SA	0805.97L	SWAR	EXIST	IND	0.4

REGIONAL STORMWATER MASTER PLAN DATA

8A	0804.73L	SWAR	ULT	CONN	9.1
8A	0804.73L	SWAR	ULT	IND	0.4
8A	0804.73L	SWAR	ULT	AG	17.0
8A	0804.73L	SWAR	ULT	UNDEV	7.0
8A	0804.80L	SWAR	EXIST	RES	74.7
8A	0804.80L	SWAR	EXIST	CONN	9.7
8A	0804.80L	SWAR	EXIST	IND	0.4
8A	0804.80L	SWAR	EXIST	AG	0.4
8A	0804.80L	SWAR	EXIST	UNDEV	14.8
8A	0804.80L	SWAR	MID	RES	70.5
8A	0804.80L	SWAR	MID	CONN	9.1
8A	0804.80L	SWAR	MID	IND	0.4
8A	0804.80L	SWAR	MID	AG	0.5
8A	0804.80L	SWAR	MID	UNDEV	19.5
8A	0804.80L	SWAR	ULT	RES	70.5
8A	0804.80L	SWAR	ULT	CONN	9.1
8A	0804.80L	SWAR	ULT	IND	0.4
8A	0804.80L	SWAR	ULT	AG	17.0
8A	0804.80L	SWAR	ULT	UNDEV	7.0
8A	0804.86L	SWAR	EXIST	RES	74.7
8A	0804.86L	SWAR	EXIST	CONN	9.7
8A	0804.86L	SWAR	EXIST	IND	0.4
8A	0804.86L	SWAR	EXIST	AG	0.4
8A	0804.86L	SWAR	EXIST	UNDEV	14.8
8A	0804.86L	SWAR	MID	RES	70.5
8A	0804.86L	SWAR	MID	CONN	9.1
8A	0804.86L	SWAR	MID	IND	0.4
8A	0804.86L	SWAR	MID	AG	0.5
8A	0804.86L	SWAR	MID	UNDEV	19.5
8A	0804.86L	SWAR	ULT	RES	70.5
8A	0804.86L	SWAR	ULT	CONN	9.1
8A	0804.86L	SWAR	ULT	IND	0.4
8A	0804.86L	SWAR	ULT	AG	17.0
8A	0804.86L	SWAR	ULT	UNDEV	7.0
8A	0804.92L	SWAR	EXIST	RES	74.7
8A	0804.92L	SWAR	EXIST	CONN	9.7
8A	0804.92L	SWAR	EXIST	IND	0.4
8A	0804.92L	SWAR	EXIST	AG	0.4
8A	0804.92L	SWAR	EXIST	UNDEV	14.8
8A	0804.92L	SWAR	MID	RES	70.5
8A	0804.92L	SWAR	MID	CONN	9.1
8A	0804.92L	SWAR	MID	IND	0.4
8A	0804.92L	SWAR	MID	AG	0.5
8A	0804.92L	SWAR	MID	UNDEV	19.5
8A	0804.92L	SWAR	ULT	RES	70.5
8A	0804.92L	SWAR	ULT	CONN	9.1
8A	0804.92L	SWAR	ULT	IND	0.4
8A	0804.92L	SWAR	ULT	AG	17.0
8A	0804.92L	SWAR	ULT	UNDEV	7.0
8A	0805.10L	SWAR	EXIST	RES	74.7
8A	0805.10L	SWAR	EXIST	CONN	9.7
8A	0805.10L	SWAR	EXIST	IND	0.4
8A	0805.10L	SWAR	EXIST	AG	0.4
8A	0805.10L	SWAR	EXIST	UNDEV	14.8
8A	0805.10L	SWAR	MID	RES	70.5
8A	0805.10L	SWAR	MID	CONN	9.1
8A	0805.10L	SWAR	MID	IND	0.4
8A	0805.10L	SWAR	MID	AG	0.5
8A	0805.10L	SWAR	MID	UNDEV	19.5

REGIONAL STORMWATER MASTER PLAN DATA

SA	0804.47L	SWAR	EXIST	RES	74.7
SA	0804.47L	SWAR	EXIST	COMM	9.7
SA	0804.47L	SWAR	EXIST	IND	0.4
SA	0804.47L	SWAR	EXIST	AG	0.4
SA	0804.47L	SWAR	EXIST	UNDEV	14.8
SA	0804.47L	SWAR	MID	RES	70.5
SA	0804.47L	SWAR	MID	COMM	9.1
SA	0804.47L	SWAR	MID	IND	0.4
SA	0804.47L	SWAR	MID	AG	0.5
SA	0804.47L	SWAR	MID	UNDEV	19.5
SA	0804.47L	SWAR	ULT	RES	70.5
SA	0804.47L	SWAR	ULT	COMM	9.1
SA	0804.47L	SWAR	ULT	IND	0.4
SA	0804.47L	SWAR	ULT	AG	17.0
SA	0804.47L	SWAR	ULT	UNDEV	3.0
SA	0804.56L	SWAR	EXIST	RES	74.7
SA	0804.56L	SWAR	EXIST	COMM	9.7
SA	0804.56L	SWAR	EXIST	IND	0.4
SA	0804.56L	SWAR	EXIST	AG	0.4
SA	0804.56L	SWAR	EXIST	UNDEV	14.2
SA	0804.56L	SWAR	MID	RES	70.5
SA	0804.56L	SWAR	MID	COMM	9.1
SA	0804.56L	SWAR	MID	IND	0.4
SA	0804.56L	SWAR	MID	AG	0.5
SA	0804.56L	SWAR	MID	UNDEV	19.5
SA	0804.56L	SWAR	ULT	RES	70.5
SA	0804.56L	SWAR	ULT	COMM	9.1
SA	0804.56L	SWAR	ULT	IND	0.4
SA	0804.56L	SWAR	ULT	AG	17.0
SA	0804.56L	SWAR	ULT	UNDEV	3.0
SA	0804.66L	SWAR	EXIST	RES	74.7
SA	0804.66L	SWAR	EXIST	COMM	9.7
SA	0804.66L	SWAR	EXIST	IND	0.4
SA	0804.66L	SWAR	EXIST	AG	0.4
SA	0804.66L	SWAR	EXIST	UNDEV	14.8
SA	0804.66L	SWAR	MID	RES	70.5
SA	0804.66L	SWAR	MID	COMM	9.1
SA	0804.66L	SWAR	MID	IND	0.4
SA	0804.66L	SWAR	MID	AG	0.5
SA	0804.66L	SWAR	MID	UNDEV	19.5
SA	0804.66L	SWAR	ULT	RES	70.5
SA	0804.66L	SWAR	ULT	COMM	9.1
SA	0804.66L	SWAR	ULT	IND	0.4
SA	0804.66L	SWAR	ULT	AG	17.0
SA	0804.66L	SWAR	ULT	UNDEV	3.0
SA	0804.73L	SWAR	EXIST	RES	74.7
SA	0804.73L	SWAR	EXIST	COMM	9.7
SA	0804.73L	SWAR	EXIST	IND	0.4
SA	0804.73L	SWAR	EXIST	AG	0.4
SA	0804.73L	SWAR	EXIST	UNDEV	14.8
SA	0804.73L	SWAR	MID	RES	70.5
SA	0804.73L	SWAR	MID	COMM	9.1
SA	0804.73L	SWAR	MID	IND	0.4
SA	0804.73L	SWAR	MID	AG	0.5
SA	0804.73L	SWAR	MID	UNDEV	19.5
SA	0804.73L	SWAR	ULT	RES	70.5

REGIONAL STORMWATER MASTER PLAN DATA

5A	NR33,49L	SWR	EXIST	UNDEV	70.4
5A	NR33,49L	SWR	MID	RES	2.0
5A	NR33,49L	SWR	MID	COMM	0.1
5A	NR33,49L	SWR	MID	IND	0.2
5A	NR33,49L	SWR	MID	RES	27.5
5A	NR33,49L	SWR	MID	UNDEV	79.2
5A	NR33,49L	SWR	ULT	RES	34.3
5A	NR33,49L	SWR	ULT	COMM	6.5
5A	NR33,49L	SWR	ULT	IND	0.3
5A	NR33,49L	SWR	ULT	RES	15.0
5A	NR33,49L	SWR	ULT	UNDEV	43.9
5A	NR33,73L	SWR	EXIST	RES	1.3
5A	NR33,73L	SWR	EXIST	COMM	0.1
5A	NR33,73L	SWR	EXIST	IND	0.4
5A	NR33,73L	SWR	EXIST	RES	27.8
5A	NR33,73L	SWR	EXIST	UNDEV	70.4
5A	NR33,73L	SWR	EXIST	RES	2.0
5A	NR33,73L	SWR	EXIST	COMM	0.1
5A	NR33,73L	SWR	EXIST	IND	0.1
5A	NR33,73L	SWR	EXIST	RES	27.5
5A	NR33,73L	SWR	EXIST	UNDEV	70.2
5A	NR33,73L	SWR	ULT	RES	34.3
5A	NR33,73L	SWR	ULT	COMM	6.5
5A	NR33,73L	SWR	ULT	IND	0.3
5A	NR33,73L	SWR	ULT	RES	15.0
5A	NR33,73L	SWR	ULT	UNDEV	43.9
5A	NR33,96L	SWR	EXIST	RES	1.3
5A	NR33,96L	SWR	EXIST	COMM	0.1
5A	NR33,96L	SWR	EXIST	IND	0.4
5A	NR33,96L	SWR	EXIST	RES	27.8
5A	NR33,96L	SWR	EXIST	UNDEV	70.4
5A	NR33,96L	SWR	EXIST	RES	2.0
5A	NR33,96L	SWR	EXIST	COMM	0.1
5A	NR33,96L	SWR	EXIST	IND	0.2
5A	NR33,96L	SWR	EXIST	RES	27.5
5A	NR33,96L	SWR	EXIST	UNDEV	70.2
5A	NR33,96L	SWR	ULT	RES	34.3
5A	NR33,96L	SWR	ULT	COMM	6.5
5A	NR33,96L	SWR	ULT	IND	0.3
5A	NR33,96L	SWR	ULT	RES	15.0
5A	NR33,96L	SWR	ULT	UNDEV	43.9
5A	NR34,25L	SWR	EXIST	RES	74.7
5A	NR34,25L	SWR	EXIST	COMM	9.7
5A	NR34,25L	SWR	EXIST	IND	0.4
5A	NR34,25L	SWR	EXIST	RES	0.4
5A	NR34,25L	SWR	EXIST	UNDEV	14.8
5A	NR34,25L	SWR	EXIST	RES	70.5
5A	NR34,25L	SWR	EXIST	COMM	9.3
5A	NR34,25L	SWR	EXIST	IND	0.4
5A	NR34,25L	SWR	EXIST	RES	0.5
5A	NR34,25L	SWR	EXIST	UNDEV	15.5
5A	NR34,25L	SWR	EXIST	RES	76.5
5A	NR34,25L	SWR	EXIST	COMM	9.1
5A	NR34,25L	SWR	EXIST	IND	0.4
5A	NR34,25L	SWR	EXIST	RES	12.0
5A	NR34,25L	SWR	EXIST	UNDEV	3.0

REGIONAL STORMWATER MASTER PLAN DATA

SA	NR32.59L	SWAR	MID	AS	48.7
SA	NR31.69L	SWAR	MID	UNDEV	47.3
SA	NR28.69L	SWAR	ULT	RES	63.5
SA	NR23.69L	SWAR	ULT	COMM	5.5
SA	NR33.69L	SWAR	ULT	IND	0.3
SA	NR28.69L	SWAR	ULT	AS	26.1
SA	NR25.69L	SWAR	ULT	UNDEV	4.8
SA	NR31.25L	SWAR	EXIST	RES	2.5
SA	NR31.25L	SWAR	EXIST	COMM	0.1
SA	NR31.25L	SWAR	EXIST	IND	0.3
SA	NR31.25L	SWAR	EXIST	AS	49.2
SA	NR31.25L	SWAR	EXIST	UNDEV	47.8
SA	NR31.25L	SWAR	MID	RES	3.6
SA	NR31.25L	SWAR	MID	COMM	0.1
SA	NR31.25L	SWAR	MID	IND	0.3
SA	NR31.25L	SWAR	MID	AS	48.7
SA	NR31.25L	SWAR	MID	UNDEV	47.3
SA	NR31.25L	SWAR	ULT	RES	63.5
SA	NR31.25L	SWAR	ULT	COMM	5.5
SA	NR31.25L	SWAR	ULT	IND	0.3
SA	NR31.25L	SWAR	ULT	AS	26.1
SA	NR31.25L	SWAR	ULT	UNDEV	4.8
SA	NR32.04L	SWAR	EXIST	RES	1.3
SA	NR32.04L	SWAR	EXIST	COMM	0.1
SA	NR32.04L	SWAR	EXIST	IND	0.4
SA	NR32.04L	SWAR	EXIST	AS	27.8
SA	NR32.04L	SWAR	EXIST	UNDEV	70.4
SA	NR32.04L	SWAR	MID	RES	2.0
SA	NR32.04L	SWAR	MID	COMM	0.1
SA	NR32.04L	SWAR	MID	IND	0.2
SA	NR32.04L	SWAR	MID	AS	27.8
SA	NR32.04L	SWAR	MID	UNDEV	70.2
SA	NR32.04L	SWAR	ULT	RES	24.3
SA	NR32.04L	SWAR	ULT	COMM	6.5
SA	NR32.04L	SWAR	ULT	IND	0.3
SA	NR32.04L	SWAR	ULT	AS	15.0
SA	NR32.04L	SWAR	ULT	UNDEV	43.9
SA	NR34.50L	SWAR	EXIST	RES	1.3
SA	NR34.50L	SWAR	EXIST	COMM	0.1
SA	NR34.50L	SWAR	EXIST	IND	0.4
SA	NR34.50L	SWAR	EXIST	AS	27.8
SA	NR34.50L	SWAR	EXIST	UNDEV	70.4
SA	NR34.50L	SWAR	MID	RES	2.0
SA	NR34.50L	SWAR	MID	COMM	0.1
SA	NR34.50L	SWAR	MID	IND	0.2
SA	NR34.50L	SWAR	MID	AS	27.8
SA	NR34.50L	SWAR	MID	UNDEV	70.2
SA	NR34.50L	SWAR	ULT	RES	24.3
SA	NR34.50L	SWAR	ULT	COMM	6.5
SA	NR34.50L	SWAR	ULT	IND	0.3
SA	NR34.50L	SWAR	ULT	AS	15.0
SA	NR34.50L	SWAR	ULT	UNDEV	43.9
SA	NR35.40L	SWAR	EXIST	RES	1.3
SA	NR35.40L	SWAR	EXIST	COMM	0.1
SA	NR35.40L	SWAR	EXIST	IND	0.4
SA	NR35.40L	SWAR	EXIST	AS	27.8

REGIONAL STORMWATER MASTER PLAN DATA

SA	NR21.53L	SWAR	ULT	IND	0.3
SA	NR21.53L	SWAR	ULT	AG	26.1
SA	NR21.53L	SWAR	ULT	UNDEV	4.6
SA	NR22.95L	SWAR	EXIST	RES	2.5
SA	NR22.95L	SWAR	EXIST	COMM	0.1
SA	NR22.95L	SWAR	EXIST	IND	0.3
SA	NR22.95L	SWAR	EXIST	AG	49.2
SA	NR22.95L	SWAR	EXIST	UNDEV	47.8
SA	NR22.95L	SWAR	MID	RES	3.6
SA	NR22.95L	SWAR	MID	COMM	0.1
SA	NR22.95L	SWAR	MID	IND	0.3
SA	NR22.95L	SWAR	MID	AG	49.7
SA	NR22.95L	SWAR	MID	UNDEV	47.3
SA	NR22.95L	SWAR	ULT	RES	63.5
SA	NR22.95L	SWAR	ULT	COMM	5.5
SA	NR22.95L	SWAR	ULT	IND	0.3
SA	NR22.95L	SWAR	ULT	AG	26.1
SA	NR22.95L	SWAR	ULT	UNDEV	4.6
SA	NR28.63L	SWAR	EXIST	RES	2.5
SA	NR28.63L	SWAR	EXIST	COMM	0.1
SA	NR28.63L	SWAR	EXIST	IND	0.3
SA	NR28.63L	SWAR	EXIST	AG	49.2
SA	NR28.63L	SWAR	EXIST	UNDEV	47.8
SA	NR28.63L	SWAR	MID	RES	3.6
SA	NR28.63L	SWAR	MID	COMM	0.1
SA	NR28.63L	SWAR	MID	IND	0.3
SA	NR28.63L	SWAR	MID	AG	49.7
SA	NR28.63L	SWAR	MID	UNDEV	47.3
SA	NR28.63L	SWAR	ULT	RES	63.5
SA	NR28.63L	SWAR	ULT	COMM	5.5
SA	NR28.63L	SWAR	ULT	IND	0.3
SA	NR28.63L	SWAR	ULT	AG	26.1
SA	NR28.63L	SWAR	ULT	UNDEV	4.6
SA	NR28.66L	SWAR	EXIST	RES	2.5
SA	NR28.66L	SWAR	EXIST	COMM	0.1
SA	NR28.66L	SWAR	EXIST	IND	0.3
SA	NR28.66L	SWAR	EXIST	AG	49.2
SA	NR28.66L	SWAR	EXIST	UNDEV	47.8
SA	NR28.66L	SWAR	MID	RES	3.6
SA	NR28.66L	SWAR	MID	COMM	0.1
SA	NR28.66L	SWAR	MID	IND	0.3
SA	NR28.66L	SWAR	MID	AG	49.7
SA	NR28.66L	SWAR	MID	UNDEV	47.3
SA	NR28.66L	SWAR	ULT	RES	63.5
SA	NR28.66L	SWAR	ULT	COMM	5.5
SA	NR28.66L	SWAR	ULT	IND	0.3
SA	NR28.66L	SWAR	ULT	AG	26.1
SA	NR28.66L	SWAR	ULT	UNDEV	4.6
SA	NR28.69L	SWAR	EXIST	RES	2.5
SA	NR28.69L	SWAR	EXIST	COMM	0.1
SA	NR28.69L	SWAR	EXIST	IND	0.3
SA	NR28.69L	SWAR	EXIST	AG	49.2
SA	NR28.69L	SWAR	EXIST	UNDEV	47.8
SA	NR28.69L	SWAR	MID	RES	3.6
SA	NR28.69L	SWAR	MID	COMM	0.1
SA	NR28.69L	SWAR	MID	IND	0.3

REGIONAL STORMWATER MASTER PLAN DATA

84	NR16.90L	SWAR	EXIST	COMM	0.8
84	NR16.90L	SWAR	EXIST	IND	0.3
84	NR16.90L	SWAR	EXIST	AS	48.2
84	NR16.90L	SWAR	EXIST	UNDEV	42.4
84	NR16.90L	SWAR	MID	RES	10.5
84	NR16.90L	SWAR	MID	COMM	1.4
84	NR16.90L	SWAR	MID	IND	0.3
84	NR16.90L	SWAR	MID	AS	46.2
84	NR16.90L	SWAR	MID	UNDEV	41.4
84	NR16.90L	SWAR	UT	RES	60.4
84	NR16.90L	SWAR	UT	COMM	5.7
84	NR16.90L	SWAR	UT	IND	5.9
84	NR16.90L	SWAR	UT	AS	24.0
84	NR19.08L	SWAR	UT	UNDEV	4.1
84	NR19.08L	SWAR	EXIST	RES	2.5
84	NR19.08L	SWAR	EXIST	COMM	0.1
84	NR19.08L	SWAR	EXIST	IND	0.3
84	NR19.08L	SWAR	EXIST	AS	49.2
84	NR19.08L	SWAR	EXIST	UNDEV	47.8
84	NR19.08L	SWAR	MID	RES	3.5
84	NR19.08L	SWAR	MID	COMM	0.1
84	NR19.08L	SWAR	MID	IND	0.3
84	NR19.08L	SWAR	MID	AS	48.7
84	NR19.08L	SWAR	MID	UNDEV	47.3
84	NR19.08L	SWAR	UT	RES	63.8
84	NR19.08L	SWAR	UT	COMM	5.5
84	NR19.08L	SWAR	UT	IND	0.3
84	NR19.08L	SWAR	UT	AS	26.1
84	NR19.08L	SWAR	UT	UNDEV	4.6
84	NR20.28L	SWAR	EXIST	RES	2.5
84	NR20.28L	SWAR	EXIST	COMM	0.1
84	NR20.28L	SWAR	EXIST	IND	0.3
84	NR20.28L	SWAR	EXIST	AS	49.2
84	NR20.28L	SWAR	EXIST	UNDEV	47.8
84	NR20.28L	SWAR	MID	RES	3.6
84	NR20.28L	SWAR	MID	COMM	0.1
84	NR20.28L	SWAR	MID	IND	0.3
84	NR20.28L	SWAR	MID	AS	49.7
84	NR20.28L	SWAR	MID	UNDEV	47.3
84	NR20.28L	SWAR	UT	RES	63.8
84	NR20.28L	SWAR	UT	COMM	5.5
84	NR20.28L	SWAR	UT	IND	0.3
84	NR20.28L	SWAR	UT	AS	26.1
84	NR20.28L	SWAR	UT	UNDEV	4.6
84	NR21.53L	SWAR	EXIST	RES	2.5
84	NR21.53L	SWAR	EXIST	COMM	0.1
84	NR21.53L	SWAR	EXIST	IND	0.3
84	NR21.53L	SWAR	EXIST	AS	49.2
84	NR21.53L	SWAR	EXIST	UNDEV	47.8
84	NR21.53L	SWAR	MID	RES	3.6
84	NR21.53L	SWAR	MID	COMM	0.1
84	NR21.53L	SWAR	MID	IND	0.3
84	NR21.53L	SWAR	MID	AS	48.7
84	NR21.53L	SWAR	MID	UNDEV	47.3
84	NR21.53L	SWAR	UT	RES	63.8
84	NR21.53L	SWAR	UT	COMM	5.5
84	NR21.53L	SWAR	UT	IND	0.3
84	NR21.53L	SWAR	UT	AS	26.1
84	NR21.53L	SWAR	UT	UNDEV	4.6

REGIONAL STORMWATER MASTER PLAN DATA

SA	NR15.24L	SWAR	MID	RES	17.4
SA	NR15.24L	SWAR	MID	COMM	2.6
SA	NR15.24L	SWAR	MID	IND	0.3
SA	NR15.24L	SWAR	MID	AG	43.6
SA	NR15.24L	SWAR	MID	UNDEV	36.0
SA	NR15.24L	SWAR	ULT	RES	57.2
SA	NR15.24L	SWAR	ULT	COMM	5.8
SA	NR15.24L	SWAR	ULT	IND	11.2
SA	NR15.24L	SWAR	ULT	AG	21.9
SA	NR15.24L	SWAR	ULT	UNDEV	3.9
SA	NR15.66L	SWAR	EXIST	RES	14.2
SA	NR15.66L	SWAR	EXIST	COMM	1.2
SA	NR15.66L	SWAR	EXIST	IND	0.2
SA	NR15.66L	SWAR	EXIST	AG	47.2
SA	NR15.66L	SWAR	EXIST	UNDEV	37.2
SA	NR15.66L	SWAR	MID	RES	17.4
SA	NR15.66L	SWAR	MID	COMM	2.6
SA	NR15.66L	SWAR	MID	IND	0.3
SA	NR15.66L	SWAR	MID	AG	43.6
SA	NR15.66L	SWAR	MID	UNDEV	36.0
SA	NR15.66L	SWAR	ULT	RES	57.2
SA	NR15.66L	SWAR	ULT	COMM	5.8
SA	NR15.66L	SWAR	ULT	IND	11.2
SA	NR15.66L	SWAR	ULT	AG	21.9
SA	NR15.66L	SWAR	ULT	UNDEV	3.9
SA	NR16.40L	SWAR	EXIST	RES	14.2
SA	NR16.40L	SWAR	EXIST	COMM	1.2
SA	NR16.40L	SWAR	EXIST	IND	0.2
SA	NR16.40L	SWAR	EXIST	AG	47.2
SA	NR16.40L	SWAR	EXIST	UNDEV	37.2
SA	NR16.40L	SWAR	MID	RES	17.4
SA	NR16.40L	SWAR	MID	COMM	2.6
SA	NR16.40L	SWAR	MID	IND	0.3
SA	NR16.40L	SWAR	MID	AG	43.6
SA	NR16.40L	SWAR	MID	UNDEV	36.0
SA	NR16.40L	SWAR	ULT	RES	57.2
SA	NR16.40L	SWAR	ULT	COMM	5.8
SA	NR16.40L	SWAR	ULT	IND	11.2
SA	NR16.40L	SWAR	ULT	AG	21.9
SA	NR16.40L	SWAR	ULT	UNDEV	3.9
SA	NR16.61L	SWAR	EXIST	RES	14.2
SA	NR16.61L	SWAR	EXIST	COMM	1.2
SA	NR16.61L	SWAR	EXIST	IND	0.2
SA	NR16.61L	SWAR	EXIST	AG	47.2
SA	NR16.61L	SWAR	EXIST	UNDEV	37.2
SA	NR16.61L	SWAR	MID	RES	17.4
SA	NR16.61L	SWAR	MID	COMM	2.6
SA	NR16.61L	SWAR	MID	IND	0.3
SA	NR16.61L	SWAR	MID	AG	43.6
SA	NR16.61L	SWAR	MID	UNDEV	36.0
SA	NR16.61L	SWAR	ULT	RES	57.2
SA	NR16.61L	SWAR	ULT	COMM	5.8
SA	NR16.61L	SWAR	ULT	IND	11.2
SA	NR16.61L	SWAR	ULT	AG	21.9
SA	NR16.61L	SWAR	ULT	UNDEV	3.9
SA	NR16.90L	SWAR	EXIST	RES	8.3

REGIONAL STORMWATER MASTER PLAN DATA

SA	NR13.95L	SWAR	MID	UNDEV	36.0
SA	NR13.95L	SWAR	ULT	RES	57.2
SA	NR13.95L	SWAR	ULT	COMM	5.8
SA	NR13.95L	SWAR	ULT	IND	11.2
SA	NR13.95L	SWAR	ULT	AG	21.9
SA	NR13.95L	SWAR	ULT	UNDEV	3.9
SA	NR14.07L	SWAR	EXIST	RES	14.2
SA	NR14.07L	SWAR	EXIST	COMM	1.2
SA	NR14.07L	SWAR	EXIST	IND	0.2
SA	NR14.07L	SWAR	EXIST	AG	47.2
SA	NR14.07L	SWAR	EXIST	UNDEV	37.2
SA	NR14.07L	SWAR	MID	RES	17.4
SA	NR14.07L	SWAR	MID	COMM	2.6
SA	NR14.07L	SWAR	MID	IND	0.3
SA	NR14.07L	SWAR	MID	AG	43.6
SA	NR14.07L	SWAR	MID	UNDEV	36.0
SA	NR14.07L	SWAR	ULT	RES	57.2
SA	NR14.07L	SWAR	ULT	COMM	5.8
SA	NR14.07L	SWAR	ULT	IND	11.2
SA	NR14.07L	SWAR	ULT	AG	21.9
SA	NR14.07L	SWAR	ULT	UNDEV	3.9
SA	NR14.37L	SWAR	EXIST	RES	14.2
SA	NR14.37L	SWAR	EXIST	COMM	1.2
SA	NR14.37L	SWAR	EXIST	IND	0.2
SA	NR14.37L	SWAR	EXIST	AG	47.2
SA	NR14.37L	SWAR	EXIST	UNDEV	37.2
SA	NR14.37L	SWAR	MID	RES	17.4
SA	NR14.37L	SWAR	MID	COMM	2.6
SA	NR14.37L	SWAR	MID	IND	0.3
SA	NR14.37L	SWAR	MID	AG	43.6
SA	NR14.37L	SWAR	MID	UNDEV	36.0
SA	NR14.37L	SWAR	ULT	RES	57.2
SA	NR14.37L	SWAR	ULT	COMM	5.8
SA	NR14.37L	SWAR	ULT	IND	11.2
SA	NR14.37L	SWAR	ULT	AG	21.9
SA	NR14.37L	SWAR	ULT	UNDEV	3.9
SA	NR14.86L	SWAR	EXIST	RES	14.2
SA	NR14.86L	SWAR	EXIST	COMM	1.2
SA	NR14.86L	SWAR	EXIST	IND	0.2
SA	NR14.86L	SWAR	EXIST	AG	47.2
SA	NR14.86L	SWAR	EXIST	UNDEV	37.2
SA	NR14.86L	SWAR	MID	RES	17.4
SA	NR14.86L	SWAR	MID	COMM	2.6
SA	NR14.86L	SWAR	MID	IND	0.3
SA	NR14.86L	SWAR	MID	AG	43.6
SA	NR14.86L	SWAR	MID	UNDEV	36.0
SA	NR14.86L	SWAR	ULT	RES	57.2
SA	NR14.86L	SWAR	ULT	COMM	5.8
SA	NR14.86L	SWAR	ULT	IND	11.2
SA	NR14.86L	SWAR	ULT	AG	21.9
SA	NR14.86L	SWAR	ULT	UNDEV	3.9
SA	NR15.24L	SWAR	EXIST	RES	14.2
SA	NR15.24L	SWAR	EXIST	COMM	1.2
SA	NR15.24L	SWAR	EXIST	IND	0.2
SA	NR15.24L	SWAR	EXIST	AG	47.2
SA	NR15.24L	SWAR	EXIST	UNDEV	37.2

REGIONAL STORMWATER MASTER PLAN DATA

SA	NR11.70L	SWAF	ULT	AG	21.9
SA	NR11.70L	SWAR	ULT	UNDEV	3.9
SA	NR11.73L	SWAR	EXIST	RES	14.2
SA	NR11.73L	SWAR	EXIST	COMM	1.2
SA	NR11.73L	SWAR	EXIST	IND	0.2
SA	NR11.73L	SWAR	EXIST	AG	47.2
SA	NR11.73L	SWAR	EXIST	UNDEV	37.2
SA	NR11.73L	SWAR	MID	RES	17.4
SA	NR11.73L	SWAR	MID	COMM	2.6
SA	NR11.73L	SWAR	MID	IND	0.3
SA	NR11.73L	SWAR	MID	AG	43.6
SA	NR11.73L	SWAR	MID	UNDEV	36.0
SA	NR11.73L	SWAR	ULT	RES	57.2
SA	NR11.73L	SWAR	ULT	COMM	5.8
SA	NR11.73L	SWAR	ULT	IND	11.2
SA	NR11.73L	SWAR	ULT	AG	21.9
SA	NR11.73L	SWAR	ULT	UNDEV	3.9
SA	NR13.31L	SWAR	EXIST	RES	14.2
SA	NR13.31L	SWAR	EXIST	COMM	1.2
SA	NR13.31L	SWAR	EXIST	IND	0.2
SA	NR13.31L	SWAR	EXIST	AG	47.2
SA	NR13.31L	SWAR	EXIST	UNDEV	37.2
SA	NR13.31L	SWAR	MID	RES	17.4
SA	NR13.31L	SWAR	MID	COMM	2.6
SA	NR13.31L	SWAR	MID	IND	0.3
SA	NR13.31L	SWAR	MID	AG	43.6
SA	NR13.31L	SWAF	MID	UNDEV	36.0
SA	NR13.31L	SWAR	ULT	RES	57.2
SA	NR13.31L	SWAF	ULT	COMM	5.8
SA	NR13.31L	SWAF	ULT	IND	11.2
SA	NR13.31L	SWAF	ULT	AG	21.9
SA	NR13.31L	SWAR	ULT	UNDEV	3.9
SA	NR13.67L	SWAF	EXIST	RES	14.2
SA	NR13.67L	SWAR	EXIST	COMM	1.2
SA	NR13.67L	SWAR	EXIST	IND	0.2
SA	NR13.67L	SWAR	EXIST	AG	47.2
SA	NR13.67L	SWAR	EXIST	UNDEV	37.2
SA	NR13.67L	SWAF	MID	RES	17.4
SA	NR13.67L	SWAF	MID	COMM	2.6
SA	NR13.67L	SWAR	MID	IND	0.3
SA	NR13.67L	SWAR	MID	AG	43.6
SA	NR13.67L	SWAR	MID	UNDEV	36.0
SA	NR13.67L	SWAR	ULT	RES	57.2
SA	NR13.67L	SWAR	ULT	COMM	5.8
SA	NR13.67L	SWAR	ULT	IND	11.2
SA	NR13.67L	SWAR	ULT	AG	21.9
SA	NR13.67L	SWAR	ULT	UNDEV	3.9
SA	NR13.95L	SWAF	EXIST	RES	14.2
SA	NR13.95L	SWAR	EXIST	COMM	1.2
SA	NR13.95L	SWAR	EXIST	IND	0.2
SA	NR13.95L	SWAR	EXIST	AG	47.2
SA	NR13.95L	SWAF	EXIST	UNDEV	37.2
SA	NR13.95L	SWAF	MID	RES	17.4
SA	NR13.95L	SWAR	MID	COMM	2.6
SA	NR13.95L	SWAR	MID	IND	0.3
SA	NR13.95L	SWAR	MID	AG	43.6

REGIONAL STORMWATER MASTER PLAN DATA

SA	NR08.83L	SWAP	EXIST	IND	0.2
SA	NR08.83L	SWAP	EXIST	AG	47.2
SA	NR08.83L	SWAP	EXIST	UNDEV	37.2
SA	NR08.83L	SWAP	MID	RES	17.4
SA	NR08.83L	SWAP	MID	COMM	2.6
SA	NR08.83L	SWAP	MID	IND	0.2
SA	NR08.83L	SWAP	MID	AG	43.6
SA	NR08.83L	SWAP	MID	UNDEV	36.0
SA	NR08.83L	SWAP	ULT	RES	57.2
SA	NR08.83L	SWAP	ULT	COMM	5.8
SA	NR08.83L	SWAP	ULT	IND	11.2
SA	NR08.83L	SWAP	ULT	AG	21.9
SA	NR08.83L	SWAP	ULT	UNDEV	3.9
SA	NR08.92L	SWAP	EXIST	RES	14.2
SA	NR08.92L	SWAP	EXIST	COMM	1.2
SA	NR08.92L	SWAP	EXIST	IND	0.2
SA	NR08.92L	SWAP	EXIST	AG	47.2
SA	NR08.92L	SWAP	EXIST	UNDEV	37.2
SA	NR08.92L	SWAP	MID	RES	17.4
SA	NR08.92L	SWAP	MID	COMM	2.6
SA	NR08.92L	SWAP	MID	IND	0.2
SA	NR08.92L	SWAP	MID	AG	43.6
SA	NR08.92L	SWAP	MID	UNDEV	36.0
SA	NR08.92L	SWAP	ULT	RES	57.2
SA	NR08.92L	SWAP	ULT	COMM	5.8
SA	NR08.92L	SWAP	ULT	IND	11.2
SA	NR08.92L	SWAP	ULT	AG	21.9
SA	NR08.92L	SWAP	ULT	UNDEV	3.9
SA	NR09.96L	SWAP	EXIST	RES	14.2
SA	NR09.96L	SWAP	EXIST	COMM	1.2
SA	NR09.96L	SWAP	EXIST	IND	0.2
SA	NR09.96L	SWAP	EXIST	AG	47.2
SA	NR09.96L	SWAP	EXIST	UNDEV	37.2
SA	NR09.96L	SWAP	MID	RES	17.4
SA	NR09.96L	SWAP	MID	COMM	2.6
SA	NR09.96L	SWAP	MID	IND	0.2
SA	NR09.96L	SWAP	MID	AG	43.6
SA	NR09.96L	SWAP	MID	UNDEV	36.0
SA	NR09.96L	SWAP	ULT	RES	57.2
SA	NR09.96L	SWAP	ULT	COMM	5.8
SA	NR09.96L	SWAP	ULT	IND	11.2
SA	NR09.96L	SWAP	ULT	AG	21.9
SA	NR09.96L	SWAP	ULT	UNDEV	3.9
SA	NR11.70L	SWAP	EXIST	RES	14.2
SA	NR11.70L	SWAP	EXIST	COMM	1.2
SA	NR11.70L	SWAP	EXIST	IND	0.2
SA	NR11.70L	SWAP	EXIST	AG	47.2
SA	NR11.70L	SWAP	EXIST	UNDEV	37.2
SA	NR11.70L	SWAP	MID	RES	17.4
SA	NR11.70L	SWAP	MID	COMM	2.6
SA	NR11.70L	SWAP	MID	IND	0.2
SA	NR11.70L	SWAP	MID	AG	43.6
SA	NR11.70L	SWAP	MID	UNDEV	36.0
SA	NR11.70L	SWAP	ULT	RES	57.2
SA	NR11.70L	SWAP	ULT	COMM	5.8
SA	NR11.70L	SWAP	ULT	IND	11.2

REGIONAL STORMWATER MASTER PLAN DATA

SA	NR07.55L	SWAR	MID	COMM	2.6
SA	NR07.55L	SWAR	MID	IND	0.3
SA	NR07.55L	SWAR	MID	AG	43.6
SA	NR07.55L	SWAR	MID	UNDEV	36.0
SA	NR07.55L	SWAR	ULT	RES	57.2
SA	NR07.55L	SWAR	ULT	COMM	5.8
SA	NR07.55L	SWAR	ULT	IND	11.2
SA	NR07.55L	SWAR	ULT	AG	21.9
SA	NR07.55L	SWAR	ULT	UNDEV	3.9
SA	NR07.79L	SWAR	EXIST	RES	14.2
SA	NR07.79L	SWAR	EXIST	COMM	1.2
SA	NR07.79L	SWAR	EXIST	IND	0.2
SA	NR07.79L	SWAR	EXIST	AG	47.2
SA	NR07.79L	SWAR	EXIST	UNDEV	37.2
SA	NR07.79L	SWAR	MID	RES	17.4
SA	NR07.79L	SWAR	MID	COMM	2.6
SA	NR07.79L	SWAR	MID	IND	0.3
SA	NR07.79L	SWAR	MID	AG	43.6
SA	NR07.79L	SWAR	MID	UNDEV	36.0
SA	NR07.79L	SWAR	ULT	RES	57.2
SA	NR07.79L	SWAR	ULT	COMM	5.8
SA	NR07.79L	SWAR	ULT	IND	11.2
SA	NR07.79L	SWAR	ULT	AG	21.9
SA	NR07.79L	SWAR	ULT	UNDEV	3.9
SA	NR08.77L	SWAR	EXIST	RES	14.2
SA	NR08.77L	SWAR	EXIST	COMM	1.2
SA	NR08.77L	SWAR	EXIST	IND	0.2
SA	NR08.77L	SWAR	EXIST	AG	47.2
SA	NR08.77L	SWAR	EXIST	UNDEV	37.2
SA	NR08.77L	SWAR	MID	RES	17.4
SA	NR08.77L	SWAR	MID	COMM	2.6
SA	NR08.77L	SWAR	MID	IND	0.3
SA	NR08.77L	SWAR	MID	AG	43.6
SA	NR08.77L	SWAR	MID	UNDEV	36.0
SA	NR08.77L	SWAR	ULT	RES	57.2
SA	NR08.77L	SWAR	ULT	COMM	5.8
SA	NR08.77L	SWAR	ULT	IND	11.2
SA	NR08.77L	SWAR	ULT	AG	21.9
SA	NR08.77L	SWAR	ULT	UNDEV	3.9
SA	NR08.80L	SWAR	EXIST	RES	14.2
SA	NR08.80L	SWAR	EXIST	COMM	1.2
SA	NR08.80L	SWAR	EXIST	IND	0.2
SA	NR08.80L	SWAR	EXIST	AG	47.2
SA	NR08.80L	SWAR	EXIST	UNDEV	37.2
SA	NR08.80L	SWAR	MID	RES	17.4
SA	NR08.80L	SWAR	MID	COMM	2.6
SA	NR08.80L	SWAR	MID	IND	0.3
SA	NR08.80L	SWAR	MID	AG	43.6
SA	NR08.80L	SWAR	MID	UNDEV	36.0
SA	NR08.80L	SWAR	ULT	RES	57.2
SA	NR08.80L	SWAR	ULT	COMM	5.8
SA	NR08.80L	SWAR	ULT	IND	11.2
SA	NR08.80L	SWAR	ULT	AG	21.9
SA	NR08.80L	SWAR	ULT	UNDEV	3.9
SA	NR08.83L	SWAR	EXIST	RES	14.2
SA	NR08.83L	SWAR	EXIST	COMM	1.2

REGIONAL STORMWATER MASTER PLAN DATA

SA	NR07.01L	SWAR	ULT	RES	57.2
SA	NR07.01L	SWAF	ULT	COMM	5.8
SA	NR07.01L	SWAR	ULT	IND	11.2
SA	NR07.01L	SWAF	ULT	AG	21.9
SA	NR07.01L	SWAR	ULT	UNDEV	3.9
SA	NR07.26L	SWAR	EXIST	RES	14.2
SA	NR07.26L	SWAR	EXIST	COMM	1.2
SA	NR07.26L	SWAR	EXIST	IND	0.2
SA	NR07.26L	SWAR	EXIST	AG	47.2
SA	NR07.26L	SWAR	EXIST	UNDEV	37.2
SA	NR07.26L	SWAR	MID	RES	17.4
SA	NR07.26L	SWAR	MID	COMM	2.6
SA	NR07.26L	SWAF	MID	IND	0.3
SA	NR07.26L	SWAR	MID	AG	43.6
SA	NR07.26L	SWAR	MID	UNDEV	36.0
SA	NR07.26L	SWAF	ULT	RES	57.2
SA	NR07.26L	SWAR	ULT	COMM	5.8
SA	NR07.26L	SWAR	ULT	IND	11.2
SA	NR07.26L	SWAR	ULT	AG	21.9
SA	NR07.26L	SWAR	ULT	UNDEV	3.9
SA	NR07.35L	SWAR	EXIST	RES	14.2
SA	NR07.35L	SWAR	EXIST	COMM	1.2
SA	NR07.35L	SWAR	EXIST	IND	0.2
SA	NR07.35L	SWAR	EXIST	AG	47.2
SA	NR07.35L	SWAR	EXIST	UNDEV	37.2
SA	NR07.35L	SWAR	MID	RES	17.4
SA	NR07.35L	SWAR	MID	COMM	2.6
SA	NR07.35L	SWAF	MID	IND	0.3
SA	NR07.35L	SWAR	MID	AG	43.6
SA	NR07.35L	SWAR	MID	UNDEV	36.0
SA	NR07.35L	SWAR	ULT	RES	57.2
SA	NR07.35L	SWAR	ULT	COMM	5.8
SA	NR07.35L	SWAR	ULT	IND	11.2
SA	NR07.35L	SWAR	ULT	AG	21.9
SA	NR07.35L	SWAR	ULT	UNDEV	3.9
SA	NR07.41L	SWAR	EXIST	RES	14.2
SA	NR07.41L	SWAR	EXIST	COMM	1.2
SA	NR07.41L	SWAR	EXIST	IND	0.2
SA	NR07.41L	SWAR	EXIST	AG	47.2
SA	NR07.41L	SWAR	EXIST	UNDEV	37.2
SA	NR07.41L	SWAR	MID	RES	17.4
SA	NR07.41L	SWAR	MID	COMM	2.6
SA	NR07.41L	SWAR	MID	IND	0.3
SA	NR07.41L	SWAR	MID	AG	43.6
SA	NR07.41L	SWAR	MID	UNDEV	36.0
SA	NR07.41L	SWAF	ULT	RES	57.2
SA	NR07.41L	SWAR	ULT	COMM	5.8
SA	NR07.41L	SWAR	ULT	IND	11.2
SA	NR07.41L	SWAR	ULT	AG	21.9
SA	NR07.41L	SWAR	ULT	UNDEV	3.9
SA	NR07.55L	SWAR	EXIST	RES	14.2
SA	NR07.55L	SWAR	EXIST	COMM	1.2
SA	NR07.55L	SWAR	EXIST	IND	0.2
SA	NR07.55L	SWAR	EXIST	AG	47.2
SA	NR07.55L	SWAR	EXIST	UNDEV	37.2
SA	NR07.55L	SWAR	MID	RES	17.4

REGIONAL STOREWATER METER PLAN DATA

SA	NR01.01L	SWAR	ULT	UNDEV	8.9
SA	NR06.01L	SWAR	EXIST	RES	14.2
SA	NR06.01L	SWAR	EXIST	DOWN	1.2
SA	NR06.01L	SWAR	EXIST	IND	0.2
SA	NR06.01L	SWAR	EXIST	AG	47.2
SA	NR06.01L	SWAR	EXIST	UNDEV	37.2
SA	NR06.01L	SWAR	MID	RES	17.4
SA	NR06.01L	SWAR	MID	DOWN	2.6
SA	NR06.01L	SWAR	MID	IND	0.2
SA	NR06.01L	SWAR	MID	AG	40.5
SA	NR06.01L	SWAR	MID	UNDEV	36.0
SA	NR06.01L	SWAR	ULT	RES	57.2
SA	NR06.01L	SWAR	ULT	DOWN	5.5
SA	NR06.01L	SWAR	ULT	IND	1.2
SA	NR06.01L	SWAR	ULT	AG	21.9
SA	NR06.01L	SWAR	ULT	UNDEV	3.9
SA	NR06.01L	SWAR	EXIST	RES	14.2
SA	NR06.01L	SWAR	EXIST	DOWN	1.2
SA	NR06.01L	SWAR	EXIST	IND	0.2
SA	NR06.01L	SWAR	EXIST	AG	47.2
SA	NR06.01L	SWAR	EXIST	UNDEV	37.2
SA	NR06.50L	SWAR	MID	RES	17.4
SA	NR06.50L	SWAR	MID	DOWN	2.6
SA	NR06.50L	SWAR	MID	IND	0.2
SA	NR06.50L	SWAR	MID	AG	40.5
SA	NR06.50L	SWAR	MID	UNDEV	36.0
SA	NR06.50L	SWAR	ULT	RES	57.2
SA	NR06.50L	SWAR	ULT	DOWN	5.5
SA	NR06.50L	SWAR	ULT	IND	1.2
SA	NR06.50L	SWAR	ULT	AG	21.9
SA	NR06.50L	SWAR	ULT	UNDEV	3.9
SA	NR07.01L	SWAR	EXIST	RES	14.2
SA	NR07.01L	SWAR	EXIST	DOWN	1.2
SA	NR07.01L	SWAR	EXIST	IND	0.2
SA	NR07.01L	SWAR	EXIST	AG	47.2
SA	NR07.01L	SWAR	EXIST	UNDEV	37.2
SA	NR07.01L	SWAR	MID	RES	17.4
SA	NR07.01L	SWAR	MID	DOWN	2.6
SA	NR07.01L	SWAR	MID	IND	0.2
SA	NR07.01L	SWAR	MID	AG	40.5
SA	NR07.01L	SWAR	MID	UNDEV	36.0

REGIONAL STORMWATER MASTER PLAN DATA

SA	NB01.38L	SWAR	EXIST	AG	85.2
SA	NB01.38L	SWAR	EXIST	UNDEV	0.0
SA	NB01.38L	SWAR	MID	RES	23.3
SA	NB01.38L	SWAR	MID	COMM	12.5
SA	NB01.38L	SWAR	MID	IND	0.0
SA	NB01.38L	SWAR	MID	AG	64.3
SA	NB01.38L	SWAR	MID	UNDEV	0.0
SA	NB01.38L	SWAR	ULT	RES	28.4
SA	NB01.38L	SWAR	ULT	COMM	12.5
SA	NB01.38L	SWAR	ULT	IND	0.0
SA	NB01.38L	SWAR	ULT	AG	50.5
SA	NB01.38L	SWAR	ULT	UNDEV	8.9
SA	NB01.42L	SWAR	EXIST	RES	8.6
SA	NB01.42L	SWAR	EXIST	COMM	6.0
SA	NB01.42L	SWAR	EXIST	IND	0.5
SA	NB01.42L	SWAR	EXIST	AG	85.2
SA	NB01.42L	SWAR	EXIST	UNDEV	0.0
SA	NB01.42L	SWAR	MID	RES	23.3
SA	NB01.42L	SWAR	MID	COMM	12.5
SA	NB01.42L	SWAR	MID	IND	0.0
SA	NB01.42L	SWAR	MID	AG	64.3
SA	NB01.42L	SWAR	MID	UNDEV	0.0
SA	NB01.42L	SWAR	ULT	RES	28.4
SA	NB01.42L	SWAR	ULT	COMM	12.5
SA	NB01.42L	SWAR	ULT	IND	0.0
SA	NB01.42L	SWAR	ULT	AG	50.5
SA	NB01.42L	SWAR	ULT	UNDEV	8.9
SA	NB01.50L	SWAR	EXIST	RES	8.6
SA	NB01.50L	SWAR	EXIST	COMM	6.0
SA	NB01.50L	SWAR	EXIST	IND	0.5
SA	NB01.50L	SWAR	EXIST	AG	85.2
SA	NB01.50L	SWAR	EXIST	UNDEV	0.0
SA	NB01.50L	SWAR	MID	RES	23.3
SA	NB01.50L	SWAR	MID	COMM	12.5
SA	NB01.50L	SWAR	MID	IND	0.0
SA	NB01.50L	SWAR	MID	AG	64.3
SA	NB01.50L	SWAR	MID	UNDEV	0.0
SA	NB01.50L	SWAR	ULT	RES	28.4
SA	NB01.50L	SWAR	ULT	COMM	12.5
SA	NB01.50L	SWAR	ULT	IND	0.0
SA	NB01.50L	SWAR	ULT	AG	50.5
SA	NB01.50L	SWAR	ULT	UNDEV	8.9
SA	NB01.51L	SWAR	EXIST	RES	8.6
SA	NB01.51L	SWAR	EXIST	COMM	6.0
SA	NB01.51L	SWAR	EXIST	IND	0.5
SA	NB01.51L	SWAR	EXIST	AG	85.2
SA	NB01.51L	SWAR	EXIST	UNDEV	0.0
SA	NB01.51L	SWAR	MID	RES	23.3
SA	NB01.51L	SWAR	MID	COMM	12.5
SA	NB01.51L	SWAR	MID	IND	0.0
SA	NB01.51L	SWAR	MID	AG	64.3
SA	NB01.51L	SWAR	MID	UNDEV	0.0
SA	NB01.51L	SWAR	ULT	RES	28.4
SA	NB01.51L	SWAR	ULT	COMM	12.5
SA	NB01.51L	SWAR	ULT	IND	0.0
SA	NB01.51L	SWAR	ULT	AG	50.5

REGIONAL STORMWATER MASTER PLAN DATA

SA	NB01.18L	SWAR	MID	IND	0.0
SA	NB01.18L	SWAR	MID	AG	64.3
SA	NB01.18L	SWAR	MID	UNDEV	0.0
SA	NB01.18L	SWAR	ULT	RES	28.4
SA	NB01.18L	SWAR	ULT	COMM	12.5
SA	NB01.18L	SWAR	ULT	IND	0.0
SA	NB01.18L	SWAR	ULT	AG	50.5
SA	NB01.18L	SWAR	ULT	UNDEV	8.9
SA	NB01.23L	SWAR	EXIST	RES	8.6
SA	NB01.23L	SWAR	EXIST	COMM	6.0
SA	NB01.23L	SWAR	EXIST	IND	0.5
SA	NB01.23L	SWAR	EXIST	AG	85.2
SA	NB01.23L	SWAR	EXIST	UNDEV	0.0
SA	NB01.23L	SWAR	MID	RES	23.3
SA	NB01.23L	SWAR	MID	COMM	12.5
SA	NB01.23L	SWAR	MID	IND	0.0
SA	NB01.23L	SWAR	MID	AG	64.3
SA	NB01.23L	SWAR	MID	UNDEV	0.0
SA	NB01.23L	SWAR	ULT	RES	28.4
SA	NB01.23L	SWAR	ULT	COMM	12.5
SA	NB01.23L	SWAR	ULT	IND	0.0
SA	NB01.23L	SWAR	ULT	AG	50.5
SA	NB01.23L	SWAR	ULT	UNDEV	8.9
SA	NB01.29L	SWAR	EXIST	RES	8.6
SA	NB01.29L	SWAR	EXIST	COMM	6.0
SA	NB01.29L	SWAR	EXIST	IND	0.5
SA	NB01.29L	SWAR	EXIST	AG	85.2
SA	NB01.29L	SWAR	EXIST	UNDEV	0.0
SA	NB01.29L	SWAR	MID	RES	23.3
SA	NB01.29L	SWAR	MID	COMM	12.5
SA	NB01.29L	SWAR	MID	IND	0.0
SA	NB01.29L	SWAR	MID	AG	64.3
SA	NB01.29L	SWAR	MID	UNDEV	0.0
SA	NB01.29L	SWAR	ULT	RES	28.4
SA	NB01.29L	SWAR	ULT	COMM	12.5
SA	NB01.29L	SWAR	ULT	IND	0.0
SA	NB01.29L	SWAR	ULT	AG	50.5
SA	NB01.29L	SWAR	ULT	UNDEV	8.9
SA	NB01.32L	SWAR	EXIST	RES	8.6
SA	NB01.32L	SWAR	EXIST	COMM	6.0
SA	NB01.32L	SWAR	EXIST	IND	0.5
SA	NB01.32L	SWAR	EXIST	AG	85.2
SA	NB01.32L	SWAR	EXIST	UNDEV	0.0
SA	NB01.32L	SWAR	MID	RES	23.3
SA	NB01.32L	SWAR	MID	COMM	12.5
SA	NB01.32L	SWAR	MID	IND	0.0
SA	NB01.32L	SWAR	MID	AG	64.3
SA	NB01.32L	SWAR	MID	UNDEV	0.0
SA	NB01.32L	SWAR	ULT	RES	28.4
SA	NB01.32L	SWAR	ULT	COMM	12.5
SA	NB01.32L	SWAR	ULT	IND	0.0
SA	NB01.32L	SWAR	ULT	AG	50.5
SA	NB01.32L	SWAR	ULT	UNDEV	8.9
SA	NB01.38L	SWAR	EXIST	RES	8.6
SA	NB01.38L	SWAR	EXIST	COMM	6.0
SA	NB01.38L	SWAR	EXIST	IND	0.5

REGIONAL STORMWATER MASTER PLAN DATA

SA	NB01.03L	SWAR	ULT	COMM	12.5
SA	NB01.03L	SWAR	ULT	IND	0.0
SA	NB01.03L	SWAR	ULT	AG	50.5
SA	NB01.03L	SWAR	ULT	UNDEV	8.9
SA	NB01.08L	SWAR	EXIST	RES	8.6
SA	NB01.08L	SWAR	EXIST	COMM	6.0
SA	NB01.08L	SWAR	EXIST	IND	0.5
SA	NB01.08L	SWAR	EXIST	AG	85.2
SA	NB01.08L	SWAR	EXIST	UNDEV	0.0
SA	NB01.08L	SWAR	MID	RES	23.3
SA	NB01.08L	SWAR	MID	COMM	12.5
SA	NB01.08L	SWAR	MID	IND	0.0
SA	NB01.08L	SWAR	MID	AG	64.3
SA	NB01.08L	SWAR	MID	UNDEV	0.0
SA	NB01.08L	SWAR	ULT	RES	28.4
SA	NB01.08L	SWAR	ULT	COMM	12.5
SA	NB01.08L	SWAR	ULT	IND	0.0
SA	NB01.08L	SWAR	ULT	AG	50.5
SA	NB01.08L	SWAR	ULT	UNDEV	8.9
SA	NB01.13L	SWAR	EXIST	RES	8.6
SA	NB01.13L	SWAR	EXIST	COMM	6.0
SA	NB01.13L	SWAR	EXIST	IND	0.5
SA	NB01.13L	SWAR	EXIST	AG	85.2
SA	NB01.13L	SWAR	EXIST	UNDEV	0.0
SA	NB01.13L	SWAR	MID	RES	23.3
SA	NB01.13L	SWAR	MID	COMM	12.5
SA	NB01.13L	SWAR	MID	IND	0.0
SA	NB01.13L	SWAR	MID	AG	64.3
SA	NB01.13L	SWAR	MID	UNDEV	0.0
SA	NB01.13L	SWAR	ULT	RES	28.4
SA	NB01.13L	SWAR	ULT	COMM	12.5
SA	NB01.13L	SWAR	ULT	IND	0.0
SA	NB01.13L	SWAR	ULT	AG	50.5
SA	NB01.13L	SWAR	ULT	UNDEV	8.9
SA	NB01.15L	SWAR	EXIST	RES	8.6
SA	NB01.15L	SWAR	EXIST	COMM	6.0
SA	NB01.15L	SWAR	EXIST	IND	0.5
SA	NB01.15L	SWAR	EXIST	AG	85.2
SA	NB01.15L	SWAR	EXIST	UNDEV	0.0
SA	NB01.15L	SWAR	MID	RES	23.3
SA	NB01.15L	SWAR	MID	COMM	12.5
SA	NB01.15L	SWAR	MID	IND	0.0
SA	NB01.15L	SWAR	MID	AG	64.3
SA	NB01.15L	SWAR	MID	UNDEV	0.0
SA	NB01.15L	SWAR	ULT	RES	28.4
SA	NB01.15L	SWAR	ULT	COMM	12.5
SA	NB01.15L	SWAR	ULT	IND	0.0
SA	NB01.15L	SWAR	ULT	AG	50.5
SA	NB01.15L	SWAR	ULT	UNDEV	8.9
SA	NB01.18L	SWAR	EXIST	RES	8.6
SA	NB01.18L	SWAR	EXIST	COMM	6.0
SA	NB01.18L	SWAR	EXIST	IND	0.5
SA	NB01.18L	SWAR	EXIST	AG	85.2
SA	NB01.18L	SWAR	EXIST	UNDEV	0.0
SA	NB01.18L	SWAR	MID	RES	23.3
SA	NB01.18L	SWAR	MID	COMM	12.5

REGIONAL STORMWATER MASTER PLAN DATA

SA	NB00.88L	SWAR	EXIST	RES	8.6
SA	NB00.88L	SWAR	EXIST	COMM	6.0
SA	NB00.88L	SWAR	EXIST	IND	0.5
SA	NB00.88L	SWAR	EXIST	AG	85.2
SA	NB00.88L	SWAR	EXIST	UNDEV	0.0
SA	NB00.88L	SWAR	MID	RES	23.3
SA	NB00.88L	SWAR	MID	COMM	12.5
SA	NB00.88L	SWAR	MID	IND	0.0
SA	NB00.88L	SWAR	MID	AG	64.3
SA	NB00.88L	SWAR	MID	UNDEV	0.0
SA	NB00.88L	SWAR	ULT	RES	28.4
SA	NB00.88L	SWAR	ULT	COMM	12.5
SA	NB00.88L	SWAR	ULT	IND	0.0
SA	NB00.88L	SWAR	ULT	AG	50.5
SA	NB00.88L	SWAR	ULT	UNDEV	8.9
SA	NB00.93L	SWAR	EXIST	RES	8.6
SA	NB00.93L	SWAR	EXIST	COMM	6.0
SA	NB00.93L	SWAR	EXIST	IND	0.5
SA	NB00.93L	SWAR	EXIST	AG	85.2
SA	NB00.93L	SWAR	EXIST	UNDEV	0.0
SA	NB00.93L	SWAR	MID	RES	23.3
SA	NB00.93L	SWAR	MID	COMM	12.5
SA	NB00.93L	SWAR	MID	IND	0.0
SA	NB00.93L	SWAR	MID	AG	64.3
SA	NB00.93L	SWAR	MID	UNDEV	0.0
SA	NB00.93L	SWAR	ULT	RES	28.4
SA	NB00.93L	SWAR	ULT	COMM	12.5
SA	NB00.93L	SWAR	ULT	IND	0.0
SA	NB00.93L	SWAR	ULT	AG	50.5
SA	NB00.93L	SWAR	ULT	UNDEV	8.9
SA	NB00.98L	SWAR	EXIST	RES	8.6
SA	NB00.98L	SWAR	EXIST	COMM	6.0
SA	NB00.98L	SWAR	EXIST	IND	0.5
SA	NB00.98L	SWAR	EXIST	AG	85.2
SA	NB00.98L	SWAR	EXIST	UNDEV	0.0
SA	NB00.98L	SWAR	MID	RES	23.3
SA	NB00.98L	SWAR	MID	COMM	12.5
SA	NB00.98L	SWAR	MID	IND	0.0
SA	NB00.98L	SWAR	MID	AG	64.3
SA	NB00.98L	SWAR	MID	UNDEV	0.0
SA	NB00.98L	SWAR	ULT	RES	28.4
SA	NB00.98L	SWAR	ULT	COMM	12.5
SA	NB00.98L	SWAR	ULT	IND	0.0
SA	NB00.98L	SWAR	ULT	AG	50.5
SA	NB00.98L	SWAR	ULT	UNDEV	8.9
SA	NB01.03L	SWAR	EXIST	RES	8.6
SA	NB01.03L	SWAR	EXIST	COMM	6.0
SA	NB01.03L	SWAR	EXIST	IND	0.5
SA	NB01.03L	SWAR	EXIST	AG	85.2
SA	NB01.03L	SWAR	EXIST	UNDEV	0.0
SA	NB01.03L	SWAR	MID	RES	23.3
SA	NB01.03L	SWAR	MID	COMM	12.5
SA	NB01.03L	SWAR	MID	IND	0.0
SA	NB01.03L	SWAR	MID	AG	64.3
SA	NB01.03L	SWAR	MID	UNDEV	0.0
SA	NB01.03L	SWAR	ULT	RES	28.4

REGIONAL STORMWATER MASTER PLAN DATA

5A	NB00,59L	SWAR	EXIST	UNDREV	0.0
5A	NB00,59L	SWAR	MID	RES	23.3
5A	NB00,59L	SWAR	MID	COMM	12.5
5A	NB00,59L	SWAR	MID	IND	0.0
5A	NB00,59L	SWAR	MID	AG	54.3
5A	NB00,59L	SWAR	MID	UNDREV	0.0
5A	NB00,59L	SWAR	ULT	RES	26.4
5A	NB00,59L	SWAR	ULT	COMM	12.5
5A	NB00,59L	SWAR	ULT	IND	0.0
5A	NB00,59L	SWAR	ULT	AG	50.5
5A	NB00,59L	SWAR	ULT	UNDREV	8.9
5A	NB00,64L	SWAR	EXIST	RES	8.6
5A	NB00,64L	SWAR	EXIST	COMM	6.0
5A	NB00,64L	SWAR	EXIST	IND	0.5
5A	NB00,64L	SWAR	EXIST	AG	85.2
5A	NB00,64L	SWAR	EXIST	UNDREV	0.0
5A	NB00,64L	SWAR	MID	RES	23.3
5A	NB00,64L	SWAR	MID	COMM	12.5
5A	NB00,64L	SWAR	MID	IND	0.0
5A	NB00,64L	SWAR	MID	AG	64.3
5A	NB00,64L	SWAR	MID	UNDREV	0.0
5A	NB00,64L	SWAR	ULT	RES	28.4
5A	NB00,64L	SWAR	ULT	COMM	12.5
5A	NB00,64L	SWAR	ULT	IND	0.0
5A	NB00,64L	SWAR	ULT	AG	50.5
5A	NB00,64L	SWAR	ULT	UNDREV	8.9
5A	NB00,59L	SWAR	EXIST	RES	8.6
5A	NB00,59L	SWAR	EXIST	COMM	6.0
5A	NB00,59L	SWAR	EXIST	IND	0.5
5A	NB00,59L	SWAR	EXIST	AG	85.2
5A	NB00,59L	SWAR	EXIST	UNDREV	0.0
5A	NB00,69L	SWAR	MID	RES	28.4
5A	NB00,69L	SWAR	MID	COMM	12.5
5A	NB00,69L	SWAR	MID	IND	0.0
5A	NB00,69L	SWAR	MID	AG	64.3
5A	NB00,69L	SWAR	MID	UNDREV	0.0
5A	NB00,69L	SWAR	ULT	RES	28.4
5A	NB00,69L	SWAR	ULT	COMM	12.5
5A	NB00,69L	SWAR	ULT	IND	0.0
5A	NB00,69L	SWAR	ULT	AG	50.5
5A	NB00,69L	SWAR	ULT	UNDREV	8.9
5A	NB00,93L	SWAR	EXIST	RES	8.6
5A	NB00,93L	SWAR	EXIST	COMM	6.0
5A	NB00,93L	SWAR	EXIST	IND	0.5
5A	NB00,93L	SWAR	EXIST	AG	85.2
5A	NB00,93L	SWAR	EXIST	UNDREV	0.0
5A	NB00,83L	SWAR	MID	RES	23.3
5A	NB00,83L	SWAR	MID	COMM	12.5
5A	NB00,83L	SWAR	MID	IND	0.0
5A	NB00,83L	SWAR	MID	AG	64.3
5A	NB00,83L	SWAR	MID	UNDREV	0.0
5A	NB00,93L	SWAR	ULT	RES	28.4
5A	NB00,93L	SWAR	ULT	COMM	12.5
5A	NB00,93L	SWAR	ULT	IND	0.0
5A	NB00,93L	SWAR	ULT	AG	50.5
5A	NB00,93L	SWAR	ULT	UNDREV	8.9

REGIONAL STORMWATER MASTER PLAN DATA

SA	NB00.2BL	SWAR	MID	AG	64.3
SA	NB00.2BL	SWAR	MID	UNDEV	0.0
SA	NB00.2BL	SWAR	ULT	RES	28.4
SA	NB00.2BL	SWAR	ULT	COMM	12.5
SA	NB00.2BL	SWAR	ULT	IND	0.0
SA	NB00.2BL	SWAR	ULT	AG	50.5
SA	NB00.2BL	SWAR	ULT	UNDEV	8.9
SA	NB00.32L	SWAR	EXIST	RES	8.6
SA	NB00.32L	SWAR	EXIST	COMM	6.0
SA	NB00.32L	SWAR	EXIST	IND	0.5
SA	NB00.32L	SWAR	EXIST	AG	85.2
SA	NB00.32L	SWAR	EXIST	UNDEV	0.0
SA	NB00.32L	SWAR	MID	RES	23.3
SA	NB00.32L	SWAR	MID	COMM	12.5
SA	NB00.32L	SWAR	MID	IND	0.0
SA	NB00.32L	SWAR	MID	AG	64.3
SA	NB00.32L	SWAR	MID	UNDEV	0.0
SA	NB00.32L	SWAR	ULT	RES	28.4
SA	NB00.32L	SWAR	ULT	COMM	12.5
SA	NB00.32L	SWAR	ULT	IND	0.0
SA	NB00.32L	SWAR	ULT	AG	50.5
SA	NB00.32L	SWAR	ULT	UNDEV	8.9
SA	NB00.49L	SWAR	EXIST	RES	8.6
SA	NB00.49L	SWAR	EXIST	COMM	6.0
SA	NB00.49L	SWAR	EXIST	IND	0.5
SA	NB00.49L	SWAR	EXIST	AG	85.2
SA	NB00.49L	SWAR	EXIST	UNDEV	0.0
SA	NB00.49L	SWAR	MID	RES	23.3
SA	NB00.49L	SWAR	MID	COMM	12.5
SA	NB00.49L	SWAR	MID	IND	0.0
SA	NB00.49L	SWAR	MID	AG	64.3
SA	NB00.49L	SWAR	MID	UNDEV	0.0
SA	NB00.49L	SWAR	ULT	RES	28.4
SA	NB00.49L	SWAR	ULT	COMM	12.5
SA	NB00.49L	SWAR	ULT	IND	0.0
SA	NB00.49L	SWAR	ULT	AG	50.5
SA	NB00.49L	SWAR	ULT	UNDEV	8.9
SA	NB00.54L	SWAR	EXIST	RES	8.6
SA	NB00.54L	SWAR	EXIST	COMM	6.0
SA	NB00.54L	SWAR	EXIST	IND	0.5
SA	NB00.54L	SWAR	EXIST	AG	85.2
SA	NB00.54L	SWAR	EXIST	UNDEV	0.0
SA	NB00.54L	SWAR	MID	RES	23.3
SA	NB00.54L	SWAR	MID	COMM	12.5
SA	NB00.54L	SWAR	MID	IND	0.0
SA	NB00.54L	SWAR	MID	AG	64.3
SA	NB00.54L	SWAR	MID	UNDEV	0.0
SA	NB00.54L	SWAR	ULT	RES	28.4
SA	NB00.54L	SWAR	ULT	COMM	12.5
SA	NB00.54L	SWAR	ULT	IND	0.0
SA	NB00.54L	SWAR	ULT	AG	50.5
SA	NB00.54L	SWAR	ULT	UNDEV	8.9
SA	NB00.59L	SWAR	EXIST	RES	8.6
SA	NB00.59L	SWAR	EXIST	COMM	6.0
SA	NB00.59L	SWAR	EXIST	IND	0.5
SA	NB00.59L	SWAR	EXIST	AG	85.2

REGIONAL STORMWATER MASTER PLAN DATA

SA	LM04.84L	SWAR	ULT	IND	1.9
SA	LM04.84L	SWAR	ULT	AG	17.0
SA	LM04.84L	SWAR	ULT	UNDEV	3.0
SA	LM05.26L	SWAR	EXIST	RES	28.3
SA	LM05.26L	SWAR	EXIST	COMM	2.7
SA	LM05.26L	SWAR	EXIST	IND	0.8
SA	LM05.26L	SWAR	EXIST	AG	0.5
SA	LM05.26L	SWAR	EXIST	UNDEV	67.7
SA	LM05.26L	SWAR	MID	RES	41.6
SA	LM05.26L	SWAR	MID	COMM	4.0
SA	LM05.26L	SWAR	MID	IND	1.1
SA	LM05.26L	SWAR	MID	AG	0.4
SA	LM05.26L	SWAR	MID	UNDEV	52.8
SA	LM05.26L	SWAR	ULT	RES	71.2
SA	LM05.26L	SWAR	ULT	COMM	6.9
SA	LM05.26L	SWAR	ULT	IND	1.9
SA	LM05.26L	SWAR	ULT	AG	17.0
SA	LM05.26L	SWAR	ULT	UNDEV	3.0
SA	LM05.40L	SWAR	EXIST	RES	28.3
SA	LM05.40L	SWAR	EXIST	COMM	2.7
SA	LM05.40L	SWAR	EXIST	IND	0.8
SA	LM05.40L	SWAR	EXIST	AG	0.5
SA	LM05.40L	SWAR	EXIST	UNDEV	67.7
SA	LM05.40L	SWAR	MID	RES	41.6
SA	LM05.40L	SWAR	MID	COMM	4.0
SA	LM05.40L	SWAR	MID	IND	1.1
SA	LM05.40L	SWAR	MID	AG	0.4
SA	LM05.40L	SWAR	MID	UNDEV	52.8
SA	LM05.40L	SWAR	ULT	RES	71.2
SA	LM05.40L	SWAR	ULT	COMM	6.9
SA	LM05.40L	SWAR	ULT	IND	1.9
SA	LM05.40L	SWAR	ULT	AG	17.0
SA	LM05.40L	SWAR	ULT	UNDEV	3.0
SA	NB00.26L	SWAR	EXIST	RES	8.6
SA	NB00.26L	SWAR	EXIST	COMM	6.0
SA	NB00.26L	SWAR	EXIST	IND	0.5
SA	NB00.26L	SWAR	EXIST	AG	85.2
SA	NB00.26L	SWAR	EXIST	UNDEV	0.0
SA	NB00.26L	SWAR	MID	RES	23.3
SA	NB00.26L	SWAR	MID	COMM	12.5
SA	NB00.26L	SWAR	MID	IND	0.0
SA	NB00.26L	SWAR	MID	AG	64.3
SA	NB00.26L	SWAR	MID	UNDEV	0.0
SA	NB00.26L	SWAR	ULT	RES	28.4
SA	NB00.26L	SWAR	ULT	COMM	12.5
SA	NB00.26L	SWAR	ULT	IND	0.0
SA	NB00.26L	SWAR	ULT	AG	50.5
SA	NB00.26L	SWAR	ULT	UNDEV	8.9
SA	NB00.28L	SWAR	EXIST	RES	8.6
SA	NB00.28L	SWAR	EXIST	COMM	6.0
SA	NB00.28L	SWAR	EXIST	IND	0.5
SA	NB00.28L	SWAR	EXIST	AG	95.2
SA	NB00.28L	SWAR	EXIST	UNDEV	0.0
SA	NB00.28L	SWAR	MID	RES	23.3
SA	NB00.28L	SWAR	MID	COMM	12.5
SA	NB00.28L	SWAR	MID	IND	0.0

REGIONAL STORMWATER MASTER PLAN DATA

SA	LM04.51L	SWAR	EXIST	COMM	2.7
SA	LM04.51L	SWAR	EXIST	IND	0.8
SA	LM04.51L	SWAR	EXIST	AG	0.5
SA	LM04.51L	SWAR	EXIST	UNDEV	67.7
SA	LM04.51L	SWAR	MID	RES	41.6
SA	LM04.51L	SWAR	MID	COMM	4.0
SA	LM04.51L	SWAR	MID	IND	1.1
SA	LM04.51L	SWAR	MID	AG	0.4
SA	LM04.51L	SWAR	MID	UNDEV	52.8
SA	LM04.51L	SWAR	ULT	RES	71.2
SA	LM04.51L	SWAR	ULT	COMM	6.9
SA	LM04.51L	SWAR	ULT	IND	1.9
SA	LM04.51L	SWAR	ULT	AG	17.0
SA	LM04.51L	SWAR	ULT	UNDEV	3.0
SA	LM04.67L	SWAR	EXIST	RES	28.3
SA	LM04.67L	SWAR	EXIST	COMM	2.7
SA	LM04.67L	SWAR	EXIST	IND	0.8
SA	LM04.67L	SWAR	EXIST	AG	0.5
SA	LM04.67L	SWAR	EXIST	UNDEV	67.7
SA	LM04.67L	SWAR	MID	RES	41.6
SA	LM04.67L	SWAR	MID	COMM	4.0
SA	LM04.67L	SWAR	MID	IND	1.1
SA	LM04.67L	SWAR	MID	AG	0.4
SA	LM04.67L	SWAR	MID	UNDEV	52.8
SA	LM04.67L	SWAR	ULT	RES	71.2
SA	LM04.67L	SWAR	ULT	COMM	6.9
SA	LM04.67L	SWAR	ULT	IND	1.9
SA	LM04.67L	SWAR	ULT	AG	17.0
SA	LM04.67L	SWAR	ULT	UNDEV	3.0
SA	LM04.75L	SWAR	EXIST	RES	28.3
SA	LM04.75L	SWAR	EXIST	COMM	2.7
SA	LM04.75L	SWAR	EXIST	IND	0.8
SA	LM04.75L	SWAR	EXIST	AG	0.5
SA	LM04.75L	SWAR	EXIST	UNDEV	67.7
SA	LM04.75L	SWAR	MID	RES	41.6
SA	LM04.75L	SWAR	MID	COMM	4.0
SA	LM04.75L	SWAR	MID	IND	1.1
SA	LM04.75L	SWAR	MID	AG	0.4
SA	LM04.75L	SWAR	MID	UNDEV	52.8
SA	LM04.75L	SWAR	ULT	RES	71.2
SA	LM04.75L	SWAR	ULT	COMM	6.9
SA	LM04.75L	SWAR	ULT	IND	1.9
SA	LM04.75L	SWAR	ULT	AG	17.0
SA	LM04.75L	SWAR	ULT	UNDEV	3.0
SA	LM04.84L	SWAR	EXIST	RES	28.3
SA	LM04.84L	SWAR	EXIST	COMM	2.7
SA	LM04.84L	SWAR	EXIST	IND	0.8
SA	LM04.84L	SWAR	EXIST	AG	0.5
SA	LM04.84L	SWAR	EXIST	UNDEV	67.7
SA	LM04.84L	SWAR	MID	RES	41.6
SA	LM04.84L	SWAR	MID	COMM	4.0
SA	LM04.84L	SWAR	MID	IND	1.1
SA	LM04.84L	SWAR	MID	AG	0.4
SA	LM04.84L	SWAR	MID	UNDEV	52.8
SA	LM04.84L	SWAR	ULT	RES	71.2
SA	LM04.84L	SWAR	ULT	COMM	6.9

REGIONAL STORMWATER MASTER PLAN DATA

SA	LM04.14L	SWAR	MID	RES	41.6
SA	LM04.14L	SWAR	MID	COMM	4.0
SA	LM04.14L	SWAR	MID	IND	1.1
SA	LM04.14L	SWAR	MID	AG	0.4
SA	LM04.14L	SWAR	MID	UNDEV	52.8
SA	LM04.14L	SWAR	ULT	RES	71.2
SA	LM04.14L	SWAR	ULT	COMM	6.9
SA	LM04.14L	SWAR	ULT	IND	1.9
SA	LM04.14L	SWAR	ULT	AG	17.0
SA	LM04.14L	SWAR	ULT	UNDEV	3.0
SA	LM04.28L	SWAR	EXIST	RES	28.3
SA	LM04.28L	SWAR	EXIST	COMM	2.7
SA	LM04.28L	SWAR	EXIST	IND	0.8
SA	LM04.28L	SWAR	EXIST	AG	0.5
SA	LM04.28L	SWAR	EXIST	UNDEV	67.7
SA	LM04.28L	SWAR	MID	RES	41.6
SA	LM04.28L	SWAR	MID	COMM	4.0
SA	LM04.28L	SWAR	MID	IND	1.1
SA	LM04.28L	SWAR	MID	AG	0.4
SA	LM04.28L	SWAR	MID	UNDEV	52.8
SA	LM04.28L	SWAR	ULT	RES	71.2
SA	LM04.28L	SWAR	ULT	COMM	6.9
SA	LM04.28L	SWAR	ULT	IND	1.9
SA	LM04.28L	SWAR	ULT	AG	17.0
SA	LM04.28L	SWAR	ULT	UNDEV	3.0
SA	LM04.32L	SWAR	EXIST	RES	28.3
SA	LM04.32L	SWAR	EXIST	COMM	2.7
SA	LM04.32L	SWAR	EXIST	IND	0.8
SA	LM04.32L	SWAR	EXIST	AG	0.5
SA	LM04.32L	SWAR	EXIST	UNDEV	67.7
SA	LM04.32L	SWAR	MID	RES	41.6
SA	LM04.32L	SWAR	MID	COMM	4.0
SA	LM04.32L	SWAR	MID	IND	1.1
SA	LM04.32L	SWAR	MID	AG	0.4
SA	LM04.32L	SWAR	MID	UNDEV	52.8
SA	LM04.32L	SWAR	ULT	RES	71.2
SA	LM04.32L	SWAR	ULT	COMM	6.9
SA	LM04.32L	SWAR	ULT	IND	1.9
SA	LM04.32L	SWAR	ULT	AG	17.0
SA	LM04.32L	SWAR	ULT	UNDEV	3.0
SA	LM04.37	SWAR	EXIST	RES	28.3
SA	LM04.37	SWAR	EXIST	COMM	2.7
SA	LM04.37	SWAR	EXIST	IND	0.8
SA	LM04.37	SWAR	EXIST	AG	0.5
SA	LM04.37	SWAR	EXIST	UNDEV	67.7
SA	LM04.37	SWAR	MID	RES	41.6
SA	LM04.37	SWAR	MID	COMM	4.0
SA	LM04.37	SWAR	MID	IND	1.1
SA	LM04.37	SWAR	MID	AG	0.4
SA	LM04.37	SWAR	MID	UNDEV	52.8
SA	LM04.37	SWAR	ULT	RES	71.2
SA	LM04.37	SWAR	ULT	COMM	6.9
SA	LM04.37	SWAR	ULT	IND	1.9
SA	LM04.37	SWAR	ULT	AG	17.0
SA	LM04.37	SWAR	ULT	UNDEV	3.0
SA	LM04.37	SWAR	EXIST	RES	28.3

REGIONAL STORMWATER MASTER PLAN DATA

SA	LM03.02L	SWAR	MID	UNDEV	52.8
SA	LM03.02L	SWAR	ULT	RES	71.2
SA	LM03.02L	SWAR	ULT	COMM	6.9
SA	LM03.02L	SWAR	ULT	IND	1.9
SA	LM03.02L	SWAR	ULT	AG	17.0
SA	LM03.02L	SWAR	ULT	UNDEV	3.0
SA	LM03.34L	SWAR	EXIST	RES	28.3
SA	LM03.34L	SWAR	EXIST	COMM	2.7
SA	LM03.34L	SWAR	EXIST	IND	0.8
SA	LM03.34L	SWAR	EXIST	AG	0.5
SA	LM03.34L	SWAR	EXIST	UNDEV	67.7
SA	LM03.34L	SWAR	MID	RES	41.6
SA	LM03.34L	SWAR	MID	COMM	4.0
SA	LM03.34L	SWAR	MID	IND	1.1
SA	LM03.34L	SWAR	MID	AG	0.4
SA	LM03.34L	SWAR	MID	UNDEV	52.8
SA	LM03.34L	SWAR	ULT	RES	71.2
SA	LM03.34L	SWAR	ULT	COMM	6.9
SA	LM03.34L	SWAR	ULT	IND	1.9
SA	LM03.34L	SWAR	ULT	AG	17.0
SA	LM03.34L	SWAR	ULT	UNDEV	3.0
SA	LM03.81L	SWAR	EXIST	RES	28.3
SA	LM03.81L	SWAR	EXIST	COMM	2.7
SA	LM03.81L	SWAR	EXIST	IND	0.8
SA	LM03.81L	SWAR	EXIST	AG	0.5
SA	LM03.81L	SWAR	EXIST	UNDEV	67.7
SA	LM03.81L	SWAR	MID	RES	41.6
SA	LM03.81L	SWAR	MID	COMM	4.0
SA	LM03.81L	SWAR	MID	IND	1.1
SA	LM03.81L	SWAR	MID	AG	0.4
SA	LM03.81L	SWAR	MID	UNDEV	52.8
SA	LM03.81L	SWAR	ULT	RES	71.2
SA	LM03.81L	SWAR	ULT	COMM	6.9
SA	LM03.81L	SWAR	ULT	IND	1.9
SA	LM03.81L	SWAR	ULT	AG	17.0
SA	LM03.81L	SWAR	ULT	UNDEV	3.0
SA	LM03.95L	SWAR	EXIST	RES	28.3
SA	LM03.95L	SWAR	EXIST	COMM	2.7
SA	LM03.95L	SWAR	EXIST	IND	0.8
SA	LM03.95L	SWAR	EXIST	AG	0.5
SA	LM03.95L	SWAR	EXIST	UNDEV	67.7
SA	LM03.95L	SWAR	MID	RES	41.6
SA	LM03.95L	SWAR	MID	COMM	4.0
SA	LM03.95L	SWAR	MID	IND	1.1
SA	LM03.95L	SWAR	MID	AG	0.4
SA	LM03.95L	SWAR	MID	UNDEV	52.8
SA	LM03.95L	SWAR	ULT	RES	71.2
SA	LM03.95L	SWAR	ULT	COMM	6.9
SA	LM03.95L	SWAR	ULT	IND	1.9
SA	LM03.95L	SWAR	ULT	AG	17.0
SA	LM03.95L	SWAR	ULT	UNDEV	3.0
SA	LM04.14L	SWAR	EXIST	RES	28.3
SA	LM04.14L	SWAR	EXIST	COMM	2.7
SA	LM04.14L	SWAR	EXIST	IND	0.8
SA	LM04.14L	SWAR	EXIST	AG	0.5
SA	LM04.14L	SWAR	EXIST	UNDEV	67.7

REGIONAL STORMWATER MASTER PLAN DATA

SA	LM01.90L	SWAR	ULT	AG	17.0
SA	LM01.90L	SWAR	ULT	UNDEV	3.0
SA	LM02.15L	SWAR	EXIST	RES	28.3
SA	LM02.15L	SWAR	EXIST	COMM	2.7
SA	LM02.15L	SWAR	EXIST	IND	0.8
SA	LM02.15L	SWAR	EXIST	AG	0.5
SA	LM02.15L	SWAR	EXIST	UNDEV	67.7
SA	LM02.15L	SWAR	MID	RES	41.6
SA	LM02.15L	SWAR	MID	COMM	4.0
SA	LM02.15L	SWAR	MID	IND	1.1
SA	LM02.15L	SWAR	MID	AG	0.4
SA	LM02.15L	SWAR	MID	UNDEV	52.8
SA	LM02.15L	SWAR	ULT	RES	71.2
SA	LM02.15L	SWAR	ULT	COMM	6.9
SA	LM02.15L	SWAR	ULT	IND	1.9
SA	LM02.15L	SWAR	ULT	AG	17.0
SA	LM02.15L	SWAR	ULT	UNDEV	3.0
SA	LM02.29L	SWAR	EXIST	RES	28.3
SA	LM02.29L	SWAR	EXIST	COMM	2.7
SA	LM02.29L	SWAR	EXIST	IND	0.8
SA	LM02.29L	SWAR	EXIST	AG	0.5
SA	LM02.29L	SWAR	EXIST	UNDEV	67.7
SA	LM02.29L	SWAR	MID	RES	41.6
SA	LM02.29L	SWAR	MID	COMM	4.0
SA	LM02.29L	SWAR	MID	IND	1.1
SA	LM02.29L	SWAR	MID	AG	0.4
SA	LM02.29L	SWAR	MID	UNDEV	52.8
SA	LM02.29L	SWAR	ULT	RES	71.2
SA	LM02.29L	SWAR	ULT	COMM	6.9
SA	LM02.29L	SWAR	ULT	IND	1.9
SA	LM02.29L	SWAR	ULT	AG	17.0
SA	LM02.29L	SWAR	ULT	UNDEV	3.0
SA	LM01.58L	SWAR	EXIST	RES	28.3
SA	LM02.58L	SWAR	EXIST	COMM	2.7
SA	LM02.58L	SWAR	EXIST	IND	0.8
SA	LM02.58L	SWAR	EXIST	AG	0.5
SA	LM02.58L	SWAR	EXIST	UNDEV	67.7
SA	LM02.58L	SWAR	MID	RES	41.6
SA	LM02.58L	SWAR	MID	COMM	4.0
SA	LM02.58L	SWAR	MID	IND	1.1
SA	LM02.58L	SWAR	MID	AG	0.4
SA	LM02.58L	SWAR	MID	UNDEV	52.8
SA	LM02.58L	SWAR	ULT	RES	71.2
SA	LM02.58L	SWAR	ULT	COMM	6.9
SA	LM02.58L	SWAR	ULT	IND	1.9
SA	LM02.58L	SWAR	ULT	AG	17.0
SA	LM02.58L	SWAR	ULT	UNDEV	3.0
SA	LM03.02L	SWAR	EXIST	RES	28.3
SA	LM03.02L	SWAR	EXIST	COMM	2.7
SA	LM03.02L	SWAR	EXIST	IND	0.8
SA	LM03.02L	SWAR	EXIST	AG	0.5
SA	LM03.02L	SWAR	EXIST	UNDEV	67.7
SA	LM03.02L	SWAR	MID	RES	41.6
SA	LM03.02L	SWAR	MID	COMM	4.0
SA	LM03.02L	SWAR	MID	IND	1.1
SA	LM03.02L	SWAR	MID	AG	0.4

REGIONAL STORMWATER MASTER PLAN DATA

SA	LM00.85L	SWAR	EXIST	IND	0.8
SA	LM00.85L	SWAR	EXIST	AG	0.5
SA	LM00.85L	SWAR	EXIST	UNDEV	67.7
SA	LM00.85L	SWAR	MID	RES	41.6
SA	LM00.85L	SWAR	MID	COMM	4.0
SA	LM00.85L	SWAR	MID	IND	1.1
SA	LM00.85L	SWAR	MID	AG	0.4
SA	LM00.85L	SWAR	MID	UNDEV	52.8
SA	LM00.85L	SWAR	ULT	RES	71.2
SA	LM00.85L	SWAR	ULT	COMM	6.9
SA	LM00.85L	SWAR	ULT	IND	1.9
SA	LM00.85L	SWAR	ULT	AG	17.0
SA	LM00.85L	SWAR	ULT	UNDEV	3.0
SA	LM00.95L	SWAR	EXIST	RES	28.3
SA	LM00.95L	SWAR	EXIST	COMM	2.7
SA	LM00.95L	SWAR	EXIST	IND	0.8
SA	LM00.95L	SWAR	EXIST	AG	0.5
SA	LM00.95L	SWAR	EXIST	UNDEV	67.7
SA	LM00.95L	SWAR	MID	RES	41.6
SA	LM00.95L	SWAR	MID	COMM	4.0
SA	LM00.95L	SWAR	MID	IND	1.1
SA	LM00.95L	SWAR	MID	AG	0.4
SA	LM00.95L	SWAR	MID	UNDEV	52.8
SA	LM00.95L	SWAR	ULT	RES	71.2
SA	LM00.95L	SWAR	ULT	COMM	6.9
SA	LM00.95L	SWAR	ULT	IND	1.9
SA	LM00.95L	SWAR	ULT	AG	17.0
SA	LM00.95L	SWAR	ULT	UNDEV	3.0
SA	LM01.47L	SWAR	EXIST	RES	28.3
SA	LM01.47L	SWAR	EXIST	COMM	2.7
SA	LM01.47L	SWAR	EXIST	IND	0.8
SA	LM01.47L	SWAR	EXIST	AG	0.5
SA	LM01.47L	SWAR	EXIST	UNDEV	67.7
SA	LM01.47L	SWAR	MID	RES	41.6
SA	LM01.47L	SWAR	MID	COMM	4.0
SA	LM01.47L	SWAR	MID	IND	1.1
SA	LM01.47L	SWAR	MID	AG	0.4
SA	LM01.47L	SWAR	MID	UNDEV	52.8
SA	LM01.47L	SWAR	ULT	RES	71.2
SA	LM01.47L	SWAR	ULT	COMM	6.9
SA	LM01.47L	SWAR	ULT	IND	1.9
SA	LM01.47L	SWAR	ULT	AG	17.0
SA	LM01.47L	SWAR	ULT	UNDEV	3.0
SA	LM01.90L	SWAR	EXIST	RES	28.3
SA	LM01.90L	SWAR	EXIST	COMM	2.7
SA	LM01.90L	SWAR	EXIST	IND	0.8
SA	LM01.90L	SWAR	EXIST	AG	0.5
SA	LM01.90L	SWAR	EXIST	UNDEV	67.7
SA	LM01.90L	SWAR	MID	RES	41.6
SA	LM01.90L	SWAR	MID	COMM	4.0
SA	LM01.90L	SWAR	MID	IND	1.1
SA	LM01.90L	SWAR	MID	AG	0.4
SA	LM01.90L	SWAR	MID	UNDEV	52.8
SA	LM01.90L	SWAR	ULT	RES	71.2
SA	LM01.90L	SWAR	ULT	COMM	6.9
SA	LM01.90L	SWAR	ULT	IND	1.9

REGIONAL STORMWATER MASTER PLAN DATA

SA	0804.07R	SWAR	ULT	AG	17.0
SA	0804.07R	SWAR	ULT	UNDEV	3.0
SA	0804.09R	SWAR	EXIST	RES	74.7
SA	0804.09R	SWAR	EXIST	COMM	9.7
SA	0804.09R	SWAR	EXIST	IND	0.4
SA	0804.09R	SWAR	EXIST	AG	0.4
SA	0804.09R	SWAR	EXIST	UNDEV	14.8
SA	0804.09R	SWAR	MID	RES	70.5
SA	0804.09R	SWAR	MID	COMM	9.1
SA	0804.09R	SWAR	MID	IND	0.4
SA	0804.09R	SWAR	MID	AG	0.5
SA	0804.09R	SWAR	MID	UNDEV	19.5
SA	0804.09R	SWAR	ULT	RES	70.5
SA	0804.09R	SWAR	ULT	COMM	9.1
SA	0804.09R	SWAR	ULT	IND	0.4
SA	0804.09R	SWAR	ULT	AG	17.0
SA	0804.09R	SWAR	ULT	UNDEV	3.0
SA	0804.23R	SWAR	EXIST	RES	74.7
SA	0804.23R	SWAR	EXIST	COMM	9.7
SA	0804.23R	SWAR	EXIST	IND	0.4
SA	0804.23R	SWAR	EXIST	AG	0.4
SA	0804.23R	SWAR	EXIST	UNDEV	14.8
SA	0804.23R	SWAR	MID	RES	70.5
SA	0804.23R	SWAR	MID	COMM	9.1
SA	0804.23R	SWAR	MID	IND	0.4
SA	0804.23R	SWAR	MID	AG	0.5
SA	0804.23R	SWAR	MID	UNDEV	19.5
SA	0804.23R	SWAR	ULT	RES	70.5
SA	0804.23R	SWAR	ULT	COMM	9.1
SA	0804.23R	SWAR	ULT	IND	0.4
SA	0804.23R	SWAR	ULT	AG	17.0
SA	0804.23R	SWAR	ULT	UNDEV	3.0
SA	0804.54R	SWAR	EXIST	RES	74.7
SA	0804.54R	SWAR	EXIST	COMM	9.7
SA	0804.54R	SWAR	EXIST	IND	0.4
SA	0804.54R	SWAR	EXIST	AG	0.4
SA	0804.54R	SWAR	EXIST	UNDEV	14.8
SA	0804.54R	SWAR	MID	RES	70.5
SA	0804.54R	SWAR	MID	COMM	9.1
SA	0804.54R	SWAR	MID	IND	0.4
SA	0804.54R	SWAR	MID	AG	0.5
SA	0804.54R	SWAR	MID	UNDEV	19.5
SA	0804.54R	SWAR	ULT	RES	70.5
SA	0804.54R	SWAR	ULT	COMM	9.1
SA	0804.54R	SWAR	ULT	IND	0.4
SA	0804.54R	SWAR	ULT	AG	17.0
SA	0804.54R	SWAR	ULT	UNDEV	3.0
SA	0804.58R	SWAR	EXIST	RES	74.7
SA	0804.58R	SWAR	EXIST	COMM	9.7
SA	0804.58R	SWAR	EXIST	IND	0.4
SA	0804.58R	SWAR	EXIST	AG	0.4
SA	0804.58R	SWAR	EXIST	UNDEV	14.8
SA	0804.58R	SWAR	MID	RES	70.5
SA	0804.58R	SWAR	MID	COMM	9.1
SA	0804.58R	SWAR	MID	IND	0.4
SA	0804.58R	SWAR	MID	AG	0.5

REGIONAL STORMWATER MASTER PLAN DATA

SA	0804.58R	SWAR	MID	UNDEV	19.5
SA	0804.58R	SWAR	ULT	RES	70.5
SA	0804.58R	SWAR	ULT	COMM	9.1
SA	0804.58F	SWAR	ULT	IND	0.4
SA	0804.58R	SWAR	ULT	AG	17.0
SA	0804.58R	SWAR	ULT	UNDEV	3.0
SA	0804.64R	SWAR	EXIST	RES	74.7
SA	0804.64R	SWAR	EXIST	COMM	9.7
SA	0804.64R	SWAR	EXIST	IND	0.4
SA	0804.64R	SWAR	EXIST	AG	0.4
SA	0804.64R	SWAR	EXIST	UNDEV	14.8
SA	0804.64R	SWAR	MID	RES	70.5
SA	0804.64P	SWAR	MID	COMM	9.1
SA	0804.64R	SWAR	MID	IND	0.4
SA	0804.64P	SWAR	MID	AG	0.5
SA	0804.64R	SWAR	MID	UNDEV	19.5
SA	0804.64R	SWAR	ULT	RES	70.5
SA	0804.64R	SWAR	ULT	COMM	9.1
SA	0804.64R	SWAR	ULT	IND	0.4
SA	0804.64R	SWAR	ULT	AG	17.0
SA	0804.64R	SWAR	ULT	UNDEV	3.0
SA	0805.14P	SWAR	EXIST	RES	74.7
SA	0805.14R	SWAR	EXIST	COMM	9.7
SA	0805.14R	SWAR	EXIST	IND	0.4
SA	0805.14R	SWAR	EXIST	AG	0.4
SA	0805.14P	SWAR	EXIST	UNDEV	14.8
SA	0805.14R	SWAR	MID	RES	70.5
SA	0805.14R	SWAR	MID	COMM	9.1
SA	0805.14R	SWAR	MID	IND	0.4
SA	0805.14R	SWAR	MID	AG	0.5
SA	0805.14P	SWAR	MID	UNDEV	19.5
SA	0805.14R	SWAR	ULT	RES	70.5
SA	0805.14P	SWAR	ULT	COMM	9.1
SA	0805.14R	SWAR	ULT	IND	0.4
SA	0805.14P	SWAR	ULT	AG	17.0
SA	0805.14P	SWAR	ULT	UNDEV	3.0
SA	0805.35P	SWAR	EXIST	RES	74.7
SA	0805.35R	SWAR	EXIST	COMM	9.7
SA	0805.35R	SWAR	EXIST	IND	0.4
SA	0805.35R	SWAR	EXIST	AG	0.4
SA	0805.35R	SWAR	EXIST	UNDEV	14.8
SA	0805.35R	SWAR	MID	RES	70.5
SA	0805.35R	SWAR	MID	COMM	9.1
SA	0805.35R	SWAR	MID	IND	0.4
SA	0805.35P	SWAR	MID	AG	0.5
SA	0805.35R	SWAR	MID	UNDEV	19.5
SA	0805.35R	SWAR	ULT	RES	70.5
SA	0805.35R	SWAR	ULT	COMM	9.1
SA	0805.35R	SWAR	ULT	IND	0.4
SA	0805.35R	SWAR	ULT	AG	17.0
SA	0805.35P	SWAR	ULT	UNDEV	3.0
SA	0805.48R	SWAR	EXIST	RES	74.7
SA	0805.48R	SWAR	EXIST	COMM	9.7
SA	0805.48R	SWAR	EXIST	IND	0.4
SA	0805.48R	SWAR	EXIST	AG	0.4
SA	0805.48R	SWAR	EXIST	UNDEV	14.8

REGIONAL STORMWATER MASTER PLAN DATA

SA	0805.48R	SWAR	MID	RES	70.5
SA	0805.48R	SWAR	MID	COMM	9.1
SA	0805.48R	SWAR	MID	IND	0.4
SA	0805.48R	SWAR	MID	AG	0.5
SA	0805.48R	SWAR	MID	UNDEV	19.5
SA	0805.48R	SWAR	ULT	RES	70.5
SA	0805.48R	SWAR	ULT	COMM	9.1
SA	0805.48R	SWAR	ULT	IND	0.4
SA	0805.48R	SWAR	ULT	AG	17.0
SA	0805.48R	SWAR	ULT	UNDEV	3.0
SA	0805.65R	SWAR	EXIST	RES	74.7
SA	0805.65R	SWAR	EXIST	COMM	9.7
SA	0805.65R	SWAR	EXIST	IND	0.4
SA	0805.65R	SWAR	EXIST	AG	0.4
SA	0805.65R	SWAR	EXIST	UNDEV	14.8
SA	0805.65R	SWAR	MID	RES	70.5
SA	0805.65R	SWAR	MID	COMM	9.1
SA	0805.65R	SWAR	MID	IND	0.4
SA	0805.65R	SWAR	MID	AG	0.5
SA	0805.65R	SWAR	MID	UNDEV	19.5
SA	0805.65R	SWAR	ULT	RES	70.5
SA	0805.65R	SWAR	ULT	COMM	9.1
SA	0805.65R	SWAR	ULT	IND	0.4
SA	0805.65R	SWAR	ULT	AG	17.0
SA	0805.65R	SWAR	ULT	UNDEV	3.0
SA	0805.84R	SWAR	EXIST	RES	74.7
SA	0805.84R	SWAR	EXIST	COMM	9.7
SA	0805.84R	SWAR	EXIST	IND	0.4
SA	0805.84R	SWAR	EXIST	AG	0.4
SA	0805.84R	SWAR	EXIST	UNDEV	14.8
SA	0805.84R	SWAR	MID	RES	70.5
SA	0805.84R	SWAR	MID	COMM	9.1
SA	0805.84R	SWAR	MID	IND	0.4
SA	0805.84R	SWAR	MID	AG	0.5
SA	0805.84R	SWAR	MID	UNDEV	19.5
SA	0805.84R	SWAR	ULT	RES	70.5
SA	0805.84R	SWAR	ULT	COMM	9.1
SA	0805.84R	SWAR	ULT	IND	0.4
SA	0805.84R	SWAR	ULT	AG	17.0
SA	0805.84R	SWAR	ULT	UNDEV	3.0
SA	0806.65R	SWAR	EXIST	RES	74.7
SA	0806.65R	SWAR	EXIST	COMM	9.7
SA	0806.65R	SWAR	EXIST	IND	0.4
SA	0806.65R	SWAR	EXIST	AG	0.4
SA	0806.65R	SWAR	EXIST	UNDEV	14.8
SA	0806.65R	SWAR	MID	RES	70.5
SA	0806.65R	SWAR	MID	COMM	9.1
SA	0806.65R	SWAR	MID	IND	0.4
SA	0806.65R	SWAR	MID	AG	0.5
SA	0806.65R	SWAR	MID	UNDEV	19.5
SA	0806.65R	SWAR	ULT	RES	70.5
SA	0806.65R	SWAR	ULT	COMM	9.1
SA	0806.65R	SWAR	ULT	IND	0.4
SA	0806.65R	SWAR	ULT	AG	17.0
SA	0806.65R	SWAR	ULT	UNDEV	3.0
SA	0807.05R	SWAR	EXIST	RES	74.7

REGIONAL STORMWATER MASTER PLAN DATA

SA	0B09.47R	SWAR	ULT	IND	0.4
SA	0B09.47R	SWAF	ULT	AG	17.0
SA	0B09.47R	SWAF	ULT	UNDEV	3.0
SA	0B09.89R	SWAR	EXIST	RES	74.7
SA	0B09.89R	SWAR	EXIST	COMM	9.7
SA	0B09.89R	SWAR	EXIST	IND	0.4
SA	0B09.89R	SWAR	EXIST	AG	0.4
SA	0B09.89R	SWAR	EXIST	UNDEV	14.8
SA	0B09.89R	SWAR	MID	RES	70.5
SA	0B09.89R	SWAF	MID	COMM	9.1
SA	0B09.89R	SWAF	MID	IND	0.4
SA	0B09.89R	SWAR	MID	AG	0.5
SA	0B09.89R	SWAR	MID	UNDEV	19.5
SA	0B09.89R	SWAF	ULT	RES	70.5
SA	0B09.89R	SWAF	ULT	COMM	9.1
SA	0B09.89R	SWAR	ULT	IND	0.4
SA	0B09.89R	SWAR	ULT	AG	17.0
SA	0B09.89R	SWAF	ULT	UNDEV	3.0
SA	0B10.03R	SWAR	EXIST	RES	74.7
SA	0B10.03R	SWAR	EXIST	COMM	9.7
SA	0B10.03R	SWAR	EXIST	IND	0.4
SA	0B10.03R	SWAR	EXIST	AG	0.4
SA	0B10.03R	SWAF	EXIST	UNDEV	14.8
SA	0B10.03R	SWAR	MID	RES	70.5
SA	0B10.03R	SWAF	MID	COMM	9.1
SA	0B10.03R	SWAR	MID	IND	0.4
SA	0B10.03R	SWAF	MID	AG	0.5
SA	0B10.03R	SWAR	MID	UNDEV	19.5
SA	0B10.03R	SWAR	ULT	RES	70.5
SA	0B10.03R	SWAR	ULT	COMM	9.1
SA	0B10.03R	SWAR	ULT	IND	0.4
SA	0B10.03R	SWAR	ULT	AG	17.0
SA	0B10.03R	SWAR	ULT	UNDEV	3.0
SA	0C00.09R	SWAR	EXIST	RES	32.6
SA	0C00.09R	SWAR	EXIST	COMM	3.8
SA	0C00.09R	SWAR	EXIST	IND	0.4
SA	0C00.09R	SWAR	EXIST	AG	30.0
SA	0C00.09R	SWAR	EXIST	UNDEV	33.2
SA	0C00.09R	SWAR	MID	RES	52.8
SA	0C00.09R	SWAR	MID	COMM	6.1
SA	0C00.09R	SWAR	MID	IND	0.6
SA	0C00.09R	SWAR	MID	AG	19.2
SA	0C00.09R	SWAR	MID	UNDEV	21.3
SA	0C00.09R	SWAR	ULT	RES	55.0
SA	0C00.09R	SWAR	ULT	COMM	12.3
SA	0C00.09R	SWAR	ULT	IND	3.8
SA	0C00.09R	SWAR	ULT	AG	15.2
SA	0C00.09R	SWAR	ULT	UNDEV	2.7
SA	0C01.36R	SWAR	EXIST	RES	32.6
SA	0C01.36R	SWAR	EXIST	COMM	3.8
SA	0C01.36R	SWAR	EXIST	IND	0.4
SA	0C01.36R	SWAF	EXIST	AG	30.0
SA	0C01.36R	SWAF	EXIST	UNDEV	33.2
SA	0C01.36R	SWAR	MID	RES	52.8
SA	0C01.36R	SWAR	MID	COMM	6.1
SA	0C01.36R	SWAR	MID	IND	0.6

REGIONAL STORMWATER MASTER PLAN DATA

SA	0001.36R	SWAR	MID	AG	19.2
SA	0001.36R	SWAR	MID	UNDEV	21.3
SA	0001.36R	SWAR	ULT	RES	66.0
SA	0001.36R	SWAR	ULT	COMM	12.3
SA	0001.36R	SWAR	ULT	IND	3.8
SA	0001.36R	SWAR	ULT	AG	15.2
SA	0001.36R	SWAR	ULT	UNDEV	2.7
SA	0002.57R	SWAR	EXIST	RES	32.6
SA	0002.57R	SWAR	EXIST	COMM	3.8
SA	0002.57R	SWAR	EXIST	IND	0.4
SA	0002.57R	SWAR	EXIST	AG	30.0
SA	0002.57R	SWAR	EXIST	UNDEV	33.2
SA	0002.57R	SWAR	MID	RES	52.8
SA	0002.57R	SWAR	MID	COMM	6.1
SA	0002.57R	SWAR	MID	IND	0.6
SA	0002.57R	SWAR	MID	AG	19.2
SA	0002.57R	SWAR	MID	UNDEV	21.3
SA	0002.57R	SWAR	ULT	RES	66.0
SA	0002.57R	SWAR	ULT	COMM	12.3
SA	0002.57R	SWAR	ULT	IND	3.8
SA	0002.57R	SWAR	ULT	AG	15.2
SA	0002.57R	SWAR	ULT	UNDEV	2.7
SA	0002.64R	SWAR	EXIST	RES	32.6
SA	0002.64R	SWAR	EXIST	COMM	3.8
SA	0002.64R	SWAR	EXIST	IND	0.4
SA	0002.64R	SWAR	EXIST	AG	30.0
SA	0002.64R	SWAR	EXIST	UNDEV	33.2
SA	0002.64R	SWAR	MID	RES	52.8
SA	0002.64R	SWAR	MID	COMM	6.1
SA	0002.64R	SWAR	MID	IND	0.6
SA	0002.64R	SWAR	MID	AG	19.2
SA	0002.64R	SWAR	MID	UNDEV	21.3
SA	0002.64R	SWAR	ULT	RES	66.0
SA	0002.64R	SWAR	ULT	COMM	12.3
SA	0002.64R	SWAR	ULT	IND	3.8
SA	0002.64R	SWAR	ULT	AG	15.2
SA	0002.64R	SWAR	ULT	UNDEV	2.7
SA	0002.86R	SWAR	EXIST	RES	32.6
SA	0002.86R	SWAR	EXIST	COMM	3.8
SA	0002.86R	SWAR	EXIST	IND	0.4
SA	0002.86R	SWAR	EXIST	AG	30.0
SA	0002.86R	SWAR	EXIST	UNDEV	33.2
SA	0002.86R	SWAR	MID	RES	52.8
SA	0002.86R	SWAR	MID	COMM	6.1
SA	0002.86R	SWAR	MID	IND	0.6
SA	0002.86R	SWAR	MID	AG	19.2
SA	0002.86R	SWAR	MID	UNDEV	21.3
SA	0002.86R	SWAR	ULT	RES	66.0
SA	0002.86R	SWAR	ULT	COMM	12.3
SA	0002.86R	SWAR	ULT	IND	3.8
SA	0002.86R	SWAR	ULT	AG	15.2
SA	0002.86R	SWAR	ULT	UNDEV	2.7
SA	0003.57R	SWAR	EXIST	RES	32.6
SA	0003.57R	SWAR	EXIST	COMM	3.8
SA	0003.57R	SWAR	EXIST	IND	0.4
SA	0003.57R	SWAR	EXIST	AG	30.0

REGIONAL STORMWATER MASTER PLAN DATA

SA	0003.57R	SWAR	EXIST	UNDEV	33.2
SA	0003.57R	SWAR	MID	RES	52.8
SA	0003.57F	SWAR	MID	COMM	6.1
SA	0003.57F	SWAR	MID	IND	0.6
SA	0003.57F	SWAR	MID	AG	19.2
SA	0003.57R	SWAR	MID	UNDEV	21.3
SA	0003.57F	SWAR	ULT	RES	66.0
SA	0003.57F	SWAR	ULT	COMM	12.3
SA	0003.57F	SWAR	ULT	IND	3.8
SA	0003.57R	SWAR	ULT	AG	15.2
SA	0003.57R	SWAR	ULT	UNDEV	2.7
SA	0004.13R	SWAR	EXIST	RES	32.6
SA	0004.13R	SWAR	EXIST	COMM	3.8
SA	0004.13R	SWAR	EXIST	IND	0.4
SA	0004.13R	SWAR	EXIST	AG	30.0
SA	0004.13R	SWAR	EXIST	UNDEV	33.2
SA	0004.13R	SWAR	MID	RES	52.8
SA	0004.13R	SWAR	MID	COMM	6.1
SA	0004.13R	SWAR	MID	IND	0.6
SA	0004.13R	SWAR	MID	AG	19.2
SA	0004.13R	SWAR	MID	UNDEV	21.3
SA	0004.13R	SWAR	ULT	RES	66.0
SA	0004.13R	SWAR	ULT	COMM	12.3
SA	0004.13R	SWAR	ULT	IND	3.8
SA	0004.13R	SWAR	ULT	AG	15.2
SA	0004.13R	SWAR	ULT	UNDEV	2.7
SA	0004.36R	SWAR	EXIST	RES	32.6
SA	0004.36R	SWAR	EXIST	COMM	3.8
SA	0004.36R	SWAR	EXIST	IND	0.4
SA	0004.36R	SWAR	EXIST	AG	30.0
SA	0004.36R	SWAR	EXIST	UNDEV	33.2
SA	0004.36F	SWAR	MID	RES	52.8
SA	0004.36R	SWAR	MID	COMM	6.1
SA	0004.36R	SWAR	MID	IND	0.6
SA	0004.36R	SWAR	MID	AG	19.2
SA	0004.36R	SWAR	MID	UNDEV	21.3
SA	0004.36F	SWAR	ULT	RES	66.0
SA	0004.36R	SWAR	ULT	COMM	12.3
SA	0004.36R	SWAR	ULT	IND	3.8
SA	0004.36F	SWAR	ULT	AG	15.2
SA	0004.36R	SWAR	ULT	UNDEV	2.7
SA	0004.37R	SWAR	EXIST	RES	32.6
SA	0004.37R	SWAR	EXIST	COMM	3.8
SA	0004.37R	SWAR	EXIST	IND	0.4
SA	0004.37F	SWAR	EXIST	AG	30.0
SA	0004.37R	SWAR	EXIST	UNDEV	33.2
SA	0004.37R	SWAR	MID	RES	52.8
SA	0004.37R	SWAR	MID	COMM	6.1
SA	0004.37R	SWAR	MID	IND	0.6
SA	0004.37R	SWAR	MID	AG	19.2
SA	0004.37R	SWAR	MID	UNDEV	21.3
SA	0004.37R	SWAR	ULT	RES	66.0
SA	0004.37R	SWAR	ULT	COMM	12.3
SA	0004.37R	SWAR	ULT	IND	3.8
SA	0004.37R	SWAR	ULT	AG	15.2
SA	0004.37R	SWAR	ULT	UNDEV	2.7

REGIONAL STORMWATER MASTER PLAN DATA

BA	0004.38F	SWAR	EXIST	RES	32.6
BA	0004.38R	SWAR	EXIST	COMM	3.8
BA	0004.38R	SWAR	EXIST	IND	0.4
BA	0004.38R	SWAR	EXIST	AG	30.0
BA	0004.38R	SWAR	EXIST	UNDEV	33.2
BA	0004.38R	SWAR	MID	RES	52.8
BA	0004.38R	SWAR	MID	COMM	6.1
BA	0004.38R	SWAR	MID	IND	0.6
BA	0004.38R	SWAR	MID	AG	19.2
BA	0004.38R	SWAR	MID	UNDEV	21.3
BA	0004.38R	SWAR	ULT	RES	66.0
BA	0004.38R	SWAR	ULT	COMM	12.3
BA	0004.38R	SWAR	ULT	IND	3.8
BA	0004.38R	SWAR	ULT	AG	15.2
BA	0004.38R	SWAR	ULT	UNDEV	2.7
BA	0004.45F	SWAR	EXIST	RES	32.6
BA	0004.45F	SWAR	EXIST	COMM	3.8
BA	0004.45F	SWAR	EXIST	IND	0.4
BA	0004.45F	SWAR	EXIST	AG	30.0
BA	0004.45F	SWAR	EXIST	UNDEV	33.2
BA	0004.45F	SWAR	MID	RES	52.8
BA	0004.45F	SWAR	MID	COMM	6.1
BA	0004.45F	SWAR	MID	IND	0.6
BA	0004.45F	SWAR	MID	AG	19.2
BA	0004.45F	SWAR	MID	UNDEV	21.3
BA	0004.45F	SWAR	ULT	RES	66.0
BA	0004.45F	SWAR	ULT	COMM	12.3
BA	0004.45F	SWAR	ULT	IND	3.8
BA	0004.45F	SWAR	ULT	AG	15.2
BA	0004.45F	SWAR	ULT	UNDEV	2.7
BA	0004.47F	SWAR	EXIST	RES	32.6
BA	0004.47R	SWAR	EXIST	COMM	3.8
BA	0004.47R	SWAR	EXIST	IND	0.4
BA	0004.47R	SWAR	EXIST	AG	30.0
BA	0004.47F	SWAR	EXIST	UNDEV	33.2
BA	0004.47F	SWAR	MID	RES	52.8
BA	0004.47F	SWAR	MID	COMM	6.1
BA	0004.47F	SWAR	MID	IND	0.6
BA	0004.47F	SWAR	MID	AG	19.2
BA	0004.47F	SWAR	MID	UNDEV	21.3
BA	0004.47R	SWAR	ULT	RES	66.0
BA	0004.47R	SWAR	ULT	COMM	12.3
BA	0004.47R	SWAR	ULT	IND	3.8
BA	0004.47R	SWAR	ULT	AG	15.2
BA	0004.47R	SWAR	ULT	UNDEV	2.7
BA	0004.51F	SWAR	EXIST	RES	32.6
BA	0004.51F	SWAR	EXIST	COMM	3.8
BA	0004.51F	SWAR	EXIST	IND	0.4
BA	0004.51F	SWAR	EXIST	AG	30.0
BA	0004.51F	SWAR	EXIST	UNDEV	33.2
BA	0004.51F	SWAR	MID	RES	52.8
BA	0004.51F	SWAR	MID	COMM	6.1
BA	0004.51F	SWAR	MID	IND	0.6
BA	0004.51F	SWAR	MID	AG	19.2
BA	0004.51F	SWAR	MID	UNDEV	21.3
BA	0004.51F	SWAR	ULT	RES	66.0

REGIONAL STORMWATER MASTER PLAN DATA

24	0004.51R	SWAR	ULT	COMM	12.7
24	0004.51R	SWAR	ULT	IND	3.8
24	0004.51R	SWAR	ULT	AG	15.2
24	0004.51R	SWAR	ULT	UNDEV	2.7
24	0004.56R	SWAR	EXIST	RES	32.6
24	0004.56R	SWAR	EXIST	COMM	3.8
24	0004.56R	SWAR	EXIST	IND	0.4
24	0004.56R	SWAR	EXIST	AG	30.0
24	0004.56R	SWAR	EXIST	UNDEV	33.2
24	0004.56R	SWAR	MID	RES	32.6
24	0004.56R	SWAR	MID	COMM	6.1
24	0004.56R	SWAR	MID	IND	0.6
24	0004.56R	SWAR	MID	AG	19.2
24	0004.56R	SWAR	MID	UNDEV	2.7
24	0004.61R	SWAR	EXIST	RES	32.6
24	0004.61R	SWAR	EXIST	COMM	3.8
24	0004.61R	SWAR	EXIST	IND	0.4
24	0004.61R	SWAR	EXIST	AG	30.0
24	0004.61R	SWAR	EXIST	UNDEV	33.2
24	0004.61R	SWAR	MID	RES	32.6
24	0004.61R	SWAR	MID	COMM	6.1
24	0004.61R	SWAR	MID	IND	0.6
24	0004.61R	SWAR	MID	AG	19.2
24	0004.61R	SWAR	MID	UNDEV	2.7
24	0004.61R	SWAR	ULT	RES	32.6
24	0004.61R	SWAR	ULT	COMM	3.8
24	0004.61R	SWAR	ULT	IND	0.4
24	0004.61R	SWAR	ULT	AG	30.0
24	0004.61R	SWAR	ULT	UNDEV	33.2
24	0004.69R	SWAR	EXIST	RES	32.6
24	0004.69R	SWAR	EXIST	COMM	3.8
24	0004.69R	SWAR	EXIST	IND	0.4
24	0004.69R	SWAR	EXIST	AG	30.0
24	0004.69R	SWAR	EXIST	UNDEV	33.2
24	0004.69R	SWAR	MID	RES	32.6
24	0004.69R	SWAR	MID	COMM	6.1
24	0004.69R	SWAR	MID	IND	0.6
24	0004.69R	SWAR	MID	AG	19.2
24	0004.69R	SWAR	MID	UNDEV	2.7
24	0004.69R	SWAR	ULT	RES	32.6
24	0004.69R	SWAR	ULT	COMM	3.8
24	0004.69R	SWAR	ULT	IND	0.4
24	0004.69R	SWAR	ULT	AG	30.0
24	0004.69R	SWAR	ULT	UNDEV	33.2
24	0004.73R	SWAR	EXIST	RES	32.6
24	0004.73R	SWAR	EXIST	COMM	3.8
24	0004.73R	SWAR	EXIST	IND	0.4
24	0004.73R	SWAR	EXIST	AG	30.0
24	0004.73R	SWAR	EXIST	UNDEV	33.2
24	0004.73R	SWAR	MID	RES	32.6
24	0004.73R	SWAR	MID	COMM	6.1
24	0004.73R	SWAR	MID	IND	0.6
24	0004.73R	SWAR	MID	AG	15.2
24	0004.73R	SWAR	MID	UNDEV	2.7

REGIONAL STORMWATER MASTER PLAN DATA

SA	0004.78R	SWAF	MID	IND	0.6
SA	0004.78R	SWAR	MID	AG	19.2
SA	0004.78R	SWAR	MID	UNDEV	21.3
SA	0004.78R	SWAF	ULT	RES	66.0
SA	0004.78R	SWAR	ULT	COMM	12.3
SA	0004.78R	SWAR	ULT	IND	3.8
SA	0004.78R	SWAR	ULT	AG	15.2
SA	0004.78R	SWAR	ULT	UNDEV	2.7
SA	0004.82R	SWAR	EXIST	RES	32.6
SA	0004.82R	SWAR	EXIST	COMM	3.8
SA	0004.82R	SWAF	EXIST	IND	0.4
SA	0004.82R	SWAR	EXIST	AG	30.0
SA	0004.82R	SWAR	EXIST	UNDEV	33.2
SA	0004.82R	SWAF	MID	RES	52.8
SA	0004.82R	SWAF	MID	COMM	6.1
SA	0004.82R	SWAR	MID	IND	0.6
SA	0004.82R	SWAR	MID	AG	19.2
SA	0004.82R	SWAR	MID	UNDEV	21.3
SA	0004.82R	SWAR	ULT	RES	66.0
SA	0004.82R	SWAF	ULT	COMM	12.3
SA	0004.82R	SWAR	ULT	IND	3.8
SA	0004.82R	SWAR	ULT	AG	15.2
SA	0004.82R	SWAR	ULT	UNDEV	2.7
SA	0004.87R	SWAR	EXIST	RES	32.6
SA	0004.87R	SWAR	EXIST	COMM	3.8
SA	0004.87R	SWAR	EXIST	IND	0.4
SA	0004.87R	SWAF	EXIST	AG	30.0
SA	0004.87R	SWAR	EXIST	UNDEV	33.2
SA	0004.87R	SWAR	MID	RES	52.8
SA	0004.87R	SWAR	MID	COMM	6.1
SA	0004.87R	SWAR	MID	IND	0.6
SA	0004.87R	SWAR	MID	AG	19.2
SA	0004.87R	SWAF	MID	UNDEV	21.3
SA	0004.87R	SWAR	ULT	RES	66.0
SA	0004.87R	SWAR	ULT	COMM	12.3
SA	0004.87R	SWAR	ULT	IND	3.8
SA	0004.87R	SWAR	ULT	AG	15.2
SA	0004.87R	SWAR	ULT	UNDEV	2.7
SA	0004.89R	SWAR	EXIST	RES	32.6
SA	0004.89R	SWAF	EXIST	COMM	3.8
SA	0004.89R	SWAR	EXIST	IND	0.4
SA	0004.89R	SWAR	EXIST	AG	30.0
SA	0004.89R	SWAR	EXIST	UNDEV	33.2
SA	0004.89R	SWAF	MID	RES	52.8
SA	0004.89R	SWAR	MID	COMM	6.1
SA	0004.89R	SWAR	MID	IND	0.6
SA	0004.89R	SWAR	MID	AG	19.2
SA	0004.89R	SWAR	MID	UNDEV	21.3
SA	0004.89R	SWAR	ULT	RES	66.0
SA	0004.89R	SWAR	ULT	COMM	12.3
SA	0004.89R	SWAR	ULT	IND	3.8
SA	0004.89R	SWAR	ULT	AG	15.2
SA	0004.89R	SWAR	ULT	UNDEV	2.7
SA	0004.91R	SWAF	EXIST	RES	32.6
SA	0004.91R	SWAR	EXIST	COMM	3.8
SA	0004.91R	SWAR	EXIST	IND	0.4

REGIONAL STORMWATER MASTER PLAN DATA

84	0004.91R	SWAF	EXIST	AG	30.0
84	0004.91R	SWAF	EXIST	UNDERV	32.2
84	0004.91R	SWAF	MID	RES	52.8
84	0004.91R	SWAF	MID	CONN	6.1
84	0004.91R	SWAF	MID	INF	0.6
84	0004.91R	SWAF	MID	AG	19.2
84	0004.91R	SWAF	MID	UNDERV	21.7
84	0004.91R	SWAF	ULT	RES	66.0
84	0004.91R	SWAF	ULT	CONN	12.3
84	0004.91R	SWAF	ULT	IND	3.8
84	0004.91R	SWAF	ULT	AG	15.2
84	0005.01R	SWAF	ULT	UNDERV	2.7
84	0005.01R	SWAF	EXIST	RES	32.6
84	0005.01R	SWAF	EXIST	CONN	3.9
84	0005.01R	SWAF	EXIST	IND	0.4
84	0005.01R	SWAF	EXIST	AG	30.0
84	0005.01R	SWAF	EXIST	UNDERV	33.2
84	0005.01R	SWAF	MID	RES	52.8
84	0005.01R	SWAF	MID	CONN	6.1
84	0005.01R	SWAF	MID	IND	0.6
84	0005.01R	SWAF	MID	AG	19.2
84	0005.01R	SWAF	MID	UNDERV	21.7
84	0005.01R	SWAF	ULT	RES	66.0
84	0005.01R	SWAF	ULT	CONN	12.3
84	0005.01R	SWAF	ULT	IND	3.8
84	0005.01R	SWAF	ULT	AG	15.2
84	0005.01R	SWAF	ULT	UNDERV	2.7
84	0005.09R	SWAF	EXIST	RES	32.6
84	0005.09R	SWAF	EXIST	CONN	3.9
84	0005.09R	SWAF	EXIST	IND	0.4
84	0005.09R	SWAF	EXIST	AG	30.0
84	0005.09R	SWAF	EXIST	UNDERV	33.2
84	0005.09R	SWAF	MID	RES	52.8
84	0005.09R	SWAF	MID	CONN	6.1
84	0005.09R	SWAF	MID	IND	0.6
84	0005.09R	SWAF	MID	AG	19.2
84	0005.09R	SWAF	MID	UNDERV	21.7
84	0005.09R	SWAF	ULT	RES	66.0
84	0005.09R	SWAF	ULT	CONN	12.3
84	0005.09R	SWAF	ULT	IND	3.8
84	0005.09R	SWAF	ULT	AG	15.2
84	0005.09R	SWAF	ULT	UNDERV	2.7
84	0005.14R	SWAF	EXIST	RES	32.6
84	0005.14R	SWAF	EXIST	CONN	3.9
84	0005.14R	SWAF	EXIST	IND	0.4
84	0005.14R	SWAF	EXIST	AG	30.0
84	0005.14R	SWAF	EXIST	UNDERV	33.2
84	0005.14R	SWAF	MID	RES	52.8
84	0005.14R	SWAF	MID	CONN	6.1
84	0005.14R	SWAF	MID	IND	0.6
84	0005.14R	SWAF	MID	AG	19.2
84	0005.14R	SWAF	MID	UNDERV	21.7
84	0005.14R	SWAF	ULT	RES	66.0
84	0005.14R	SWAF	ULT	CONN	12.3
84	0005.14R	SWAF	ULT	IND	3.8
84	0005.14R	SWAF	ULT	AG	15.2
84	0005.14R	SWAF	ULT	UNDERV	2.7

REGIONAL STORMWATER MASTER PLAN DATA

SA	0005.14R	SWAP	ULT	UNDEV	2.7
SA	0005.26R	SWAP	EXIST	RES	32.6
SA	0005.26R	SWAP	EXIST	COMM	3.8
SA	0005.26R	SWAP	EXIST	IND	0.4
SA	0005.26R	SWAP	EXIST	AG	30.0
SA	0005.26R	SWAP	EXIST	UNDEV	33.2
SA	0005.26R	SWAP	MID	RES	52.8
SA	0005.26R	SWAP	MID	COMM	6.1
SA	0005.26R	SWAP	MID	IND	0.6
SA	0005.26R	SWAP	MID	AG	19.2
SA	0005.26R	SWAP	MID	UNDEV	21.3
SA	0005.26R	SWAP	ULT	RES	66.0
SA	0005.26R	SWAP	ULT	COMM	12.3
SA	0005.26R	SWAP	ULT	IND	3.8
SA	0005.26R	SWAP	ULT	AG	15.2
SA	0005.26R	SWAP	ULT	UNDEV	2.7
SA	0005.53R	SWAP	EXIST	RES	32.6
SA	0005.53R	SWAP	EXIST	COMM	3.8
SA	0005.53R	SWAP	EXIST	IND	0.4
SA	0005.53R	SWAP	EXIST	AG	30.0
SA	0005.53R	SWAP	EXIST	UNDEV	33.2
SA	0005.53R	SWAP	MID	RES	52.8
SA	0005.53R	SWAP	MID	COMM	6.1
SA	0005.53R	SWAP	MID	IND	0.6
SA	0005.53R	SWAP	MID	AG	19.2
SA	0005.53R	SWAP	MID	UNDEV	21.3
SA	0005.53R	SWAP	ULT	RES	66.0
SA	0005.53R	SWAP	ULT	COMM	12.3
SA	0005.53R	SWAP	ULT	IND	3.8
SA	0005.53R	SWAP	ULT	AG	15.2
SA	0005.53R	SWAP	ULT	UNDEV	2.7
SA	0005.67R	SWAP	EXIST	RES	32.6
SA	0005.67R	SWAP	EXIST	COMM	3.8
SA	0005.67R	SWAP	EXIST	IND	0.4
SA	0005.67R	SWAP	EXIST	AG	30.0
SA	0005.67R	SWAP	EXIST	UNDEV	33.2
SA	0005.67R	SWAP	MID	RES	52.8
SA	0005.67R	SWAP	MID	COMM	6.1
SA	0005.67R	SWAP	MID	IND	0.6
SA	0005.67R	SWAP	MID	AG	19.2
SA	0005.67R	SWAP	MID	UNDEV	21.3
SA	0005.67R	SWAP	ULT	RES	66.0
SA	0005.67R	SWAP	ULT	COMM	12.3
SA	0005.67R	SWAP	ULT	IND	3.8
SA	0005.67R	SWAP	ULT	AG	15.2
SA	0005.67R	SWAP	ULT	UNDEV	2.7
SA	0005.81R	SWAP	EXIST	RES	32.6
SA	0005.81R	SWAP	EXIST	COMM	3.8
SA	0005.81R	SWAP	EXIST	IND	0.4
SA	0005.81R	SWAP	EXIST	AG	30.0
SA	0005.81R	SWAP	EXIST	UNDEV	33.2
SA	0005.81R	SWAP	MID	RES	52.8
SA	0005.81R	SWAP	MID	COMM	6.1
SA	0005.81R	SWAP	MID	IND	0.6
SA	0005.81R	SWAP	MID	AG	19.2
SA	0005.81R	SWAP	MID	UNDEV	21.3

REGIONAL STORMWATER MASTER PLAN DATA

SA	0007.94P	SWAR	EXIST	IND	0.4
SA	0007.94R	SWAR	EXIST	AG	30.0
SA	0007.94R	SWAR	EXIST	UNDEV	33.2
SA	0007.94R	SWAR	MID	RES	52.8
SA	0007.94R	SWAR	MID	COMM	6.1
SA	0007.94R	SWAR	MID	IND	0.6
SA	0007.94R	SWAR	MID	AG	19.2
SA	0007.94R	SWAR	MID	UNDEV	21.3
SA	0007.94R	SWAR	ULT	RES	66.0
SA	0007.94R	SWAR	ULT	COMM	12.3
SA	0007.94R	SWAR	ULT	IND	3.8
SA	0007.94R	SWAR	ULT	AG	15.2
SA	0007.94R	SWAR	ULT	UNDEV	2.7
SA	0008.11R	SWAR	EXIST	RES	32.6
SA	0008.11R	SWAR	EXIST	COMM	3.8
SA	0008.11P	SWAR	EXIST	IND	0.4
SA	0008.11R	SWAR	EXIST	AG	30.0
SA	0008.11R	SWAR	EXIST	UNDEV	33.2
SA	0008.11R	SWAR	MID	RES	52.8
SA	0008.11R	SWAR	MID	COMM	6.1
SA	0008.11R	SWAR	MID	IND	0.6
SA	0008.11R	SWAR	MID	AG	19.2
SA	0008.11R	SWAR	MID	UNDEV	21.3
SA	0008.11R	SWAR	ULT	RES	66.0
SA	0008.11R	SWAR	ULT	COMM	12.3
SA	0008.11R	SWAR	ULT	IND	3.8
SA	0008.11R	SWAR	ULT	AG	15.2
SA	0008.11R	SWAR	ULT	UNDEV	2.7
SA	0009.35R	SWAR	EXIST	RES	31.2
SA	0009.35P	SWAR	EXIST	COMM	5.7
SA	0009.35P	SWAR	EXIST	IND	10.6
SA	0009.35P	SWAR	EXIST	AG	20.6
SA	0009.35R	SWAR	EXIST	UNDEV	32.0
SA	0009.35P	SWAR	MID	RES	25.6
SA	0009.35P	SWAR	MID	COMM	4.6
SA	0009.35R	SWAR	MID	IND	8.7
SA	0009.35R	SWAR	MID	AG	23.9
SA	0009.35R	SWAR	MID	UNDEV	37.2
SA	0009.35R	SWAR	ULT	RES	53.0
SA	0009.35R	SWAR	ULT	COMM	14.0
SA	0009.35P	SWAR	ULT	IND	26.0
SA	0009.35P	SWAR	ULT	AG	6.0
SA	0009.35P	SWAR	ULT	UNDEV	1.1
SA	0009.45R	SWAR	EXIST	RES	31.2
SA	0009.45P	SWAR	EXIST	COMM	5.7
SA	0009.45R	SWAR	EXIST	IND	10.6
SA	0009.45R	SWAR	EXIST	AG	20.6
SA	0009.45R	SWAR	EXIST	UNDEV	32.0
SA	0009.45R	SWAR	MID	RES	25.6
SA	0009.45P	SWAR	MID	COMM	4.6
SA	0009.45R	SWAR	MID	IND	8.7
SA	0009.45P	SWAR	MID	AG	23.9
SA	0009.45R	SWAR	MID	UNDEV	37.2
SA	0009.45P	SWAR	ULT	RES	53.0
SA	0009.45P	SWAR	ULT	COMM	14.0
SA	0009.45P	SWAR	ULT	IND	26.0

REGIONAL STORMWATER MASTER PLAN DATA

SA	0009.45R	SWAR	ULT	AG	6.0
SA	0009.45R	SWAR	ULT	UNDEV	1.1
SA	0009.50R	SWAR	EXIST	RES	31.2
SA	0009.50R	SWAR	EXIST	COMM	5.7
SA	0009.50R	SWAR	EXIST	IND	10.6
SA	0009.50R	SWAR	EXIST	AG	20.6
SA	0009.50R	SWAR	EXIST	UNDEV	32.0
SA	0009.50R	SWAR	MID	RES	25.6
SA	0009.50R	SWAR	MID	COMM	4.6
SA	0009.50R	SWAR	MID	IND	8.7
SA	0009.50R	SWAR	MID	AG	23.9
SA	0009.50R	SWAR	MID	UNDEV	37.2
SA	0009.50R	SWAR	ULT	RES	53.0
SA	0009.50R	SWAR	ULT	COMM	14.0
SA	0009.50R	SWAR	ULT	IND	26.0
SA	0009.50R	SWAR	ULT	AG	6.0
SA	0009.50R	SWAR	ULT	UNDEV	1.1
SA	0009.98R	SWAR	EXIST	RES	31.2
SA	0009.98R	SWAR	EXIST	COMM	5.7
SA	0009.98R	SWAR	EXIST	IND	10.6
SA	0009.98R	SWAR	EXIST	AG	20.6
SA	0009.98R	SWAR	EXIST	UNDEV	32.0
SA	0009.98R	SWAR	MID	RES	25.6
SA	0009.98R	SWAR	MID	COMM	4.6
SA	0009.98R	SWAR	MID	IND	8.7
SA	0009.98R	SWAR	MID	AG	23.9
SA	0009.98R	SWAR	MID	UNDEV	37.2
SA	0009.98R	SWAR	ULT	RES	53.0
SA	0009.98R	SWAR	ULT	COMM	14.0
SA	0009.98R	SWAR	ULT	IND	26.0
SA	0009.98R	SWAR	ULT	AG	6.0
SA	0009.98R	SWAR	ULT	UNDEV	1.1
SA	0010.10R	SWAR	EXIST	RES	31.2
SA	0010.10R	SWAR	EXIST	COMM	5.7
SA	0010.10R	SWAR	EXIST	IND	10.6
SA	0010.10R	SWAR	EXIST	AG	20.6
SA	0010.10R	SWAR	EXIST	UNDEV	32.0
SA	0010.10R	SWAR	MID	RES	25.6
SA	0010.10R	SWAR	MID	COMM	4.6
SA	0010.10R	SWAR	MID	IND	8.7
SA	0010.10R	SWAR	MID	AG	23.9
SA	0010.10R	SWAR	MID	UNDEV	37.2
SA	0010.10R	SWAR	ULT	RES	53.0
SA	0010.10R	SWAR	ULT	COMM	14.0
SA	0010.10R	SWAR	ULT	IND	26.0
SA	0010.10R	SWAR	ULT	AG	6.0
SA	0010.10R	SWAR	ULT	UNDEV	1.1
SA	0010.97R	SWAR	EXIST	RES	31.2
SA	0010.97R	SWAR	EXIST	COMM	5.7
SA	0010.97R	SWAR	EXIST	IND	10.6
SA	0010.97R	SWAR	EXIST	AG	20.6
SA	0010.97R	SWAR	EXIST	UNDEV	32.0
SA	0010.97R	SWAR	MID	RES	25.6
SA	0010.97R	SWAR	MID	COMM	4.6
SA	0010.97R	SWAR	MID	IND	8.7
SA	0010.97R	SWAR	MID	AG	23.9

REGIONAL STORMWATER MASTER PLAN DATA

SA	0015.97R	SWAR	MID	RES	25.5
SA	0015.97R	SWAR	MID	COMM	4.6
SA	0015.97R	SWAR	MID	IND	30.1
SA	0015.97R	SWAF	MID	AG	29.6
SA	0015.97R	SWAR	MID	UNDEV	10.2
SA	0015.97R	SWAR	ULT	RES	25.5
SA	0015.97R	SWAR	ULT	COMM	9.0
SA	0015.97R	SWAF	ULT	IND	30.1
SA	0015.97R	SWAR	ULT	AG	30.0
SA	0015.97R	SWAR	ULT	UNDEV	5.3
SA	0016.61R	SWAR	EXIST	RES	2.2
SA	0016.61R	SWAR	EXIST	COMM	0.1
SA	0016.61R	SWAR	EXIST	IND	7.5
SA	0016.61R	SWAF	EXIST	AG	67.1
SA	0016.61R	SWAR	EXIST	UNDEV	23.1
SA	0016.61R	SWAR	MID	RES	25.5
SA	0016.61R	SWAR	MID	COMM	4.6
SA	0016.61R	SWAR	MID	IND	30.1
SA	0016.61R	SWAR	MID	AG	29.6
SA	0016.61R	SWAF	MID	UNDEV	10.2
SA	0016.61R	SWAR	ULT	RES	25.5
SA	0016.61R	SWAF	ULT	COMM	9.0
SA	0016.61R	SWAR	ULT	IND	30.1
SA	0016.61R	SWAR	ULT	AG	30.0
SA	0016.61R	SWAR	ULT	UNDEV	5.3
SA	0016.92R	SWAR	EXIST	RES	2.2
SA	0016.92R	SWAR	EXIST	COMM	0.1
SA	0016.92R	SWAR	EXIST	IND	7.5
SA	0016.92R	SWAR	EXIST	AG	67.1
SA	0016.92R	SWAR	EXIST	UNDEV	23.1
SA	0016.92R	SWAR	MID	RES	25.5
SA	0016.92R	SWAR	MID	COMM	4.6
SA	0016.92R	SWAR	MID	IND	30.1
SA	0016.92R	SWAR	MID	AG	29.6
SA	0016.92R	SWAR	MID	UNDEV	10.2
SA	0016.92R	SWAR	ULT	RES	25.5
SA	0016.92R	SWAR	ULT	COMM	9.0
SA	0016.92R	SWAR	ULT	IND	30.1
SA	0016.92R	SWAR	ULT	AG	30.0
SA	0016.92R	SWAR	ULT	UNDEV	5.3
SA	0016.94R	SWAR	EXIST	RES	2.2
SA	0016.94R	SWAF	EXIST	COMM	0.1
SA	0016.94R	SWAF	EXIST	IND	7.5
SA	0016.94R	SWAR	EXIST	AG	67.1
SA	0016.94R	SWAR	EXIST	UNDEV	23.1
SA	0016.94R	SWAR	MID	RES	25.5
SA	0016.94R	SWAR	MID	COMM	4.6
SA	0016.94R	SWAR	MID	IND	30.1
SA	0016.94R	SWAR	MID	AG	29.6
SA	0016.94R	SWAR	MID	UNDEV	10.2
SA	0016.94R	SWAR	ULT	RES	25.5
SA	0016.94R	SWAR	ULT	COMM	9.0
SA	0016.94R	SWAR	ULT	IND	30.1
SA	0016.94R	SWAR	ULT	AG	30.0
SA	0016.94R	SWAR	ULT	UNDEV	5.3
SA	0016.97R	SWAR	EXIST	RES	2.2

REGIONAL STORMWATER MASTER PLAN DATA

SA	0018.87R	SWAR	EXIST	COMM	0.1
SA	0018.87R	SWAR	EXIST	IND	7.5
SA	0018.87R	SWAR	EXIST	AG	67.1
SA	0018.87R	SWAR	EXIST	UNDEV	23.1
SA	0018.87R	SWAR	MID	RES	25.5
SA	0018.87R	SWAR	MID	COMM	4.6
SA	0018.87R	SWAR	MID	IND	30.1
SA	0018.87R	SWAR	MID	AG	29.6
SA	0018.87R	SWAR	MID	UNDEV	10.2
SA	0018.87R	SWAR	ULT	RES	25.5
SA	0018.87R	SWAR	ULT	COMM	9.0
SA	0018.87R	SWAR	ULT	IND	30.1
SA	0018.87R	SWAR	ULT	AG	30.0
SA	0018.87R	SWAR	ULT	UNDEV	5.3
SA	0020.25R	SWAR	EXIST	RES	2.2
SA	0020.25R	SWAR	EXIST	COMM	0.1
SA	0020.25R	SWAR	EXIST	IND	7.5
SA	0020.25R	SWAR	EXIST	AG	67.1
SA	0020.25R	SWAR	EXIST	UNDEV	23.1
SA	0020.25R	SWAR	MID	RES	25.5
SA	0020.25R	SWAR	MID	COMM	4.6
SA	0020.25R	SWAR	MID	IND	30.1
SA	0020.25R	SWAR	MID	AG	29.6
SA	0020.25R	SWAR	MID	UNDEV	10.2
SA	0020.25R	SWAR	ULT	RES	25.5
SA	0020.25R	SWAR	ULT	COMM	9.0
SA	0020.25R	SWAR	ULT	IND	30.1
SA	0020.25R	SWAR	ULT	AG	30.0
SA	0020.25R	SWAR	ULT	UNDEV	5.3
SA	0023.86R	SWAR	EXIST	RES	6.2
SA	0023.86R	SWAR	EXIST	COMM	0.7
SA	0023.86R	SWAR	EXIST	IND	3.9
SA	0023.86R	SWAR	EXIST	AG	57.2
SA	0023.86R	SWAR	EXIST	UNDEV	30.1
SA	0023.86R	SWAR	MID	RES	21.5
SA	0023.86R	SWAR	MID	COMM	3.6
SA	0023.86R	SWAR	MID	IND	15.2
SA	0023.86R	SWAR	MID	AG	36.6
SA	0023.86R	SWAR	MID	UNDEV	23.1
SA	0023.86R	SWAR	ULT	RES	41.4
SA	0023.86R	SWAR	ULT	COMM	7.4
SA	0023.86R	SWAR	ULT	IND	20.7
SA	0023.86R	SWAR	ULT	AG	26.0
SA	0023.86R	SWAR	ULT	UNDEV	4.6
SA	0024.60R	SWAR	EXIST	RES	14.2
SA	0024.60R	SWAR	EXIST	COMM	1.2
SA	0024.60R	SWAR	EXIST	IND	0.2
SA	0024.60R	SWAR	EXIST	AG	47.2
SA	0024.60R	SWAR	EXIST	UNDEV	27.2
SA	0024.60R	SWAR	MID	RES	17.4
SA	0024.60R	SWAR	MID	COMM	2.6
SA	0024.60R	SWAR	MID	IND	0.3
SA	0024.60R	SWAR	MID	AG	43.6
SA	0024.60R	SWAR	MID	UNDEV	36.0
SA	0024.60R	SWAR	ULT	RES	57.2
SA	0024.60R	SWAR	ULT	COMM	5.6

REGIONAL STORMWATER MASTER PLAN DATA

SA	0024.60F	SWAR	ULT	IND	11.2
SA	0024.60R	SWAR	ULT	AG	21.9
SA	0024.60F	SWAR	ULT	UNDEV	3.9
SA	0000.29L	SWAR	EXIST	RES	28.3
SA	0000.29L	SWAR	EXIST	COMM	2.7
SA	0000.29L	SWAR	EXIST	IND	0.8
SA	0000.29L	SWAR	EXIST	AG	0.5
SA	0000.29L	SWAR	EXIST	UNDEV	67.7
SA	0000.29L	SWAR	MID	RES	41.6
SA	0000.29L	SWAR	MID	COMM	4.0
SA	0000.29L	SWAR	MID	IND	1.1
SA	0000.29L	SWAR	MID	AG	0.4
SA	0000.29L	SWAR	MID	UNDEV	52.8
SA	0000.29L	SWAR	ULT	RES	71.2
SA	0000.29L	SWAR	ULT	COMM	6.9
SA	0000.29L	SWAR	ULT	IND	1.9
SA	0000.29L	SWAR	ULT	AG	17.0
SA	0000.29L	SWAR	ULT	UNDEV	3.0
SA	0001.14L	SWAR	EXIST	RES	0.9
SA	0001.14L	SWAR	EXIST	COMM	0.1
SA	0001.14L	SWAR	EXIST	IND	0.1
SA	0001.14L	SWAR	EXIST	AG	70.9
SA	0001.14L	SWAR	EXIST	UNDEV	28.0
SA	0001.14L	SWAR	MID	RES	0.8
SA	0001.14L	SWAR	MID	COMM	0.1
SA	0001.14L	SWAR	MID	IND	0.0
SA	0001.14L	SWAR	MID	AG	71.1
SA	0001.14L	SWAR	MID	UNDEV	28.1
SA	0001.14L	SWAR	ULT	RES	63.7
SA	0001.14L	SWAR	ULT	COMM	5.5
SA	0001.14L	SWAR	ULT	IND	0.0
SA	0001.14L	SWAR	ULT	AG	26.2
SA	0001.14L	SWAR	ULT	UNDEV	4.6
SA	0002.43L	SWAR	EXIST	RES	0.9
SA	0002.43L	SWAR	EXIST	COMM	0.1
SA	0002.43L	SWAR	EXIST	IND	0.1
SA	0002.43L	SWAR	EXIST	AG	70.9
SA	0002.43L	SWAR	EXIST	UNDEV	28.0
SA	0002.43L	SWAR	MID	RES	0.8
SA	0002.43L	SWAR	MID	COMM	0.1
SA	0002.43L	SWAR	MID	IND	0.0
SA	0002.43L	SWAR	MID	AG	71.1
SA	0002.43L	SWAR	MID	UNDEV	28.1
SA	0002.43L	SWAR	ULT	RES	63.7
SA	0002.43L	SWAR	ULT	COMM	5.5
SA	0002.43L	SWAR	ULT	IND	0.0
SA	0002.43L	SWAR	ULT	AG	26.2
SA	0002.43L	SWAR	ULT	UNDEV	4.6
SA	0003.43L	SWAR	EXIST	RES	0.9
SA	0003.43L	SWAR	EXIST	COMM	0.1
SA	0003.43L	SWAR	EXIST	IND	0.1
SA	0003.43L	SWAR	EXIST	AG	70.9
SA	0003.43L	SWAR	EXIST	UNDEV	28.0
SA	0003.43L	SWAR	MID	RES	0.8
SA	0003.43L	SWAR	MID	COMM	0.1
SA	0003.43L	SWAR	MID	IND	0.0

REGIONAL STORMWATER MASTER PLAN DATA

SA	0003.43L	SWAR	MID	AG	71.1
SA	0003.43L	SWAR	MID	UNDEV	28.1
SA	0003.43L	SWAR	ULT	RES	63.7
SA	0003.43L	SWAR	ULT	COMM	5.5
SA	0003.43L	SWAR	ULT	IND	0.0
SA	0003.43L	SWAR	ULT	AG	28.2
SA	0003.43L	SWAR	ULT	UNDEV	4.6
SA	0003.81L	SWAR	EXIST	RES	0.9
SA	0003.81L	SWAR	EXIST	COMM	0.1
SA	0003.81L	SWAR	EXIST	IND	0.1
SA	0003.81L	SWAR	EXIST	AG	84.9
SA	0003.81L	SWAR	EXIST	UNDEV	14.0
SA	0003.81L	SWAR	MID	RES	1.9
SA	0003.81L	SWAR	MID	COMM	0.2
SA	0003.81L	SWAR	MID	IND	0.0
SA	0003.81L	SWAR	MID	AG	83.9
SA	0003.81L	SWAR	MID	UNDEV	14.0
SA	0003.81L	SWAR	ULT	RES	63.7
SA	0003.81L	SWAR	ULT	COMM	5.5
SA	0003.81L	SWAR	ULT	IND	0.0
SA	0003.81L	SWAR	ULT	AG	28.2
SA	0003.81L	SWAR	ULT	UNDEV	4.6
SA	0004.87L	SWAR	EXIST	RES	0.9
SA	0004.87L	SWAR	EXIST	COMM	0.1
SA	0004.87L	SWAR	EXIST	IND	0.1
SA	0004.87L	SWAR	EXIST	AG	98.5
SA	0004.87L	SWAR	EXIST	UNDEV	0.0
SA	0004.87L	SWAR	MID	RES	3.0
SA	0004.87L	SWAR	MID	COMM	0.3
SA	0004.87L	SWAR	MID	IND	0.0
SA	0004.87L	SWAR	MID	AG	95.7
SA	0004.87L	SWAR	MID	UNDEV	0.0
SA	0004.87L	SWAR	ULT	RES	63.7
SA	0004.87L	SWAR	ULT	COMM	5.5
SA	0004.87L	SWAR	ULT	IND	0.0
SA	0004.87L	SWAR	ULT	AG	28.2
SA	0004.87L	SWAR	ULT	UNDEV	4.6
SA	0005.50L	SWAR	EXIST	RES	0.9
SA	0005.50L	SWAR	EXIST	COMM	0.1
SA	0005.50L	SWAR	EXIST	IND	0.1
SA	0005.50L	SWAR	EXIST	AG	98.9
SA	0005.50L	SWAR	EXIST	UNDEV	0.0
SA	0005.50L	SWAR	MID	RES	3.0
SA	0005.50L	SWAR	MID	COMM	0.3
SA	0005.50L	SWAR	MID	IND	0.0
SA	0005.50L	SWAR	MID	AG	95.7
SA	0005.50L	SWAR	MID	UNDEV	0.0
SA	0005.50L	SWAR	ULT	RES	63.7
SA	0005.50L	SWAR	ULT	COMM	5.5
SA	0005.50L	SWAR	ULT	IND	0.0
SA	0005.50L	SWAR	ULT	AG	28.2
SA	0005.50L	SWAR	ULT	UNDEV	4.6
SA	0007.97L	SWAR	EXIST	RES	0.9
SA	0007.97L	SWAR	EXIST	COMM	0.1
SA	0007.97L	SWAR	EXIST	IND	0.1
SA	0007.97L	SWAR	EXIST	AG	98.9

REGIONAL STORMWATER MASTER PLAN DATA

SA	0007,97L	SWAR	EXIST	UNDEV	0.0
SA	0007,97L	SWAR	MID	RES	3.0
SA	0007,97L	SWAR	MID	COMM	0.3
SA	0007,97L	SWAR	MID	IND	0.0
SA	0007,97L	SWAR	MID	AG	96.7
SA	0007,97L	SWAR	MID	UNDEV	0.0
SA	0007,97L	SWAR	ULT	RES	63.7
SA	0007,97L	SWAR	ULT	COMM	5.5
SA	0007,97L	SWAR	ULT	IND	0.0
SA	0007,97L	SWAR	ULT	AG	26.2
SA	0007,97L	SWAR	ULT	UNDEV	4.6
SA	0007,99L	SWAR	EXIST	RES	0.9
SA	0007,99L	SWAP	EXIST	COMM	0.1
SA	0007,99L	SWAR	EXIST	IND	0.1
SA	0007,99L	SWAR	EXIST	AG	98.9
SA	0007,99L	SWAR	EXIST	UNDEV	0.0
SA	0007,99L	SWAR	MID	RES	3.0
SA	0007,99L	SWAR	MID	COMM	0.3
SA	0007,99L	SWAR	MID	IND	0.0
SA	0007,99L	SWAR	MID	AG	96.7
SA	0007,99L	SWAR	MID	UNDEV	0.0
SA	0007,99L	SWAR	ULT	RES	63.7
SA	0007,99L	SWAR	ULT	COMM	5.5
SA	0007,99L	SWAR	ULT	IND	0.0
SA	0007,99L	SWAP	ULT	AG	26.2
SA	0007,99L	SWAR	ULT	UNDEV	4.6
SA	0009,45L	SWAR	EXIST	RES	0.9
SA	0009,45L	SWAR	EXIST	COMM	0.1
SA	0009,45L	SWAR	EXIST	IND	0.1
SA	0009,45L	SWAR	EXIST	AG	98.9
SA	0009,45L	SWAR	EXIST	UNDEV	0.0
SA	0009,45L	SWAR	MID	RES	3.0
SA	0009,45L	SWAR	MID	COMM	0.3
SA	0009,45L	SWAR	MID	IND	0.0
SA	0009,45L	SWAR	MID	AG	96.7
SA	0009,45L	SWAR	MID	UNDEV	0.0
SA	0009,45L	SWAR	ULT	RES	63.7
SA	0009,45L	SWAR	ULT	COMM	5.5
SA	0009,45L	SWAR	ULT	IND	0.0
SA	0009,45L	SWAR	ULT	AG	26.2
SA	0009,45L	SWAR	ULT	UNDEV	4.6
SA	0009,50L	SWAP	EXIST	RES	0.9
SA	0009,50L	SWAR	EXIST	COMM	0.1
SA	0009,50L	SWAR	EXIST	IND	0.1
SA	0009,50L	SWAR	EXIST	AG	98.9
SA	0009,50L	SWAR	EXIST	UNDEV	0.0
SA	0009,50L	SWAP	MID	RES	3.0
SA	0009,50L	SWAP	MID	COMM	0.3
SA	0009,50L	SWAR	MID	IND	0.0
SA	0009,50L	SWAR	MID	AG	96.7
SA	0009,50L	SWAR	MID	UNDEV	0.0
SA	0009,50L	SWAR	ULT	RES	63.7
SA	0009,50L	SWAR	ULT	COMM	5.5
SA	0009,50L	SWAR	ULT	IND	0.0
SA	0009,50L	SWAR	ULT	AG	26.2
SA	0009,50L	SWAR	ULT	UNDEV	4.6

REGIONAL STORMWATER MASTER PLAN DATA

SA	0010.35L	SWAR	EXIST	RES	0.9
SA	0010.35L	SWAR	EXIST	COMM	0.1
SA	0010.35L	SWAR	EXIST	IND	0.1
SA	0010.35L	SWAR	EXIST	AG	98.9
SA	0010.35L	SWAR	EXIST	UNDEV	0.0
SA	0010.35L	SWAR	MID	RES	3.0
SA	0010.35L	SWAR	MID	COMM	0.3
SA	0010.35L	SWAR	MID	IND	0.0
SA	0010.35L	SWAR	MID	AG	96.7
SA	0010.35L	SWAR	MID	UNDEV	0.0
SA	0010.35L	SWAR	ULT	RES	63.7
SA	0010.35L	SWAR	ULT	COMM	5.5
SA	0010.35L	SWAR	ULT	IND	0.0
SA	0010.35L	SWAR	ULT	AG	26.2
SA	0010.35L	SWAR	ULT	UNDEV	4.6
SA	0010.40L	SWAR	EXIST	RES	0.9
SA	0010.40L	SWAR	EXIST	COMM	0.1
SA	0010.40L	SWAR	EXIST	IND	0.1
SA	0010.40L	SWAR	EXIST	AG	98.9
SA	0010.40L	SWAR	EXIST	UNDEV	0.0
SA	0010.40L	SWAR	MID	RES	3.0
SA	0010.40L	SWAR	MID	COMM	0.3
SA	0010.40L	SWAR	MID	IND	0.0
SA	0010.40L	SWAR	MID	AG	96.7
SA	0010.40L	SWAR	MID	UNDEV	0.0
SA	0010.40L	SWAR	ULT	RES	63.7
SA	0010.40L	SWAR	ULT	COMM	5.5
SA	0010.40L	SWAR	ULT	IND	0.0
SA	0010.40L	SWAR	ULT	AG	26.2
SA	0010.40L	SWAR	ULT	UNDEV	4.6
SA	0011.43L	SWAR	EXIST	RES	0.9
SA	0011.43L	SWAR	EXIST	COMM	0.1
SA	0011.43L	SWAR	EXIST	IND	0.1
SA	0011.43L	SWAR	EXIST	AG	98.9
SA	0011.43L	SWAR	EXIST	UNDEV	0.0
SA	0011.43L	SWAR	MID	RES	3.0
SA	0011.43L	SWAR	MID	COMM	0.3
SA	0011.43L	SWAR	MID	IND	0.0
SA	0011.43L	SWAR	MID	AG	96.7
SA	0011.43L	SWAR	MID	UNDEV	0.0
SA	0011.43L	SWAR	ULT	RES	63.7
SA	0011.43L	SWAR	ULT	COMM	5.5
SA	0011.43L	SWAR	ULT	IND	0.0
SA	0011.43L	SWAR	ULT	AG	26.2
SA	0011.43L	SWAR	ULT	UNDEV	4.6
SA	0012.04L	SWAR	EXIST	RES	0.9
SA	0012.04L	SWAR	EXIST	COMM	0.1
SA	0012.04L	SWAR	EXIST	IND	0.1
SA	0012.04L	SWAR	EXIST	AG	98.9
SA	0012.04L	SWAR	EXIST	UNDEV	0.0
SA	0012.04L	SWAR	MID	RES	3.0
SA	0012.04L	SWAR	MID	COMM	0.3
SA	0012.04L	SWAR	MID	IND	0.0
SA	0012.04L	SWAR	MID	AG	96.7
SA	0012.04L	SWAR	MID	UNDEV	0.0
SA	0012.04L	SWAR	ULT	RES	63.7

REGIONAL STORMWATER MASTER PLAN DATA

SA	0012.04L	SWAR	ULT	COMM	5.5
SA	0012.04L	SWAR	ULT	IND	0.0
SA	0012.04L	SWAR	ULT	AG	26.2
SA	0012.04L	SWAR	ULT	UNDEV	4.6
SA	0012.32L	SWAR	EXIST	RES	0.9
SA	0012.32L	SWAR	EXIST	COMM	0.1
SA	0012.32L	SWAR	EXIST	IND	0.1
SA	0012.32L	SWAR	EXIST	AG	98.9
SA	0012.32L	SWAR	EXIST	UNDEV	0.0
SA	0012.32L	SWAR	MID	RES	3.0
SA	0012.32L	SWAR	MID	COMM	0.3
SA	0012.32L	SWAR	MID	IND	0.0
SA	0012.32L	SWAR	MID	AG	96.7
SA	0012.32L	SWAR	MID	UNDEV	0.0
SA	0012.32L	SWAR	ULT	RES	63.7
SA	0012.32L	SWAR	ULT	COMM	5.5
SA	0012.32L	SWAR	ULT	IND	0.0
SA	0012.32L	SWAR	ULT	AG	26.2
SA	0012.32L	SWAR	ULT	UNDEV	4.6
SA	0013.29L	SWAR	EXIST	RES	1.6
SA	0013.29L	SWAR	EXIST	COMM	0.1
SA	0013.29L	SWAR	EXIST	IND	3.8
SA	0013.29L	SWAR	EXIST	AG	69.0
SA	0013.29L	SWAR	EXIST	UNDEV	25.6
SA	0013.29L	SWAR	MID	RES	13.2
SA	0013.29L	SWAR	MID	COMM	2.3
SA	0013.29L	SWAR	MID	IND	15.1
SA	0013.29L	SWAR	MID	AG	50.3
SA	0013.29L	SWAR	MID	UNDEV	19.1
SA	0013.29L	SWAR	ULT	RES	44.6
SA	0013.29L	SWAR	ULT	COMM	7.3
SA	0013.29L	SWAR	ULT	IND	15.1
SA	0013.29L	SWAR	ULT	AG	29.3
SA	0013.29L	SWAR	ULT	UNDEV	5.0
SA	0015.50L	SWAR	EXIST	RES	2.2
SA	0015.50L	SWAR	EXIST	COMM	0.1
SA	0015.50L	SWAR	EXIST	IND	7.5
SA	0015.50L	SWAR	EXIST	AG	67.1
SA	0015.50L	SWAR	EXIST	UNDEV	23.1
SA	0015.50L	SWAR	MID	RES	25.5
SA	0015.50L	SWAR	MID	COMM	4.6
SA	0015.50L	SWAR	MID	IND	30.1
SA	0015.50L	SWAR	MID	AG	29.6
SA	0015.50L	SWAR	MID	UNDEV	10.2
SA	0015.50L	SWAR	ULT	RES	25.5
SA	0015.50L	SWAR	ULT	COMM	9.0
SA	0015.50L	SWAR	ULT	IND	30.1
SA	0015.50L	SWAR	ULT	AG	30.0
SA	0015.50L	SWAR	ULT	UNDEV	5.3
SA	0015.93L	SWAR	EXIST	RES	2.2
SA	0015.93L	SWAR	EXIST	COMM	0.1
SA	0015.93L	SWAR	EXIST	IND	7.5
SA	0015.93L	SWAR	EXIST	AG	67.1
SA	0015.93L	SWAR	EXIST	UNDEV	23.1
SA	0015.93L	SWAR	MID	RES	25.5
SA	0015.93L	SWAR	MID	COMM	4.6

REGIONAL STORMWATER MASTER PLAN DATA

BA	0016.93L	SWAF	MID	IND	30.1
BA	0016.93L	SWAF	MID	AG	29.6
BA	0016.93L	SWAF	MID	UNDEV	10.2
BA	0016.93L	SWAF	ULT	RES	25.5
BA	0016.93L	SWAF	ULT	COMM	9.0
BA	0016.93L	SWAF	ULT	IND	30.1
BA	0016.93L	SWAF	ULT	AG	30.0
BA	0016.93L	SWAF	ULT	UNDEV	5.3
BA	0016.97L	SWAF	EXIST	RES	2.2
BA	0016.97L	SWAF	EXIST	COMM	0.1
BA	0016.97L	SWAF	EXIST	IND	7.5
BA	0016.97L	SWAF	EXIST	AG	67.1
BA	0016.97L	SWAF	EXIST	UNDEV	23.1
BA	0016.97L	SWAF	MID	RES	25.5
BA	0016.97L	SWAF	MID	COMM	4.6
BA	0016.97L	SWAF	MID	IND	30.1
BA	0016.97L	SWAF	MID	AG	29.6
BA	0016.97L	SWAF	MID	UNDEV	10.2
BA	0016.97L	SWAF	ULT	RES	25.5
BA	0016.97L	SWAF	ULT	COMM	9.0
BA	0016.97L	SWAF	ULT	IND	30.1
BA	0016.97L	SWAF	ULT	AG	30.0
BA	0016.97L	SWAF	ULT	UNDEV	5.3
BA	0016.93L	SWAF	EXIST	RES	2.2
BA	0016.93L	SWAF	EXIST	COMM	0.1
BA	0016.93L	SWAF	EXIST	IND	7.5
BA	0016.93L	SWAF	EXIST	AG	67.1
BA	0016.93L	SWAF	EXIST	UNDEV	23.1
BA	0016.93L	SWAF	MID	RES	25.5
BA	0016.93L	SWAF	MID	COMM	4.6
BA	0016.93L	SWAF	MID	IND	30.1
BA	0016.93L	SWAF	MID	AG	29.6
BA	0016.93L	SWAF	MID	UNDEV	10.2
BA	0016.93L	SWAF	ULT	RES	25.5
BA	0016.93L	SWAF	ULT	COMM	9.0
BA	0016.93L	SWAF	ULT	IND	30.1
BA	0016.93L	SWAF	ULT	AG	30.0
BA	0016.93L	SWAF	ULT	UNDEV	5.3
BA	0016.94L	SWAF	EXIST	RES	2.2
BA	0016.94L	SWAF	EXIST	COMM	0.1
BA	0016.94L	SWAF	EXIST	IND	7.5
BA	0016.94L	SWAF	EXIST	AG	67.1
BA	0016.94L	SWAF	EXIST	UNDEV	23.1
BA	0016.94L	SWAF	MID	RES	25.5
BA	0016.94L	SWAF	MID	COMM	4.6
BA	0016.94L	SWAF	MID	IND	30.1
BA	0016.94L	SWAF	MID	AG	29.6
BA	0016.94L	SWAF	MID	UNDEV	10.2
BA	0016.94L	SWAF	ULT	RES	25.5
BA	0016.94L	SWAF	ULT	COMM	9.0
BA	0016.94L	SWAF	ULT	IND	30.1
BA	0016.94L	SWAF	ULT	AG	30.0
BA	0016.94L	SWAF	ULT	UNDEV	5.3
BA	0016.97L	SWAF	EXIST	RES	2.2
BA	0016.97L	SWAF	EXIST	COMM	0.1
BA	0016.97L	SWAF	EXIST	IND	7.5

REGIONAL STORMWATER MASTER PLAN DATA

SA	0018.87L	SWAR	EXIST	AG	67.1
SA	0018.87L	SWAR	EXIST	UNDEV	23.1
SA	0018.87L	SWAR	MID	RES	25.5
SA	0018.87L	SWAR	MID	COMM	4.6
SA	0018.87L	SWAR	MID	IND	30.1
SA	0018.87L	SWAR	MID	AG	29.6
SA	0018.87L	SWAR	MID	UNDEV	10.2
SA	0018.87L	SWAR	ULT	RES	25.5
SA	0018.87L	SWAR	ULT	COMM	9.0
SA	0018.87L	SWAR	ULT	IND	30.1
SA	0018.87L	SWAR	ULT	AG	30.0
SA	0018.87L	SWAR	ULT	UNDEV	5.3
SA	0020.50L	SWAR	EXIST	RES	0.2
SA	0020.50L	SWAR	EXIST	COMM	0.1
SA	0020.50L	SWAR	EXIST	IND	7.5
SA	0020.50L	SWAR	EXIST	AG	67.1
SA	0020.50L	SWAR	EXIST	UNDEV	23.1
SA	0020.50L	SWAR	MID	RES	25.5
SA	0020.50L	SWAR	MID	COMM	4.6
SA	0020.50L	SWAR	MID	IND	30.1
SA	0020.50L	SWAR	MID	AG	29.6
SA	0020.50L	SWAR	MID	UNDEV	10.2
SA	0020.50L	SWAR	ULT	RES	25.5
SA	0020.50L	SWAR	ULT	COMM	9.0
SA	0020.50L	SWAR	ULT	IND	30.1
SA	0020.50L	SWAR	ULT	AG	30.0
SA	0020.50L	SWAR	ULT	UNDEV	5.3
SA	0022.68L	SWAR	EXIST	RES	11.4
SA	0022.68L	SWAR	EXIST	COMM	1.4
SA	0022.68L	SWAR	EXIST	IND	0.6
SA	0022.68L	SWAR	EXIST	AG	68.3
SA	0022.68L	SWAR	EXIST	UNDEV	18.6
SA	0022.68L	SWAR	MID	RES	10.5
SA	0022.68L	SWAR	MID	COMM	2.0
SA	0022.68L	SWAR	MID	IND	0.6
SA	0022.68L	SWAR	MID	AG	66.9
SA	0022.68L	SWAR	MID	UNDEV	18.1
SA	0022.68L	SWAR	ULT	RES	33.5
SA	0022.68L	SWAR	ULT	COMM	3.7
SA	0022.68L	SWAR	ULT	IND	49.4
SA	0022.68L	SWAR	ULT	AG	11.4
SA	0022.68L	SWAR	ULT	UNDEV	0.0
SA	0023.86L	SWAR	EXIST	RES	8.5
SA	0023.86L	SWAR	EXIST	COMM	1.0
SA	0023.86L	SWAR	EXIST	IND	0.5
SA	0023.86L	SWAR	EXIST	AG	61.9
SA	0023.86L	SWAR	EXIST	UNDEV	28.3
SA	0023.86L	SWAR	MID	RES	9.5
SA	0023.86L	SWAR	MID	COMM	1.4
SA	0023.86L	SWAR	MID	IND	0.5
SA	0023.86L	SWAR	MID	AG	60.5
SA	0023.86L	SWAR	MID	UNDEV	27.7
SA	0023.86L	SWAR	ULT	RES	40.5
SA	0023.86L	SWAR	ULT	COMM	4.0
SA	0023.86L	SWAR	ULT	IND	33.1
SA	0023.86L	SWAR	ULT	AG	16.7

REGIONAL STORMWATER MASTER PLAN DATA

SA	0023.86L	SWAR	ULT	UNDEV	2.9
SA	PI00.01	SWAR	EXIST	RES	22.7
SA	PI00.01	SWAR	EXIST	COMM	0.2
SA	PI00.01	SWAR	EXIST	IND	0.0
SA	PI00.01	SWAR	EXIST	AG	0.0
SA	PI00.01	SWAR	EXIST	UNDEV	77.1
SA	PI00.01	SWAR	MID	RES	37.8
SA	PI00.01	SWAR	MID	COMM	0.4
SA	PI00.01	SWAR	MID	IND	0.0
SA	PI00.01	SWAR	MID	AG	0.0
SA	PI00.01	SWAR	MID	UNDEV	61.8
SA	PI00.01	SWAR	ULT	RES	62.4
SA	PI00.01	SWAR	ULT	COMM	2.2
SA	PI00.01	SWAR	ULT	IND	0.0
SA	PI00.01	SWAR	ULT	AG	30.1
SA	PI00.01	SWAR	ULT	UNDEV	5.3
SA	PI00.02	SWAR	EXIST	RES	22.7
SA	PI00.02	SWAR	EXIST	COMM	0.2
SA	PI00.02	SWAR	EXIST	IND	0.0
SA	PI00.02	SWAR	EXIST	AG	0.0
SA	PI00.02	SWAR	EXIST	UNDEV	77.1
SA	PI00.02	SWAR	MID	RES	37.8
SA	PI00.02	SWAR	MID	COMM	0.4
SA	PI00.02	SWAR	MID	IND	0.0
SA	PI00.02	SWAR	MID	AG	0.0
SA	PI00.02	SWAR	MID	UNDEV	61.8
SA	PI00.02	SWAR	ULT	RES	62.4
SA	PI00.02	SWAR	ULT	COMM	2.2
SA	PI00.02	SWAR	ULT	IND	0.0
SA	PI00.02	SWAR	ULT	AG	30.1
SA	PI00.02	SWAR	ULT	UNDEV	5.3
SA	PI00.03	SWAR	EXIST	RES	22.7
SA	PI00.03	SWAR	EXIST	COMM	0.2
SA	PI00.03	SWAR	EXIST	IND	0.0
SA	PI00.03	SWAR	EXIST	AG	0.0
SA	PI00.03	SWAR	EXIST	UNDEV	77.1
SA	PI00.03	SWAR	MID	RES	37.8
SA	PI00.03	SWAR	MID	COMM	0.4
SA	PI00.03	SWAR	MID	IND	0.0
SA	PI00.03	SWAR	MID	AG	0.0
SA	PI00.03	SWAR	MID	UNDEV	61.8
SA	PI00.03	SWAR	ULT	RES	62.4
SA	PI00.03	SWAR	ULT	COMM	2.2
SA	PI00.03	SWAR	ULT	IND	0.0
SA	PI00.03	SWAR	ULT	AG	30.1
SA	PI00.03	SWAR	ULT	UNDEV	5.3
SA	PI00.04	SWAR	EXIST	RES	22.7
SA	PI00.04	SWAR	EXIST	COMM	0.2
SA	PI00.04	SWAR	EXIST	IND	0.0
SA	PI00.04	SWAR	EXIST	AG	0.0
SA	PI00.04	SWAR	EXIST	UNDEV	77.1
SA	PI00.04	SWAR	MID	RES	37.8
SA	PI00.04	SWAR	MID	COMM	0.4
SA	PI00.04	SWAR	MID	IND	0.0
SA	PI00.04	SWAR	MID	AG	0.0
SA	PI00.04	SWAR	MID	UNDEV	61.8

REGIONAL STORMWATER MASTER PLAN DATA

SA	P100.04	SWAR	ULT	RES	62.4
SA	P100.04	SWAR	ULT	COMM	2.2
SA	P100.04	SWAR	ULT	IND	0.0
SA	P100.04	SWAR	ULT	AG	30.1
SA	P100.04	SWAR	ULT	UNDEV	5.3
SA	P100.05	SWAR	EXIST	RES	22.7
SA	P100.05	SWAR	EXIST	COMM	0.2
SA	P100.05	SWAR	EXIST	IND	0.0
SA	P100.05	SWAR	EXIST	AG	0.0
SA	P100.05	SWAR	EXIST	UNDEV	77.1
SA	P100.05	SWAR	MID	RES	37.8
SA	P100.05	SWAR	MID	COMM	0.4
SA	P100.05	SWAR	MID	IND	0.0
SA	P100.05	SWAR	MID	AG	0.0
SA	P100.05	SWAR	MID	UNDEV	61.8
SA	P100.05	SWAR	ULT	RES	62.4
SA	P100.05	SWAR	ULT	COMM	2.2
SA	P100.05	SWAR	ULT	IND	0.0
SA	P100.05	SWAR	ULT	AG	30.1
SA	P100.05	SWAR	ULT	UNDEV	5.3
SA	P100.06	SWAR	EXIST	RES	22.7
SA	P100.06	SWAR	EXIST	COMM	0.2
SA	P100.06	SWAR	EXIST	IND	0.0
SA	P100.06	SWAR	EXIST	AG	0.0
SA	P100.06	SWAR	EXIST	UNDEV	77.1
SA	P100.06	SWAR	MID	RES	37.8
SA	P100.06	SWAR	MID	COMM	0.4
SA	P100.06	SWAR	MID	IND	0.0
SA	P100.06	SWAR	MID	AG	0.0
SA	P100.06	SWAR	MID	UNDEV	61.8
SA	P100.06	SWAR	ULT	RES	62.4
SA	P100.06	SWAR	ULT	COMM	2.2
SA	P100.06	SWAR	ULT	IND	0.0
SA	P100.06	SWAR	ULT	AG	30.1
SA	P100.06	SWAR	ULT	UNDEV	5.3
SA	P100.07	SWAR	EXIST	RES	22.7
SA	P100.07	SWAR	EXIST	COMM	0.2
SA	P100.07	SWAR	EXIST	IND	0.0
SA	P100.07	SWAR	EXIST	AG	0.0
SA	P100.07	SWAR	EXIST	UNDEV	77.1
SA	P100.07	SWAR	MID	RES	37.8
SA	P100.07	SWAR	MID	COMM	0.4
SA	P100.07	SWAR	MID	IND	0.0
SA	P100.07	SWAR	MID	AG	0.0
SA	P100.07	SWAR	MID	UNDEV	61.8
SA	P100.07	SWAR	ULT	RES	62.4
SA	P100.07	SWAR	ULT	COMM	2.2
SA	P100.07	SWAR	ULT	IND	0.0
SA	P100.07	SWAR	ULT	AG	30.1
SA	P100.07	SWAR	ULT	UNDEV	5.3
SA	P100.08	SWAR	EXIST	RES	22.7
SA	P100.08	SWAR	EXIST	COMM	0.2
SA	P100.08	SWAR	EXIST	IND	0.0
SA	P100.08	SWAR	EXIST	AG	0.0
SA	P100.08	SWAR	EXIST	UNDEV	77.1
SA	P100.08	SWAR	MID	RES	37.8

REGIONAL STORMWATER MASTER PLAN DATA

SA	P100.06	SWAR	MID	COMM	0.4
SA	P100.08	SWAR	MID	IND	0.0
SA	P100.08	SWAR	MID	AG	0.0
SA	P100.08	SWAR	MID	UNDEV	61.8
SA	P100.08	SWAR	ULT	RES	62.4
SA	P100.08	SWAR	ULT	COMM	2.2
SA	P100.08	SWAR	ULT	IND	0.0
SA	P100.08	SWAR	ULT	AG	30.1
SA	P100.08	SWAR	ULT	UNDEV	5.3
SA	P100.09	SWAR	EXIST	RES	22.7
SA	P100.09	SWAR	EXIST	COMM	0.2
SA	P100.09	SWAR	EXIST	IND	0.0
SA	P100.09	SWAR	EXIST	AG	0.0
SA	P100.09	SWAR	EXIST	UNDEV	77.1
SA	P100.09	SWAR	MID	RES	37.6
SA	P100.09	SWAR	MID	COMM	0.4
SA	P100.09	SWAR	MID	IND	0.0
SA	P100.09	SWAR	MID	AG	0.0
SA	P100.09	SWAR	MID	UNDEV	61.8
SA	P100.09	SWAR	ULT	RES	62.4
SA	P100.09	SWAR	ULT	COMM	2.2
SA	P100.09	SWAR	ULT	IND	0.0
SA	P100.09	SWAR	ULT	AG	30.1
SA	P100.09	SWAR	ULT	UNDEV	5.3
SA	P100.10	SWAR	EXIST	RES	22.7
SA	P100.10	SWAR	EXIST	COMM	0.2
SA	P100.10	SWAR	EXIST	IND	0.0
SA	P100.10	SWAR	EXIST	AG	0.0
SA	P100.10	SWAR	EXIST	UNDEV	77.1
SA	P100.10	SWAR	MID	RES	37.6
SA	P100.10	SWAR	MID	COMM	0.4
SA	P100.10	SWAR	MID	IND	0.0
SA	P100.10	SWAR	MID	AG	0.0
SA	P100.10	SWAR	MID	UNDEV	61.8
SA	P100.10	SWAR	ULT	RES	62.4
SA	P100.10	SWAR	ULT	COMM	2.2
SA	P100.10	SWAR	ULT	IND	0.0
SA	P100.10	SWAR	ULT	AG	30.1
SA	P100.10	SWAR	ULT	UNDEV	5.3
SA	P100.11	SWAR	EXIST	RES	22.7
SA	P100.11	SWAR	EXIST	COMM	0.2
SA	P100.11	SWAR	EXIST	IND	0.0
SA	P100.11	SWAR	EXIST	AG	0.0
SA	P100.11	SWAR	EXIST	UNDEV	77.1
SA	P100.11	SWAR	MID	RES	37.6
SA	P100.11	SWAR	MID	COMM	0.4
SA	P100.11	SWAR	MID	IND	0.0
SA	P100.11	SWAR	MID	AG	0.0
SA	P100.11	SWAR	MID	UNDEV	61.8
SA	P100.11	SWAR	ULT	RES	62.4
SA	P100.11	SWAR	ULT	COMM	2.2
SA	P100.11	SWAR	ULT	IND	0.0
SA	P100.11	SWAR	ULT	AG	30.1
SA	P100.11	SWAR	ULT	UNDEV	5.3
SA	P100.12	SWAR	EXIST	RES	22.7
SA	P100.12	SWAR	EXIST	COMM	0.2

REGIONAL STORMWATER MASTER PLAN DATA

SA	P100.12	SWAR	EXIST	IND	0.0
SA	P100.12	SWAR	EXIST	AG	0.0
SA	P100.12	SWAR	EXIST	UNDEV	77.1
SA	P100.12	SWAR	MID	RES	37.8
SA	P100.12	SWAR	MID	COMM	0.4
SA	P100.12	SWAR	MID	IND	0.0
SA	P100.12	SWAR	MID	AG	0.0
SA	P100.12	SWAR	MID	UNDEV	61.8
SA	P100.12	SWAR	ULT	RES	62.4
SA	P100.12	SWAR	ULT	COMM	2.2
SA	P100.12	SWAR	ULT	IND	0.0
SA	P100.12	SWAR	ULT	AG	30.1
SA	P100.12	SWAR	ULT	UNDEV	5.3
SA	P100.13	SWAR	EXIST	RES	22.7
SA	P100.13	SWAR	EXIST	COMM	0.2
SA	P100.13	SWAR	EXIST	IND	0.0
SA	P100.13	SWAR	EXIST	AG	0.0
SA	P100.13	SWAR	EXIST	UNDEV	77.1
SA	P100.13	SWAR	MID	RES	37.8
SA	P100.13	SWAR	MID	COMM	0.4
SA	P100.13	SWAR	MID	IND	0.0
SA	P100.13	SWAR	MID	AG	0.0
SA	P100.13	SWAR	MID	UNDEV	61.8
SA	P100.13	SWAR	ULT	RES	62.4
SA	P100.13	SWAR	ULT	COMM	2.2
SA	P100.13	SWAR	ULT	IND	0.0
SA	P100.13	SWAR	ULT	AG	30.1
SA	P100.13	SWAR	ULT	UNDEV	5.3
SA	P100.14	SWAR	EXIST	RES	22.7
SA	P100.14	SWAR	EXIST	COMM	0.2
SA	P100.14	SWAR	EXIST	IND	0.0
SA	P100.14	SWAR	EXIST	AG	0.0
SA	P100.14	SWAR	EXIST	UNDEV	77.1
SA	P100.14	SWAR	MID	RES	37.8
SA	P100.14	SWAR	MID	COMM	0.4
SA	P100.14	SWAR	MID	IND	0.0
SA	P100.14	SWAR	MID	AG	0.0
SA	P100.14	SWAR	MID	UNDEV	61.8
SA	P100.14	SWAR	ULT	RES	62.4
SA	P100.14	SWAR	ULT	COMM	2.2
SA	P100.14	SWAR	ULT	IND	0.0
SA	P100.14	SWAR	ULT	AG	30.1
SA	P100.14	SWAR	ULT	UNDEV	5.3
SA	P100.15	SWAR	EXIST	RES	22.7
SA	P100.15	SWAR	EXIST	COMM	0.2
SA	P100.15	SWAR	EXIST	IND	0.0
SA	P100.15	SWAR	EXIST	AG	0.0
SA	P100.15	SWAR	EXIST	UNDEV	77.1
SA	P100.15	SWAR	MID	RES	37.8
SA	P100.15	SWAR	MID	COMM	0.4
SA	P100.15	SWAR	MID	IND	0.0
SA	P100.15	SWAR	MID	AG	0.0
SA	P100.15	SWAR	MID	UNDEV	61.8
SA	P100.15	SWAR	ULT	RES	62.4
SA	P100.15	SWAR	ULT	COMM	2.2
SA	P100.15	SWAR	ULT	IND	0.0

REGIONAL STORMWATER MASTER PLAN DATA

84	P100.15	SWAR	ULT	AG	30.1
84	P100.15	SWAR	ULT	UNDEV	5.3
84	P100.16	SWAR	EXIST	RES	22.7
84	P100.16	SWAR	EXIST	COMM	0.2
84	P100.16	SWAR	EXIST	IND	0.0
84	P100.16	SWAR	EXIST	AG	0.0
84	P100.16	SWAR	EXIST	UNDEV	77.1
84	P100.16	SWAR	MID	RES	37.8
84	P100.16	SWAR	MID	COMM	0.4
84	P100.16	SWAR	MID	IND	0.0
84	P100.16	SWAR	MID	AG	0.0
84	P100.16	SWAR	MID	UNDEV	61.8
84	P100.16	SWAR	ULT	RES	62.4
84	P100.16	SWAR	ULT	COMM	2.2
84	P100.16	SWAR	ULT	IND	0.0
84	P100.16	SWAR	ULT	AG	30.1
84	P100.16	SWAR	ULT	UNDEV	5.3
84	W002.42P	SWAR	EXIST	RES	2.2
84	W002.42P	SWAR	EXIST	COMM	0.1
84	W002.42P	SWAR	EXIST	IND	7.5
84	W002.42P	SWAR	EXIST	AG	67.1
84	W002.42P	SWAR	EXIST	UNDEV	23.1
84	W002.42P	SWAR	MID	RES	25.5
84	W002.42P	SWAR	MID	COMM	4.6
84	W002.42P	SWAR	MID	IND	30.1
84	W002.42P	SWAR	MID	AG	29.6
84	W002.42P	SWAR	MID	UNDEV	10.2
84	W002.42P	SWAR	ULT	RES	25.5
84	W002.42P	SWAR	ULT	COMM	5.0
84	W002.42P	SWAR	ULT	IND	30.1
84	W002.42P	SWAR	ULT	AG	30.0
84	W002.42P	SWAR	ULT	UNDEV	5.3
84	W002.49P	SWAR	EXIST	RES	3.2
84	W002.49P	SWAR	EXIST	COMM	0.1
84	W002.49P	SWAR	EXIST	IND	7.5
84	W002.49P	SWAR	EXIST	AG	67.1
84	W002.49P	SWAR	EXIST	UNDEV	27.1
84	W002.49P	SWAR	MID	RES	25.5
84	W002.49P	SWAR	MID	COMM	4.6
84	W002.49P	SWAR	MID	IND	30.1
84	W002.49P	SWAR	MID	AG	29.6
84	W002.49P	SWAR	MID	UNDEV	10.2
84	W002.49P	SWAR	ULT	RES	25.5
84	W002.49P	SWAR	ULT	COMM	5.0
84	W002.49P	SWAR	ULT	IND	30.1
84	W002.49P	SWAR	ULT	AG	30.0
84	W002.49P	SWAR	ULT	UNDEV	5.3
84	W003.39P	SWAR	EXIST	RES	2.2
84	W003.39P	SWAR	EXIST	COMM	0.1
84	W003.39P	SWAR	EXIST	IND	7.5
84	W003.39P	SWAR	EXIST	AG	67.1
84	W003.39P	SWAR	EXIST	UNDEV	23.1
84	W003.39P	SWAR	MID	RES	25.5
84	W003.39P	SWAR	MID	COMM	4.6
84	W003.39P	SWAR	MID	IND	30.1
84	W003.39P	SWAR	MID	AG	29.6

REGIONAL STORMWATER MASTER PLAN DATA

SA	W003.39R	SWAR	MID	UNDEV	10.2
SA	W003.39R	SWAR	ULT	RES	23.5
SA	W003.39R	SWAR	ULT	COMM	9.0
SA	W003.39R	SWAR	ULT	IND	30.1
SA	W003.39R	SWAR	ULT	AG	30.0
SA	W003.39R	SWAR	ULT	UNDEV	5.3
SA	W003.40R	SWAR	EXIST	RES	2.2
SA	W003.40R	SWAR	EXIST	COMM	0.1
SA	W003.40R	SWAR	EXIST	IND	7.5
SA	W003.40R	SWAR	EXIST	AG	67.1
SA	W003.40R	SWAR	EXIST	UNDEV	23.1
SA	W003.40R	SWAR	MID	RES	23.5
SA	W003.40R	SWAR	MOD	COMM	4.6
SA	W003.40R	SWAR	MID	IND	30.1
SA	W003.40R	SWAF	MID	AG	29.6
SA	W003.40R	SWAR	MID	UNDEV	10.2
SA	W003.40R	SWAR	ULT	RES	23.5
SA	W003.40R	SWAR	ULT	COMM	9.0
SA	W003.40R	SWAR	ULT	IND	30.1
SA	W003.40R	SWAF	ULT	AG	30.0
SA	W003.40R	SWAR	ULT	UNDEV	5.3
SA	W003.66R	SWAF	EXIST	RES	2.2
SA	W003.66R	SWAR	EXIST	COMM	0.1
SA	W003.66R	SWAR	EXIST	IND	7.5
SA	W003.66R	SWAR	EXIST	AG	67.1
SA	W003.66R	SWAF	EXIST	UNDEV	23.1
SA	W003.66R	SWAR	MID	RES	23.5
SA	W003.66R	SWAR	MOD	COMM	4.6
SA	W003.66R	SWAR	MID	IND	30.1
SA	W003.66R	SWAR	MID	AG	29.6
SA	W003.66R	SWAR	MID	UNDEV	10.2
SA	W003.66R	SWAR	ULT	RES	23.5
SA	W003.66R	SWAR	ULT	COMM	9.0
SA	W003.66R	SWAR	ULT	IND	30.1
SA	W003.66R	SWAR	ULT	AG	30.0
SA	W003.66R	SWAR	ULT	UNDEV	5.3
SA	W003.67R	SWAR	EXIST	RES	2.4
SA	W003.67R	SWAR	EXIST	COMM	0.9
SA	W003.67R	SWAR	EXIST	IND	4.3
SA	W003.67R	SWAR	EXIST	AG	77.9
SA	W003.67R	SWAR	EXIST	UNDEV	11.5
SA	W003.67R	SWAF	MID	RES	16.6
SA	W003.67R	SWAR	MID	COMM	3.0
SA	W003.67R	SWAR	MID	IND	15.5
SA	W003.67R	SWAR	MID	AG	59.2
SA	W003.67R	SWAF	MID	UNDEV	5.1
SA	W003.67R	SWAR	ULT	RES	17.6
SA	W003.67R	SWAR	ULT	COMM	5.0
SA	W003.67R	SWAR	ULT	IND	26.2
SA	W003.67R	SWAR	ULT	AG	15.5
SA	W003.67R	SWAR	ULT	UNDEV	5.5
SA	W003.40L	SWAR	EXIST	RES	1.2
SA	W003.40L	SWAF	EXIST	COMM	0.1
SA	W003.40L	SWAF	EXIST	IND	7.5
SA	W003.40L	SWAR	EXIST	AG	67.1
SA	W003.40L	SWAR	EXIST	UNDEV	23.1

REGIONAL STORMWATER MASTER PLAN DATA

BA	W002.42L	SWAR	MID	RES	25.5
BA	W002.42L	SWAR	MID	COMM	4.6
BA	W002.42L	SWAR	MID	IND	30.1
BA	W002.42L	SWAR	MID	AG	29.6
BA	W002.42L	SWAR	MID	UNDEV	10.2
BA	W002.42L	SWAR	ULT	RES	25.5
BA	W002.42L	SWAR	ULT	COMM	4.6
BA	W002.42L	SWAR	ULT	IND	30.1
BA	W002.42L	SWAR	ULT	AG	30.0
BA	W002.42L	SWAR	ULT	UNDEV	5.3
BA	W002.49L	SWAR	EXIST	RES	2.2
BA	W002.49L	SWAR	EXIST	COMM	0.1
BA	W002.49L	SWAR	EXIST	IND	7.5
BA	W002.49L	SWAR	EXIST	AG	67.1
BA	W002.49L	SWAR	EXIST	UNDEV	23.1
BA	W002.49L	SWAR	MID	RES	25.5
BA	W002.49L	SWAR	MID	COMM	4.6
BA	W002.49L	SWAR	MID	IND	30.1
BA	W002.49L	SWAR	MID	AG	29.6
BA	W002.49L	SWAR	MID	UNDEV	10.2
BA	W002.49L	SWAR	ULT	RES	25.5
BA	W002.49L	SWAR	ULT	COMM	4.6
BA	W002.49L	SWAR	ULT	IND	30.1
BA	W002.49L	SWAR	ULT	AG	30.0
BA	W002.49L	SWAR	ULT	UNDEV	5.3
BA	W003.39L	SWAR	EXIST	RES	2.2
BA	W003.39L	SWAR	EXIST	COMM	0.1
BA	W003.39L	SWAR	EXIST	IND	7.5
BA	W003.39L	SWAR	EXIST	AG	67.1
BA	W003.39L	SWAR	EXIST	UNDEV	23.1
BA	W003.39L	SWAR	MID	RES	25.5
BA	W003.39L	SWAR	MID	COMM	4.6
BA	W003.39L	SWAR	MID	IND	30.1
BA	W003.39L	SWAR	MID	AG	29.6
BA	W003.39L	SWAR	MID	UNDEV	10.2
BA	W003.39L	SWAR	ULT	RES	25.5
BA	W003.39L	SWAR	ULT	COMM	4.6
BA	W003.39L	SWAR	ULT	IND	30.1
BA	W003.39L	SWAR	ULT	AG	30.0
BA	W003.39L	SWAR	ULT	UNDEV	5.3
BA	W003.40L	SWAR	EXIST	RES	2.2
BA	W003.40L	SWAR	EXIST	COMM	0.1
BA	W003.40L	SWAR	EXIST	IND	7.5
BA	W003.40L	SWAR	EXIST	AG	67.1
BA	W003.40L	SWAR	EXIST	UNDEV	23.1
BA	W003.40L	SWAR	MID	RES	25.5
BA	W003.40L	SWAR	MID	COMM	4.6
BA	W003.40L	SWAR	MID	IND	30.1
BA	W003.40L	SWAR	MID	AG	29.6
BA	W003.40L	SWAR	MID	UNDEV	10.2
BA	W003.40L	SWAR	ULT	RES	25.5
BA	W003.40L	SWAR	ULT	COMM	4.6
BA	W003.40L	SWAR	ULT	IND	30.1
BA	W003.40L	SWAR	ULT	AG	30.0
BA	W003.40L	SWAR	ULT	UNDEV	5.3
BA	W003.40L	SWAR	EXIST	RES	2.2

REGIONAL STORMWATER MASTER PLAN DATA

SA	W007.06L	SWAR	EXIST	COMM	0.1
SA	W007.06L	SWAR	EXIST	IND	7.5
SA	W007.06L	SWAR	EXIST	AG	67.1
SA	W007.06L	SWAR	EXIST	UNDEV	13.1
SA	W007.06L	SWAR	MID	RES	28.5
SA	W007.06L	SWAR	MID	COMM	4.6
SA	W007.06L	SWAR	MID	IND	30.1
SA	W007.06L	SWAR	MID	AG	29.6
SA	W007.06L	SWAR	MID	UNDEV	10.2
SA	W007.06L	SWAR	ULT	RES	25.5
SA	W007.06L	SWAR	ULT	COMM	9.0
SA	W007.06L	SWAR	ULT	IND	30.1
SA	W007.06L	SWAR	ULT	AG	30.0
SA	W007.06L	SWAR	ULT	UNDEV	5.3

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COMPUTER PROGRAM FOR PROJECT FORMULATION - HYDROLOGY USER NOTES

THE USERS MANUAL FOR THIS PROGRAM IS THE MAY 1983 DRAFT OF TR-20. CHANGES FROM THE 2/14/74 VERSION INCLUDE:

REACH ROUTING - THE MODIFIED ATT-KIN ROUTING PROCEDURE REPLACES THE CONVEX METHOD. INPUT DATA PREPARED FOR PREVIOUS PROGRAM VERSIONS USING CONVEX ROUTING COEFFICIENTS WILL NOT RUN ON THIS VERSION.

THE PREFERRED TYPE OF DATA ENTRY IS CROSS SECTION DATA REPRESENTATIVE OF A REACH. IT IS RECOMMENDED THAT THE OPTIONAL CROSS SECTION DISCHARGE-AREA PLOTS BE OBTAINED WHENEVER NEW CROSS SECTION DATA IS ENTERED. THE PLOTS SHOULD BE CHECKED FOR REASONABLENESS AND ADEQUACY OF INPUT DATA FOR THE COMPUTATION OF "M" VALUES USED IN THE ROUTING PROCEDURE.

GUIDELINES FOR DETERMINING OR ANALYZING REACH LENGTHS AND COEFFICIENTS (X,M) ARE AVAILABLE IN THE USERS MANUAL. SUMMARY TABLE 2 DISPLAYS REACH ROUTING RESULTS AND ROUTING PARAMETERS FOR COMPARISON AND CHECKING.

HYDROGRAPH GENERATION - THE PROCEDURE TO CALCULATE THE INTERNAL TIME INCREMENT AND PEAK TIME OF THE UNIT HYDROGRAPH HAVE BEEN IMPROVED. PEAK DISCHARGES AND TIMES MAY DIFFER FROM THE PREVIOUS VERSION. OUTPUT HYDROGRAPHS ARE STILL INTERPOLATED, PRINTED, AND ROUTED AT THE USER SELECTED MAIN TIME INCREMENT.

INTERMEDIATE PEAKS - METHOD ADDED TO PROVIDE DISCHARGES AT INTERMEDIATE POINTS WITHIN REACHES WITHOUT ROUTING.

OTHER - THIS VERSION CONTAINS SOME ADDITIONS TO THE INPUT AND NUMEROUS MODIFICATIONS TO THE OUTPUT. USER OPTIONS HAVE BEEN MODIFIED AND AUGMENTED ON THE JOB RECORD, RAINTABLES ADDED, ERROR AND WARNING MESSAGES EXPANDED, AND THE SUMMARY TABLES COMPLETELY REVISED. THE HOLDOUT OPTION IS NOT OPERATIONAL AT THIS TIME.

PROGRAM QUESTIONS OR PROBLEMS SHOULD BE DIRECTED TO HYDRAULIC ENGINEERS AT THE SCS NATIONAL TECHNICAL CENTERS:
CHESTER, PA (NORTHEAST) -- 215-499-3933, FORT WORTH, TX (SOUTH) -- 334-5242 (FTS)
LINCOLN, NB (MIDWEST) -- 541-5318 (FTS), PORTLAND, OR (WEST) -- 423-4099 (FTS)

PROGRAM CHANGES SINCE MAY 1982:

- 12/17/82 - CORRECT PEAK RATE FACTOR FOR USER ENTERED DIMHYD
CORRECT REACH ROUTING PEAK TRAVEL TIME PRINTED WITH FULLPRINT OPTION
- 5/02/83 - CORRECT COMPUTATIONS FOR ---
 1. DIVISION OF BASEFLOW IN DIVERT OPERATION
 2. HYDROGRAPH VOLUME SPLIT BETWEEN BASEFLOW AND ABOVE BASEFLOW
 3. CROSS SECTION DATA PLOTTING POSITION
 4. INTERMEDIATE PEAK WHEN "FROM" AREA IS LARGER THAN "THRU" AREA
 5. STORAGE ROUTED REACH TRAVEL TIME FOR MULTYPEAK HYDROGRAPH
 6. ORDERING "FLOW-FREQ" FILE FROM SUMMARY TABLE #3 DATA
 7. BASEFLOW ENTERED WITH READHYD
 8. LOW FLOW SPLIT DURING DIVERT PROCEDURE #2 WHEN SECTION RATINGS START AT DIFFERENT ELEVATIONS
- ENHANCEMENTS ---
 1. REPLACE USER MANUAL ERROR CODES (PAGE 4-9 TO 4-11) WITH MESSAGES
 2. LABEL OUTPUT HYDROGRAPH FILES WITH CROSS SECTION/STRUCTURE, ALTERNATE AND STORM NO'S
- 09/01/83 - CORRECT INPUT AND OUTPUT ERRORS FOR INTERMEDIATE PEAKS
CORRECT COMBINATION OF RATING TABLES FOR DIVERT
CHECK REACH ROUTING PARAMETERS FOR ACCEPTABLE LIMITS
ELIMINATE MINIMUM REACH TRAVEL TIME WHEN ATT-KIN COEFFICIENT EQUALS ONE

EXECUTIVE CONTROL OPERATION LIST

RECORD ID

LISTING OF CURRENT DATA

XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2 XSECTN 1	1.0000			
8		.00	.00	.00
8		4.95	940.00	760.00
8		6.72	4791.00	2872.00
8		8.25	9402.00	4316.00
8		11.83	28205.00	8173.00
8		13.08	37606.00	9800.00
8		14.11	47008.00	12148.00
9				ENDTBL

XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2 XSECTN 2	1.0000			
8		.00	.00	.00
8		4.18	725.00	3903.00
8		7.03	3623.00	7129.00
8		8.75	7247.00	9721.00
8		12.97	21740.00	19582.00
8		14.36	28986.00	24684.00
8		15.50	36233.00	29275.00
9				ENDTBL

XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2 XSECTN 3	1.0000			
8		.60	.00	.00
8		6.39	685.00	1086.00
8		9.76	3423.00	3700.00
8		11.75	6846.00	5615.00
8		16.36	20537.00	11443.00
8		17.61	27382.00	13346.00
8		18.64	34228.00	14998.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 4	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	.50	.00	.00	
8	7.39	649.00	656.00	
8	11.56	3246.00	1943.00	
8	13.92	6492.00	3266.00	
8	19.36	19475.00	7458.00	
8	20.81	25966.00	9278.00	
8	21.92	32458.00	11245.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 5	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	.00	.00	.00	
8	8.39	636.00	327.00	
8	14.25	3182.00	1512.00	
8	17.06	6364.00	2712.00	
8	23.20	19091.00	6400.00	
8	25.03	25454.00	9129.00	
8	26.43	31818.00	12272.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 6	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	12.50	.00	.00	
8	18.19	449.00	709.00	
8	22.29	2246.00	1820.00	
8	24.82	4492.00	2776.00	
8	30.23	13476.00	8048.00	
8	31.66	17968.00	10758.00	
8	32.67	22460.00	13089.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 7	1.0000		
	ELEVATION	DISCHARGE	END AREA	

8	16.90	.00	.00
8	20.90	290.00	257.00
8	24.70	1452.00	956.00
8	27.50	2905.00	1758.00
8	33.40	8714.00	4634.00
8	35.10	11618.00	6004.00
8	36.50	14523.00	7385.00
9	ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 8	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		37.40	.00	.00
8		38.05	237.00	71.00
8		39.36	1185.00	728.00
8		40.33	2370.00	1676.00
8		42.43	7109.00	4458.00
8		43.15	9478.00	5607.00
8		73.78	11848.00	6699.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 9	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		38.40	.00	.00
8		42.27	203.00	432.00
8		44.27	1017.00	1506.00
8		45.44	2034.00	2462.00
8		47.87	6102.00	5265.00
8		48.65	8136.00	6405.00
8		49.31	10170.00	7462.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 10	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		46.20	.00	.00
8		50.09	187.00	350.00
8		51.93	937.00	1256.00
8		52.97	1874.00	2159.00
8		54.98	5622.00	5535.00
8		55.61	7496.00	7208.00
8		56.14	9370.00	9064.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	11	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		51.50	.00	.00
8		55.70	138.00	84.00
8		60.27	691.00	998.00
8		61.55	1383.00	4912.00
8		62.92	4148.00	9915.00
8		64.10	5530.00	14871.00
8		64.23	6913.00	15453.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	12	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		59.00	.00	.00
8		63.15	102.00	68.00
8		68.44	508.00	231.00
8		71.94	1016.00	387.00
8		72.74	3049.00	4318.00
8		72.88	4066.00	5057.00
8		73.09	5083.00	6164.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	13	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		5.00	.00	.00
8		7.58	145.00	184.00
8		12.04	726.00	1131.00
8		14.60	1451.00	2033.00
6		20.22	4353.00	4939.00
8		21.78	5804.00	6177.00
8		22.97	7255.00	7409.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	14	1.0000		
		ELEVATION	DISCHARGE	END AREA

0	11.00	.00	.00
0	12.07	136.00	24.00
0	13.90	679.00	79.00
0	15.32	1358.00	133.00
0	21.10	4073.00	459.00
0	22.75	5430.00	1084.00
0	24.03	6788.00	2087.00

9 ENDTBL

XSECTN NO. DRAINAGE AREA
2 XSECTN 15 1.0000

	ELEVATION	DISCHARGE	END AREA
0	19.40	.00	.00
0	20.54	79.00	119.00
0	22.16	496.00	306.00
0	23.58	991.00	488.00
0	27.40	2973.00	1056.00
0	28.48	3964.00	1237.00
0	29.34	4955.00	1623.00

9 ENDTBL

XSECTN NO. DRAINAGE AREA
2 XSECTN 16 1.0000

	ELEVATION	DISCHARGE	END AREA
0	19.90	.00	.00
0	20.79	84.00	92.00
0	22.66	422.00	307.00
0	24.17	844.00	500.00
0	28.01	2531.00	1075.00
0	29.16	3374.00	1312.00
0	30.06	4218.00	2031.00

9 ENDTBL

XSECTN NO. DRAINAGE AREA
2 XSECTN 17 1.0000

	ELEVATION	DISCHARGE	END AREA
0	28.02	.00	.00
0	30.16	60.00	37.00
0	32.56	292.00	106.00
0	34.20	596.00	170.00
0	36.02	1787.00	2440.00
0	36.68	2382.00	4242.00
0	36.69	2978.00	4243.00

8	43.10	.00	.00
8	44.63	48.00	91.00
8	45.94	242.00	402.00
8	46.56	484.00	689.00
8	47.60	1452.00	1409.00
8	47.99	1936.00	1749.00
8	48.35	2420.00	2110.00
9	ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 22	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		50.00	.00	.00
8		50.70	32.00	66.00
8		50.84	162.00	97.00
8		51.05	325.00	148.00
8		51.65	974.00	364.00
8		51.94	1298.00	508.00
8		52.16	1623.00	627.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 23	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		22.00	.00	.00
8		23.84	48.00	32.00
8		25.52	238.00	132.00
8		27.07	475.00	267.00
8		32.78	1425.00	890.00
8		34.51	1900.00	1115.00
8		35.91	2375.00	1312.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 24	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		28.00	.00	.00
8		30.14	42.00	40.00
8		31.75	211.00	151.00
8		32.71	422.00	234.00
8		35.13	1256.00	471.00
8		36.33	1688.00	601.00
8		37.48	2110.00	733.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2	XSECTN 25	1.0000			
8			29.50	.00	.00
8			31.42	38.00	34.00
8			33.14	188.00	143.00
8			34.04	376.00	219.00
8			36.43	1127.00	450.00
8			37.48	1502.00	561.00
8			38.49	1878.00	676.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2	XSECTN 26	1.0000			
8			32.00	.00	.00
8			33.40	28.00	22.00
8			35.13	141.00	100.00
8			35.95	283.00	168.00
8			38.23	848.00	379.00
8			39.17	1130.00	474.00
8			40.18	1413.00	583.00

9 ENDTBL

		TIME INCREMENT	(INPUT VALUE OF .022 NOT EQUAL TO COMPUTED VALUE; COMPUTED VALUE USED.)		
4	DIMHYD	.0222			
8		.0000	.1500	.3200	.6000
8		1.0000	.9600	.9800	.7800
8		.5900	.5200	.4800	.4300
8		.3500	.3200	.2900	.2600
8		.2100	.2000	.1900	.1800
8		.1600	.1500	.1400	.1300
8		.1100	.1000	.0900	.0800
8		.0600	.0500	.0450	.0400
8		.0300	.0250	.0200	.0150
8		.0000	.0000	.0000	.0000

9 ENDTBL

COMPUTED PEAK RATE FACTOR = 256.08

TABLE NO.	TIME INCREMENT				
5 RAINFL 1	.2500				
8	.0000	.0020	.0050	.0070	.0100
8	.0120	.0150	.0170	.0200	.0230
8	.0260	.0280	.0310	.0340	.0370
8	.0400	.0430	.0470	.0500	.0530
8	.0570	.0600	.0640	.0680	.0720
8	.0760	.0800	.0850	.0890	.0940
8	.1000	.1070	.1150	.1220	.1300
8	.1390	.1480	.1570	.1670	.1780
8	.1890	.2020	.2160	.2320	.2500
8	.2710	.2980	.3390	.5000	.6620
8	.7020	.7290	.7510	.7690	.7850
8	.7990	.8110	.8230	.8340	.8440
8	.8530	.8620	.8700	.8780	.8860
8	.8930	.9000	.9070	.9110	.9160
8	.9200	.9250	.9290	.9330	.9360
8	.9400	.9440	.9470	.9510	.9540
8	.9570	.9600	.9630	.9660	.9690
8	.9720	.9750	.9780	.9810	.9830
8	.9860	.9880	.9910	.9930	.9960
8	.9990	1.0000	1.0000	1.0000	1.0000
9 ENDTBL					

TABLE NO.	TIME INCREMENT				
5 RAINFL 2	1.0000				
8	.0000	.2300	.9900	1.7400	1.9300
8	2.0100	2.4800	2.5100	2.5100	2.5800
8	3.0700	3.2800	3.4500	3.6500	3.9000
8	4.1900	4.7100	5.2100	5.8300	6.1200
8	6.3400	6.7200	6.8000	7.2500	7.4300
8	7.7000	7.8800	7.9900	8.0400	8.1200
8	8.2700	8.3500	8.4600	8.5100	8.5500
8	8.7900	10.2500	12.5800	12.8700	13.1100
8	13.1900	13.2700	13.2900	13.3200	13.3200
9 ENDTBL					

TABLE NO.	TIME INCREMENT				
5 RAINFL 3	1.0000				
8	.0000	.2200	.6000	.6800	1.1300
8	1.3100	1.5500	1.7600	1.8700	1.9200
8	2.0000	2.1500	2.2300	2.3400	2.3900

8	2.4300	2.6700	4.1300	6.4600	6.7500
8	6.9900	7.0700	7.1500	7.1700	7.2000
8	7.2000	.0000	.0000	.0000	.0000
9	ENDTBL				

TABLE NO. TIME INCREMENT
5 RAINFL 4 .5000

8	.0000	.0040	.0080	.0120	.0160
8	.0200	.0250	.0300	.0350	.0400
8	.0450	.0500	.0550	.0600	.0650
8	.0700	.0750	.0810	.0870	.0930
8	.0990	.1050	.1110	.1180	.1250
8	.1320	.1400	.1480	.1560	.1650
8	.1740	.1840	.1950	.2070	.2200
8	.2360	.2550	.2770	.3030	.4090
8	.5150	.5490	.5830	.6050	.6240
8	.6400	.6550	.6690	.6820	.6940
8	.7050	.7160	.7270	.7380	.7480
8	.7580	.7670	.7760	.7840	.7920
8	.8000	.8080	.8160	.8230	.8300
8	.8370	.8440	.8510	.8580	.8640
8	.8700	.8760	.8820	.8880	.8940
8	.9000	.9060	.9110	.9160	.9210
8	.9260	.9310	.9360	.9410	.9460
8	.9510	.9560	.9610	.9660	.9710
8	.9760	.9800	.9840	.9880	.9920
8	.9960	1.0000	1.0000	1.0000	1.0000
9	ENDTBL				

TABLE NO. TIME INCREMENT
5 RAINFL 5 .5000

8	.0000	.0020	.0050	.0080	.0110
8	.0140	.0170	.0200	.0230	.0260
8	.0290	.0320	.0350	.0380	.0410
8	.0440	.0470	.0510	.0550	.0590
8	.0630	.0670	.0710	.0750	.0790
8	.0840	.0890	.0940	.0990	.1040
8	.1090	.1140	.1200	.1260	.1330
8	.1400	.1470	.1540	.1620	.1710
8	.1810	.1920	.2040	.2170	.2330
8	.2520	.2770	.3180	.6380	.6980
8	.7290	.7520	.7700	.7850	.7980
8	.8090	.8190	.8290	.8380	.8460
8	.8540	.8610	.8680	.8740	.8800
8	.8860	.8920	.8970	.9020	.9070

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8	.9120	.9170	.9210	.9250	.9290
8	.9330	.9370	.9410	.9450	.9490
8	.9530	.9570	.9600	.9630	.9660
8	.9690	.9720	.9750	.9780	.9810
8	.9840	.9870	.9900	.9930	.9960
8	.9980	1.0000	1.0000	1.0000	1.0000
9	ENDTBL				

TABLE NO.	TIME INCREMENT				
5 RAINFL 6	.0200				

8	.0000	.0080	.0162	.0246	.0333
8	.0425	.0524	.0630	.0743	.0863
8	.0990	.1124	.1265	.1420	.1595
8	.1800	.2050	.2550	.3450	.4370
8	.5300	.6030	.6330	.6600	.6840
8	.7050	.7240	.7420	.7590	.7750
8	.7900	.8043	.8180	.8312	.8439
8	.8561	.8678	.8790	.8898	.9002
8	.9103	.9201	.9297	.9391	.9483
8	.9573	.9661	.9747	.9832	.9916
8	1.0000	1.0000	1.0000	1.0000	1.0000
9	ENDTBL				

STANDARD CONTROL INSTRUCTIONS

6	RUNOFF	1	12	7	20.3300	73.0000	6.31001	0	0	0	0	1
6	REACH	3	11	7	6	16280.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	11	5	7.3200	74.0000	4.09001	0	0	0	0	1
6	ADDHYD	4	11	5	6	7		1	0	0	0	1
6	REACH	3	10	7	6	6950.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	10	5	9.8300	74.0000	3.81001	0	0	0	0	1
6	ADDHYD	4	10	5	6	7		1	0	0	0	1
6	REACH	3	9	7	6	9626.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	9	5	3.2000	74.0000	3.19001	0	0	0	0	1
6	ADDHYD	4	9	6	5	7		1	0	0	0	1
6	REACH	3	8	7	5	19251.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	8	7	6.7100	74.0000	5.27001	0	0	0	0	1
6	ADDHYD	4	8	7	5	6		1	0	0	0	1
6	SAVMOV	5	8	6	1							
6	RUNOFF	1	26	7	5.6500	73.0000	4.95001	0	0	0	0	1
6	REACH	3	25	7	6	4700.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	25	5	1.8600	73.0000	3.25001	0	0	0	0	1
6	ADDHYD	4	25	6	5	7		1	0	0	0	1
6	REACH	3	24	7	5	4200.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	24	6	.9300	73.0000	2.31001	0	0	0	0	1
6	ADDHYD	4	24	5	6	7		1	0	0	0	1
6	REACH	3	23	7	5	5400.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	23	6	1.0600	74.0000	2.31001	0	0	0	0	1
6	ADDHYD	4	23	5	6	7		1	0	0	0	1
6	SAVMOV	5	23	7	4							
6	ADDHYD	4	9	4	1	5		1	0	0	0	1
6	REACH	3	7	5	6	5142.0000	.0000	.00000	0	0	0	1
6	RUNOFF	1	7	7	1.2000	73.0000	2.21001	0	0	0	0	1
6	ADDHYD	4	7	7	6	5		1	0	0	0	1
6	SAVMOV	5	7	5	1							
6	RUNOFF	1	22	7	6.4900	73.0000	4.71001	0	0	0	0	1
6	REACH	3	21	7	6	5850.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	21	5	3.1900	73.0000	4.02001	0	0	0	0	1
6	ADDHYD	4	21	5	6	7		1	0	0	0	1
6	REACH	3	20	7	5	12050.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	20	7	7.4400	73.0000	3.46001	0	0	0	0	1
6	ADDHYD	4	20	5	7	6		1	0	0	0	1
6	REACH	3	19	6	5	11850.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	19	7	3.3500	74.0000	3.32001	0	0	0	0	1
6	ADDHYD	4	19	7	5	6		1	0	0	0	1
6	SAVMOV	5	19	6	3							
6	ADDHYD	4	7	3	1	7		1	0	0	0	1
6	REACH	3	6	7	5	14250.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	6	6	11.2900	73.0000	6.40001	0	0	0	0	1
6	ADDHYD	4	6	5	6	7		1	0	0	0	1

EXECUTIVE CONTROL OPERATION INCREM MAIN TIME INCREMENT = .25 HOURS RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 1 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 8.20 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 0 STORM NO.= 0 MAIN TIME INCREMENT = .25 HOURS

OPERATION RUNOFF CROSS SECTION 12

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.10	4545.20	(RUNOFF)

OPERATION REACH CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
28.34	2295.18	62.00

OPERATION RUNOFF CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.22	2336.39	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.68	2442.29	62.07
24.89	3024.99	62.36

OPERATION REACH CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
26.84	2983.07	53.56

OPERATION RUNOFF CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.98	3320.40	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.39	4802.66	54.54

OPERATION REACH CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.50	4417.50	46.86

OPERATION RUNOFF CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.47	1234.82	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.55	5102.59	47.27

OPERATION REACH CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
24.67	4504.28	41.28

OPERATION RUNOFF CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.21	1766.91	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
22.10	5463.78	41.70

OPERATION RUNOFF CROSS SECTION 26

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.96	1522.40	(RUNOFF)

OPERATION REACH CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.47	1512.91	37.51

OPERATION RUNOFF CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.52	690.37	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.97	2088.02	39.05

OPERATION REACH CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.44	2077.72	37.39

OPERATION RUNOFF CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.76	445.35	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.23	2365.57	38.18

OPERATION REACH CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.27	2288.62	35.66

OPERATION RUNOFF CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.76	520.59	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.02	2578.66	36.51

OPERATION ADDHYD CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.32	7386.49	42.51

OPERATION RUNOFF CROSS SECTION 7

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.65	596.10	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.04	7545.79	32.21

OPERATION RUNOFF CROSS SECTION 22

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.76	1816.03	(RUNOFF)

OPERATION REACH CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.23	1690.69	47.79

OPERATION RUNOFF CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.17	1007.01	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.62	2569.81	48.46

OPERATION REACH CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.12	2224.90	40.85

OPERATION RUNOFF CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.70	2632.00	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.48	3983.47	41.88

OPERATION REACH CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.61	3895.23	31.41

OPERATION RUNOFF CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.57	1256.12	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.90	4697.07	32.35

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.06	12066.37	35.32

OPERATION REACH CROSS SECTION 6

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.53	11425.16	29.00

OPERATION RUNOFF CROSS SECTION 6

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
17.17 2494.45 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 6

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
20.87 13332.03 30.14

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
22.12 13200.61 20.36

OPERATION RUNOFF CROSS SECTION 5

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.29 2586.35 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.52 14492.62 20.98

OPERATION RUNOFF CROSS SECTION 18

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
13.34 280.05 (RUNOFF)

*** WARNING REACH 17 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 17

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
13.70 275.67 32.33

OPERATION RUNOFF CROSS SECTION 17

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.73 3366.47 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.61	3544.78	36.70

OPERATION REACH CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.64	3417.91	29.21

OPERATION RUNOFF CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.81	1748.09	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.15	4934.93	30.82

OPERATION REACH CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.61	4909.36	29.30

OPERATION RUNOFF CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.99	1056.08	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.41	5843.14	30.11

OPERATION REACH CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.88	5812.43	23.11

OPERATION RUNOFF CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.69	2258.93	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.63	7962.18	25.14

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 13 BY 702.0 CFS

OPERATION REACH CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.61	7135.64	22.87

OPERATION RUNOFF CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.35	791.21	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.45	7586.00	23.24

*** WARNING REACH 5 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.45	7586.00	17.65

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.18	21265.96	23.83

OPERATION REACH CROSS SECTION 4

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.18 21078.58 19.72

OPERATION RUNOFF CROSS SECTION 4

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
14.00 1143.08 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 4

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.09 21467.04 19.81

OPERATION REACH CROSS SECTION 3

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
22.15 21252.15 16.49

OPERATION RUNOFF CROSS SECTION 3

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.50 2177.64 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 3

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.92 22376.71 16.70

OPERATION REACH CROSS SECTION 2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
24.54 21109.19 12.79

OPERATION RUNOFF CROSS SECTION 2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.54 2040.52 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 2

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JOB 1 PASS 1
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PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
24.31	22186.27	13.06

OPERATION REACH CROSS SECTION 1

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
25.34	22026.59	10.65

OPERATION RUNOFF CROSS SECTION 1

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.86	6841.24	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 1

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
24.47	27508.51	11.70

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 1 RECORD ID

EXECUTIVE CONTROL OPERATION ENDJOB RECORD ID

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
	ALTERNATE	0	STORM	0									
XSECTION 12	RUNOFF	20.33	1	2	.25	.0	8.20	24.00	4.99	---	17.10	4545.20	223.6
XSECTION 11	REACH	20.33	1	2	.25	.0	8.20	24.00	4.90	62.00	26.34	2295.18	112.9
XSECTION 11	RUNOFF	7.32	1	2	.25	.0	8.20	24.00	5.10	---	15.22	2338.40	319.5
XSECTION 11	ADDHYD	27.65	1	2	.25	.0	8.20	24.00	4.96	62.36	24.89	3024.99	109.4
XSECTION 10	REACH	27.65	1	2	.25	.0	8.20	24.00	4.94	53.56	26.84	2983.06	107.9
XSECTION 10	RUNOFF	9.83	1	2	.25	.0	8.20	24.00	5.11	---	14.98	3320.40	337.8
XSECTION 10	ADDHYD	37.48	1	2	.25	.0	8.20	24.00	4.98	54.54	16.39	4802.66	128.1
XSECTION 9	REACH	37.48	1	2	.25	.0	8.20	24.00	4.97	46.86	19.50	4417.50	117.9
XSECTION 9	RUNOFF	3.20	1	2	.25	.0	8.20	24.00	5.10	---	14.47	1234.82	385.9
XSECTION 9	ADDHYD	40.68	1	2	.25	.0	8.20	24.00	4.98	47.27	18.55	5102.59	125.4
XSECTION 8	REACH	40.68	1	2	.25	.0	8.20	24.00	4.95	41.28	24.67	4504.28	110.7
XSECTION 8	RUNOFF	6.71	1	2	.25	.0	8.20	24.00	5.10	---	16.21	1766.91	263.3
XSECTION 8	ADDHYD	47.39	1	2	.25	.0	8.20	24.00	4.98	41.70	22.10	5463.78	115.3
XSECTION 26	RUNOFF	5.65	1	2	.25	.0	8.20	24.00	4.99	---	15.96	1522.40	269.5
XSECTION 25	REACH	5.65	1	2	.25	.0	8.20	24.00	4.99	37.31	16.47	1512.91	267.8
XSECTION 25	RUNOFF	1.86	1	2	.25	.0	8.20	24.00	4.99	---	14.52	690.37	371.2
XSECTION 25	ADDHYD	7.51	1	2	.25	.0	8.20	24.00	4.99	39.05	15.97	2088.02	275.0
XSECTION 24	REACH	7.51	1	2	.25	.0	8.20	24.00	4.99	37.39	16.44	2077.72	276.7
XSECTION 24	RUNOFF	.93	1	2	.25	.0	8.20	24.00	4.99	---	13.76	445.35	478.9
XSECTION 24	ADDHYD	6.44	1	2	.25	.0	8.20	24.00	4.99	38.18	16.23	2365.57	280.3
XSECTION 23	REACH	6.44	1	2	.25	.0	8.20	24.00	4.99	35.66	17.27	2288.62	271.2
XSECTION 23	RUNOFF	1.06	1	2	.25	.0	8.20	24.00	5.10	---	13.76	520.59	491.1
XSECTION 23	ADDHYD	9.50	1	2	.25	.0	8.20	24.00	5.00	36.51	17.02	2578.66	271.4
XSECTION 8	ADDHYD	56.89	1	2	.25	.0	8.20	24.00	4.98	42.51	19.32	7386.49	129.8
XSECTION 7	REACH	56.89	1	2	.25	.0	8.20	24.00	4.97	32.02	20.31	7353.41	129.3
XSECTION 7	RUNOFF	1.20	1	2	.25	.0	8.20	24.00	4.99	---	13.65	596.10	496.8
XSECTION 7	ADDHYD	58.09	1	2	.25	.0	8.20	24.00	4.97	32.21	20.04	7345.79	129.9
XSECTION 22	RUNOFF	6.49	1	2	.25	.0	8.20	24.00	4.99	---	15.76	1816.03	279.8
XSECTION 21	REACH	6.49	1	2	.25	.0	8.20	24.00	4.99	47.79	17.23	1690.69	260.5
XSECTION 21	RUNOFF	3.19	1	2	.25	.0	8.20	24.00	4.99	---	15.17	1007.01	315.7
XSECTION 21	ADDHYD	9.68	1	2	.25	.0	8.20	24.00	4.99	46.46	16.62	2569.51	265.5
XSECTION 20	REACH	9.68	1	2	.25	.0	8.20	24.00	4.99	40.85	19.12	2224.90	229.8

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE				
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)	
	ALTERNATE	0	STORM	0										
XSECTION	20	RUNOFF	7.44	1	2	.25	.0	8.20	24.00	4.99	---	14.70	2632.00	353.8
XSECTION	20	ADDHYD	17.12	1	2	.25	.0	8.20	24.00	4.99	41.88	17.48	3983.47	232.7
XSECTION	19	REACH	17.12	1	2	.25	.0	8.20	24.00	4.99	31.41	18.61	3895.23	227.5
XSECTION	19	RUNOFF	3.35	1	2	.25	.0	8.20	24.00	5.11	---	14.57	1256.12	375.0
XSECTION	19	ADDHYD	20.47	1	2	.25	.0	8.20	24.00	5.01	32.35	17.90	4697.07	229.5
XSECTION	7	ADDHYD	78.56	1	2	.25	.0	8.20	24.00	4.98	35.32	19.06	12066.37	153.6
XSECTION	6	REACH	78.56	1	2	.25	.0	8.20	24.00	4.97	29.00	21.53	11425.16	145.4
XSECTION	6	RUNOFF	11.28	1	2	.25	.0	8.20	24.00	4.99	---	17.17	2494.45	221.1
XSECTION	6	ADDHYD	89.84	1	2	.25	.0	8.20	24.00	4.97	30.14	20.87	13332.03	148.4
XSECTION	5	REACH	89.84	1	2	.25	.0	8.20	24.00	4.97	20.36	22.12	13200.61	146.9
XSECTION	5	RUNOFF	8.41	1	2	.25	.0	8.20	24.00	4.99	---	15.29	2586.35	307.5
XSECTION	5	ADDHYD	98.25	1	2	.25	.0	8.20	24.00	4.97	20.98	21.52	14492.62	147.5
XSECTION	18	RUNOFF	.46	1	2	.25	.0	8.20	24.00	5.22	---	13.34	280.05	608.8
XSECTION	17	REACH	.46	1	2	.25	.0	8.20	24.00	5.22	32.33	13.70	275.67	599.3
XSECTION	17	RUNOFF	11.45	1	2	.25	.0	8.20	24.00	5.22	---	15.73	3366.47	294.0
XSECTION	17	ADDHYD	11.91	1	2	.25	.0	8.20	24.00	5.22	36.70	15.61	3544.78	297.6
XSECTION	16	REACH	11.91	1	2	.25	.0	8.20	24.00	5.22	29.21	16.64	3417.81	287.0
XSECTION	16	RUNOFF	4.96	1	2	.25	.0	8.20	24.00	5.10	---	14.81	1748.09	352.4
XSECTION	16	ADDHYD	16.87	1	2	.25	.0	8.20	24.00	5.19	30.82	16.15	4934.93	292.5
XSECTION	15	REACH	16.87	1	2	.25	.0	8.20	24.00	5.19	29.30	16.61	4909.36	291.0
XSECTION	15	RUNOFF	2.95	1	2	.25	.0	8.20	24.00	5.46	---	14.99	1056.08	358.0
XSECTION	15	ADDHYD	19.82	1	2	.25	.0	8.20	24.00	5.23	30.11	16.41	5843.14	294.8
XSECTION	14	REACH	19.82	1	2	.25	.0	8.20	24.00	5.23	23.11	16.88	5812.43	293.3
XSECTION	14	RUNOFF	7.33	1	2	.25	.0	8.20	24.00	5.46	---	15.69	2258.93	308.2
XSECTION	14	ADDHYD	27.15	1	2	.25	.0	8.20	24.00	5.29	25.14	16.63	7962.18	293.3
XSECTION	13	REACH	27.15	1	2	.25	.0	8.20	24.00	5.29	22.87	18.61	7135.64	262.8
XSECTION	13	RUNOFF	1.87	1	2	.25	.0	8.20	24.00	5.46	---	14.35	791.21	423.1
XSECTION	13	ADDHYD	29.02	1	2	.25	.0	8.20	24.00	5.30	23.24	18.45	7586.00	261.4
XSECTION	5	REACH	29.02	1	2	.25	.0	8.20	24.00	5.30	17.65	18.45	7586.00	261.4
XSECTION	5	ADDHYD	127.27	1	2	.25	.0	8.20	24.00	5.05	23.83	20.18	21265.96	167.1
XSECTION	4	REACH	127.27	1	2	.25	.0	8.20	24.00	5.04	19.72	21.18	21078.58	165.6
XSECTION	4	RUNOFF	2.56	1	2	.25	.0	8.20	24.00	5.10	---	14.00	1143.08	446.5
XSECTION	4	ADDHYD	129.83	1	2	.25	.0	8.20	24.00	5.04	19.81	21.09	21469.04	165.4
XSECTION	3	REACH	129.83	1	2	.25	.0	8.20	24.00	5.04	16.49	22.15	21252.15	163.7
XSECTION	3	RUNOFF	7.08	1	2	.25	.0	8.20	24.00	5.22	---	15.50	2177.64	307.6
XSECTION	3	ADDHYD	136.91	1	2	.25	.0	8.20	24.00	5.05	16.70	21.92	22376.71	163.4

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
	ALTERNATE	Q	STORM	Q									
XSECTION	2 REACH	136.91	1	2	.25	.0	8.20	24.00	5.04	12.79	24.54	21109.19	154.2
XSECTION	2 RUNOFF	8.02	1	2	.25	.0	8.20	24.00	5.22	---	16.54	2040.52	254.4
XSECTION	2 ADDHYD	144.93	1	2	.25	.0	8.20	24.00	5.05	13.06	24.31	22186.27	153.1
XSECTION	1 REACH	144.93	1	2	.25	.0	8.20	24.00	5.04	10.65	25.34	22026.59	152.0
XSECTION	1 RUNOFF	43.10	1	2	.25	.0	8.20	24.00	4.99	---	19.86	6541.24	153.7
XSECTION	1 ADDHYD	188.03	1	2	.25	.0	8.20	24.00	5.03	11.70	24.47	27508.51	146.3

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

XSEC	REACH	HYDROGRAPH INFORMATION								ROUTING PARAMETERS							PEAK		
		INFLOW		OUTFLOW		OUTFLOW+		BASE- FLOW	VOLUME ABOVE BASE	MAIN TIME (HR)	ITER- ATION #	G AND A		LENGTH FACTOR	PEAK RATIO O/I	S/D @PEAK (SEC)	ATT- KIN COEFF (C)	TRAVEL TIME	
ID	LENGTH (FT)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)					COEFF (X)	POWER (M)					PEAK (Q)	STOR- AGE (HR)
	ALTERNATE	0	STORM	0															
11	16280	4544	17.0	2295	28.3	3025	25.0	0	4.99	.25	2	.160	1.09	.824	.505	39800	.02	9.25	11.34
10	6950	3025	25.0	2983	26.8	4801	15.5	0	4.96	.25	1	.134	1.24	.038	.986	6030	.14	1.25	1.68
9	9626	4801	16.5	4418	19.5	5102	18.5	0	4.98	.25	1	.037	1.40	.039	.920	6390	.13	3.00	1.80
8	19251	5102	18.5	4504	24.8	5463	22.0	0	4.98	.25	1	1.54	1.00	.136	.883	12518	.07	6.25	3.48
25	4700	1522	16.0	1513	16.5	2088	16.0	0	4.99	.25	1	.178	1.43	.010	.994	1227	.54	.50	.34
24	4200	2088	16.0	2077	16.5	2366	16.3	0	4.99	.25	1	.249	1.37	.010	.995	1065	.59	.50	.30
23	5400	2366	16.3	2289	17.3	2579	17.0	0	4.99	.25	1	.854	1.10	.055	.967	2704	.29	1.00	.75
7	5142	7386	19.3	7353	20.3	7546	20.0	0	4.98	.25	1	.512	1.15	.018	.996	2415	.31	1.00	.67
21	5850	1816	15.8	1691	17.3	2568	16.5	0	4.99	.25	1	.055	1.40	.057	.951	3829	.21	1.50	1.07
20	12050	2568	16.5	2224	19.0	3983	17.5	0	4.99	.25	1	.018	1.53	.125	.866	7324	.12	2.50	2.08
19	11850	3983	17.5	3894	18.5	4696	18.0	0	4.99	.25	2	3.15	1.00	.076	.978	3761	.21	1.00	1.04
6	14250	12066	19.0	11425	21.5	13330	20.8	0	4.98	.25	1	.134	1.28	.061	.947	6651	.13	2.50	1.86
5	10870	13330	20.8	13199	22.0	14493	21.5	0	4.97	.25	1	.551	1.19	.029	.990	3312	.24	1.25	.92
17	3014	279	13.3	275	13.8	3542	15.5	0	5.22	.25	1	.246	1.52	.012	.988	720	.77?	.50	.20
16	9120	3542	15.5	3416	16.8	4532	16.3	0	5.22	.25	2	.141	1.40	.034	.964	2596	.30	1.25	.72
15	4960	4932	16.3	4906	16.5	5841	16.5	0	5.19	.25	1	.138	1.42	.010	.995	1144	.56	.25	.32
14	4997	5841	16.5	5808	17.0	7957	16.8	0	5.23	.25	1	4.35	1.00	.028	.994	1149	.56	.50	.32
13	6796	7957	16.8	7133	18.5	7585	18.5	0	5.29	.25	1	.155	1.21	.112	.896	5653	.15	1.75	1.58
5	1000	7585	18.5	7585	18.5	---	---	0	5.30	.25	0	.821	1.14	.005	1.000	361	1.00?	.00	.00
4	9955	21265	20.3	21077	21.3	21467	21.0	0	5.05	.25	1	.111	1.35	.019	.991	2758	.28	1.00	.77
3	8415	21467	21.0	21250	22.3	22375	22.0	0	5.04	.25	1	.012	1.54	.015	.990	2988	.26	1.25	.83
2	16026	22375	22.0	21109	24.5	22186	24.3	0	5.05	.25	2	.000	1.86	.049	.943	7669	.11	2.50	2.16
1	15000	22186	24.3	22025	25.3	27508	24.5	0	5.05	.25	1	.015	1.59	.012	.993	3019	.26	1.00	.84

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 0
XSECTION 1	188.03	
ALTERNATE 0		27508.51
XSECTION 2	144.93	
ALTERNATE 0		22186.27
XSECTION 3	136.91	
ALTERNATE 0		22376.71
XSECTION 4	129.83	
ALTERNATE 0		21469.04
XSECTION 5	127.27	
ALTERNATE 0		21265.96
XSECTION 6	89.84	
ALTERNATE 0		13332.03
XSECTION 7	76.56	
ALTERNATE 0		12066.37
XSECTION 8	56.89	
ALTERNATE 0		7386.49
XSECTION 9	40.68	
ALTERNATE 0		5102.59
XSECTION 10	37.48	
ALTERNATE 0		4802.66
XSECTION 11	27.65	
ALTERNATE 0		3024.99
XSECTION 12	20.33	
ALTERNATE 0		4545.20
XSECTION 13	29.02	
ALTERNATE 0		7386.00
XSECTION 14	27.15	
ALTERNATE 0		7962.18

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 0
<u>XSECTION 15</u>	<u>19.82</u>	
ALTERNATE 0		5843.14
<u>XSECTION 16</u>	<u>16.87</u>	
ALTERNATE 0		4934.93
<u>XSECTION 17</u>	<u>11.91</u>	
ALTERNATE 0		3544.78
<u>XSECTION 18</u>	<u>.46</u>	
ALTERNATE 0		280.05
<u>XSECTION 19</u>	<u>20.47</u>	
ALTERNATE 0		4697.07
<u>XSECTION 20</u>	<u>17.12</u>	
ALTERNATE 0		3983.47
<u>XSECTION 21</u>	<u>9.68</u>	
ALTERNATE 0		2569.81
<u>XSECTION 22</u>	<u>6.49</u>	
ALTERNATE 0		1816.03
<u>XSECTION 23</u>	<u>9.50</u>	
ALTERNATE 0		2578.66
<u>XSECTION 24</u>	<u>8.44</u>	
ALTERNATE 0		2365.57
<u>XSECTION 25</u>	<u>7.51</u>	
ALTERNATE 0		2088.02
<u>XSECTION 26</u>	<u>5.65</u>	
ALTERNATE 0		1522.40

END OF 1 JOBS IN THIS RUN

RUN 2

TR20 XEQ 10-03-91 03:47 DSO CREEK RUN 1990DEV. 100YR.
 REV PC 09/83(1.2)

JOB 1 PASS 1
 PAGE 2

EXECUTIVE CONTROL OPERATION LIST

RECORD ID

LISTING OF CURRENT DATA

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 1	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		.00	.00	.00
8		4.05	940.00	760.00
8		6.72	4701.00	2872.00
8		8.25	9402.00	4316.00
8		11.83	28205.00	8173.00
8		13.08	37606.00	9800.00
8		14.11	47008.00	12148.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 2	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		.00	.00	.00
8		4.18	725.00	3903.00
8		7.03	3623.00	7129.00
8		8.75	7247.00	9721.00
8		12.97	21740.00	19582.00
8		14.36	28986.00	24884.00
8		15.50	36233.00	29275.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 3	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		.60	.00	.00
8		6.39	685.00	1086.00
8		9.76	3423.00	3700.00
8		11.75	6846.00	5615.00
8		16.36	20537.00	11443.00
8		17.61	27382.00	13346.00
8		18.64	34228.00	14998.00

9 ENDTBL

XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2 XSECTN 4	1.0000			
8		.50	.00	.00
8		7.39	649.00	656.00
8		11.56	3246.00	1943.00
8		13.92	6492.00	3266.00
8		19.36	19475.00	7458.00
8		20.81	25966.00	9278.00
8		21.92	32458.00	11245.00

9 ENDTBL

XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2 XSECTN 5	1.0000			
8		.00	.00	.00
8		8.39	636.00	327.00
8		14.25	3182.00	1512.00
8		17.06	6364.00	2712.00
8		23.20	19091.00	6400.00
8		25.03	25454.00	9129.00
8		26.43	31519.00	12272.00

9 ENDTBL

XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2 XSECTN 6	1.0000			
8		12.50	.00	.00
8		18.19	445.00	709.00
8		22.29	2246.00	1820.00
8		24.82	4492.00	2776.00
8		30.23	13476.00	8048.00
8		31.66	17968.00	10758.00
8		32.67	22460.00	13089.00

9 ENDTBL

XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2 XSECTN 7	1.0000			

8	16.90	.00	.00
8	20.90	290.00	257.00
8	24.70	1452.00	956.00
8	27.50	2905.00	1758.00
8	33.40	8714.00	4634.00
8	35.10	11618.00	6004.00
8	36.50	14523.00	7385.00
9	ENDTBL		

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 8	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		37.40	.00	.00
8		38.05	237.00	71.00
8		39.36	1185.00	728.00
8		40.33	2370.00	1676.00
8		42.43	7109.00	4458.00
8		43.15	9478.00	5607.00
8		73.78	11848.00	6699.00
9	ENDTBL			

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 9	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		38.40	.00	.00
8		42.27	203.00	432.00
8		44.27	1017.00	1506.00
8		45.44	2034.00	2462.00
8		47.87	6102.00	5265.00
8		48.65	8136.00	6405.00
8		49.31	10170.00	7462.00
9	ENDTEL			

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 10	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		46.20	.00	.00
8		50.09	187.00	350.00
8		51.93	937.00	1256.00
8		52.97	1874.00	2159.00
8		54.98	5622.00	5535.00
8		55.61	7496.00	7208.00
8		56.14	9370.00	9064.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 11	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		51.50	.00	.00
8		55.70	138.00	84.00
8		60.27	691.00	998.00
8		61.55	1383.00	4912.00
8		62.92	4148.00	9915.00
8		64.10	5530.00	14871.00
8		64.23	6913.00	15453.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 12	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		59.00	.00	.00
8		63.15	102.00	68.00
8		68.44	508.00	231.00
8		71.94	1016.00	387.00
8		72.74	3049.00	4318.00
8		72.88	4066.00	5057.00
8		73.09	5083.00	6164.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 13	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		5.00	.00	.00
8		7.58	145.00	184.00
8		12.04	726.00	1131.00
8		14.60	1451.00	2033.00
8		20.22	4353.00	4939.00
8		21.78	5804.00	6177.00
8		22.97	7255.00	7409.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 14	1.0000		
		ELEVATION	DISCHARGE	END AREA

8	11.00	.00	.00
8	12.07	136.00	24.00
8	13.90	679.00	79.00
8	15.32	1358.00	133.00
8	21.10	4073.00	459.00
8	22.75	5430.00	1084.00
8	24.03	6788.00	2087.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	15	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	19.40	.00	.00	
8	20.54	99.00	119.00	
8	22.16	496.00	306.00	
8	23.53	991.00	488.00	
8	27.40	2973.00	1056.00	
8	28.48	3964.00	1237.00	
8	29.34	4955.00	1623.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	16	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	19.90	.00	.00	
8	20.79	84.00	92.00	
8	22.66	422.00	307.00	
8	24.17	844.00	500.00	
8	28.01	2531.00	1075.00	
8	29.16	3374.00	1312.00	
8	30.06	4218.00	2031.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	17	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	28.02	.00	.00	
8	30.16	60.00	37.00	
8	32.56	298.00	106.00	
8	34.20	596.00	170.00	
8	36.02	1787.00	2440.00	
8	36.68	2382.00	4242.00	
8	36.69	2978.00	4243.00	

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 18	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		31.60	.00	.00
8		31.72	2.00	1.00
8		32.89	12.00	14.00
8		34.62	23.00	46.00
8		36.28	69.00	90.00
8		36.89	92.00	110.00
8		36.90	115.00	111.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 19	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		25.00	.00	.00
8		26.09	102.00	24.00
8		27.10	512.00	88.00
8		27.76	1024.00	153.00
8		30.11	3071.00	525.00
8		31.72	4094.00	1433.00
8		32.79	5118.00	2615.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 20	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		37.80	.00	.00
8		38.68	86.00	261.00
8		39.42	428.00	743.00
8		39.91	856.00	1152.00
8		41.09	2568.00	2383.00
8		41.57	3424.00	2986.00
8		42.04	4280.00	3640.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 21	1.0000		
		ELEVATION	DISCHARGE	END AREA

8	43.10	.00	.00
8	44.63	48.00	91.00
8	45.94	242.00	402.00
8	46.56	484.00	689.00
8	47.60	1452.00	1409.00
8	47.99	1936.00	1749.00
8	48.35	2420.00	2110.00
9 ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	22	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		50.00	.00	.00
8		50.70	32.00	66.00
8		50.84	162.00	97.00
8		51.05	325.00	148.00
8		51.65	974.00	364.00
8		51.94	1298.00	508.00
8		52.16	1623.00	627.00
9 ENDTBL				

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	23	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		22.00	.00	.00
8		23.84	48.00	32.00
8		25.52	238.00	132.00
8		27.07	475.00	267.00
8		32.78	1425.00	890.00
8		34.51	1900.00	1115.00
8		35.91	2375.00	1312.00
9 ENDTBL				

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	24	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		28.00	.00	.00
8		30.14	42.00	40.00
8		31.75	211.00	151.00
8		32.71	422.00	234.00
8		35.13	1266.00	471.00
8		36.33	1688.00	601.00
8		37.48	2110.00	733.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 25	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	29.50	.00	.00	
8	31.42	38.00	34.00	
8	33.14	188.00	143.00	
8	34.04	376.00	219.00	
8	36.43	1127.00	450.00	
8	37.48	1502.00	561.00	
8	38.49	1878.00	676.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 26	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	32.00	.00	.00	
8	33.40	28.00	22.00	
8	35.13	141.00	100.00	
8	35.95	283.00	168.00	
8	38.23	848.00	379.00	
8	39.17	1130.00	474.00	
8	40.18	1413.00	583.00	

9 ENDTBL

4 DIMHYD TIME INCREMENT .0222 (INPUT VALUE OF .022 NOT EQUAL TO COMPUTED VALUE; COMPUTED VALUE USED.)

8	.0000	.1500	.3200	.6000	.9300
8	1.0000	.9600	.8800	.7800	.6900
8	.5900	.5200	.4800	.4300	.3900
8	.3500	.3200	.2900	.2600	.2300
8	.2100	.2000	.1900	.1800	.1700
8	.1600	.1500	.1400	.1300	.1200
8	.1100	.1000	.0900	.0800	.0700
8	.0600	.0500	.0450	.0400	.0350
8	.0300	.0250	.0200	.0150	.0100
8	.0000	.0000	.0000	.0000	.0000

9 ENDTBL

COMPUTED PEAK RATE FACTOR = 256.08

TABLE NO.	TIME INCREMENT				
5 RAINFL 1	.2500				
8	.0000	.0020	.0050	.0070	.0100
8	.0120	.0150	.0170	.0200	.0230
8	.0260	.0280	.0310	.0340	.0370
8	.0400	.0430	.0470	.0500	.0530
8	.0570	.0600	.0640	.0680	.0720
8	.0760	.0800	.0850	.0890	.0940
8	.1000	.1070	.1150	.1220	.1300
8	.1390	.1480	.1570	.1670	.1780
8	.1890	.2020	.2160	.2320	.2500
8	.2710	.2980	.3390	.5000	.6620
8	.7020	.7290	.7510	.7690	.7850
8	.7990	.8110	.8230	.8340	.8440
8	.8530	.8620	.8700	.8780	.8860
8	.8930	.9000	.9070	.9110	.9160
8	.9200	.9250	.9290	.9330	.9360
8	.9400	.9440	.9470	.9510	.9540
8	.9570	.9600	.9630	.9660	.9690
8	.9720	.9750	.9780	.9810	.9830
8	.9860	.9880	.9910	.9930	.9960
8	.9990	1.0000	1.0000	1.0000	1.0000
9 ENDTBL					

TABLE NO.	TIME INCREMENT				
5 RAINFL 2	1.0000				
8	.0000	.2300	.9900	1.7400	1.9300
8	2.0100	2.4800	2.5100	2.5100	2.5800
8	3.0700	3.2800	3.4500	3.6500	3.9000
8	4.1900	4.7100	5.2100	5.8300	6.1200
8	6.3400	6.7200	6.8000	7.2500	7.4300
8	7.7000	7.8900	7.9900	8.0400	8.1200
8	8.2700	8.3500	8.4600	8.5100	8.5500
8	8.7900	10.2500	12.5800	12.8700	13.1100
8	13.1900	13.2700	13.2900	13.3200	13.3200
9 ENDTBL					

TABLE NO.	TIME INCREMENT				
5 RAINFL 3	1.0000				
8	.0000	.2200	.6000	.6800	1.1300
8	1.3100	1.5800	1.7600	1.8700	1.9200
8	2.0000	2.1500	2.2300	2.3400	2.3900

8	2.4300	2.6700	4.1300	6.4600	6.7500
8	6.9900	7.0700	7.1500	7.1700	7.2000
8	7.2000	.0000	.0000	.0000	.0000

9 ENDTBL

TABLE NO. TIME INCREMENT
5 RAINFL 4 .5000

8	.0000	.0040	.0080	.0120	.0160
8	.0200	.0250	.0300	.0350	.0400
8	.0450	.0500	.0550	.0600	.0650
8	.0700	.0750	.0810	.0870	.0930
8	.0990	.1050	.1110	.1180	.1250
8	.1320	.1400	.1480	.1560	.1650
8	.1740	.1840	.1950	.2070	.2200
8	.2360	.2550	.2770	.3030	.4090
8	.5150	.5490	.5830	.6050	.6240
8	.6400	.6550	.6690	.6820	.6940
8	.7050	.7160	.7270	.7380	.7480
8	.7580	.7670	.7760	.7840	.7920
8	.8000	.8080	.8160	.8230	.8300
8	.8370	.8440	.8510	.8580	.8640
8	.8700	.8760	.8820	.8880	.8940
8	.9000	.9060	.9110	.9160	.9210
8	.9260	.9310	.9360	.9410	.9460
8	.9510	.9560	.9610	.9660	.9710
8	.9760	.9800	.9840	.9880	.9920
8	.9960	1.0000	1.0000	1.0000	1.0000

9 ENDTBL

TABLE NO. TIME INCREMENT
5 RAINFL 5 .5000

8	.0000	.0020	.0050	.0080	.0110
8	.0140	.0170	.0200	.0230	.0260
8	.0290	.0320	.0350	.0380	.0410
8	.0440	.0470	.0510	.0550	.0590
8	.0630	.0670	.0710	.0750	.0790
8	.0840	.0890	.0940	.0990	.1040
8	.1090	.1140	.1200	.1260	.1330
8	.1400	.1470	.1540	.1620	.1710
8	.1810	.1920	.2040	.2170	.2330
8	.2520	.2770	.3180	.6380	.6980
8	.7290	.7520	.7700	.7850	.7980
8	.8090	.8190	.8290	.8390	.8460
8	.8540	.8610	.8680	.8740	.8800
8	.8860	.8920	.8970	.9020	.9070

8	.9120	.9170	.9210	.9250	.9290
8	.9330	.9370	.9410	.9450	.9490
8	.9530	.9570	.9600	.9630	.9660
8	.9690	.9720	.9750	.9780	.9810
8	.9840	.9870	.9900	.9930	.9960
8	.9980	1.0000	1.0000	1.0000	1.0000

9 ENDTBL

TABLE NO. TIME INCREMENT
5 RAINFL 6 .0200

8	.0000	.0080	.0162	.0246	.0333
8	.0425	.0524	.0630	.0743	.0863
8	.0990	.1124	.1265	.1420	.1595
8	.1800	.2050	.2550	.3450	.4370
8	.5300	.6030	.6330	.6600	.6840
8	.7050	.7240	.7420	.7590	.7750
8	.7900	.8043	.8180	.8312	.8439
8	.8561	.8678	.8790	.8898	.9002
8	.9103	.9201	.9297	.9391	.9483
8	.9573	.9661	.9747	.9832	.9916
8	1.0000	1.0000	1.0000	1.0000	1.0000

9 ENDTBL

STANDARD CONTROL INSTRUCTIONS

6	RUNOFF	1	12	7	20.3300	73.0000	6.31001	0	0	0	0	1	
6	REACH	3	11	7	6	16280.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	11	5	7.3200	74.0000	4.09001	0	0	0	0	1	
6	ADDHYD	4	11	5	6	7		1	0	0	0	0	1
6	REACH	3	10	7	6	6950.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	10	5	9.8300	74.0000	3.81001	0	0	0	0	1	
6	ADDHYD	4	10	5	6	7		1	0	0	0	0	1
6	REACH	3	9	7	6	9626.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	9	5	3.2000	74.0000	3.19001	0	0	0	0	1	
6	ADDHYD	4	9	6	5	7		1	0	0	0	0	1
6	REACH	3	8	7	5	19251.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	8	7	6.7100	74.0000	5.27001	0	0	0	0	1	
6	ADDHYD	4	8	7	5	6		1	0	0	0	0	1
6	SAVMOV	5	8	6	1								
6	RUNOFF	1	26	7	5.6500	73.0000	4.95001	0	0	0	0	1	
6	REACH	3	25	7	6	4700.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	25	5	1.8600	73.0000	3.25001	0	0	0	0	1	
6	ADDHYD	4	25	6	5	7		1	0	0	0	0	1
6	REACH	3	24	7	5	4200.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	24	6	.9300	73.0000	2.31001	0	0	0	0	1	
6	ADDHYD	4	24	5	6	7		1	0	0	0	0	1
6	REACH	3	23	7	5	5400.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	23	6	1.0600	74.0000	2.31001	0	0	0	0	1	
6	ADDHYD	4	23	5	6	7		1	0	0	0	0	1
6	SAVMOV	5	23	7	4								
6	ADDHYD	4	8	4	1	5		1	0	0	0	0	1
6	REACH	3	7	5	6	5142.0000	.0000	.00000	0	0	0	0	1
6	RUNOFF	1	7	7	1.2000	73.0000	2.21001	0	0	0	0	1	
6	ADDHYD	4	7	7	6	5		1	0	0	0	0	1
6	SAVMOV	5	7	5	1								
6	RUNOFF	1	22	7	6.4700	73.0000	4.71001	0	0	0	0	1	
6	REACH	3	21	7	6	5850.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	21	5	3.1900	73.0000	4.02001	0	0	0	0	1	
6	ADDHYD	4	21	5	6	7		1	0	0	0	0	1
6	REACH	3	20	7	5	12050.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	20	7	7.4400	73.0000	3.46001	0	0	0	0	1	
6	ADDHYD	4	20	5	7	6		1	0	0	0	0	1
6	REACH	3	19	6	5	11850.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	19	7	3.3500	74.0000	3.32001	0	0	0	0	1	
6	ADDHYD	4	19	7	5	6		1	0	0	0	0	1
6	SAVMOV	5	19	6	3								
6	ADDHYD	4	7	3	1	7		1	0	0	0	0	1
6	REACH	3	6	7	5	14250.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	6	6	11.2800	73.0000	6.40001	0	0	0	0	1	
6	ADDHYD	4	6	5	6	7		1	0	0	0	0	1

6 REACH	3	5	7	6	10870.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	5		5	8.4100	73.0000	4.16001	0	0	0	0	1
6 ADDHYD	4	5	6	5				1	0	0	0	1
6 SAVMOV	5	5	7	1								
6 RUNOFF	1	18		7	.4600	75.0000	1.79001	0	0	0	0	1
6 REACH	3	17	7	6	3014.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	17		7	11.4500	75.0000	4.71001	0	0	0	0	1
6 ADDHYD	4	17	7	6				1	0	0	0	1
6 REACH	3	16	5	7	9120.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	16		6	4.9600	74.0000	3.60001	0	0	0	0	1
6 ADDHYD	4	16	6	7				1	0	0	0	1
6 REACH	3	15	5	7	4960.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	15		6	2.9500	77.0000	3.88001	0	0	0	0	1
6 ADDHYD	4	15	6	7				1	0	0	0	1
6 REACH	3	14	5	7	4997.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	14		6	7.3300	77.0000	4.71001	0	0	0	0	1
6 ADDHYD	4	14	6	7				1	0	0	0	1
6 REACH	3	13	5	7	6796.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	13		6	1.8700	77.0000	3.11001	0	0	0	0	1
6 ADDHYD	4	13	6	7				1	0	0	0	1
6 SAVMOV	5	13	5	2								
6 REACH	3	5	2	7	1000.0000	.0000	.00001	0	0	0	0	1
6 ADDHYD	4	5	7	1				1	0	0	0	1
6 REACH	3	4	6	5	9955.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	4		7	2.5600	74.0000	2.63001	0	0	0	0	1
6 ADDHYD	4	4	7	5				1	0	0	0	1
6 REACH	3	3	6	5	8415.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	3		7	7.0800	75.0000	4.44001	0	0	0	0	1
6 ADDHYD	4	3	7	5				1	0	0	0	1
6 REACH	3	2	6	5	16026.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	2		7	8.0200	75.0000	5.69001	0	0	0	0	1
6 ADDHYD	4	2	5	7				1	0	0	0	1
6 REACH	3	1	6	5	15000.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	1		7	43.1000	73.0000	9.76001	0	0	0	0	1
6 ADDHYD	4	1	5	7				1	0	0	0	1

ENDATA

END OF LISTING

EXECUTIVE CONTROL OPERATION INCREM MAIN TIME INCREMENT = .25 HOURS RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 1 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 10.60 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 0 STORM NO.= 0 MAIN TIME INCREMENT = .25 HOURS

OPERATION RUNOFF CROSS SECTION 12

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.00	6574.30	(RUNOFF)

OPERATION REACH CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
27.35	3459.76	62.58

OPERATION RUNOFF CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.14	3369.04	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
24.45	4561.98	63.27

OPERATION REACH CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
25.88	4509.18	54.38

OPERATION RUNOFF CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.91	4784.31	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.03	7261.74	55.53

OPERATION REACH CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.88	6735.41	48.11

OPERATION RUNOFF CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.41	1779.58	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.93	7792.41	48.52

OPERATION REACH CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
23.57	6876.49	42.33

OPERATION RUNOFF CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.12	2543.98	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.44	8345.57	42.81

OPERATION RUNOFF CROSS SECTION 26

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.87	2204.61	(RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 25 BY 324.9 CFS

OPERATION REACH CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.38	2190.37	39.33

OPERATION RUNOFF CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.47	1000.72	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.88	3023.80	41.57

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 24 BY 911.7 CFS

OPERATION REACH CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.36	3007.75	39.93

OPERATION RUNOFF CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.73	645.14	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.16	3420.06	41.05

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 23 BY 1043.5 CFS

OPERATION REACH CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.01	3342.09	38.76

OPERATION RUNOFF CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.72	749.68	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.79	3768.33	40.02

OPERATION ADDHYD CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.90	11219.12	65.65

OPERATION RUNOFF CROSS SECTION 7

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.62	866.28	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.64	11447.03	35.00

OPERATION RUNOFF CROSS SECTION 22

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.68	2630.07	(RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 21 BY 209.3 CFS

OPERATION REACH CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.11	2451.07	48.37

OPERATION RUNOFF CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.10	1459.68	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.52	3725.72	49.32

OPERATION REACH CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.91	3240.35	41.47

OPERATION RUNOFF CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.64	3814.82	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.33	5791.99	42.87

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 19 BY 673.3 CFS

OPERATION REACH CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.39	5378.01	33.06

OPERATION RUNOFF CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.52	1810.06	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.64	6387.79	34.12

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
19.22 17778.92 38.07

OPERATION REACH CROSS SECTION 6

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.90 16730.33 31.27

OPERATION RUNOFF CROSS SECTION 6

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
17.06 3608.50 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 6

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.29 19357.54 31.97

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
22.36 19221.07 23.24

OPERATION RUNOFF CROSS SECTION 5

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.22 3747.16 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.76 20986.26 23.75

OPERATION RUNOFF CROSS SECTION 18

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
13.33 400.59 (RUNOFF)

*** WARNING REACH 17 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.64	395.73	33.10

OPERATION RUNOFF CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.65	4821.97	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.53	5075.90	36.73

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 16 BY 857.6 CFS

OPERATION REACH CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.11	4662.56	30.53

OPERATION RUNOFF CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.75	2519.12	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.43	6698.18	32.70

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 15 BY 1742.0 CFS

OPERATION REACH CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.02	6654.65	30.81

OPERATION RUNOFF CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.93	1496.85	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.70	7905.17	31.90

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 14 BY 1116.3 CFS

OPERATION REACH CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.51	7787.87	24.97

OPERATION RUNOFF CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.62	3201.54	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.07	10668.73	27.69

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 13 BY 3411.5 CFS

OPERATION REACH CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.97	9834.99	25.09

OPERATION RUNOFF CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.32	1121.23	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.78	10427.20	25.57

*** WARNING REACH 5 ATT-KIN COEFF. (C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.78	10427.20	19.02

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.48	30444.16	26.13

OPERATION REACH CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.42	30215.53	21.54

OPERATION RUNOFF CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.96	1647.07	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.32	30741.83	21.63

OPERATION REACH CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
22.17	30563.59	18.09

OPERATION RUNOFF CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.42	3119.55	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.93	32133.24	18.32

OPERATION REACH CROSS SECTION 2

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
24.64	30255.38	14.56

OPERATION RUNOFF CROSS SECTION 2

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.46	2920.92	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 2

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
24.40	31748.43	14.79

OPERATION REACH CROSS SECTION 1

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
25.28	31595.09	12.28

OPERATION RUNOFF CROSS SECTION 1

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.76	9877.14	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 1

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
24.36	39443.96	13.28

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 1 RECORD ID

EXECUTIVE CONTROL OPERATION ENDJOB RECORD ID

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
	ALTERNATE	0	STORM	0									
XSECTION 12	RUNOFF	20.33	1	2	.25	.0	10.60	24.00	7.17	---	17.00	6574.30	323.4
XSECTION 11	REACH	20.33	1	2	.25	.0	10.60	24.00	7.09	62.58	27.35	3459.76	170.2
XSECTION 11	RUNOFF	7.32	1	2	.25	.0	10.60	24.00	7.30	---	15.14	3369.04	460.3
XSECTION 11	ADDHYD	27.65	1	2	.25	.0	10.60	24.00	7.15	63.27	24.45	4561.98	165.0
XSECTION 10	REACH	27.65	1	2	.25	.0	10.60	24.00	7.14	54.38	25.88	4509.18	163.1
XSECTION 10	RUNOFF	9.83	1	2	.25	.0	10.60	24.00	7.31	---	14.91	4784.31	486.7
XSECTION 10	ADDHYD	37.48	1	2	.25	.0	10.60	24.00	7.18	55.53	16.03	7261.74	193.7
XSECTION 9	REACH	37.48	1	2	.25	.0	10.60	24.00	7.17	48.11	18.88	6735.41	179.7
XSECTION 9	RUNOFF	3.20	1	2	.25	.0	10.60	24.00	7.30	---	14.41	1779.58	556.1
XSECTION 9	ADDHYD	40.68	1	2	.25	.0	10.60	24.00	7.18	48.52	17.93	7792.41	191.6
XSECTION 8	REACH	40.68	1	2	.25	.0	10.60	24.00	7.15	42.33	23.57	6876.49	169.0
XSECTION 8	RUNOFF	6.71	1	2	.25	.0	10.60	24.00	7.30	---	16.12	2543.98	379.1
XSECTION 8	ADDHYD	47.39	1	2	.25	.0	10.60	24.00	7.17	42.81	21.44	8345.57	176.1
XSECTION 26	RUNOFF	5.65	1	2	.25	.0	10.60	24.00	7.17	---	15.87	2204.61	390.2
XSECTION 25	REACH	5.65	1	2	.25	.0	10.60	24.00	7.17	39.33	16.38	2190.37	387.7
XSECTION 25	RUNOFF	1.86	1	2	.25	.0	10.60	24.00	7.17	---	14.47	1000.72	538.0
XSECTION 25	ADDHYD	7.51	1	2	.25	.0	10.60	24.00	7.17	41.57	15.88	3023.80	402.6
XSECTION 24	REACH	7.51	1	2	.25	.0	10.60	24.00	7.17	39.93	16.36	3007.75	400.5
XSECTION 24	RUNOFF	.93	1	2	.25	.0	10.60	24.00	7.17	---	13.73	645.14	693.7
XSECTION 24	ADDHYD	8.44	1	2	.25	.0	10.60	24.00	7.17	41.05	16.16	3420.06	405.2
XSECTION 23	REACH	8.44	1	2	.25	.0	10.60	24.00	7.17	38.76	17.01	3342.09	396.0
XSECTION 23	RUNOFF	1.06	1	2	.25	.0	10.60	24.00	7.30	---	13.72	749.68	707.2
XSECTION 23	ADDHYD	9.50	1	2	.25	.0	10.60	24.00	7.18	40.02	16.79	3768.33	396.7
XSECTION 8	ADDHYD	56.89	1	2	.25	.0	10.60	24.00	7.18	65.65	18.90	11219.12	197.2
XSECTION 7	REACH	56.89	1	2	.25	.0	10.60	24.00	7.17	34.83	19.86	11159.41	196.2
XSECTION 7	RUNOFF	1.20	1	2	.25	.0	10.60	24.00	7.17	---	13.62	866.28	721.9
XSECTION 7	ADDHYD	58.09	1	2	.25	.0	10.60	24.00	7.17	35.00	19.64	11447.03	197.1
XSECTION 22	RUNOFF	6.49	1	2	.25	.0	10.60	24.00	7.17	---	15.68	2630.07	405.2
XSECTION 21	REACH	6.49	1	2	.25	.0	10.60	24.00	7.17	48.37	17.11	2451.07	377.7
XSECTION 21	RUNOFF	3.19	1	2	.25	.0	10.60	24.00	7.17	---	15.10	1459.68	457.6
XSECTION 21	ADDHYD	9.68	1	2	.25	.0	10.60	24.00	7.17	49.32	16.52	3725.72	384.9
XSECTION 20	REACH	9.68	1	2	.25	.0	10.60	24.00	7.17	41.47	18.91	3240.35	334.7

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
	ALTERNATE	0	STORM	0									
XSECTION 20	RUNOFF	7.44	1	2	.25	.0	10.60	24.00	7.17	---	14.64	3814.82	512.7
XSECTION 20	ADDHYD	17.12	1	2	.25	.0	10.60	24.00	7.17	42.87	17.33	5791.99	338.3
XSECTION 19	REACH	17.12	1	2	.25	.0	10.60	24.00	7.17	33.06	19.39	5378.01	314.1
XSECTION 19	RUNOFF	3.35	1	2	.25	.0	10.60	24.00	7.31	---	14.52	1810.06	540.3
XSECTION 19	ADDHYD	20.47	1	2	.25	.0	10.60	24.00	7.19	34.12	18.64	6387.79	312.1
XSECTION 7	ADDHYD	78.56	1	2	.25	.0	10.60	24.00	7.18	38.07	19.22	17778.92	226.3
XSECTION 6	REACH	78.56	1	2	.25	.0	10.60	24.00	7.16	31.27	21.90	16730.33	213.0
XSECTION 6	RUNOFF	11.28	1	2	.25	.0	10.60	24.00	7.17	---	17.06	3608.50	319.9
XSECTION 6	ADDHYD	89.84	1	2	.25	.0	10.60	24.00	7.16	31.97	21.29	19357.54	215.5
XSECTION 5	REACH	89.84	1	2	.25	.0	10.60	24.00	7.16	23.24	22.36	19221.07	213.9
XSECTION 5	RUNOFF	8.41	1	2	.25	.0	10.60	24.00	7.17	---	15.22	3747.16	445.6
XSECTION 5	ADDHYD	98.25	1	2	.25	.0	10.60	24.00	7.16	23.75	21.76	20986.26	213.6
XSECTION 18	RUNOFF	.46	1	2	.25	.0	10.60	24.00	7.43	---	13.33	400.59	870.8
XSECTION 17	REACH	.46	1	2	.25	.0	10.60	24.00	7.43	33.10	13.64	395.73	860.3
XSECTION 17	RUNOFF	11.45	1	2	.25	.0	10.60	24.00	7.44	---	15.65	4821.97	421.1
XSECTION 17	ADDHYD	11.91	1	2	.25	.0	10.60	24.00	7.44	36.73	15.53	5075.90	426.2
XSECTION 16	REACH	11.91	1	2	.25	.0	10.60	24.00	7.44	30.53	17.11	4662.56	391.5
XSECTION 16	RUNOFF	4.96	1	2	.25	.0	10.60	24.00	7.30	---	14.75	2519.12	507.9
XSECTION 16	ADDHYD	16.87	1	2	.25	.0	10.60	24.00	7.40	32.70	16.43	6698.18	397.0
XSECTION 15	REACH	16.87	1	2	.25	.0	10.60	24.00	7.40	30.81	17.02	6654.65	394.5
XSECTION 15	RUNOFF	2.95	1	2	.25	.0	10.60	24.00	7.70	---	14.93	1496.85	507.4
XSECTION 15	ADDHYD	19.82	1	2	.25	.0	10.60	24.00	7.44	31.90	16.70	7905.17	398.8
XSECTION 14	REACH	19.82	1	2	.25	.0	10.60	24.00	7.44	24.97	17.51	7787.87	392.9
XSECTION 14	RUNOFF	7.33	1	2	.25	.0	10.60	24.00	7.70	---	15.62	3201.54	436.8
XSECTION 14	ADDHYD	27.15	1	2	.25	.0	10.60	24.00	7.51	27.69	17.07	10668.73	393.0
XSECTION 13	REACH	27.15	1	2	.25	.0	10.60	24.00	7.51	25.09	18.97	9834.99	362.2
XSECTION 13	RUNOFF	1.87	1	2	.25	.0	10.60	24.00	7.70	---	14.32	1121.23	599.6
XSECTION 13	ADDHYD	29.02	1	2	.25	.0	10.60	24.00	7.52	25.57	18.78	10427.20	359.3
XSECTION 5	REACH	29.02	1	2	.25	.0	10.60	24.00	7.52	19.02	18.78	10427.20	359.3
XSECTION 5	ADDHYD	127.27	1	2	.25	.0	10.60	24.00	7.24	26.13	20.48	30444.16	239.2
XSECTION 4	REACH	127.27	1	2	.25	.0	10.60	24.00	7.24	21.54	21.42	30215.53	237.4
XSECTION 4	RUNOFF	2.56	1	2	.25	.0	10.60	24.00	7.30	---	13.96	1647.07	643.4
XSECTION 4	ADDHYD	129.83	1	2	.25	.0	10.60	24.00	7.24	21.63	21.32	30741.83	236.8
XSECTION 3	REACH	129.83	1	2	.25	.0	10.60	24.00	7.24	18.09	22.17	30563.59	235.4
XSECTION 3	RUNOFF	7.08	1	2	.25	.0	10.60	24.00	7.44	---	15.42	3119.55	440.6
XSECTION 7	ADDHYD	127.27	1	2	.25	.0	10.60	24.00	7.25	18.30	21.93	32133.24	234.7

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
	ALTERNATE	0	STORM	0									
XSECTION	2 REACH	136.91	1	2	.25	.0	10.60	24.00	7.23	14.56	24.64	30255.38	221.0
XSECTION	2 RUNOFF	8.02	1	2	.25	.0	10.60	24.00	7.44	---	16.46	2920.92	364.2
XSECTION	2 ADDHYD	144.93	1	2	.25	.0	10.60	24.00	7.25	14.79	24.40	31748.43	219.1
XSECTION	1 REACH	144.93	1	2	.25	.0	10.60	24.00	7.24	12.28	25.28	31595.09	218.0
XSECTION	1 RUNOFF	43.10	1	2	.25	.0	10.60	24.00	7.17	---	19.76	9877.14	229.2
XSECTION	1 ADDHYD	188.03	1	2	.25	.0	10.60	24.00	7.22	13.28	24.36	39443.96	209.8

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

XSEC	REACH	HYDROGRAPH INFORMATION								ROUTING PARAMETERS							PEAK			
		INFLOW		OUTFLOW		OUTFLOW+		BASE-	VOLUME	MAIN	ITER-	Q AND A		PEAK	S/Q	ATT-	TRAVEL	TIME		
		PEAK	TIME	PEAK	TIME	PEAK	TIME					AREA	BASE-						ABOVE	TIME
ID	LENGTH	(CFS)	(HR)	(CFS)	(HR)	(CFS)	(HR)	(CFS)	(IN)	(HR)	#	COEFF	POWER	FACTOR	(Q*)	(K)	COEFF	AGE	MATIC	
	ALTERNATE	0	STORM	0																
11	16280	6574	17.0	3460	27.3	4562	24.5	0	7.17	.25	10	.175	1.09	.743	.526	35973	.02	8.50	10.23	
10	6950	4562	24.5	4509	26.0	7262	16.0	0	7.15	.25	1	.162	1.21	.040	.988	5806	.14	1.50	1.61	
9	9626	7262	16.0	6735	19.0	7792	18.0	0	7.18	.25	1	.031	1.42	.033	.927	5526	.15	3.00	1.55	
8	19251	7792	18.0	6876	23.5	8345	21.5	0	7.18	.25	1	1.35	1.02	.130	.882	11595	.07	5.50	3.23	
25	4700	2203	15.8	2189	16.5	3022	16.0	0	7.17	.25	1	.276	1.35	.012	.994	1219	.54	.75	.34	
24	4200	3022	16.0	3005	16.3	3419	16.3	0	7.17	.25	1	.445	1.28	.013	.995	1099	.58	.25	.31	
23	5400	3419	16.3	3342	17.0	3768	16.8	0	7.17	.25	1	.379	1.22	.036	.978	2209	.34	.75	.61	
7	5142	11218	19.0	11158	19.8	11446	19.8	0	7.18	.25	1	.568	1.14	.019	.995	2337	.32	.75	.65	
21	5850	2629	15.8	2450	17.0	3726	16.5	0	7.17	.25	1	.084	1.34	.060	.932	3755	.21	1.25	1.05	
20	12050	3726	16.5	3240	19.0	5791	17.3	0	7.17	.25	2	.029	1.46	.123	.870	7057	.12	2.50	2.00	
19	11850	5791	17.3	5377	19.5	6387	18.8	0	7.17	.25	3	1.76	1.00	.137	.928	6742	.13	2.25	1.87	
6	14250	17779	19.3	16729	22.0	19357	21.3	0	7.18	.25	1	.301	1.18	.078	.941	7200	.12	2.75	2.01	
5	10870	19357	21.3	19219	22.3	20986	21.8	0	7.16	.25	1	.428	1.22	.024	.993	2995	.26	1.00	.83	
17	3014	399	13.3	394	13.8	5076	15.5	0	7.43	.25	1	.257	1.51	.011	.987	646	.82?	.50	.18	
16	9120	5076	15.5	4660	17.0	6697	16.5	0	7.44	.25	3	.545	1.16	.086	.918	4198	.19	1.50	1.17	
15	4960	6697	16.5	6655	17.0	7904	16.8	0	7.40	.25	1	.452	1.24	.019	.994	1401	.49	.50	.39	
14	4997	7904	16.8	7788	17.5	10666	17.0	0	7.44	.25	1	2.42	1.00	.048	.985	2063	.36	.75	.57	
13	6796	10666	17.0	9835	19.0	10427	18.8	0	7.51	.25	1	.146	1.21	.096	.922	5322	.16	2.00	1.49	
5	1000	10427	18.8	10427	18.8	---	---	0	7.52	.25	0	.661	1.17	.004	1.000	328	1.00?	.00	.00	
4	9955	30444	20.5	30213	21.5	30740	21.3	0	7.24	.25	1	.147	1.32	.019	.992	2636	.29	1.00	.73	
3	8415	30740	21.3	30561	22.3	32132	22.0	0	7.24	.25	1	.005	1.64	.008	.994	2364	.32	1.00	.66	
2	16026	32132	22.0	30252	24.8	31745	24.5	0	7.25	.25	1	.001	1.67	.061	.942	8023	.11	2.75	2.26	
1	15000	31745	24.5	31595	25.3	39440	24.3	0	7.25	.25	1	.012	1.63	.009	.995	2557	.30	.75	.71	

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 0
<u>XSECTION 1</u>	<u>188.03</u>	
ALTERNATE 0		39443.96
<u>XSECTION 2</u>	<u>144.93</u>	
ALTERNATE 0		31748.43
<u>XSECTION 3</u>	<u>136.91</u>	
ALTERNATE 0		32133.24
<u>XSECTION 4</u>	<u>129.83</u>	
ALTERNATE 0		30741.83
<u>XSECTION 5</u>	<u>127.27</u>	
ALTERNATE 0		30444.16
<u>XSECTION 6</u>	<u>89.84</u>	
ALTERNATE 0		19357.54
<u>XSECTION 7</u>	<u>78.56</u>	
ALTERNATE 0		17778.92
<u>XSECTION 8</u>	<u>56.89</u>	
ALTERNATE 0		11219.12
<u>XSECTION 9</u>	<u>40.68</u>	
ALTERNATE 0		7792.41
<u>XSECTION 10</u>	<u>37.48</u>	
ALTERNATE 0		7261.74
<u>XSECTION 11</u>	<u>27.65</u>	
ALTERNATE 0		4561.98
<u>XSECTION 12</u>	<u>20.33</u>	
ALTERNATE 0		6574.30
<u>XSECTION 13</u>	<u>29.02</u>	
ALTERNATE 0		10427.20
<u>XSECTION 14</u>	<u>27.15</u>	
ALTERNATE 0		10668.73

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 0
<u>XSECTION 15</u>	<u>19.82</u>	
ALTERNATE 0		7905.17
<u>XSECTION 16</u>	<u>16.87</u>	
ALTERNATE 0		6698.18
<u>XSECTION 17</u>	<u>11.91</u>	
ALTERNATE 0		5075.90
<u>XSECTION 18</u>	<u>.46</u>	
ALTERNATE 0		400.59
<u>XSECTION 19</u>	<u>20.47</u>	
ALTERNATE 0		6387.79
<u>XSECTION 20</u>	<u>17.12</u>	
ALTERNATE 0		5791.99
<u>XSECTION 21</u>	<u>9.68</u>	
ALTERNATE 0		3725.72
<u>XSECTION 22</u>	<u>6.49</u>	
ALTERNATE 0		2630.07
<u>XSECTION 23</u>	<u>9.50</u>	
ALTERNATE 0		3768.33
<u>XSECTION 24</u>	<u>8.44</u>	
ALTERNATE 0		3420.06
<u>XSECTION 25</u>	<u>7.51</u>	
ALTERNATE 0		3023.80
<u>XSECTION 26</u>	<u>5.65</u>	
ALTERNATE 0		2204.61

END OF 1 JOBS IN THIS RUN

RUN 3

TR20 VER 10-17-91 08:35
REV PC (9/83)(.2)

080 CREEK RUN 2010 DEV. 25YP.

JOB 1 PAGE 1
PAGE 1

COMPUTER PROGRAM FOR PROJECT FORMULATION - HYDROLOGY USER NOTES

THE USER'S MANUAL FOR THIS PROGRAM IS THE MAY 1985 DRAFT OF TR-20. CHANGES FROM THE 2/14/74 VERSION INCLUDE:

REACH ROUTING - THE MODIFIED ATT-KIN ROUTINE PROCEDURE REPLACES THE CONVEX METHOD. INPUT DATA PREPARED FOR PREVIOUS PROGRAM VERSIONS USING CONVEX ROUTING COEFFICIENTS WILL NOT RUN ON THIS VERSION.

THE PREFERRED TYPE OF DATA ENTRY IS CROSS SECTION DATA REPRESENTATIVE OF A REACH. IT IS RECOMMENDED THAT THE OPTIONAL CROSS SECTION DISCHARGE-AREA PLOTS BE OBTAINED WHENEVER NEW CROSS SECTION DATA IS ENTERED. THE PLOTS SHOULD BE CHECKED FOR REASONABLENESS AND ADEQUACY OF INPUT DATA FOR THE COMPUTATION OF "M" VALUES USED IN THE ROUTING PROCEDURE.

SUBROUTINES FOR DETERMINING OR ANALYZING REACH LENGTHS AND COEFFICIENTS (X,M) ARE AVAILABLE IN THE USER'S MANUAL. SUMMARY TABLE 2 OVERLAYS REACH ROUTING RESULTS AND ROUTING PARAMETERS FOR COMPARISON AND CHECKING.

HYDROGRAPH GENERATION - THE PROCEDURE TO CALCULATE THE INTERNAL TIME INCREMENT AND PEAK TIME OF THE UNIT HYDROGRAPH HAVE BEEN IMPROVED. PEAK DISCHARGES AND TIMES MAY DIFFER FROM THE PREVIOUS VERSION. OUTPUT HYDROGRAPHS ARE STILL INTERPOLATED, PRINTED, AND ROUTED AT THE USER SELECTED MAIN TIME INCREMENT.

INTERMEDIATE PEAKS - METHOD ADDED TO PROVIDE DISCHARGES AT INTERMEDIATE POINTS WITHIN REACHES WITHOUT ROUTING.

OTHER - THIS VERSION CONTAINS SOME ADDITIONS TO THE INPUT AND NUMEROUS MODIFICATIONS TO THE OUTPUT. USER OPTIONS HAVE BEEN MODIFIED AND AUGMENTED ON THE JOB RECORD. RAINFALLS ADDED. ERROR AND WARNING MESSAGES EXPANDED, AND THE SUMMARY TABLES COMPLETELY REVISED. THE HOLDOUT OPTION IS NOT OPERATIONAL AT THIS TIME.

PROGRAM QUESTIONS OR PROBLEMS SHOULD BE DIRECTED TO HYDRAULIC ENGINEERS AT THE SDS NATIONAL TECHNICAL CENTERS:
CHESTER, PA (NORTHEAST) -- 315-199-1973. FORT WORTH, TX (SOUTH) -- 334-8240 (ETS)
LINCOLN, NE (MIDWEST) -- 541-8319 (FTS). PORTLAND, OR (WEST) -- 425-4099 (ETS).

PROGRAM CHANGES SINCE MAY 1985:

- 10/17/85 - CORRECT PEAK RATE FACTOR FOR USER ENTERED DIMHYD
- CORRECT REACH ROUTING PEAK TRAVEL TIME PRINTED WITH FULLPRINT OPTION
- 5/02/83 - CORRECT COMPUTATIONS FOR ---
 1. DIVISION OF BASEFLOW IN DIVERT OPERATION
 2. HYDROGRAPH VOLUME SPLIT BETWEEN BASEFLOW AND ABOVE BASEFLOW
 3. CROSS SECTION DATA PLOTTING POSITION
 4. INTERMEDIATE PEAK WHEN "FROM" AREA IS LARGER THAN "THRU" AREA
 5. STORAGE ROUTED REACH TRAVEL TIME FOR MULTIPLE PEAK HYDROGRAPHS
 6. ORDERING "FLOW-FREQ" FILE FROM SUMMARY TABLE BY DATA
 7. BASEFLOW ENTERED WITH REACHHYD
 8. LOW FLOW SPLIT DURING DIVERT PROCEDURE SO WHEN SECTION RATINGS START AT DIFFERENT ELEVATIONS
- ENHANCEMENTS ---
 1. REPLACE USER MANUAL ERROR CODES (PAGE 4-9 TO 4-11) WITH MESSAGES
 2. LABEL OUTPUT HYDROGRAPH FILES WITH CROSS SECTION/STRUCTURE, ALTERNATE AND STORM NO.
- 09/01/83 - CORRECT INPUT AND OUTPUT ERRORS FOR INTERMEDIATE PEAKS
- CORRECT COMBINATION OF RATING TABLES FOR DIVERT
- CHECK REACH ROUTING PARAMETERS FOR ACCEPTABLE LIMITS
- ELIMINATE MINIMUM REACH TRAVEL TIME WHEN ATT-KIN COEFFICIENT EQUALS ONE

EXECUTIVE CONTROL OPERATION LIST

RECORD ID

LISTING OF CURRENT DATA

XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2 XSECTN 1	1.0000			
0		.00	.00	.00
0		4.05	940.00	760.00
0		6.72	4701.00	2872.00
0		8.35	9402.00	4516.00
0		11.53	28205.00	8175.00
0		13.08	37606.00	9300.00
0		14.11	47008.00	12145.00
0 ENDTBL				

XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2 XSECTN 2	1.0000			
0		.00	.00	.00
0		4.15	725.00	3917.00
0		7.03	3623.00	7129.00
0		8.75	7247.00	9721.00
0		12.97	21740.00	19582.00
0		14.36	28594.00	24694.00
0		15.50	36333.00	39275.00
0 ENDTBL				

XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2 XSECTN 3	1.0000			
0		.60	.00	.00
0		6.39	655.00	1086.00
0		9.74	1423.00	3700.00
0		11.75	2546.00	5615.00
0		15.36	6537.00	11443.00
0		17.61	17382.00	13545.00
0		18.64	24225.00	14992.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 4	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		.50	.00	.00
0		7.39	649.00	656.00
0		11.56	3246.00	1943.00
0		17.92	6492.00	3266.00
0		19.36	19475.00	7458.00
0		20.81	25966.00	9276.00
0		21.92	32458.00	11245.00
0		ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 5	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		.00	.00	.00
0		8.39	574.00	327.00
0		14.25	3122.00	1512.00
0		17.06	6364.00	2712.00
0		23.20	15071.00	6400.00
0		25.07	25454.00	9129.00
0		26.43	31815.00	12770.00
0		ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 6	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		12.50	.00	.00
0		16.19	429.00	706.00
0		23.29	3246.00	1820.00
0		24.82	4492.00	2776.00
0		26.23	13476.00	8046.00
0		31.66	17468.00	10756.00
0		32.67	22460.00	13029.00
0		ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 7	1.0000		
		ELEVATION	DISCHARGE	END AREA

0	16.90	.00	.00
0	20.90	290.00	357.00
0	24.70	1452.00	956.00
0	27.50	2995.00	1758.00
0	33.40	8714.00	4634.00
0	33.10	11615.00	6004.00
0	36.50	14520.00	7385.00
9	ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 8	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		37.40	.00	.00
0		38.05	237.00	71.00
0		39.36	1185.00	728.00
0		40.33	2370.00	1676.00
0		42.43	7139.00	4456.00
0		43.15	9478.00	5607.00
0		73.78	11848.00	6499.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 9	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		35.40	.00	.00
0		42.27	203.00	432.00
0		44.27	1017.00	1506.00
0		45.44	2034.00	2462.00
0		47.87	4102.00	5265.00
0		48.85	8136.00	6405.00
0		49.31	10170.00	7452.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 10	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		48.20	.00	.00
0		50.05	187.00	350.00
0		51.90	937.00	1256.00
0		52.97	1874.00	2159.00
0		54.98	5622.00	5535.00
0		55.61	7436.00	7298.00
0		56.14	9370.00	9064.00

11.00	.00	.00
12.07	136.00	24.00
13.96	679.00	75.00
15.32	1358.00	133.00
21.10	4673.00	459.00
22.75	5471.00	1084.00
24.03	5755.00	2087.00

ENDTEL

XSECTN NO. DRAINAGE AREA
2 XSECTN 15 1.0000

ELEVATION	DISCHARGE	END AREA
19.40	.00	.00
20.54	99.00	117.00
22.16	496.00	306.00
23.58	991.00	488.00
25.40	2973.00	1056.00
28.48	3954.00	1237.00
29.34	4955.00	1523.00

ENDTEL

XSECTN NO. DRAINAGE AREA
2 XSECTN 16 1.0000

ELEVATION	DISCHARGE	END AREA
19.90	.00	.00
20.79	34.00	92.00
22.66	400.00	307.00
24.17	844.00	500.00
28.01	2531.00	1075.00
29.16	3374.00	1313.00
30.06	4216.00	2031.00

ENDTEL

XSECTN NO. DRAINAGE AREA
2 XSECTN 17 1.0000

ELEVATION	DISCHARGE	END AREA
19.02	.00	.00
30.15	60.00	37.00
32.56	298.00	106.00
34.00	595.00	170.00
35.02	1787.00	2440.00
35.69	3333.00	4243.00
36.49	3978.00	4343.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 18	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	31.60	.00	.00	
8	31.72	2.00	1.00	
8	32.89	12.00	14.00	
8	34.62	23.00	46.00	
8	36.28	47.00	90.00	
8	38.89	92.00	110.00	
8	38.90	115.00	111.00	
9 ENDTBL				

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 19	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	25.00	.00	.00	
8	26.05	102.00	24.00	
8	27.00	512.00	88.00	
8	27.76	1024.00	153.00	
8	30.11	3071.00	325.00	
8	31.72	4094.00	1433.00	
8	32.75	5118.00	2615.00	
9 ENDTBL				

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 20	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	37.80	.00	.00	
8	38.68	38.00	281.00	
8	39.45	428.00	743.00	
8	39.91	858.00	1152.00	
8	41.09	2568.00	2383.00	
8	41.57	3424.00	2955.00	
8	42.04	4280.00	3640.00	
9 ENDTBL				

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 21	1.0000		
	ELEVATION	DISCHARGE	END AREA	

8	45.60	.00	.00
8	44.83	48.00	71.30
8	45.94	242.00	402.00
8	46.54	484.00	689.00
8	47.60	1452.00	1409.00
8	47.99	1936.00	1749.00
8	48.35	2420.00	2110.00
9	ENDTBL		

XSECTN NO. DRAINAGE AREA
2 XSECTN 22 1.0000

	ELEVATION	DISCHARGE	END AREA
8	50.00	.00	.00
8	50.70	32.00	66.00
8	50.84	162.00	97.00
8	51.05	325.00	148.00
8	51.65	574.00	364.00
8	51.94	1298.00	508.00
8	52.16	1633.00	627.00
9	ENDTBL		

XSECTN NO. DRAINAGE AREA
2 XSECTN 23 1.0000

	ELEVATION	DISCHARGE	END AREA
8	25.00	.00	.00
8	25.34	48.00	32.00
8	25.52	235.00	132.00
8	27.17	475.00	267.00
8	30.75	1425.00	390.00
8	34.81	1900.00	1115.00
8	35.91	2375.00	1312.00
9	ENDTBL		

XSECTN NO. DRAINAGE AREA
2 XSECTN 24 1.0000

	ELEVATION	DISCHARGE	END AREA
8	26.00	.00	.00
8	30.14	42.00	40.00
8	31.75	210.00	151.00
8	32.71	422.00	234.10
8	35.13	1255.00	471.00
8	36.33	1628.00	601.00
8	37.45	2110.00	733.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2	XSECTN 25	1.0000			
			39.50	.00	.00
			31.42	36.00	34.00
			33.14	126.00	143.00
			34.04	376.00	215.00
			35.43	1127.00	450.00
			37.46	1505.00	531.00
			38.49	1575.00	675.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
3	XSECTA 25	1.0000			
			32.00	.00	.00
			33.40	28.00	22.00
			35.13	141.00	100.00
			35.85	283.00	156.00
			36.23	348.00	375.00
			38.17	1170.00	474.00
			40.19	1417.00	583.00

9 ENDTBL

		TIME INCREMENT	(INPUT VALUE IS .002 NOT EQUAL TO COMPUTED VALUE; COMPUTED VALUE USED.)			
4	DINHVD	.0220				
		.0000	.1500	.3200	.6000	.8300
		.0000	.1600	.3500	.6500	.8500
		.0500	.1500	.4800	.7300	.9300
		.1500	.1700	.2900	.2500	.2300
		.2100	.2000	.1900	.1800	.1700
		.1500	.1500	.1400	.1300	.1200
		.1100	.1000	.0900	.0800	.0700
		.0500	.0500	.0450	.0400	.0350
		.0300	.0350	.0300	.0150	.0100
		.0000	.0000	.0000	.0000	.0000

9 ENDTBL

COMPUTED PEAK RATE FACTOR = 036.08

TABLE NO.	TIME INCREMENT				
# RAINFL 1	.2500				
#	.0000	.0020	.0050	.0070	.0100
#	.0120	.0150	.0170	.0200	.0230
#	.0250	.0290	.0310	.0340	.0370
#	.0400	.0430	.0470	.0500	.0530
#	.0570	.0600	.0640	.0680	.0720
#	.0760	.0800	.0850	.0890	.0940
#	.1000	.1070	.1150	.1220	.1300
#	.1390	.1450	.1570	.1670	.1780
#	.1850	.2020	.2160	.2320	.2500
#	.2710	.2890	.3390	.5000	.6400
#	.7020	.7290	.7510	.7690	.7850
#	.7950	.8110	.8230	.8340	.8440
#	.8530	.8620	.8700	.8780	.8860
#	.8930	.9000	.9070	.9110	.9160
#	.9200	.9250	.9290	.9330	.9360
#	.9400	.9440	.9470	.9510	.9540
#	.9570	.9600	.9630	.9660	.9690
#	.9720	.9750	.9780	.9810	.9830
#	.9860	.9880	.9910	.9930	.9960
#	.9990	1.0000	1.0000	1.0000	1.0000
#	ENDTR				

TABLE NO.	TIME INCREMENT				
# RAINFL 2	1.0000				
#	1.0000	1.2300	1.9900	1.7400	1.9500
#	2.0100	2.4500	2.5100	2.5100	2.5800
#	3.0700	3.2800	3.4500	3.6500	3.9000
#	4.1500	4.7100	5.2100	5.8300	6.1200
#	5.7100	6.7200	6.8000	7.2500	7.4300
#	7.7000	7.8800	7.9900	8.0400	8.1200
#	8.2700	8.3500	8.4200	8.5100	8.5700
#	8.7900	10.2500	12.5800	12.8700	13.1100
#	13.1900	13.2700	13.3900	13.3200	13.3200
#	ENDTR				

TABLE NO.	TIME INCREMENT				
# RAINFL 3	1.0000				
#	1.0000	1.2200	1.8000	1.6800	1.1200
#	1.7100	1.5500	1.7500	1.5700	1.9200
#	2.0000	2.1500	2.2300	2.3400	2.3900

E	2.4300	3.6700	4.1300	6.4800	6.7500
E	6.9900	7.0700	7.1300	7.1700	7.2000
E	7.2000	.0000	.0010	.0000	.0000
9 ENDTBL					

TABLE NO. TIME INCREMENT
E RAINFL A .5000

E	.0000	.0040	.0080	.0120	.0160
E	.0200	.0250	.0300	.0350	.0400
E	.0450	.0500	.0550	.0600	.0650
E	.0700	.0750	.0810	.0870	.0920
E	.0990	.1050	.1110	.1180	.1250
E	.1320	.1400	.1480	.1560	.1650
E	.1740	.1840	.1950	.2070	.2200
E	.2360	.2550	.2770	.3030	.3320
E	.3650	.3490	.3870	.3850	.4240
E	.4400	.4550	.4690	.4820	.4940
E	.7050	.7160	.7370	.7780	.7480
E	.7580	.7670	.7760	.7840	.7920
E	.8000	.8080	.8160	.8370	.8300
E	.8370	.8440	.8510	.8580	.8640
E	.8700	.8760	.8820	.8880	.8940
E	.9000	.9060	.9110	.9160	.9210
E	.9260	.9310	.9360	.9410	.9460
E	.9510	.9560	.9610	.9660	.9710
E	.9760	.9800	.9840	.9890	.9920
E	.9960	1.0000	1.0000	1.0000	1.0000
9 ENDTBL					

TABLE NO. TIME INCREMENT
E RAINFL B .5000

E	.0000	.0020	.0050	.0060	.0110
E	.0140	.0170	.0200	.0250	.0260
E	.0290	.0320	.0350	.0380	.0410
E	.0440	.0470	.0510	.0550	.0590
E	.0630	.0670	.0710	.0750	.0790
E	.0840	.0880	.0940	.0990	.1040
E	.1090	.1140	.1200	.1260	.1320
E	.1400	.1470	.1540	.1620	.1710
E	.1810	.1920	.2040	.2170	.2320
E	.2520	.2770	.3180	.3350	.3490
E	.3790	.3520	.3700	.3850	.3980
E	.4390	.4190	.4290	.4380	.4460
E	.4540	.4610	.4680	.4740	.4810
E	.4860	.4920	.4970	.5030	.5070

0	.9120	.9170	.9210	.9250	.9290
0	.9330	.9370	.9410	.9450	.9490
0	.9530	.9570	.9600	.9630	.9660
0	.9690	.9720	.9750	.9780	.9810
0	.9840	.9870	.9900	.9930	.9960
0	.9980	1.0000	1.0000	1.0000	1.0000
0	ENDTEL				

TABLE NO. TIME INCREMENT
0 RAINFL 6 .0200

0	.0000	.0060	.0162	.0246	.0333
0	.0425	.0524	.0630	.0743	.0863
0	.0990	.1124	.1265	.1400	.1595
0	.1800	.2050	.2550	.3450	.4370
0	.5300	.6030	.6330	.6600	.6840
0	.7050	.7240	.7420	.7590	.7750
0	.7900	.8040	.8180	.8310	.8439
0	.8561	.8678	.8790	.8895	.9002
0	.9100	.9201	.9297	.9391	.9483
0	.9573	.9661	.9747	.9832	.9916
0	1.0000	1.0000	1.0000	1.0000	1.0000
0	ENDTEL				

STANDARD CONTROL INSTRUCTIONS

6	RUNOFF	1	12	7	20.3300	73.0000	6.51001	0	0	0	0	1
6	REACH	3	11	6	16280.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	11	5	7.3200	76.0000	3.47001	0	0	0	0	1
6	ADDHYD	4	11	5	6	7	1	0	0	0	0	1
6	REACH	3	10	7	6	6950.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	10	5	9.8200	76.0000	3.19001	0	0	0	0	1
6	ADDHYD	4	10	5	6	7	1	0	0	0	0	1
6	REACH	3	9	7	6	9626.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	9	5	3.2000	76.0000	2.57001	0	0	0	0	1
6	ADDHYD	4	9	6	5	7	1	0	0	0	0	1
6	REACH	3	8	7	5	19251.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	8	7	6	6.7100	79.0000	4.65001	0	0	0	1
6	ADDHYD	4	8	7	5	6	1	0	0	0	0	1
6	BAKNOV	5	8	6	1							
6	RUNOFF	1	26	7	5.6500	73.0000	4.33001	0	0	0	0	1
6	REACH	3	25	7	6	4700.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	25	5	1.8500	73.0000	2.63001	0	0	0	0	1
6	ADDHYD	4	25	6	5	7	1	0	0	0	0	1
6	REACH	3	24	7	5	4200.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	24	6	.9300	73.0000	1.67001	0	0	0	0	1
6	ADDHYD	4	24	5	6	7	1	0	0	0	0	1
6	REACH	3	23	7	5	5400.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	23	6	1.0600	76.0000	1.87001	0	0	0	0	1
6	ADDHYD	4	23	5	6	7	1	0	0	0	0	1
6	BAKNOV	5	23	7	4							
6	ADDHYD	4	8	4	1	5	1	0	0	0	0	1
6	REACH	3	7	5	6	5142.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	7	7	1.0300	73.0000	2.21001	0	0	0	0	1
6	ADDHYD	4	7	7	6	5	1	0	0	0	0	1
6	BAKNOV	5	7	5	1							
6	RUNOFF	1	22	7	6.4900	73.0000	4.07001	0	0	0	0	1
6	REACH	3	21	7	6	5850.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	21	5	3.1900	73.0000	3.40001	0	0	0	0	1
6	ADDHYD	4	21	5	6	7	1	0	0	0	0	1
6	REACH	3	20	7	5	32050.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	20	7	7.4400	73.0000	2.64001	0	0	0	0	1
6	ADDHYD	4	20	5	6	7	1	0	0	0	0	1
6	REACH	3	19	6	5	11850.0000	.0001	.00001	0	0	0	1
6	RUNOFF	1	19	7	3.3500	79.0000	2.70001	0	0	0	0	1
6	ADDHYD	4	19	7	5	6	1	0	0	0	0	1
6	BAKNOV	5	19	6	3							
6	ADDHYD	4	7	3	1	7	1	0	0	0	0	1
6	REACH	3	6	7	5	14250.0000	.0000	.00001	0	0	0	1
6	RUNOFF	1	6	6	11.2800	73.0000	6.40001	0	0	0	0	1
6	ADDHYD	4	6	5	6	7	1	0	0	0	0	1

6	REACH	3	5	7	6	10870.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	5		5	8.4100	75.0000	4.18001	0	0	0	0	1
6	ADDHYD	4	5	6	7			1	0	0	0	0	1
6	SAVMOV	5	5	7	1								
6	RUNOFF	1	18		7	.4500	75.0000	1.17001	0	0	0	0	1
6	REACH	3	17	7	6	3014.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	17		7	11.4500	75.0000	4.07001	0	0	0	0	1
6	ADDHYD	4	17	7	5			1	0	0	0	0	1
6	REACH	3	16	5	7	9120.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	16		6	4.9500	75.0000	2.90001	0	0	0	0	1
6	ADDHYD	4	16	6	5			1	0	0	0	0	1
6	REACH	3	15	5	7	4960.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	15		6	1.9500	75.0000	3.55001	0	0	0	0	1
6	ADDHYD	4	15	6	5			1	0	0	0	0	1
6	REACH	3	14	5	7	4997.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	14		6	7.3300	75.0000	4.71001	0	0	0	0	1
6	ADDHYD	4	14	6	5			1	0	0	0	0	1
6	REACH	3	13	5	7	3795.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	13		6	1.8700	74.0000	3.11001	0	0	0	0	1
6	ADDHYD	4	13	6	5			1	0	0	0	0	1
6	SAVMOV	5	13	5	2								
6	REACH	3	5	2	7	1000.0000	.0000	.00001	0	0	0	0	1
6	ADDHYD	4	5	7	6			1	0	0	0	0	1
6	REACH	3	4	6	5	9955.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	4		7	2.5800	74.0000	2.63001	0	0	0	0	1
6	ADDHYD	4	4	7	6			1	0	0	0	0	1
6	REACH	3	3	6	5	8415.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	3		7	7.0300	75.0000	3.55001	0	0	0	0	1
6	ADDHYD	4	3	7	6			1	0	0	0	0	1
6	REACH	3	2	6	5	16026.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	2		7	5.0200	75.0000	5.17001	0	0	0	0	1
6	ADDHYD	4	2	5	6			1	0	0	0	0	1
6	REACH	3	1	6	5	15000.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	1		7	45.1000	73.0000	9.75001	0	0	0	0	1
6	ADDHYD	4	1	5	6			1	0	0	0	0	1

ENDATA

END OF LISTING

TR20 XED 10-17-91 09:38 D80 CREEK RUN 20.0 DEV. 25YR.
REV PD 09/83(.2)

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EXECUTIVE CONTROL OPERATION INCREM MAIN TIME INCREMENT = .25 HOUR RECORD 10

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 1 RECORD 10
STARTING TIME = .00 RAIN DEPTH = 5.20 RAIN DURATION = 1.00 RAIN TABLE NO. = 1 ANT. MOIST. COND = 2
ALTERNATE NO. = 0 STORM NO. = 0 MAIN TIME INCREMENT = .25 HOUR

OPERATION RUNOFF CROSS SECTION 12

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.10	4545.20	(RUNOFF)

OPERATION REACH CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
22.34	2295.18	62.00

OPERATION RUNOFF CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.67	2781.38	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.80	2830.39	62.27
24.33	3013.26	62.78

OPERATION REACH CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
26.00	2967.58	53.56

OPERATION RUNOFF CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.44	3982.32	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 10

OPERATION REACH	CROSS SECTION 9	PEAK TIME(HRS) 15.46	PEAK DISCHARGE(CFS) 5627.17	PEAK ELEVATION(FEET) 54.98
OPERATION RUNOFF	CROSS SECTION 9	PEAK TIME(HRS) 16.08	PEAK DISCHARGE(CFS) 5022.22	PEAK ELEVATION(FEET) 47.22
OPERATION ADDHYD	CROSS SECTION 9	PEAK TIME(HRS) 13.93	PEAK DISCHARGE(CFS) 1525.60	PEAK ELEVATION(FEET) (RUNOFF)
OPERATION REACH	CROSS SECTION 8	PEAK TIME(HRS) 22.13	PEAK DISCHARGE(CFS) 4897.65	PEAK ELEVATION(FEET) 41.45
OPERATION RUNOFF	CROSS SECTION 8	PEAK TIME(HRS) 15.58	PEAK DISCHARGE(CFS) 2184.67	PEAK ELEVATION(FEET) (RUNOFF)
OPERATION ADDHYD	CROSS SECTION 8	PEAK TIME(HRS) 20.37	PEAK DISCHARGE(CFS) 6158.96	PEAK ELEVATION(FEET) 42.01
OPERATION REACH	CROSS SECTION 25	PEAK TIME(HRS) 15.42	PEAK DISCHARGE(CFS) 1684.97	PEAK ELEVATION(FEET) (RUNOFF)

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.78	1571.04	37.93

OPERATION RUNOFF CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.01	809.73	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.51	2302.03	39.63

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 24 BY 193.0 CFS

OPERATION REACH CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.00	2289.94	37.97

OPERATION RUNOFF CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.29	582.71	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.74	2584.97	35.80

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 23 BY 219.6 CFS

OPERATION REACH CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.74	2507.95	36.34

OPERATION RUNOFF CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
10.13	689.89	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 23

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.52 2619.86 37.23

OPERATION ADDHYD CROSS SECTION 8

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.23 8387.84 42.82

OPERATION RUNOFF CROSS SECTION 7

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
13.85 596.10 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.05 8587.88 33.24

OPERATION RUNOFF CROSS SECTION 22

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.27 2021.70 (RUNOFF)

OPERATION REACH CROSS SECTION 21

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.67 1883.76 47.92

OPERATION RUNOFF CROSS SECTION 21

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
14.65 1143.95 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 21

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.08 2818.21 48.64

OPERATION REACH CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.53	2408.34	40.98

OPERATION RUNOFF CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.18	3054.51	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.75	4305.53	42.08

OPERATION REACH CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.18	4165.55	31.79

OPERATION RUNOFF CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.03	1644.64	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.32	5097.75	32.78

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.33	10494.13	38.00

OPERATION REACH CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.82	10659.97	29.74

OPERATION RUNOFF CROSS SECTION 4

PEAK TIME(HRS) 17.17
PEAK DISCHARGE(CFS) 2494.45
PEAK ELEVATION(FEET) (RUNOFF)

OPERATION ADDWYD CROSS SECTION 6

PEAK TIME(HRS) 20.22
PEAK DISCHARGE(CFS) 14654.54
PEAK ELEVATION(FEET) 30.61

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS) 21.44
PEAK DISCHARGE(CFS) 14516.93
PEAK ELEVATION(FEET) 20.99

OPERATION RUNOFF CROSS SECTION 5

PEAK TIME(HRS) 15.29
PEAK DISCHARGE(CFS) 2585.35
PEAK ELEVATION(FEET) (RUNOFF)

OPERATION ADDWYD CROSS SECTION 5

PEAK TIME(HRS) 20.97
PEAK DISCHARGE(CFS) 15708.49
PEAK ELEVATION(FEET) 21.66

OPERATION RUNOFF CROSS SECTION 16

PEAK TIME(HRS) 12.65
PEAK DISCHARGE(CFS) 400.24
PEAK ELEVATION(FEET) (RUNOFF)

*** WARNING REACH 17 ATT-KIN COEFF. (Q) GREATER THAN 0.667. CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 17

PEAK TIME(HRS) 10.20
PEAK DISCHARGE(CFS) 406.83
PEAK ELEVATION(FEET) 33.16

OPERATION RUNOFF CROSS SECTION 17

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.14 4100.05 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 17

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.07 4301.92 36.71

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSEDTN TABLE 16 BY 100.5 CFS

OPERATION REACH CROSS SECTION 16

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.31 4024.60 29.85

OPERATION RUNOFF CROSS SECTION 15

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
14.18 2312.12 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 14

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.70 5827.96 31.78

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSEDTN TABLE 15 BY 270.0 CFS

OPERATION REACH CROSS SECTION 15

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.25 5799.12 30.06

OPERATION RUNOFF CROSS SECTION 13

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
14.99 1056.05 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 13

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.07 8745.46 26.91

OPERATION REACH CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.69	6698.80	23.95

OPERATION RUNOFF CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.69	2258.93	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.48	8877.95	26.00

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 13 BY 1622.6 CFS

OPERATION REACH CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.39	7986.15	23.95

OPERATION RUNOFF CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.38	735.69	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.27	8405.27	23.91

*** WARNING REACH 5 ATT-KIN COEFF. (C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.27	8405.27	18.04

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.77	23824.18	24.47
OPERATION REACH	CROSS SECTION	4
PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.76	23296.40	20.21
OPERATION RUNOFF	CROSS SECTION	4
PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.00	1143.08	(RUNOFF)
OPERATION ACQHYD	CROSS SECTION	4
PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.68	23702.55	20.30
OPERATION REACH	CROSS SECTION	3
PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.68	23481.77	15.89
OPERATION RUNOFF	CROSS SECTION	3
PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.84	2554.52	(RUNOFF)
OPERATION ACQHYD	CROSS SECTION	3
PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.46	24627.38	17.11
OPERATION REACH	CROSS SECTION	2
PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
24.09	23076.46	10.20
OPERATION RUNOFF	CROSS SECTION	2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
18.01 2282.72 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 1

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
23.87 24131.78 13.44

OPERATION REACH CROSS SECTION 1

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
24.86 24004.16 11.07

OPERATION RUNOFF CROSS SECTION 1

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
19.88 6641.24 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 1

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
24.15 29844.52 12.02

EXECUTIVE CONTROL OPERATION ENDDMF COMPUTATIONS COMPLETED FOR PASS 1 RECORDED

EXECUTIVE CONTROL OPERATION ENDDMB RECORDED

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS ON THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFD) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC NOISE COND	MAIN TIME (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFD)	RATE (CSM)
ALTERNATE		0	STORM	0									
XSECTION 12	RUNOFF	20.33	1	2	.25	.0	8.20	24.00	4.99	---	17.10	4545.20	323.6
XSECTION 11	REACH	20.33	1	2	.25	.0	8.20	24.00	4.90	62.00	28.34	1295.16	112.9
XSECTION 11	RUNOFF	7.32	1	2	.25	.0	8.20	24.00	5.34	---	14.67	2781.35	380.0
XSECTION 11	ADDDHYD	27.65	1	2	.25	.0	8.20	24.00	5.02	61.36	24.33	3613.26	109.0
XSECTION 10	REACH	27.65	1	1	.25	.0	8.20	24.00	5.01	53.56	26.00	2927.35	107.7
XSECTION 10	RUNOFF	9.23	1	2	.25	.0	8.20	24.00	5.74	---	14.44	3552.03	405.1
XSECTION 10	ADDDHYD	37.48	1	2	.25	.0	8.20	24.00	5.09	54.95	13.46	5627.17	150.1
XSECTION 9	REACH	37.48	1	2	.25	.0	8.20	24.00	5.08	47.22	13.06	5010.22	133.7
XSECTION 9	RUNOFF	3.20	1	2	.25	.0	8.20	24.00	5.34	---	13.93	1358.60	476.7
XSECTION 9	ADDDHYD	40.68	1	1	.25	.0	8.20	24.00	5.10	47.72	17.41	5850.27	143.3
XSECTION 8	REACH	40.68	1	2	.25	.0	8.20	24.00	5.17	41.45	22.13	4890.65	120.2
XSECTION 8	RUNOFF	6.71	1	2	.25	.0	8.20	24.00	5.37	---	13.59	2184.67	325.2
XSECTION 8	ADDDHYD	47.39	1	2	.25	.0	8.20	24.00	5.12	42.01	20.37	6159.53	130.0
XSECTION 26	RUNOFF	5.65	1	2	.25	.0	8.20	24.00	4.99	---	13.43	1454.97	398.0
XSECTION 26	REACH	5.65	1	2	.25	.0	8.20	24.00	4.99	37.93	13.93	1671.14	293.2
XSECTION 25	RUNOFF	1.26	1	2	.25	.0	8.20	24.00	4.95	---	14.01	309.73	433.7
XSECTION 25	ADDDHYD	7.51	1	2	.25	.0	8.20	24.00	4.98	39.63	13.51	3710.17	306.3
XSECTION 24	REACH	7.51	1	2	.25	.0	8.20	24.00	4.95	37.97	13.00	2195.94	304.5
XSECTION 24	RUNOFF	.93	1	2	.25	.0	8.20	24.00	4.99	---	13.09	532.71	603.1
XSECTION 24	ADDDHYD	6.44	1	2	.25	.0	8.20	24.00	4.99	38.80	13.74	2594.97	307.5
XSECTION 27	REACH	8.44	1	2	.25	.0	8.20	24.00	4.99	36.30	13.74	2507.65	297.1
XSECTION 23	RUNOFF	1.06	1	2	.25	.0	8.20	24.00	5.34	---	13.08	659.89	650.8
XSECTION 23	ADDDHYD	9.50	1	2	.25	.0	8.20	24.00	5.02	37.22	13.50	2919.35	293.7
XSECTION 6	ADDDHYD	56.89	1	2	.25	.0	8.20	24.00	5.14	42.82	19.23	8357.84	147.4
XSECTION 7	REACH	56.89	1	2	.25	.0	8.20	24.00	5.17	33.01	19.19	9329.64	146.4
XSECTION 7	RUNOFF	1.20	1	2	.25	.0	8.20	24.00	4.99	---	13.65	593.10	436.8
XSECTION 7	ADDDHYD	58.09	1	2	.25	.0	8.20	24.00	5.13	33.24	19.02	8557.86	147.3
XSECTION 22	RUNOFF	6.49	1	2	.25	.0	8.20	24.00	4.99	---	13.03	2021.71	311.5
XSECTION 21	REACH	6.49	1	2	.25	.0	8.20	24.00	4.99	47.52	13.69	1850.75	285.3
XSECTION 21	RUNOFF	3.19	1	2	.25	.0	8.20	24.00	4.99	---	14.65	1143.03	358.3
XSECTION 21	ADDDHYD	9.68	1	2	.25	.0	8.20	24.00	4.99	42.64	13.04	3816.21	390.9
XSECTION 20	REACH	9.68	1	2	.25	.0	8.20	24.00	4.99	40.95	13.57	3408.74	346.6

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFB) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INDREK (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFB)	NOTE (CBM)
	ALTERNATE	0	STORM	0									
XSECTION	20 RUNOFF	7.44	1	2	.25	.0	8.20	24.00	4.95	---	14.18	3054.51	410.6
XSECTION	20 ADDHYD	17.12	1	2	.25	.0	8.20	24.00	4.95	42.06	16.75	4308.51	251.7
XSECTION	19 REACH	17.12	1	2	.25	.0	8.20	24.00	4.95	31.79	18.18	4160.55	243.1
XSECTION	19 RUNOFF	3.35	1	2	.25	.0	8.20	24.00	5.69	---	14.07	1644.64	491.9
XSECTION	19 ADDHYD	20.47	1	2	.25	.0	8.20	24.00	5.10	32.76	17.33	5087.75	245.5
XSECTION	7 ADDHYD	78.56	1	2	.25	.0	8.20	24.00	5.12	38.00	18.37	13494.13	171.8
XSECTION	6 REACH	78.56	1	2	.25	.0	8.20	24.00	5.11	29.74	20.80	12559.97	181.2
XSECTION	6 RUNOFF	11.28	1	2	.25	.0	8.20	24.00	4.95	---	17.17	2494.45	221.1
XSECTION	6 ADDHYD	89.84	1	2	.25	.0	8.20	24.00	5.10	30.61	20.23	14684.54	163.5
XSECTION	5 REACH	89.84	1	2	.25	.0	8.20	24.00	5.05	20.99	21.44	14516.93	161.6
XSECTION	5 RUNOFF	8.41	1	2	.25	.0	8.20	24.00	4.99	---	15.29	3336.35	307.5
XSECTION	5 ADDHYD	98.25	1	2	.25	.0	8.20	24.00	5.09	21.66	20.97	15925.49	161.9
XSECTION	18 RUNOFF	.44	1	2	.25	.0	8.20	24.00	5.69	---	12.56	413.24	999.4
XSECTION	17 REACH	.44	1	2	.25	.0	8.20	24.00	5.69	33.16	15.22	495.80	854.4
XSECTION	17 RUNOFF	11.45	1	2	.25	.0	8.20	24.00	5.69	---	15.14	4110.85	359.0
XSECTION	17 ADDHYD	11.91	1	2	.25	.0	8.20	24.00	5.69	36.71	15.03	4020.92	362.9
XSECTION	16 REACH	11.91	1	2	.25	.0	8.20	24.00	5.69	29.85	16.12	4024.50	337.9
XSECTION	16 RUNOFF	4.96	1	2	.25	.0	8.20	24.00	5.69	---	14.18	2712.12	466.0
XSECTION	16 ADDHYD	16.87	1	2	.25	.0	8.20	24.00	5.69	31.78	15.70	5827.96	343.5
XSECTION	15 REACH	16.87	1	2	.25	.0	8.20	24.00	5.69	31.04	15.25	5790.15	340.7
XSECTION	15 RUNOFF	2.95	1	2	.25	.0	8.20	24.00	5.46	---	14.99	1055.08	758.1
XSECTION	15 ADDHYD	19.82	1	2	.25	.0	8.20	24.00	5.66	30.91	16.07	6735.44	341.7
XSECTION	14 REACH	19.82	1	2	.25	.0	8.20	24.00	5.66	23.95	16.69	6698.80	338.0
XSECTION	14 RUNOFF	7.77	1	2	.25	.0	8.20	24.00	5.46	---	15.69	2358.93	308.2
XSECTION	14 ADDHYD	27.15	1	2	.25	.0	8.20	24.00	5.60	26.00	16.45	5277.95	317.0
XSECTION	13 REACH	27.15	1	2	.25	.0	8.20	24.00	5.60	23.55	16.39	7966.15	293.4
XSECTION	13 RUNOFF	1.87	1	2	.25	.0	8.20	24.00	5.10	---	14.33	735.69	793.4
XSECTION	13 ADDHYD	19.02	1	2	.25	.0	8.20	24.00	5.57	25.91	16.17	6415.27	299.9
XSECTION	5 REACH	29.02	1	2	.25	.0	8.20	24.00	5.57	18.14	18.27	5495.17	289.6
XSECTION	5 ADDHYD	127.27	1	2	.25	.0	8.20	24.00	5.19	24.47	19.77	3754.15	184.6
XSECTION	4 REACH	127.27	1	2	.25	.0	8.20	24.00	5.19	20.21	20.76	3390.40	183.9
XSECTION	4 RUNOFF	2.56	1	2	.25	.0	8.20	24.00	5.10	---	14.00	1147.08	416.5
XSECTION	4 ADDHYD	109.53	1	2	.25	.0	8.20	24.00	5.19	20.50	20.65	33700.55	180.9
XSECTION	7 REACH	129.57	1	2	.25	.0	8.20	24.00	5.19	16.65	21.65	27481.73	160.7
XSECTION	7 RUNOFF	7.08	1	2	.25	.0	8.20	24.00	5.46	---	14.94	2594.93	282.7
XSECTION	7 ADDHYD	176.91	1	2	.25	.0	8.20	24.00	5.20	17.11	21.46	24627.78	179.9

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ADJUSTABLE LIMITS, SEE PREVIOUS WARNINGS)

XSEC	REACH	HYDROGRAPH INFORMATION							ROUTING PARAMETERS						PEAK				
		INFLOW		OUTFLOW		OUTFLOW+		BASE- FLOW	VOLUME ABOVE BASE	MAIN TIME (HR)	ITER- ACTION #	C AND A		PEAK RATIO	S/O @PEAK (K)	ATT- KIN COEFF (C)	TRAVEL TIME		
		PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)					COEFF (X)	POWER (M)				LENGTH FACTOR (K)	STOP- AGE (HR)	KINE- MATIC (M)
	ALTERNATE	0	STORM	0															
11	16286	4544	17.0	3295	26.3	5017	24.0	0	4.99	.25	2	.160	1.09	.624	.508	39600	.02	5.05	11.04
10	6950	3013	24.0	2968	26.0	5627	15.3	0	6.02	.25	1	.100	1.24	.037	.985	6000	.14	1.50	1.68
9	9626	5827	15.5	5012	18.0	5389	17.5	0	5.09	.25	1	.035	1.41	.043	.891	5044	.14	2.50	1.71
8	19251	5849	17.5	4890	22.0	6158	20.0	0	5.10	.25	1	1.58	1.00	.150	.836	12333	.07	4.75	6.40
25	4700	1685	15.5	1671	16.0	2302	16.5	0	4.99	.25	1	.201	1.41	.015	.992	1025	.54	.50	.34
24	4200	2302	15.5	2290	16.0	2595	16.8	0	4.98	.25	1	.239	1.35	.012	.995	1074	.56	.50	.31
23	5400	2595	15.8	2508	16.8	2819	16.5	0	4.99	.25	1	.706	1.13	.055	.965	2570	.37	1.00	.72
7	5142	8388	18.0	8325	19.0	8558	19.0	0	5.14	.25	1	.627	1.15	.021	.993	2327	.32	1.00	.56
21	8850	2022	15.0	1853	16.8	2616	16.0	0	4.99	.25	1	.060	1.35	.034	.917	3778	.21	1.50	1.08
20	12050	2816	16.0	2408	18.5	4709	16.8	0	4.99	.25	2	.019	1.52	.140	.855	7179	.12	2.50	2.05
19	11850	4309	16.8	4152	18.0	5057	17.0	0	4.99	.25	2	2.70	1.00	.095	.966	4686	.19	1.50	1.22
8	14250	13492	18.0	12659	20.8	14634	20.0	0	5.12	.25	2	.167	1.26	.071	.938	6730	.15	2.50	1.88
5	10570	14634	20.0	14514	21.5	15908	21.0	0	5.10	.25	1	.311	1.20	.030	.955	3217	.25	1.25	.85
17	3014	410	15.0	407	13.0	4321	15.0	0	5.69	.25	1	.258	1.51	.016	.990	642	.627	.25	.18
16	9120	4321	15.0	4024	16.0	5827	15.5	0	5.69	.25	3	.295	1.27	.055	.931	3312	.54	1.25	.97
15	4960	5827	15.8	5790	16.0	6764	16.0	0	5.69	.25	1	.256	1.32	.014	.994	1278	.52	.50	.36
14	4957	6764	16.0	6698	16.8	8578	16.5	0	5.66	.25	1	3.28	1.07	.041	.990	1528	.46	.75	.47
13	6796	8578	16.5	7963	18.5	8408	18.0	0	5.60	.25	1	.182	1.21	.015	.957	3527	.15	2.00	1.55
5	1000	8408	18.0	8408	18.0	---	---	0	5.67	.25	0	.767	1.15	.005	1.000	350	1.00	.00	.00
4	8555	23290	19.8	23290	20.8	23701	20.8	0	5.19	.25	1	.115	1.35	.020	.990	2698	.29	1.00	.75
3	8415	27701	20.8	23460	21.8	24627	21.5	0	5.19	.25	1	.009	1.57	.014	.990	2810	.28	1.00	.75
2	16026	24627	21.5	23075	24.0	24178	23.5	0	5.20	.25	2	.000	1.81	.055	.937	7735	.11	2.50	2.15
1	15000	24178	23.8	24001	24.5	29641	24.0	0	5.20	.25	1	.014	1.61	.012	.993	3666	.27	1.00	.80

SUMMARY TABLE 3 - DISCHARGE (CFE) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (60 AC)	STORM NUMBERS..... 0
XSECTION 1	188.07	
ALTERNATE 0		27444.50
XSECTION 2	144.97	
ALTERNATE 0		24131.78
XSECTION 3	136.91	
ALTERNATE 0		24627.38
XSECTION 4	125.80	
ALTERNATE 0		23702.55
XSECTION 5	127.27	
ALTERNATE 0		23524.19
XSECTION 6	88.83	
ALTERNATE 0		14634.54
XSECTION 7	78.74	
ALTERNATE 0		13494.13
XSECTION 8	56.85	
ALTERNATE 0		8367.64
XSECTION 9	40.65	
ALTERNATE 0		5850.07
XSECTION 10	37.48	
ALTERNATE 0		5627.17
XSECTION 11	27.65	
ALTERNATE 0		3013.16
XSECTION 12	20.33	
ALTERNATE 0		4545.20
XSECTION 13	25.00	
ALTERNATE 0		8445.27
XSECTION 14	27.15	
ALTERNATE 0		6977.95

SUMMARY TABLE 3 - DISCHARGE (QFS) AT SECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

SECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 0
SECTION 15	19.92	
ALTERNATE 0		6765.48
SECTION 16	16.87	
ALTERNATE 0		5927.98
SECTION 17	11.91	
ALTERNATE 0		4761.92
SECTION 18	8.46	
ALTERNATE 0		413.24
SECTION 19	20.47	
ALTERNATE 0		5087.75
SECTION 20	17.12	
ALTERNATE 0		4908.50
SECTION 21	8.88	
ALTERNATE 0		2816.21
SECTION 22	8.49	
ALTERNATE 0		2021.70
SECTION 23	9.30	
ALTERNATE 0		3913.36
SECTION 24	8.44	
ALTERNATE 0		2594.97
SECTION 25	7.51	
ALTERNATE 0		2792.03
SECTION 26	8.89	
ALTERNATE 0		1884.87

END OF 1 JOBS IN THIS RUN

RUN 4

TRD0 NEG 10-17-91 09:58
REV PD 09'83(2)

080 CREEK RUN 2010 DEV. 100YR.

JOB 1 PAGE 1
PAGE 1

COMPUTER PROGRAM FOR PROJECT FORMULATION - HYDROLOGY USER NOTES

THE USERS MANUAL FOR THIS PROGRAM IS THE MAY 1982 DRAFT OF TR-20. CHANGES FROM THE 2/14/74 VERSION INCLUDE:

REACH ROUTING - THE MODIFIED ATT-KIN ROUTING PROCEDURE REPLACES THE CONVEX METHOD. INPUT DATA PREPARED FOR PREVIOUS PROGRAM VERSIONS USING CONVEX ROUTING COEFFICIENTS WILL NOT RUN ON THIS VERSION.

THE PREFERRED TYPE OF DATA ENTRY IS CROSS SECTION DATA REPRESENTATIVE OF A REACH. IT IS RECOMMENDED THAT THE OPTIONAL CROSS SECTION DISCHARGE-AREA PLOTS BE OBTAINED WHENEVER NEW CROSS SECTION DATA IS ENTERED. THE PLOTS SHOULD BE CHECKED FOR REASONABLENESS AND ADEQUACY OF INPUT DATA FOR THE COMPUTATION OF "K" VALUES USED IN THE ROUTING PROCEDURE.

GUIDELINES FOR DETERMINING OR ANALYZING REACH LENGTHS AND COEFFICIENTS (X,M) ARE AVAILABLE IN THE USERS MANUAL. SUMMARY TABLE 2 DISPLAYS REACH ROUTING RESULTS AND ROUTING PARAMETERS FOR COMPARISON AND CHECKING.

HYDROGRAPH GENERATION - THE PROCEDURE TO CALCULATE THE INTERNAL TIME INCREMENT AND PEAK TIME OF THE UNIT HYDROGRAPH HAVE BEEN IMPROVED. PEAK DISCHARGES AND TIMES MAY DIFFER FROM THE PREVIOUS VERSION. OUTPUT HYDROGRAPHS ARE STILL INTERPOLATED, PRINTED, AND ROUTED AT THE USER SELECTED MAIN TIME INCREMENT.

INTERMEDIATE PEAKS - METHOD ADDED TO PROVIDE DISCHARGES AT INTERMEDIATE POINTS WITHIN REACHES WITHOUT ROUTING.

OTHER - THIS VERSION CONTAINS SOME ADDITIONS TO THE INPUT AND NUMEROUS MODIFICATIONS TO THE OUTPUT. USER OPTIONS HAVE BEEN MODIFIED AND AUGMENTED ON THE JOB RECORD. RAINFALLS ADDED, ERROR AND WARNING MESSAGES EXPANDED, AND THE SUMMARY TABLES COMPLETELY REVISED. THE HOLDOUT OPTION IS NOT OPERATIONAL AT THIS TIME.

PROGRAM QUESTIONS OR PROBLEMS SHOULD BE DIRECTED TO HYDRAULIC ENGINEERS AT THE SCS NATIONAL TECHNICAL CENTER:
CHESTER, PA (NORTHEAST) -- 215-499-3933. FORT WORTH, TX (SOUTH) -- 354-5142 (FTS)
LINDOLN, NE (MIDWEST) -- 541-8318 (FTS). PORTLAND, OR (WEST) -- 425-4099 (FTS)

PROGRAM CHANGES SINCE MAY 1982:

- 12/17/82 - CORRECT PEAK RATE FACTOR FOR USER ENTERED DIMHYD
- CORRECT REACH ROUTING PEAK TRAVEL TIME PRINTED WITH FULLPRINT OPTION
- 5/02/83 - CORRECT COMPUTATIONS FOR ---
 1. DIVISION OF BASEFLOW IN DIVERT OPERATION
 2. HYDROGRAPH VOLUME SPLIT BETWEEN BASEFLOW AND ABOVE BASEFLOW
 3. CROSS SECTION DATA PLOTTING POSITION
 4. INTERMEDIATE PEAK WHEN "FROM" AREA IS LARGER THAN "THRU" AREA
 5. STORAGE ROUTED REACH TRAVEL TIME FOR MULTIPLE PEAK HYDROGRAPH
 6. ORDERING "FLOW-FREQ" FILE FROM SUMMARY TABLE #0 DATA
 7. BASEFLOW ENTERED WITH READHYD
 8. LOW FLOW SPLIT DURING DIVERT PROCEDURE #2 WHEN SECTION RATIOS START AT DIFFERENT ELEVATIONS
- ENHANCEMENTS ---
 1. REPLACE USER MANUAL ERROR CODES (PAGE 4-9 TO 4-11) WITH MESSAGES
 2. LABEL OUTPUT HYDROGRAPH PILES WITH CROSS SECTION/STRUCTURE, ALTERNATE AND STORM NO'S
- 07/01/83 - CORRECT INPUT AND OUTPUT ERRORS FOR INTERMEDIATE PEAKS
- CORRECT COMBINATION OF RATING TABLES FOR DIVERT
- CHECK REACH ROUTING PARAMETERS FOR ACCEPTABLE LIMITS
- ELIMINATE MINIMUM REACH TRAVEL TIME WHEN ATT-KIN COEFFICIENT EQUALS ONE

EXECUTIVE CONTROL OPERATION LIST

RECORD 10

LISTING OF CURRENT DATA

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 1	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		.00	.00	.00
1		4.05	740.00	760.00
2		6.72	4701.00	2872.00
3		8.55	9402.00	4316.00
4		11.83	28205.00	8173.00
5		13.08	37606.00	9806.00
6		14.11	47008.00	12148.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 2	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		.00	.00	.00
1		4.83	725.00	1303.00
2		7.03	3622.00	7125.00
3		9.75	7247.00	9721.00
4		12.97	21740.00	19582.00
5		14.38	28996.00	24854.00
6		15.51	36253.00	28275.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 3	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		.80	.00	.00
1		6.39	685.00	1084.00
2		9.76	3423.00	3703.00
3		11.75	6846.00	6415.00
4		14.38	20537.00	11443.00
5		17.61	27352.00	13348.00
6		18.64	34228.00	14998.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 4	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		.50	.00	.00
0		7.39	649.00	656.00
0		11.56	3246.00	1943.00
0		13.92	6492.00	3266.00
0		19.36	19476.00	7458.00
0		20.81	25966.00	9278.00
0		21.92	32456.00	11245.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 5	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		.00	.00	.00
0		8.39	536.00	327.00
0		14.25	3182.00	1512.00
0		17.06	6364.00	2712.00
0		23.20	15091.00	6400.00
0		25.03	25454.00	9129.00
0		26.47	31818.00	12272.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 6	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		12.50	.00	.00
0		18.19	449.00	709.00
0		22.29	2246.00	1620.00
0		24.92	4492.00	2776.00
0		30.27	13476.00	6048.00
0		31.66	17968.00	10758.00
0		32.67	22460.00	13089.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 7	1.0000		
		ELEVATION	DISCHARGE	END AREA

00	16.90	.00	.00
00	20.90	290.00	257.00
00	24.70	1452.00	956.00
00	27.50	2905.00	1758.00
00	33.40	8714.00	4634.00
00	35.10	11618.00	6094.00
00	36.50	14523.00	7385.00
00	ENDTBL		

XSECTN NO. DRAINAGE AREA
8 XSECTN 8 1.0000

	ELEVATION	DISCHARGE	END AREA
00	37.40	.00	.00
00	38.05	237.00	71.00
00	39.35	1185.00	728.00
00	40.33	2370.00	1676.00
00	42.43	7109.00	4438.00
00	43.15	9478.00	5607.00
00	73.78	11848.00	6499.00
00	ENDTBL		

XSECTN NO. DRAINAGE AREA
9 XSECTN 9 1.0000

	ELEVATION	DISCHARGE	END AREA
00	39.40	.00	.00
00	42.27	303.00	432.00
00	44.27	1017.00	1506.00
00	45.44	2034.00	2462.00
00	47.67	6102.00	5265.00
00	48.65	8126.00	6495.00
00	49.31	10170.00	7482.00
00	ENDTBL		

XSECTN NO. DRAINAGE AREA
10 XSECTN 10 1.0000

	ELEVATION	DISCHARGE	END AREA
00	46.20	.00	.00
00	50.09	187.00	750.00
00	51.93	937.00	1256.00
00	52.97	1874.00	2159.00
00	54.98	5822.00	5535.00
00	55.81	7436.00	7208.00
00	56.14	9370.00	9054.00

5	11.00	.00	.00
6	12.07	136.00	34.00
7	17.50	675.00	79.00
8	15.32	1358.00	133.00
9	21.10	4073.00	459.00
0	22.75	5470.00	1054.00
0	24.03	6785.00	2087.00
9	ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 15	1.0000		
		ELEVATION	DISCHARGE	END AREA
5		19.40	.00	.00
6		20.54	99.00	119.00
7		22.16	496.00	309.00
8		23.58	991.00	488.00
9		27.40	2973.00	1059.00
0		35.48	3964.00	1237.00
0		39.34	4955.00	1433.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
0	XSECTN 16	1.0000		
		ELEVATION	DISCHARGE	END AREA
5		19.50	.00	.00
6		20.79	84.00	92.00
7		22.64	422.00	307.00
8		24.17	844.00	500.00
9		28.01	2531.00	1075.00
0		29.16	3374.00	1312.00
0		30.88	4018.00	2031.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
0	XSECTN 17	1.0000		
		ELEVATION	DISCHARGE	END AREA
5		28.02	.00	.00
6		30.16	60.00	37.00
7		31.56	295.00	106.00
8		34.20	590.00	170.00
9		36.32	1787.00	3440.00
0		36.68	2380.00	4240.00
0		36.85	2878.00	4345.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 18	1,0000		
		ELEVATION	DISCHARGE	END AREA
0		31.60	.00	.00
0		31.72	2.00	1.00
0		32.89	12.00	14.00
0		34.62	23.00	46.00
0		36.28	69.00	90.00
0		36.89	92.00	110.00
0		36.90	115.00	111.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 19	1,0000		
		ELEVATION	DISCHARGE	END AREA
0		25.00	.00	.00
0		26.09	102.00	24.00
0		27.10	512.00	88.00
0		27.76	1024.00	153.00
0		30.11	3071.00	525.00
0		31.72	4094.00	1433.00
0		32.79	5118.00	2615.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 20	1,0000		
		ELEVATION	DISCHARGE	END AREA
0		37.80	.00	.00
0		38.68	96.00	261.00
0		39.42	438.00	743.00
0		39.91	856.00	1182.00
0		41.09	2569.00	2783.00
0		41.57	3404.00	3786.00
0		42.04	4280.00	3640.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 21	1,0000		
		ELEVATION	DISCHARGE	END AREA

m	43.10	.00	.00
m	44.65	48.00	71.00
m	45.94	242.00	402.00
m	46.56	424.00	689.00
m	47.60	1452.00	1409.00
m	47.99	1936.00	1749.00
m	48.35	2420.00	2110.00
* ENDTBL			

XSECTN NO. DRAINAGE AREA
 2 XSECTN 22 1.0000

	ELEVATION	DISCHARGE	END AREA
m	50.00	.00	.00
m	50.70	32.00	68.00
m	50.84	152.00	97.00
m	51.05	325.00	149.00
m	51.85	574.00	264.00
m	51.94	1298.00	508.00
m	52.16	1623.00	627.00
* ENDTBL			

XSECTN NO. DRAINAGE AREA
 2 XSECTN 23 1.0000

	ELEVATION	DISCHARGE	END AREA
m	25.00	.00	.00
m	25.54	48.00	32.00
m	25.52	238.00	132.00
m	27.07	475.00	267.00
m	32.72	1425.00	890.00
m	34.51	1900.00	1115.00
m	35.91	2375.00	1312.00
* ENDTBL			

XSECTN NO. DRAINAGE AREA
 2 XSECTN 24 1.0000

	ELEVATION	DISCHARGE	END AREA
m	28.00	.00	.00
m	30.14	42.00	40.00
m	31.75	211.00	151.00
m	32.71	422.00	334.00
m	35.13	1266.00	471.00
m	36.33	1652.00	601.00
m	37.48	2110.00	733.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 25	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		29.50	.00	.00
8		31.42	35.00	34.00
8		33.14	188.00	143.00
8		34.04	376.00	215.00
8		35.43	1127.00	450.00
8		37.48	1502.00	551.00
8		38.49	1878.00	676.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 26	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		32.00	.00	.00
8		33.40	38.00	22.00
8		35.17	146.00	100.00
8		35.93	293.00	168.00
8		35.23	548.00	375.00
8		35.17	1100.00	474.00
8		40.15	1417.00	553.00

9 ENDTBL

4 DIMHYD TIME INCREMENT .1022 (INPUT VALUE OF .022 NOT EQUAL TO COMPUTED VALUE; COMPUTED VALUE USED.)

8	.0000	.1500	.3000	.4500	.6000
8	1.0000	.3500	.8900	1.7800	2.9900
8	.5900	.5200	1.4800	1.4700	3.7900
8	.7500	.7200	1.2700	1.2500	2.3000
8	.2100	.2000	1.1900	1.1800	1.1700
8	.1500	.1500	1.1400	1.1300	1.1200
8	.1100	.1000	1.0900	1.0800	1.0700
8	.0600	.0500	1.0450	1.0400	1.0350
8	.0300	.0250	1.0200	1.0150	1.0100
8	.0000	.0000	1.0000	1.0000	1.0000

9 ENDTBL

COMPUTED PEAK RATE FACTOR = 355.06

TABLE NO.	TIME INCREMENT				
5 RAINFL 1	.2500				
8	.0000	.0020	.0050	.0070	.0100
8	.0120	.0150	.0170	.0200	.0230
8	.0260	.0290	.0310	.0340	.0370
8	.0400	.0430	.0470	.0500	.0530
8	.0570	.0600	.0640	.0680	.0720
8	.0760	.0800	.0850	.0890	.0940
8	.1000	.1070	.1150	.1220	.1300
8	.1390	.1490	.1570	.1670	.1780
8	.1890	.2020	.2160	.2320	.2500
8	.2710	.2980	.3350	.5000	.6620
8	.7020	.7290	.7510	.7690	.7950
8	.7990	.8110	.8230	.8340	.8440
8	.8530	.8620	.8700	.8780	.8860
8	.8930	.9000	.9070	.9110	.9160
8	.9200	.9250	.9290	.9330	.9360
8	.9400	.9440	.9470	.9510	.9540
8	.9570	.9600	.9630	.9660	.9690
8	.9720	.9750	.9780	.9810	.9830
8	.9860	.9890	.9910	.9930	.9950
8	.9990	1.0000	1.0000	1.0000	1.0000
9 ENDTBL					

TABLE NO.	TIME INCREMENT				
6 RAINFL 2	1.0000				
8	.0000	.2300	.9900	1.7400	1.9300
8	2.0100	2.4900	2.5100	2.5100	2.5800
8	3.0700	3.2900	3.4500	3.6500	3.9000
8	4.1900	4.7100	5.2100	5.8300	6.1200
8	6.3400	6.7200	6.8000	7.2500	7.4300
8	7.7000	7.9800	7.9900	8.0400	8.1200
8	8.2700	8.3500	8.4600	8.5100	8.5500
8	8.7900	10.2500	12.5800	12.8700	13.1100
8	13.1900	13.2700	13.2900	13.3200	13.3200
9 ENDTBL					

TABLE NO.	TIME INCREMENT				
5 RAINFL 3	1.0000				
8	.0000	.2200	.6000	.6800	1.1300
8	1.3100	1.5300	1.7600	1.8700	1.9200
8	2.0000	2.1500	2.2500	2.3400	2.3900

2	2.4300	2.6700	4.1300	6.4600	6.7500
3	6.9500	7.0700	7.1500	7.1700	7.2000
4	7.2000	.0000	.0000	.0000	.0000
9	ENDTBL				

TABLE NO.
5 RAINFL 4

TIME INCREMENT
.5000

1	.0000	.0040	.0080	.0120	.0160
2	.0200	.0250	.0300	.0350	.0400
3	.0450	.0500	.0550	.0600	.0650
4	.0700	.0750	.0810	.0870	.0930
5	.0990	.1050	.1110	.1180	.1250
6	.1320	.1400	.1480	.1560	.1650
7	.1740	.1840	.1950	.2070	.2200
8	.2360	.2550	.2770	.3030	.4090
9	.5150	.5490	.5830	.6050	.6240
10	.6400	.6550	.6690	.6830	.6940
11	.7050	.7160	.7270	.7380	.7490
12	.7580	.7670	.7760	.7840	.7920
13	.8000	.8090	.8160	.8230	.8300
14	.8370	.8440	.8510	.8580	.8640
15	.8700	.8760	.8820	.8880	.8940
16	.9000	.9050	.9110	.9160	.9210
17	.9260	.9310	.9360	.9410	.9460
18	.9510	.9560	.9610	.9660	.9710
19	.9760	.9800	.9840	.9880	.9920
20	.9960	1.0000	1.0000	1.0000	1.0000
9	ENDTBL				

TABLE NO.
7 RAINFL 5

TIME INCREMENT
.5000

1	.0000	.0020	.0050	.0080	.0110
2	.0140	.0170	.0200	.0230	.0260
3	.0290	.0330	.0350	.0380	.0410
4	.0440	.0470	.0510	.0550	.0590
5	.0630	.0670	.0710	.0750	.0790
6	.0840	.0890	.0940	.0990	.1040
7	.1090	.1140	.1200	.1250	.1300
8	.1400	.1470	.1540	.1620	.1710
9	.1810	.1910	.2040	.2170	.2330
10	.2520	.2770	.3180	.3830	.4980
11	.7290	.7520	.7700	.7850	.7980
12	.8090	.8150	.8290	.8380	.8460
13	.8540	.8610	.8690	.8740	.8800
14	.8860	.8920	.8970	.9020	.9070

0	.9120	.9170	.9210	.9250	.9290
10	.9330	.9370	.9410	.9450	.9490
20	.9530	.9570	.9600	.9630	.9660
30	.9690	.9720	.9750	.9780	.9810
40	.9840	.9870	.9900	.9930	.9960
50	.9980	1.0000	1.0000	1.0000	1.0000

9 ENDTBL

TABLE NO. TIME INCREMENT
 5 RAINFALL .0200

0	.0000	.0080	.0162	.0246	.0333
10	.0425	.0524	.0630	.0743	.0863
20	.0990	.1124	.1265	.1420	.1593
30	.1800	.2050	.2350	.2700	.3170
40	.3300	.3830	.4330	.4890	.5440
50	.7050	.7240	.7420	.7590	.7750
60	.7900	.8040	.8180	.8310	.8430
70	.8560	.8670	.8790	.8890	.9000
80	.9100	.9200	.9290	.9390	.9480
90	.9570	.9660	.9740	.9830	.9910
100	1.0000	1.0000	1.0000	1.0000	1.0000

10 ENDTBL

STANDARD CONTROL INSTRUCTIONS

6	RUNOFF	1	12	7	20.3300	75.0000	6.31001	0	0	0	0	1
6	REACH	3	11	6	15280.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	11	5	7.3200	76.0000	3.47001	0	0	0	0	1
6	ADDHYD	4	11	5 6 7			1	0	0	0	0	1
6	REACH	3	10	7 6	6950.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	10	5	9.5300	76.0000	3.19001	0	0	0	0	1
6	ADDHYD	4	10	5 6 7			1	0	0	0	0	1
6	REACH	3	9	7 6	9525.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	9	5	3.2000	76.0000	2.57001	0	0	0	0	1
6	ADDHYD	4	9	6 5 7			1	0	0	0	0	1
6	REACH	3	8	7 5	19251.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	8	7	5.7100	79.0000	4.65001	0	0	0	0	1
6	ADDHYD	4	8	7 5 6			1	0	0	0	0	1
6	SAVMOV	5	8	6 1								
6	RUNOFF	1	26	7	5.6500	73.0000	4.73001	0	0	0	0	1
6	REACH	3	25	7 6	4700.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	25	5	1.8600	75.0000	2.63001	0	0	0	0	1
6	ADDHYD	4	25	6 5 7			1	0	0	0	0	1
6	REACH	3	24	7 5	4200.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	24	5	.7300	73.0000	1.69001	0	0	0	0	1
6	ADDHYD	4	24	5 6 7			1	0	0	0	0	1
6	REACH	3	23	7 5	5400.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	23	6	1.0600	76.0000	1.69001	0	0	0	0	1
6	ADDHYD	4	23	5 6 7			1	0	0	0	0	1
6	SAVMOV	5	23	7 4								
6	ADDHYD	4	6	4 1 3			1	0	0	0	0	1
6	REACH	3	7	5 6	5142.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	7	7	1.2000	75.0000	2.21001	0	0	0	0	1
6	ADDHYD	4	7	7 6 5			1	0	0	0	0	1
6	SAVMOV	5	7	5 1								
6	RUNOFF	1	22	7	5.4900	75.0000	4.09001	0	0	0	0	1
6	REACH	3	21	7 6	5850.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	21	5	3.1900	75.0000	3.40001	0	0	0	0	1
6	ADDHYD	4	21	5 6 7			1	0	0	0	0	1
6	REACH	3	20	7 5	12050.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	20	7	7.4400	73.0000	2.84001	0	0	0	0	1
6	ADDHYD	4	20	5 7 6			1	0	0	0	0	1
6	REACH	3	19	6 5	11850.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	19	7	3.7500	79.0000	2.70001	0	0	0	0	1
6	ADDHYD	4	19	7 5 6			1	0	0	0	0	1
6	SAVMOV	5	19	6 3								
6	ADDHYD	4	7	3 1 7			1	0	0	0	0	1
6	REACH	3	6	7 5	14250.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	6	6	11.2800	75.0000	6.40001	0	0	0	0	1
6	ADDHYD	4	6	5 6 7			1	0	0	0	0	1

6	REACH	3	5	7	6	10870.0000	.0000	.000001	0	0	0	0	1
6	RUNOFF	1	5		5	3.4100	73.0000	4.120001	0	0	0	0	1
6	ADDHYD	4	5	6	5			1	0	0	0	0	1
6	SAVMOV	5	5	7	1								
6	RUNOFF	1	18		7	.4500	79.0000	1.170001	0	0	0	0	1
6	REACH	7	17		6	3014.0000	.0000	.000001	0	0	0	0	1
6	RUNOFF	1	17		7	11.4500	79.0000	4.070001	0	0	0	0	1
6	ADDHYD	4	17	7	5			1	0	0	0	0	1
6	REACH	3	15	5	7	9120.0000	.0000	.000001	0	0	0	0	1
6	RUNOFF	1	15		6	4.9500	79.0000	2.900001	0	0	0	0	1
6	ADDHYD	4	15	6	7			1	0	0	0	0	1
6	REACH	3	15	5	7	4960.0000	.0000	.000001	0	0	0	0	1
6	RUNOFF	1	15		6	5.9500	77.0000	7.850001	0	0	0	0	1
6	ADDHYD	4	15	6	7			1	0	0	0	0	1
6	REACH	3	14	5	7	4997.0000	.0000	.000001	0	0	0	0	1
6	RUNOFF	1	14		6	7.3300	77.0000	4.710001	0	0	0	0	1
6	ADDHYD	4	14	6	7			1	0	0	0	0	1
6	REACH	3	13	5	7	6793.0000	.0000	.000001	0	0	0	0	1
6	RUNOFF	1	13		6	1.8700	74.0000	3.110001	0	0	0	0	1
6	ADDHYD	4	13	6	7			1	0	0	0	0	1
6	SAVMOV	5	13	5	2								
6	REACH	3	8	2	7	1000.0000	.0000	.000001	0	0	0	0	1
6	ADDHYD	4	5	3	6			1	0	0	0	0	1
6	REACH	3	4	5	5	8955.0000	.0000	.000001	0	0	0	0	1
6	RUNOFF	1	4		7	2.5500	74.0000	2.630001	0	0	0	0	1
6	ADDHYD	4	4	7	5			1	0	0	0	0	1
6	REACH	3	3	6	5	9415.0000	.0000	.000001	0	0	0	0	1
6	RUNOFF	1	3		7	7.0500	77.0000	3.810001	0	0	0	0	1
6	ADDHYD	4	3	7	5			1	0	0	0	0	1
6	REACH	3	2	6	5	16025.0000	.0000	.000001	0	0	0	0	1
6	RUNOFF	1	2		7	8.0200	76.0000	5.070001	0	0	0	0	1
6	ADDHYD	4	2	5	6			1	0	0	0	0	1
6	REACH	3	1	6	5	15001.0000	.0000	.000001	0	0	0	0	1
6	RUNOFF	1	1		7	45.1000	73.0000	9.750001	0	0	0	0	1
6	ADDHYD	4	1	5	6			1	0	0	0	0	1

ENDATA

END OF LISTING

EXECUTIVE CONTROL OPERATION INCFEM MAIN TIME INCREMENT = .25 HOURS RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 1 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 10.60 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 ANT. MODET. COND= 2
ALTERNATE NO.= 0 STORM NO.= 0 MAIN TIME INCREMENT = .25 HOURS

OPERATION RUNOFF CROSS SECTION 12

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.00	6574.30	(RUNOFF)

OPERATION REACH CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.35	3455.76	62.58

OPERATION RUNOFF CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.52	3966.21	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.82	4095.48	62.90
15.97	4542.28	63.24

OPERATION REACH CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.41	4482.29	54.37

OPERATION RUNOFF CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.38	5675.10	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 10

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
 15.24 8289.29 55.93

OPERATION REACH CROSS SECTION 8

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
 17.86 7497.46 42.39

OPERATION RUNOFF CROSS SECTION 9

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
 13.89 2175.62 (RUNOFF)

OPERATION ADD4Y0 CROSS SECTION 9

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
 16.95 8718.73 48.84

OPERATION REACH CROSS SECTION 8

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
 21.47 7394.21 42.50

OPERATION RUNOFF CROSS SECTION 8

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
 15.53 3184.65 (RUNOFF)

OPERATION ADD4Y0 CROSS SECTION 8

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
 19.87 9186.60 43.06

OPERATION RUNOFF CROSS SECTION 26

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
 15.24 2441.51 (RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX. FLOW IN XSECTN TABLE 05 BY 361.7 CFS

OPERATION REACH CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.87	2421.30	39.95

OPERATION RUNOFF CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.76	1670.87	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.41	3837.67	42.40

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 24 BY 1022.7 CFS

OPERATION REACH CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.92	3317.26	40.75

OPERATION RUNOFF CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.27	814.10	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.67	3751.05	41.95

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 20 BY 1074.7 CFS

OPERATION REACH CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.50	3661.45	39.70

OPERATION RUNOFF CROSS SECTION 23

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
13.26 980.65 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 20

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.26 4114.26 41.04

OPERATION ADDHYD CROSS SECTION 2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
17.92 12490.74 82.09

OPERATION RUNOFF CROSS SECTION 7

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
13.62 868.26 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
18.72 12728.17 35.64

OPERATION RUNOFF CROSS SECTION 20

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.16 2929.26 (RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 20 BY 507.5 CFS

OPERATION REACH CROSS SECTION 21

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.59 2685.47 48.55

OPERATION RUNOFF CROSS SECTION 21

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
14.60 1657.69 (RUNOFF)

OPERATION ADDHY1 CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.97	4086.29	49.58

OPERATION REACH CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.34	3590.61	41.61

OPERATION RUNOFF CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.13	4437.84	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.89	6066.66	47.13

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTION TABLE 19 BY 1142.9 CFS

OPERATION REACH CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.92	5481.62	37.36

OPERATION RUNOFF CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.00	2004.75	(RUNOFF)

OPERATION ADDHY2 CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.04	3796.85	34.54

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
18.47 19488.95 36.89

OPERATION REACH CROSS SECTION 4

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.11 18195.95 31.71

OPERATION RUNOFF CROSS SECTION 6

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
17.06 3406.50 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 6

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
20.52 21035.95 32.34

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.67 20800.92 33.59

OPERATION RUNOFF CROSS SECTION 5

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.22 3747.16 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.18 22710.78 24.04

OPERATION RUNOFF CROSS SECTION 18

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
12.67 550.12 (RUNOFF)

*** WARNING REACH 17 ATT-NIA COEFF.(0) GREATER THAN 0.667. CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 17

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
13.19	570.35	34.06

OPERATION RUNOFF CROSS SECTION 17

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
15.09	5757.44	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 17

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
14.98	2133.92	36.74

*** WARNING - INFLOW EXCEEDED MAX. FLOW IN XSECTION TABLE 16 BY 1240.9 CFS

OPERATION REACH CROSS SECTION 16

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
13.81	5082.12	31.15

OPERATION RUNOFF CROSS SECTION 16

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
14.14	2241.38	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 16

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
14.12	7609.52	32.68

*** WARNING - INFLOW EXCEEDED MAX. FLOW IN XSECTION TABLE 16 BY 2451.4 CFS

OPERATION REACH CROSS SECTION 15

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
16.70	7563.50	31.50

OPERATION RUNOFF CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.97	1496.85	(RUNOFF)

OPERATION ABQHYD CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.39	8868.07	32.74

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 14 BY 2076.9 CFS

OPERATION REACH CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.27	8574.15	25.81

OPERATION RUNOFF CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.62	3201.54	(RUNOFF)

OPERATION ABQHYD CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.96	11587.77	25.85

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 13 BY 4332.2 CFS

OPERATION REACH CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.80	10703.26	25.80

OPERATION RUNOFF CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.34	1060.95	(RUNOFF)

OPERATION ABQHYD CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.65	11234.31	25.27

*** WARNING REACH 5 ATT-KTN COEFF.(C) GREATER THAN 0.5-7, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.85	11094.31	19.43

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.10	33145.20	29.72

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 4 BY 481.9 CFS

OPERATION REACH CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.05	32861.26	21.99

OPERATION RUNOFF CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.96	1647.07	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.57	33413.25	22.08

OPERATION REACH CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.78	33216.43	19.49

OPERATION RUNOFF CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.89	3635.56	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 3

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.54 34910.00 18.73

OPERATION BEACH CROSS SECTION 2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
24.02 32845.24 14.94

OPERATION RUNOFF CROSS SECTION 2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.93 3251.58 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
23.99 34162.75 15.17

OPERATION BEACH CROSS SECTION 1

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
24.85 33987.69 12.60

OPERATION RUNOFF CROSS SECTION 1

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
19.71 9577.14 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 1

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
24.09 43035.44 13.57

EXECUTIVE CONTROL OPERATION ENDOMF COMPUTATIONS COMPLETED FOR PASS 1 RECORD 10

EXECUTIVE CONTROL OPERATION ENDJOB RECORD 10

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCRM (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BASED (%)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
	ALTERNATE	0	STORM	0									
XSECTION 12	RUNOFF	20.37	1	2	.25	.0	10.60	24.00	7.17	---	17.00	6574.26	322.4
XSECTION 11	REACH	20.33	1	2	.25	.0	10.60	24.00	7.09	62.55	27.35	3459.76	170.5
XSECTION 11	RUNOFF	7.32	1	2	.25	.0	10.60	24.00	7.37	---	14.62	3966.21	541.8
XSECTION 11	ADDHYD	27.65	1	2	.25	.0	10.60	24.00	7.22	63.26	27.97	4542.26	164.5
XSECTION 10	REACH	27.63	1	2	.25	.0	10.60	24.00	7.21	53.37	25.41	4425.29	162.1
XSECTION 10	RUNOFF	9.83	1	2	.25	.0	10.60	24.00	7.57	---	14.37	5675.10	577.3
XSECTION 10	ADDHYD	27.46	1	2	.25	.0	10.60	24.00	7.50	55.87	15.24	6280.29	230.9
XSECTION 9	REACH	27.46	1	2	.25	.0	10.60	24.00	7.29	48.79	17.55	7457.45	199.0
XSECTION 9	RUNOFF	3.20	1	2	.25	.0	10.60	24.00	7.56	---	12.89	2170.62	87.3
XSECTION 9	ADDHYD	40.68	1	2	.25	.0	10.60	24.00	7.21	49.64	16.95	8718.72	214.2
XSECTION 8	REACH	40.68	1	2	.25	.0	10.60	24.00	7.22	42.50	21.47	7324.21	180.0
XSECTION 8	RUNOFF	6.71	1	2	.25	.0	10.60	24.00	7.26	---	13.53	3054.66	456.7
XSECTION 8	ADDHYD	47.37	1	2	.25	.0	10.60	24.00	7.36	42.26	19.67	9125.63	162.8
XSECTION 26	RUNOFF	5.65	1	2	.25	.0	10.60	24.00	7.17	---	15.36	2441.81	430.1
XSECTION 25	REACH	5.65	1	2	.25	.0	10.60	24.00	7.17	39.95	15.87	2421.33	429.5
XSECTION 25	RUNOFF	1.86	1	2	.25	.0	10.60	24.00	7.16	---	13.56	1172.65	631.0
XSECTION 25	ADDHYD	7.51	1	2	.25	.0	10.60	24.00	7.17	42.40	15.41	3532.87	447.6
XSECTION 24	REACH	7.51	1	2	.25	.0	10.60	24.00	7.17	40.76	15.92	3313.26	441.2
XSECTION 24	RUNOFF	.97	1	2	.25	.0	10.60	24.00	7.17	---	13.27	514.11	373.4
XSECTION 24	ADDHYD	8.44	1	2	.25	.0	10.60	24.00	7.17	41.65	15.87	3751.05	444.4
XSECTION 23	REACH	9.44	1	2	.25	.0	10.60	24.00	7.17	39.70	16.51	3611.45	432.9
XSECTION 23	RUNOFF	1.06	1	2	.25	.0	10.60	24.00	7.57	---	13.26	980.65	603.1
XSECTION 23	ADDHYD	8.50	1	2	.25	.0	10.60	24.00	7.21	41.04	15.26	4114.26	432.1
XSECTION 6	ADDHYD	56.89	1	2	.25	.0	10.60	24.00	7.35	62.09	17.52	12490.74	219.6
XSECTION 7	REACH	56.89	1	2	.25	.0	10.60	24.00	7.35	35.47	18.96	12373.22	217.3
XSECTION 7	RUNOFF	1.20	1	2	.25	.0	10.60	24.00	7.17	---	13.62	866.28	721.9
XSECTION 7	ADDHYD	56.09	1	2	.25	.0	10.60	24.00	7.35	35.64	16.72	12729.13	219.1
XSECTION 20	RUNOFF	6.49	1	2	.25	.0	10.60	24.00	7.17	---	15.16	2929.25	450.5
XSECTION 21	REACH	6.49	1	2	.25	.0	10.60	24.00	7.17	48.55	15.57	2685.47	413.3
XSECTION 21	RUNOFF	1.19	1	2	.25	.0	10.60	24.00	7.17	---	14.60	1657.69	313.7
XSECTION 21	ADDHYD	8.28	1	2	.25	.0	10.60	24.00	7.17	45.28	15.97	4081.29	421.5
XSECTION 20	REACH	8.28	1	2	.25	.0	10.60	24.00	7.17	42.61	15.74	3503.51	321.7

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION / STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (60 AC)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	DATE (OSM)
	ALTERNATE	0	STORM	0									
XSECTION	20 RUNOFF	7.44	1	2	.25	.0	10.60	24.00	7.17	---	14.13	1427.84	555.1
XSECTION	20 ADDHYD	17.12	1	2	.25	.0	10.60	24.00	7.17	47.13	16.80	6262.69	765.8
XSECTION	19 REACH	17.12	1	2	.25	.0	10.60	24.00	7.17	33.38	18.92	6651.62	331.5
XSECTION	19 RUNOFF	3.35	1	2	.25	.0	10.60	24.00	7.96	---	14.00	2304.75	666.1
XSECTION	19 ADDHYD	20.47	1	2	.25	.0	10.60	24.00	7.30	34.54	18.04	6795.85	332.0
XSECTION	7 ADDHYD	76.59	1	2	.25	.0	10.60	24.00	7.33	38.69	18.47	19488.93	349.1
XSECTION	6 REACH	76.59	1	2	.25	.0	10.60	24.00	7.32	31.71	21.11	18198.98	331.7
XSECTION	4 RUNOFF	11.25	1	2	.25	.0	10.60	24.00	7.17	---	17.04	3408.50	319.5
XSECTION	6 ADDHYD	89.84	1	2	.25	.0	10.60	24.00	7.30	32.34	20.52	21005.95	333.6
XSECTION	5 REACH	89.84	1	2	.25	.0	10.60	24.00	7.30	23.69	20.57	20900.92	261.6
XSECTION	5 RUNOFF	3.41	1	2	.25	.0	10.60	24.00	7.17	---	15.22	3747.16	465.6
XSECTION	5 ADDHYD	98.25	1	2	.25	.0	10.60	24.00	7.39	34.24	21.18	22712.99	271.2
XSECTION	18 RUNOFF	.46	1	2	.25	.0	10.60	24.00	7.96	---	12.67	697.12	1267.7
XSECTION	17 REACH	.46	1	2	.25	.0	10.60	24.00	7.96	34.06	13.18	670.25	1239.9
XSECTION	17 RUNOFF	11.45	1	2	.25	.0	10.60	24.00	7.96	---	15.09	6757.44	603.7
XSECTION	17 ADDHYD	11.91	1	2	.25	.0	10.60	24.00	7.96	36.74	14.98	6058.56	509.7
XSECTION	16 REACH	11.91	1	2	.25	.0	10.60	24.00	7.96	31.19	18.51	5282.12	447.5
XSECTION	14 RUNOFF	4.96	1	2	.25	.0	10.60	24.00	7.96	---	14.14	3241.38	657.5
XSECTION	14 ADDHYD	16.87	1	2	.25	.0	10.60	24.00	7.96	35.88	16.12	7609.52	451.1
XSECTION	15 REACH	16.87	1	2	.25	.0	10.60	24.00	7.96	31.60	15.70	7565.67	446.4
XSECTION	15 RUNOFF	2.95	1	2	.25	.0	10.60	24.00	7.70	---	14.93	1496.89	607.4
XSECTION	15 ADDHYD	19.82	1	2	.25	.0	10.60	24.00	7.93	32.74	16.39	8869.07	417.4
XSECTION	14 REACH	19.82	1	2	.25	.0	10.60	24.00	7.93	25.81	17.37	8674.15	457.5
XSECTION	14 RUNOFF	7.33	1	2	.25	.0	10.60	24.00	7.70	---	15.62	3201.54	459.6
XSECTION	14 ADDHYD	37.15	1	2	.25	.0	10.60	24.00	7.86	28.55	16.56	11587.73	496.8
XSECTION	13 REACH	27.15	1	2	.25	.0	10.60	24.00	7.86	25.30	18.90	10700.28	794.2
XSECTION	13 RUNOFF	1.87	1	2	.25	.0	10.60	24.00	7.30	---	14.34	1060.89	537.4
XSECTION	13 ADDHYD	39.02	1	2	.25	.0	10.60	24.00	7.83	26.57	18.65	11264.71	686.8
XSECTION	5 REACH	29.02	1	2	.25	.0	10.60	24.00	7.83	19.43	15.68	11284.31	733.5
XSECTION	5 ADDHYD	107.07	1	2	.25	.0	10.60	24.00	7.41	25.72	20.10	33145.00	260.4
XSECTION	4 REACH	107.07	1	2	.25	.0	10.60	24.00	7.41	21.99	21.05	32661.05	258.2
XSECTION	4 RUNOFF	21.54	1	2	.25	.0	10.60	24.00	7.30	---	13.96	1647.07	643.4
XSECTION	4 ADDHYD	139.93	1	2	.25	.0	10.60	24.00	7.40	22.03	20.57	32413.29	267.4
XSECTION	3 REACH	129.93	1	2	.25	.0	10.60	24.00	7.40	18.49	21.78	31316.48	253.5
XSECTION	3 RUNOFF	7.06	1	2	.25	.0	10.60	24.00	7.70	---	14.35	1678.38	607.2
XSECTION	7 ADDHYD	174.81	1	2	.25	.0	10.60	24.00	7.40	18.73	21.56	34812.74	254.0

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFB) VALUES INDICATES A FLAT TOP HYDROGRAPH
(A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCRBY (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFB)	RATE (CFB)
ALTERNATE 0 SCRN 0													
XSECTION 2	REACH	136.91	1	2	.25	.0	10.60	24.00	7.40	14.94	24.22	32645.24	238.4
XSECTION 2	RUNOFF	8.02	1	2	.25	.0	10.60	24.00	7.57	---	15.90	3281.58	405.4
XSECTION 2	ADDHYD	144.93	1	2	.25	.0	10.60	24.00	7.41	15.17	23.99	34162.75	235.7
XSECTION 1	REACH	144.93	1	2	.25	.0	10.60	24.00	7.41	12.60	24.85	33987.69	234.5
XSECTION 1	RUNOFF	43.10	1	2	.25	.0	10.60	24.00	7.17	---	19.78	9877.14	229.2
XSECTION 1	ADDHYD	188.00	1	2	.25	.0	10.60	24.00	7.35	13.57	24.05	41135.44	223.8

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE FLOW INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF. (C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

XSEC REACH	HYDROGRAPH INFORMATION								ROUTINE PARAMETERS										PEAK	
	INFLOW		OUTFLOW		OUTFLOW+		BASE- FLOW	VOLUME ABOVE BASE	MAIN TIME INCR.	ITER- #	S AND A		PEAK RATIO	S/G BREAK	ATT- KIN	TRAVEL TIME				
	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)					COEFF (C)	POWER (M)				LENGTH FACTOR (K*)	D/I (M*)	(%)	COEFF (C)	BASE HR.
ALTERNATE	0	570PM	0																	
11	16280	8574	17.0	3460	27.3	4542	24.0	0	7.17	.25	10	1.175	1.09	.747	.526	35973	.02	8.50	10.27	
10	8950	4542	24.0	4482	25.5	6280	15.3	0	7.22	.25	1	1.161	1.21	.639	.987	5805	.14	1.50	1.87	
9	9626	8280	15.3	7456	17.5	8716	17.0	0	7.30	.25	1	1.030	1.43	.636	.901	5278	.16	2.25	1.48	
8	12151	8716	17.0	7324	21.5	9125	18.8	0	7.31	.25	2	1.228	1.07	.141	.540	11448	.08	4.30	2.38	
25	4700	2440	15.3	2416	15.8	3332	15.5	0	7.17	.25	1	1.310	1.33	.615	.991	1217	.54	.50	.74	
24	4500	3553	15.5	3312	16.0	3750	15.8	0	7.17	.25	1	1.520	1.25	.615	.994	1109	.59	.50	.71	
23	5400	3750	15.8	3681	16.8	4114	16.3	0	7.17	.25	1	1.701	1.24	.636	.977	2100	.35	.75	.85	
7	5142	12490	18.0	12390	18.8	12729	18.8	0	7.35	.25	1	1.591	1.14	.621	.982	2327	.32	.75	.85	
21	2850	2505	15.3	2694	16.5	4090	18.0	0	7.17	.25	1	1.159	1.33	.670	.917	3745	.21	1.25	1.45	
20	12050	4080	16.0	3303	16.3	3261	16.5	0	7.17	.25	3	1.032	1.45	.638	.858	6954	.12	2.25	1.98	
19	11850	6261	16.5	5651	16.0	6797	16.0	0	7.17	.25	2	1.159	1.00	.167	.907	7438	.11	2.50	2.07	
8	14250	14489	18.5	18197	21.0	21006	20.5	0	7.32	.25	1	1.215	1.18	.684	.974	7164	.12	2.50	2.30	
5	10870	21006	20.5	20500	21.8	22712	21.3	0	7.30	.25	1	1.328	1.19	.629	.990	3131	.25	1.25	.87	
17	7014	570	12.5	568	13.2	1435	15.0	0	7.96	.25	1	1.274	1.53	.614	.992	582	.873	.80	.16	
16	9120	6035	15.0	5281	16.8	7606	16.0	0	7.96	.25	3	1.931	1.07	.633	.872	5148	.16	1.75	1.44	
15	4760	7404	16.0	7563	16.8	8865	16.5	0	7.96	.25	1	1.729	1.17	.626	.994	1525	.46	.75	.40	
14	4997	8865	16.5	8670	17.3	11537	17.0	0	7.93	.25	1	1.194	1.00	.667	.975	2575	.30	.75	.72	
13	6796	11537	17.0	10707	18.8	11281	18.9	0	7.86	.25	1	1.143	1.22	.698	.924	5232	.16	1.75	1.46	
5	1000	11281	18.8	11281	18.3	---	---	0	7.87	.25	0	1.524	1.17	.603	1.000	330	1.000	1.00	1.00	
4	9755	33140	21.0	32660	21.0	37413	21.0	0	7.41	.25	1	1.166	1.31	.621	.992	2673	.29	1.50	.73	
3	8415	33413	21.0	33218	21.8	34811	21.5	0	7.40	.25	1	1.004	1.66	.608	.994	2241	.30	.75	.62	
2	14016	34811	21.5	33647	24.3	24163	24.0	0	7.42	.25	1	1.092	1.64	.657	.936	7561	.11	2.75	2.34	
1	15000	34163	24.0	33984	24.8	42035	24.0	0	7.41	.25	1	1.012	1.62	.609	.995	2493	.31	.75	.85	

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBER..... 0
XSECTION 1	199.03	
ALTERNATE 0		42036.44
XSECTION 2	144.93	
ALTERNATE 0		34162.75
XSECTION 3	139.91	
ALTERNATE 0		34812.34
XSECTION 4	122.63	
ALTERNATE 0		33413.29
XSECTION 5	127.27	
ALTERNATE 0		33145.20
XSECTION 6	95.84	
ALTERNATE 0		21005.95
XSECTION 7	73.86	
ALTERNATE 0		19485.93
XSECTION 8	55.89	
ALTERNATE 0		12490.74
XSECTION 9	40.92	
ALTERNATE 0		9719.74
XSECTION 10	37.48	
ALTERNATE 0		8380.25
XSECTION 11	37.65	
ALTERNATE 0		4842.09
XSECTION 12	30.33	
ALTERNATE 0		6574.20
XSECTION 13	33.32	
ALTERNATE 0		11094.31
XSECTION 14	37.15	
ALTERNATE 0		11387.73

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 0
<u>XSECTION 15</u>	<u>19.82</u>	
ALTERNATE 0		8968.07
<u>XSECTION 16</u>	<u>16.87</u>	
ALTERNATE 0		7609.50
<u>XSECTION 17</u>	<u>11.91</u>	
ALTERNATE 0		6058.98
<u>XSECTION 18</u>	<u>1.46</u>	
ALTERNATE 0		590.12
<u>XSECTION 19</u>	<u>20.47</u>	
ALTERNATE 0		6798.88
<u>XSECTION 20</u>	<u>17.10</u>	
ALTERNATE 0		6250.69
<u>XSECTION 21</u>	<u>9.88</u>	
ALTERNATE 0		4080.29
<u>XSECTION 22</u>	<u>6.40</u>	
ALTERNATE 0		3939.26
<u>XSECTION 23</u>	<u>9.50</u>	
ALTERNATE 0		4114.24
<u>XSECTION 24</u>	<u>8.44</u>	
ALTERNATE 0		3751.05
<u>XSECTION 25</u>	<u>7.51</u>	
ALTERNATE 0		3503.87
<u>XSECTION 26</u>	<u>3.68</u>	
ALTERNATE 0		2441.51

RUN 5

TR20 XEB 10-03-91 04:13
REV PC 09/83(1.2)

OSD CREEK RUN ULT. DEV. 25YR.

JOB 1 PASS 1
PAGE 2

EXECUTIVE CONTROL OPERATION LIST

RECORD ID

LISTING OF CURRENT DATA

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 1	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		.00	.00	.00
8		4.05	940.00	760.00
8		6.72	4701.00	2872.00
8		8.25	9402.00	4316.00
8		11.83	28205.00	8173.00
8		13.08	37606.00	9800.00
8		14.11	47008.00	12148.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 2	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		.00	.00	.00
8		4.18	725.00	3903.00
8		7.03	3623.00	7129.00
8		8.75	7247.00	9721.00
8		12.97	21740.00	19582.00
8		14.36	28996.00	24884.00
8		15.50	36233.00	29275.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 3	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		.60	.00	.00
8		6.39	685.00	1086.00
8		9.76	3423.00	3700.00
8		11.75	6846.00	5615.00
8		16.36	20537.00	11443.00
8		17.61	27382.00	13346.00
8		18.64	34228.00	14998.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	4	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		.50	.00	.00
8		7.39	649.00	656.00
8		11.56	3246.00	1943.00
8		13.92	6492.00	3266.00
8		19.36	19475.00	7458.00
8		20.81	25966.00	9278.00
8		21.92	32458.00	11245.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	5	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		.00	.00	.00
8		8.39	636.00	327.00
8		14.25	3182.00	1512.00
8		17.06	6364.00	2712.00
8		23.20	19091.00	6400.00
8		25.03	25454.00	9129.00
8		26.43	31818.00	12272.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	6	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		12.50	.00	.00
8		18.19	449.00	709.00
8		22.29	2246.00	1820.00
8		24.82	4492.00	2776.00
8		30.23	13476.00	8048.00
8		31.66	17968.00	10758.00
8		32.67	22460.00	13089.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	7	1.0000		
		ELEVATION	DISCHARGE	END AREA

8	16.90	.00	.00
8	20.90	290.00	257.00
8	24.70	1452.00	956.00
8	27.50	2905.00	1758.00
8	33.40	8714.00	4634.00
8	35.10	11618.00	6004.00
8	36.50	14523.00	7385.00
9	ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 8	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		37.40	.00	.00
8		38.05	237.00	71.00
8		39.36	1185.00	728.00
8		40.33	2370.00	1676.00
8		42.43	7109.00	4458.00
8		43.15	9478.00	5607.00
8		73.78	11848.00	6699.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 9	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		38.40	.00	.00
8		42.27	203.00	432.00
8		44.27	1017.00	1506.00
8		45.44	2034.00	2462.00
8		47.87	6102.00	5265.00
8		48.65	8136.00	6405.00
8		49.31	10170.00	7462.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 10	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		46.20	.00	.00
8		50.09	187.00	350.00
8		51.93	937.00	1256.00
8		52.97	1874.00	2159.00
8		54.98	5622.00	5535.00
8		55.61	7496.00	7208.00
8		56.14	9370.00	9064.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	11	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	51.50	.00	.00	
8	55.70	138.00	84.00	
8	60.27	691.00	998.00	
8	61.55	1383.00	4912.00	
8	62.92	4148.00	9915.00	
8	64.10	5530.00	14871.00	
8	64.23	6913.00	15453.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	12	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	59.00	.00	.00	
8	63.15	102.00	68.00	
8	68.44	508.00	231.00	
8	71.94	1016.00	387.00	
8	72.74	3049.00	4318.00	
8	72.88	4066.00	5057.00	
8	73.09	5083.00	6164.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	13	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	5.00	.00	.00	
8	7.58	145.00	184.00	
8	12.04	726.00	1131.00	
8	14.60	1451.00	2033.00	
8	20.22	4353.00	4939.00	
8	21.78	5804.00	6177.00	
8	22.97	7255.00	7409.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	14	1.0000		
	ELEVATION	DISCHARGE	END AREA	

8	11.00	.00	.00
8	12.07	136.00	24.00
8	13.90	679.00	79.00
8	15.32	1358.00	133.00
8	21.10	4073.00	459.00
8	22.75	5430.00	1084.00
8	24.03	6788.00	2087.00
9	ENDTBL		

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 15	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		19.40	.00	.00
8		20.54	99.00	119.00
8		22.16	496.00	306.00
8		23.58	991.00	498.00
8		27.40	2973.00	1056.00
8		28.48	3964.00	1237.00
8		29.34	4955.00	1623.00
9	ENDTBL			

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 16	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		19.90	.00	.00
8		20.79	84.00	92.00
8		22.66	422.00	307.00
8		24.17	844.00	500.00
8		28.01	2531.00	1075.00
8		29.16	3374.00	1312.00
8		30.06	4218.00	2031.00
9	ENDTBL			

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 17	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		28.02	.00	.00
8		30.16	60.00	37.00
8		32.56	298.00	106.00
8		34.20	596.00	170.00
8		36.02	1787.00	2440.00
8		36.68	2382.00	4242.00
8		36.69	2978.00	4243.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	18	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	31.60	.00	.00	
8	31.72	2.00	1.00	
8	32.89	12.00	14.00	
8	34.62	23.00	46.00	
8	36.28	69.00	90.00	
8	36.89	92.00	110.00	
8	36.90	115.00	111.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	19	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	25.00	.00	.00	
8	26.09	102.00	24.00	
8	27.10	512.00	88.00	
8	27.76	1024.00	153.00	
8	30.11	3071.00	525.00	
8	31.72	4094.00	1433.00	
8	32.79	5118.00	2615.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	20	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	37.80	.00	.00	
8	38.68	86.00	261.00	
8	39.42	428.00	743.00	
8	39.91	856.00	1152.00	
8	41.09	2568.00	2383.00	
8	41.57	3424.00	2986.00	
8	42.04	4280.00	3640.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2 XSECTN	21	1.0000		
	ELEVATION	DISCHARGE	END AREA	

8	43.10	.00	.00
8	44.63	48.00	91.00
8	45.94	242.00	402.00
8	46.56	484.00	689.00
8	47.60	1452.00	1409.00
8	47.99	1936.00	1749.00
8	48.35	2420.00	2110.00
9	ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 22	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		50.00	.00	.00
8		50.70	32.00	66.00
8		50.84	162.00	97.00
8		51.05	325.00	148.00
8		51.65	974.00	364.00
8		51.94	1298.00	508.00
8		52.16	1623.00	627.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 23	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		22.00	.00	.00
8		23.84	48.00	32.00
8		25.52	238.00	132.00
8		27.07	475.00	267.00
8		32.78	1425.00	890.00
8		34.51	1900.00	1115.00
8		35.91	2375.00	1312.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 24	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		28.00	.00	.00
8		30.14	42.00	40.00
8		31.75	211.00	151.00
8		32.71	422.00	234.00
8		35.13	1266.00	471.00
8		36.33	1688.00	601.00
8		37.48	2110.00	733.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 25	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	29.50	.00	.00	
8	31.42	38.00	34.00	
8	33.14	188.00	143.00	
8	34.04	376.00	219.00	
8	36.43	1127.00	450.00	
8	37.48	1502.00	561.00	
8	38.49	1878.00	676.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 26	1.0000		
	ELEVATION	DISCHARGE	END AREA	
8	32.00	.00	.00	
8	33.40	28.00	22.00	
8	35.13	141.00	100.00	
8	35.95	283.00	168.00	
8	38.23	848.00	379.00	
8	39.17	1130.00	474.00	
8	40.18	1413.00	583.00	

9 ENDTBL

		TIME INCREMENT					
4	DINHYP	.0222	(INPUT VALUE OF .022 NOT EQUAL TO COMPUTED VALUE; COMPUTED VALUE USED.)				
8	.0000	.1500	.3200	.6000	.9300		
8	1.0000	.9600	.8800	.7800	.6900		
8	.5900	.5200	.4800	.4300	.3900		
8	.3500	.3200	.2900	.2600	.2300		
8	.2100	.2000	.1900	.1800	.1700		
8	.1600	.1500	.1400	.1300	.1200		
8	.1100	.1000	.0900	.0800	.0700		
8	.0600	.0500	.0450	.0400	.0350		
8	.0300	.0250	.0200	.0150	.0100		
8	.0000	.0000	.0000	.0000	.0000		

9 ENDTBL

COMPUTED PEAK RATE FACTOR = 256.08

TABLE NO.	TIME INCREMENT				
5 RAINFL 1	.2500				
8	.0000	.0020	.0050	.0070	.0100
8	.0120	.0150	.0170	.0200	.0230
8	.0260	.0280	.0310	.0340	.0370
8	.0400	.0430	.0470	.0500	.0530
8	.0570	.0600	.0640	.0680	.0720
8	.0760	.0800	.0850	.0890	.0940
8	.1000	.1070	.1150	.1220	.1300
8	.1390	.1480	.1570	.1670	.1780
8	.1890	.2020	.2160	.2320	.2500
8	.2710	.2980	.3390	.5000	.6620
8	.7020	.7290	.7510	.7690	.7850
8	.7990	.8110	.8230	.8340	.8440
8	.8530	.8620	.8700	.8780	.8860
8	.8930	.9000	.9070	.9110	.9160
8	.9200	.9250	.9290	.9330	.9360
8	.9400	.9440	.9470	.9510	.9540
8	.9570	.9600	.9630	.9660	.9690
8	.9720	.9750	.9780	.9810	.9830
8	.9860	.9880	.9910	.9930	.9960
8	.9990	1.0000	1.0000	1.0000	1.0000
9 ENDTBL					

TABLE NO.	TIME INCREMENT				
5 RAINFL 2	1.0000				
8	.0000	.2300	.9900	1.7400	1.9300
8	2.0100	2.4800	2.5100	2.5100	2.5800
8	3.0700	3.2800	3.4500	3.6500	3.9000
8	4.1900	4.7100	5.2100	5.8300	6.1200
8	6.3400	6.7200	6.8000	7.2500	7.4300
8	7.7000	7.8800	7.9900	8.0400	8.1200
8	8.2700	8.3500	8.4600	8.5100	8.5500
8	8.7900	10.2500	12.5800	12.8700	13.1100
8	13.1900	13.2700	13.2900	13.3200	13.3200
9 ENDTBL					

TABLE NO.	TIME INCREMENT				
5 RAINFL 3	1.0000				
8	.0000	.2200	.6000	.6800	1.1300
8	1.3100	1.5800	1.7600	1.8700	1.9200
8	2.0000	2.1500	2.2300	2.3400	2.3900

8	2.4300	2.6700	4.1300	6.4600	6.7500
8	6.9900	7.0700	7.1500	7.1700	7.2000
8	7.2000	.0000	.0000	.0000	.0000

9 ENDTBL

TABLE NO. TIME INCREMENT
 5 RAINFL 4 .5000

8	.0000	.0040	.0080	.0120	.0160
8	.0200	.0250	.0300	.0350	.0400
8	.0450	.0500	.0550	.0600	.0650
8	.0700	.0750	.0810	.0870	.0930
8	.0990	.1050	.1110	.1180	.1250
8	.1320	.1400	.1480	.1560	.1650
8	.1740	.1840	.1950	.2070	.2200
8	.2360	.2550	.2770	.3030	.4090
8	.5150	.5490	.5830	.6050	.6240
8	.6400	.6550	.6690	.6820	.6940
8	.7050	.7160	.7270	.7380	.7480
8	.7580	.7670	.7760	.7840	.7920
8	.8000	.8080	.8160	.8230	.8300
8	.8370	.8440	.8510	.8580	.8640
8	.8700	.8760	.8820	.8880	.8940
8	.9000	.9060	.9110	.9160	.9210
8	.9260	.9310	.9360	.9410	.9460
8	.9510	.9560	.9610	.9660	.9710
8	.9760	.9800	.9840	.9880	.9920
8	.9960	1.0000	1.0000	1.0000	1.0000

9 ENDTBL

TABLE NO. TIME INCREMENT
 5 RAINFL 5 .5000

8	.0000	.0020	.0050	.0080	.0110
8	.0140	.0170	.0200	.0230	.0260
8	.0290	.0320	.0350	.0380	.0410
8	.0440	.0470	.0510	.0550	.0590
8	.0630	.0670	.0710	.0750	.0790
8	.0840	.0890	.0940	.0990	.1040
8	.1090	.1140	.1200	.1260	.1330
8	.1400	.1470	.1540	.1620	.1710
8	.1810	.1920	.2040	.2170	.2330
8	.2520	.2770	.3180	.6380	.6980
8	.7290	.7520	.7700	.7850	.7980
8	.8090	.8190	.8290	.8380	.8460
8	.8540	.8610	.8680	.8740	.8800
8	.8860	.8920	.8970	.9020	.9070

8	.9120	.9170	.9210	.9250	.9290
8	.9330	.9370	.9410	.9450	.9490
8	.9530	.9570	.9600	.9630	.9660
8	.9690	.9720	.9750	.9780	.9810
8	.9840	.9870	.9900	.9930	.9960
8	.9980	1.0000	1.0000	1.0000	1.0000
9	ENDTBL				

TABLE NO. TIME INCREMENT
 5 RAINFL 6 .0200

8	.0000	.0080	.0162	.0246	.0333
8	.0425	.0524	.0630	.0743	.0863
8	.0990	.1124	.1265	.1420	.1595
8	.1800	.2050	.2550	.3450	.4370
8	.5300	.6030	.6330	.6600	.6840
8	.7050	.7240	.7420	.7590	.7750
8	.7900	.8043	.8180	.8312	.8439
8	.8561	.8678	.8790	.8898	.9002
8	.9103	.9201	.9297	.9391	.9483
8	.9573	.9661	.9747	.9832	.9916
8	1.0000	1.0000	1.0000	1.0000	1.0000
9	ENDTBL				

STANDARD CONTROL INSTRUCTIONS

6	RUNOFF	1	12	7	20.3300	79.0000	5.41001	0	0	0	0	1	
6	REACH	3	11	7	6	16280.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	11	5	7.3200	79.0000	3.19001	0	0	0	0	1	
6	ADDHYD	4	11	5	6	7		1	0	0	0	0	1
6	REACH	3	10	7	6	6950.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	10	5	9.8300	79.0000	2.91001	0	0	0	0	1	
6	ADDHYD	4	10	5	6	7		1	0	0	0	0	1
6	REACH	3	9	7	6	9626.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	9	5	3.2000	79.0000	2.29001	0	0	0	0	1	
6	ADDHYD	4	9	6	5	7		1	0	0	0	0	1
6	REACH	3	8	7	5	19251.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	8	7	6	7.100	79.0000	4.37001	0	0	0	0	1
6	ADDHYD	4	8	7	5	6		1	0	0	0	0	1
6	SAVMOV	5	8	6	1								
6	RUNOFF	1	26	7	5.6500	78.0000	4.05001	0	0	0	0	1	
6	REACH	3	25	7	6	4700.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	25	5	1.8600	78.0000	2.35001	0	0	0	0	1	
6	ADDHYD	4	25	6	5	7		1	0	0	0	0	1
6	REACH	3	24	7	5	4200.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	24	6	.9300	78.0000	1.41001	0	0	0	0	1	
6	ADDHYD	4	24	5	6	7		1	0	0	0	0	1
6	REACH	3	23	7	5	5400.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	23	6	1.0600	79.0000	1.41001	0	0	0	0	1	
6	ADDHYD	4	23	5	6	7		1	0	0	0	0	1
6	SAVMOV	5	23	7	4								
6	ADDHYD	4	8	4	1	5		1	0	0	0	0	1
6	REACH	3	7	5	6	5142.0000	.0000	.00000	0	0	0	0	1
6	RUNOFF	1	7	7	1.2000	78.0000	1.31001	0	0	0	0	1	
6	ADDHYD	4	7	7	6	5		1	0	0	0	0	1
6	SAVMOV	5	7	5	1								
6	RUNOFF	1	22	7	6.4900	79.0000	3.81001	0	0	0	0	1	
6	REACH	3	21	7	6	5850.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	21	5	3.1900	79.0000	3.12001	0	0	0	0	1	
6	ADDHYD	4	21	5	6	7		1	0	0	0	0	1
6	REACH	3	20	7	5	12050.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	20	7	7.4400	79.0000	2.56001	0	0	0	0	1	
6	ADDHYD	4	20	5	7	6		1	0	0	0	0	1
6	REACH	3	19	6	5	11850.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	19	7	3.3500	79.0000	2.42001	0	0	0	0	1	
6	ADDHYD	4	19	7	5	6		1	0	0	0	0	1
6	SAVMOV	5	19	6	3								
6	ADDHYD	4	7	3	1	7		1	0	0	0	0	1
6	REACH	3	6	7	5	14250.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	6	6	11.2800	79.0000	5.50001	0	0	0	0	1	
6	ADDHYD	4	6	5	6	7		1	0	0	0	0	1

6 REACH	3	5	7	6	10870.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	5		5	8.4100	79.0000	3.26001	0	0	0	0	1
6 ADDHYD	4	5	6	5				1	0	0	0	1
6 SAVMOV	5	5	7	1								
6 RUNOFF	1	18		7	.4600	80.0000	.89001	0	0	0	0	1
6 REACH	3	17	7	6	3014.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	17		7	11.4500	80.0000	3.81001	0	0	0	0	1
6 ADDHYD	4	17	7	6				1	0	0	0	1
6 REACH	3	16	5	7	9120.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	16		6	4.9600	79.0000	2.70001	0	0	0	0	1
6 ADDHYD	4	16	6	7				1	0	0	0	1
6 REACH	3	15	5	7	4960.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	15		6	2.9500	81.0000	2.98001	0	0	0	0	1
6 ADDHYD	4	15	6	7				1	0	0	0	1
6 REACH	3	14	5	7	4997.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	14		6	7.3300	81.0000	3.81001	0	0	0	0	1
6 ADDHYD	4	14	6	7				1	0	0	0	1
6 REACH	3	13	5	7	6796.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	13		6	1.8700	81.0000	2.21001	0	0	0	0	1
6 ADDHYD	4	13	6	7				1	0	0	0	1
6 SAVMOV	5	13	5	2								
6 REACH	3	5	2	7	1000.0000	.0000	.00001	0	0	0	0	1
6 ADDHYD	4	5	7	1				1	0	0	0	1
6 REACH	3	4	6	5	9955.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	4		7	2.5600	79.0000	1.73001	0	0	0	0	1
6 ADDHYD	4	4	7	5				1	0	0	0	1
6 REACH	3	3	6	5	8415.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	3		7	7.0800	79.0000	3.54001	0	0	0	0	1
6 ADDHYD	4	3	7	5				1	0	0	0	1
6 REACH	3	2	6	5	16026.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	2		7	8.0200	79.0000	4.79001	0	0	0	0	1
6 ADDHYD	4	2	5	7				1	0	0	0	1
6 REACH	3	1	6	5	15000.0000	.0000	.00001	0	0	0	0	1
6 RUNOFF	1	1		7	43.1000	79.0000	8.86001	0	0	0	0	1
6 ADDHYD	4	1	5	7				1	0	0	0	1

ENDATA

END OF LISTING

EXECUTIVE CONTROL OPERATION INCREM MAIN TIME INCREMENT = .25 HOURS RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 1 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 8.20 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 0 STORM NO.= 0 MAIN TIME INCREMENT = .25 HOURS

OPERATION RUNOFF CROSS SECTION 12

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.24	5891.79	(RUNOFF)

OPERATION REACH CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
26.77	2892.88	62.30

OPERATION RUNOFF CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.40	3174.86	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.51	3250.38	62.48
23.70	3708.66	62.70

OPERATION REACH CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
25.49	3648.74	53.92

OPERATION RUNOFF CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.20	4563.67	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.11	6360.72	55.23

OPERATION REACH CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.64	5644.09	47.60

OPERATION RUNOFF CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.68	1781.96	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.99	6571.61	48.05

OPERATION REACH CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.96	5492.08	41.71

OPERATION RUNOFF CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.37	2290.57	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.04	6786.80	42.29

OPERATION RUNOFF CROSS SECTION 26

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.12	2001.32	(RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 25 BY 121.3 CFS

OPERATION REACH CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.64	1981.29	38.77

OPERATION RUNOFF CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.75	992.84	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.23	2726.12	40.77

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 24 BY 616.1 CFS

OPERATION REACH CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.71	2709.24	39.11

OPERATION RUNOFF CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.06	723.79	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.47	3051.37	40.05

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 23 BY 676.2 CFS

OPERATION REACH CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.36	2962.32	37.64

OPERATION RUNOFF CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.05	842.75	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 23

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.18	3304.50	38.65

OPERATION ADDHYD CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.65	9342.44	43.11

OPERATION RUNOFF CROSS SECTION 7

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.98	979.24	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.40	9452.12	33.83

OPERATION RUNOFF CROSS SECTION 22

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.91	2463.52	(RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 21 BY 41.8 CFS

OPERATION REACH CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.33	2233.98	48.21

OPERATION RUNOFF CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.35	1406.86	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.70	3391.08	49.07

OPERATION REACH CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.08	2881.34	41.27

OPERATION RUNOFF CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.92	3799.04	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.21	5146.92	42.52

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 19 BY 28.8 CFS

OPERATION REACH CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.07	4842.32	32.50

OPERATION RUNOFF CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.80	1789.82	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 19

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.30	5753.82	33.45

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.96	15125.02	36.79

OPERATION REACH CROSS SECTION 6

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.57	14080.14	30.42

OPERATION RUNOFF CROSS SECTION 6

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.31	3228.19	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 6

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.98	16435.03	31.17

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.08	16275.40	21.84

OPERATION RUNOFF CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.46	3592.37	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.62	17773.95	22.56

OPERATION RUNOFF CROSS SECTION 18

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.72	507.89	(RUNOFF)
23.69	24.54	(RUNOFF)

*** WARNING REACH 17 ATT-KIN CDEFF. (C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.01	499.41	33.67
23.90	24.54	28.90

OPERATION RUNOFF CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.89	4440.92	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.81	4660.88	36.72

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 16 BY 441.6 CFS

OPERATION REACH CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.13	4253.79	30.10

OPERATION RUNOFF CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.03	2435.05	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.57	6113.38	32.08

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 15 BY 1157.1 CFS

OPERATION REACH CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.12	6071.07	30.31

OPERATION RUNOFF CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.24	1403.28	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.80	7191.81	31.28

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 14 BY 402.8 CFS

OPERATION REACH CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.52	7101.28	24.33

OPERATION RUNOFF CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.88	2903.21	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.10	9692.80	26.77

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 13 BY 2433.1 CFS

OPERATION REACH CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.03	8708.91	24.16

OPERATION RUNOFF CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.60	1119.35	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.88	9195.45	24.56

*** WARNING REACH 5 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.88	9195.45	18.43

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.26	26155.42	25.18

OPERATION REACH CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.21	25889.94	20.79

OPERATION RUNOFF CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.28	1750.99	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.09	26245.67	20.86

OPERATION REACH CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.05	26003.90	17.36

OPERATION RUNOFF CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.69	2838.36	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.82	27278.65	17.59

OPERATION REACH CROSS SECTION 2

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
23.49	25498.82	13.69

OPERATION RUNOFF CROSS SECTION 2

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.72	2552.34	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 2

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
23.26	26709.35	13.92

OPERATION REACH CROSS SECTION 1

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
24.21	26534.42	11.51

OPERATION RUNOFF CROSS SECTION 1

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.03	8482.62	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 1

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
23.34	33208.49	12.50

EXECUTIVE CONTROL OPERATION ENDCMP COMPUTATIONS COMPLETED FOR PASS 1

RECORD ID

TR20 XEQ 10-03-91 04:13
REV PC 09/83(1.2)

OSD CREEK RUN ULT. DEV. 25YR.

JOB 1 PASS 2
PAGE 25

EXECUTIVE CONTROL OPERATION ENDJOB

RECORD ID

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE				
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)	
	ALTERNATE	0	STORM	0										
XSECTION	12	RUNOFF	20.33	1	2	.25	.0	8.20	24.00	5.69	---	16.24	5891.79	289.8
XSECTION	11	REACH	20.33	1	2	.25	.0	8.20	24.00	5.64	62.30	26.77	2892.88	142.3
XSECTION	11	RUNOFF	7.32	1	2	.25	.0	8.20	24.00	5.69	---	14.40	3174.86	433.7
XSECTION	11	ADDHYD	27.65	1	2	.25	.0	8.20	24.00	5.65	62.70	23.70	3708.66	134.1
XSECTION	10	REACH	27.65	1	2	.25	.0	8.20	24.00	5.65	53.92	25.49	3648.74	132.0
XSECTION	10	RUNOFF	9.83	1	2	.25	.0	8.20	24.00	5.69	---	14.20	4563.67	464.3
XSECTION	10	ADDHYD	37.48	1	2	.25	.0	8.20	24.00	5.66	55.23	15.11	6360.72	169.7
XSECTION	9	REACH	37.48	1	2	.25	.0	8.20	24.00	5.65	47.60	17.64	5644.09	150.6
XSECTION	9	RUNOFF	3.20	1	2	.25	.0	8.20	24.00	5.70	---	13.68	1781.96	556.9
XSECTION	9	ADDHYD	40.68	1	2	.25	.0	8.20	24.00	5.65	48.05	16.99	6571.61	161.5
XSECTION	8	REACH	40.68	1	2	.25	.0	8.20	24.00	5.63	41.71	21.96	5492.08	135.0
XSECTION	8	RUNOFF	6.71	1	2	.25	.0	8.20	24.00	5.69	---	15.37	2290.57	341.4
XSECTION	8	ADDHYD	47.39	1	2	.25	.0	8.20	24.00	5.64	42.29	20.04	6786.80	143.2
XSECTION	26	RUNOFF	5.65	1	2	.25	.0	8.20	24.00	5.58	---	15.12	2001.32	354.2
XSECTION	25	REACH	5.65	1	2	.25	.0	8.20	24.00	5.58	38.77	15.64	1981.29	350.7
XSECTION	25	RUNOFF	1.86	1	2	.25	.0	8.20	24.00	5.57	---	13.75	992.84	533.8
XSECTION	25	ADDHYD	7.51	1	2	.25	.0	8.20	24.00	5.58	40.77	15.23	2726.12	363.0
XSECTION	24	REACH	7.51	1	2	.25	.0	8.20	24.00	5.58	39.11	15.71	2709.24	360.8
XSECTION	24	RUNOFF	.93	1	2	.25	.0	8.20	24.00	5.58	---	13.06	723.79	778.3
XSECTION	24	ADDHYD	8.44	1	2	.25	.0	8.20	24.00	5.58	40.05	15.47	3051.37	361.5
XSECTION	23	REACH	8.44	1	2	.25	.0	8.20	24.00	5.58	37.64	16.36	2962.32	351.0
XSECTION	23	RUNOFF	1.06	1	2	.25	.0	8.20	24.00	5.70	---	13.05	842.75	795.0
XSECTION	23	ADDHYD	9.50	1	2	.25	.0	8.20	24.00	5.59	38.65	16.18	3304.50	347.6
XSECTION	8	ADDHYD	56.89	1	2	.25	.0	8.20	24.00	5.63	43.11	17.65	9342.44	164.2
XSECTION	7	REACH	56.89	1	2	.25	.0	8.20	24.00	5.63	33.72	18.64	9262.77	162.8
XSECTION	7	RUNOFF	1.20	1	2	.25	.0	8.20	24.00	5.58	---	12.98	979.24	816.0
XSECTION	7	ADDHYD	58.09	1	2	.25	.0	8.20	24.00	5.63	33.83	18.40	9452.12	162.7
XSECTION	22	RUNOFF	6.49	1	2	.25	.0	8.20	24.00	5.70	---	14.91	2463.52	379.6
XSECTION	21	REACH	6.49	1	2	.25	.0	8.20	24.00	5.70	48.21	16.33	2233.98	344.2
XSECTION	21	RUNOFF	3.19	1	2	.25	.0	8.20	24.00	5.69	---	14.35	1406.86	441.0
XSECTION	21	ADDHYD	9.68	1	2	.25	.0	8.20	24.00	5.69	49.07	15.70	3391.08	350.3
XSECTION	20	REACH	9.68	1	2	.25	.0	8.20	24.00	5.69	41.27	18.08	2881.34	297.7

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
<u>ALTERNATE 0 STORM 0</u>													
XSECTION 20	RUNOFF	7.44	1	2	.25	.0	8.20	24.00	5.69	---	13.92	3799.04	510.6
XSECTION 20	ADDHYD	17.12	1	2	.25	.0	8.20	24.00	5.69	42.52	16.21	5146.92	300.6
XSECTION 19	REACH	17.12	1	2	.25	.0	8.20	24.00	5.69	32.50	18.07	4842.32	282.8
XSECTION 19	RUNOFF	3.35	1	2	.25	.0	8.20	24.00	5.69	---	13.80	1789.82	534.3
XSECTION 19	ADDHYD	20.47	1	2	.25	.0	8.20	24.00	5.69	33.45	17.30	5753.82	281.1
XSECTION 7	ADDHYD	78.56	1	2	.25	.0	8.20	24.00	5.64	36.79	17.96	15125.02	192.5
XSECTION 6	REACH	78.56	1	2	.25	.0	8.20	24.00	5.64	30.42	20.57	14080.14	179.2
XSECTION 6	RUNOFF	11.28	1	2	.25	.0	8.20	24.00	5.69	---	16.31	3228.19	286.2
XSECTION 6	ADDHYD	89.84	1	2	.25	.0	8.20	24.00	5.64	31.17	19.98	16435.04	182.9
XSECTION 5	REACH	89.84	1	2	.25	.0	8.20	24.00	5.64	21.84	21.08	16275.40	181.2
XSECTION 5	RUNOFF	8.41	1	2	.25	.0	8.20	24.00	5.70	---	14.46	3592.37	427.2
XSECTION 5	ADDHYD	98.25	1	2	.25	.0	8.20	24.00	5.64	22.56	20.62	17773.95	180.9
XSECTION 18	RUNOFF	.46	1	2	.25	.0	8.20	24.00	5.81	---	12.72	507.89	1104.1
XSECTION 17	REACH	.46	1	2	.25	.0	8.20	24.00	5.81	33.67	13.01	499.41	1085.7
XSECTION 17	RUNOFF	11.45	1	2	.25	.0	8.20	24.00	5.81	---	14.89	4440.92	387.9
XSECTION 17	ADDHYD	11.91	1	2	.25	.0	8.20	24.00	5.81	36.72	14.81	4660.88	391.3
XSECTION 16	REACH	11.91	1	2	.25	.0	8.20	24.00	5.81	30.10	16.13	4253.79	357.2
XSECTION 16	RUNOFF	4.96	1	2	.25	.0	8.20	24.00	5.69	---	14.03	2435.05	490.9
XSECTION 16	ADDHYD	16.87	1	2	.25	.0	8.20	24.00	5.78	32.08	15.57	6113.38	362.4
XSECTION 15	REACH	16.87	1	2	.25	.0	8.20	24.00	5.78	30.31	16.12	6071.07	359.9
XSECTION 15	RUNOFF	2.95	1	2	.25	.0	8.20	24.00	5.93	---	14.24	1403.28	475.7
XSECTION 15	ADDHYD	19.82	1	2	.25	.0	8.20	24.00	5.80	31.28	15.80	7191.81	362.9
XSECTION 14	REACH	19.82	1	2	.25	.0	8.20	24.00	5.80	24.33	16.52	7101.28	358.3
XSECTION 14	RUNOFF	7.33	1	2	.25	.0	8.20	24.00	5.93	---	14.88	2903.21	396.1
XSECTION 14	ADDHYD	27.15	1	2	.25	.0	8.20	24.00	5.83	26.77	16.10	9692.80	357.0
XSECTION 13	REACH	27.15	1	2	.25	.0	8.20	24.00	5.83	24.16	18.03	8708.91	320.8
XSECTION 13	RUNOFF	1.87	1	2	.25	.0	8.20	24.00	5.93	---	13.60	1119.35	598.6
XSECTION 13	ADDHYD	29.02	1	2	.25	.0	8.20	24.00	5.84	24.56	17.88	9195.45	316.9
XSECTION 5	REACH	29.02	1	2	.25	.0	8.20	24.00	5.84	18.43	17.88	9195.45	316.9
XSECTION 5	ADDHYD	127.27	1	2	.25	.0	8.20	24.00	5.69	25.18	19.26	26155.42	205.5
XSECTION 4	REACH	127.27	1	2	.25	.0	8.20	24.00	5.69	20.79	20.21	25889.94	203.4
XSECTION 4	RUNOFF	2.56	1	2	.25	.0	8.20	24.00	5.69	---	13.28	1750.99	684.0
XSECTION 4	ADDHYD	129.83	1	2	.25	.0	8.20	24.00	5.69	20.86	20.09	26245.67	202.2
XSECTION 3	REACH	129.83	1	2	.25	.0	8.20	24.00	5.68	17.36	21.05	26003.90	200.3
XSECTION 3	RUNOFF	7.08	1	2	.25	.0	8.20	24.00	5.69	---	14.69	2838.36	400.9
XSECTION 7	ADDHYD	174.84	1	2	.25	.0	8.20	24.00	5.66	17.55	20.82	27373.65	199.0

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCREM (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
	ALTERNATE	0	STORM	0									
XSECTION	2 REACH	136.91	1	2	.25	.0	8.20	24.00	5.68	13.69	23.49	25498.82	186.2
XSECTION	2 RUNOFF	8.02	1	2	.25	.0	8.20	24.00	5.69	---	15.72	2552.34	318.2
XSECTION	2 ADDHYD	144.93	1	2	.25	.0	8.20	24.00	5.68	13.92	23.26	26709.35	184.3
XSECTION	1 REACH	144.93	1	2	.25	.0	8.20	24.00	5.67	11.51	24.21	26534.42	183.1
XSECTION	1 RUNOFF	43.10	1	2	.25	.0	8.20	24.00	5.69	---	19.03	8482.62	196.8
XSECTION	1 ADDHYD	188.03	1	2	.25	.0	8.20	24.00	5.68	12.50	23.34	33208.48	176.6

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

XSEC ID	REACH LENGTH (FT)	HYDROGRAPH INFORMATION						ROUTING PARAMETERS						PEAK					
		INFLOW		OUTFLOW		OUTFLOW+ INTERV. AREA		VOLUME ABOVE BASE (IN)	MAIN TIME INCR (HR)	ITER- ATION #	O AND A EQUATION		PEAK RATIO O/I (Q*)	S/O @PEAK (K) (SEC)	ATT- KIN COEFF (C)	TRAVEL TIME			
		PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)				COEFF (X)	POWER (M)				LENGTH FACTOR (K*)	STOR- AGE (HR)	KINE- MATIC (HR)	
	ALTERNATE	0	STORM	0															
11	16280	5892	16.3	2893	26.8	3709	23.8	0	5.69	.25	2	.089	1.15	.910	.491	36464	.02	8.25	10.56
10	6950	3709	23.8	3649	25.5	6356	15.0	0	5.65	.25	1	.147	1.23	.041	.984	5918	.14	1.50	1.65
9	9626	6356	15.0	5643	17.8	6572	17.0	0	5.66	.25	1	.033	1.42	.042	.888	5792	.14	2.75	1.64
8	19251	6572	17.0	5492	22.0	6787	20.0	0	5.65	.25	1	1.58	1.00	.150	.836	12176	.07	5.00	3.38
25	4700	1999	15.0	1980	15.8	2726	15.3	0	5.58	.25	1	.245	1.37	.015	.990	1221	.54	.75	.34
24	4200	2726	15.3	2709	15.8	3051	15.5	0	5.58	.25	1	.378	1.30	.015	.994	1090	.58	.50	.30
23	5400	3051	15.5	2960	16.3	3304	16.3	0	5.58	.25	1	.495	1.19	.048	.970	2351	.32	.75	.65
7	5142	9341	17.8	9261	18.8	9451	18.5	0	5.63	.25	1	.541	1.15	.021	.991	2367	.32	1.00	.66
21	5850	2462	15.0	2233	16.3	3391	15.8	0	5.70	.25	1	.077	1.35	.074	.907	3761	.21	1.25	1.06
20	12050	3391	15.8	2881	18.0	5147	16.3	0	5.69	.25	2	.024	1.48	.148	.850	7025	.12	2.25	2.00
19	11850	5147	16.3	4842	18.0	5754	17.3	0	5.69	.25	3	2.11	1.00	.128	.941	5623	.15	1.75	1.56
6	14250	15125	18.0	14079	20.5	16435	20.0	0	5.64	.25	1	.225	1.22	.079	.931	6981	.12	2.50	1.95
5	10870	16435	20.0	16274	21.0	17772	20.5	0	5.64	.25	1	.467	1.21	.028	.990	3110	.25	1.00	.86
17	3014	507	12.8	499	13.0	4660	14.8	0	5.81	.25	1	.268	1.50	.020	.984	603	.85?	.25	.17
16	9120	4660	14.8	4250	16.3	6112	15.5	0	5.81	.25	3	.367	1.22	.081	.912	3622	.22	1.50	1.01
15	4960	6112	15.5	6067	16.0	7191	15.8	0	5.78	.25	1	.319	1.29	.019	.993	1319	.51	.50	.37
14	4997	7191	15.8	7101	16.5	9688	16.0	0	5.80	.25	1	2.91	1.00	.046	.988	1718	.42	.75	.48
13	6796	9688	16.0	8709	18.0	9191	18.0	0	5.83	.25	1	.149	1.21	.119	.899	5429	.15	2.00	1.52
5	1000	9191	18.0	9191	18.0	---	---	0	5.84	.25	0	.722	1.15	.004	1.000	341	1.00?	.00	.00
4	9955	26155	19.3	25889	20.3	26242	20.0	0	5.69	.25	1	.119	1.35	.020	.990	2641	.29	1.00	.73
3	8415	26242	20.0	26003	21.0	27277	20.8	0	5.69	.25	1	.007	1.60	.012	.991	2618	.29	1.00	.73
2	16026	27277	20.8	25499	23.5	26709	23.3	0	5.68	.25	2	.001	1.75	.064	.935	7863	.11	2.75	2.22
1	15000	26709	23.3	26534	24.3	33206	23.3	0	5.68	.25	1	.013	1.62	.011	.993	2740	.28	1.00	.76

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 0
XSECTION 1	188.03	
ALTERNATE 0		33208.48
XSECTION 2	144.93	
ALTERNATE 0		26709.35
XSECTION 3	136.91	
ALTERNATE 0		27278.65
XSECTION 4	129.83	
ALTERNATE 0		26245.67
XSECTION 5	127.27	
ALTERNATE 0		26155.42
XSECTION 6	89.84	
ALTERNATE 0		16435.04
XSECTION 7	78.56	
ALTERNATE 0		15125.02
XSECTION 8	56.89	
ALTERNATE 0		9342.44
XSECTION 9	40.68	
ALTERNATE 0		6571.61
XSECTION 10	37.48	
ALTERNATE 0		6360.72
XSECTION 11	27.65	
ALTERNATE 0		3708.66
XSECTION 12	20.33	
ALTERNATE 0		5891.79
XSECTION 13	29.02	
ALTERNATE 0		9195.45
XSECTION 14	27.15	
ALTERNATE 0		9692.80

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 0
<u>XSECTION 15</u>	<u>19.82</u>	
ALTERNATE 0		7191.81
<u>XSECTION 16</u>	<u>16.87</u>	
ALTERNATE 0		6113.38
<u>XSECTION 17</u>	<u>11.91</u>	
ALTERNATE 0		4660.88
<u>XSECTION 18</u>	<u>.46</u>	
ALTERNATE 0		507.89
<u>XSECTION 19</u>	<u>20.47</u>	
ALTERNATE 0		5753.82
<u>XSECTION 20</u>	<u>17.12</u>	
ALTERNATE 0		5146.92
<u>XSECTION 21</u>	<u>9.68</u>	
ALTERNATE 0		3391.08
<u>XSECTION 22</u>	<u>6.49</u>	
ALTERNATE 0		2463.52
<u>XSECTION 23</u>	<u>9.50</u>	
ALTERNATE 0		3304.50
<u>XSECTION 24</u>	<u>8.44</u>	
ALTERNATE 0		3051.37
<u>XSECTION 25</u>	<u>7.51</u>	
ALTERNATE 0		2726.12
<u>XSECTION 26</u>	<u>5.65</u>	
ALTERNATE 0		2001.32

END OF 1 JOBS IN THIS RUN

RUN 6

TR20 XED 10-10-91 03:29
REV PC 09/80(1.2)

050 CREEK RUN ULT. DEV. 100YR.

JOB 1 PASS 1
PAGE 1

COMPUTER PROGRAM FOR PROJECT FORMULATION - HYDROLOGY USER NOTES

THE USERS MANUAL FOR THIS PROGRAM IS THE MAY 1983 DRAFT OF TR-20. CHANGES FROM THE 2/14/74 VERSION INCLUDE:

REACH ROUTING - THE MODIFIED ATT-KIN ROUTING PROCEDURE REPLACES THE CONVEX METHOD. INPUT DATA PREPARED FOR PREVIOUS PROGRAM VERSIONS USING CONVEX ROUTING COEFFICIENTS WILL NOT RUN ON THIS VERSION.

THE PREFERRED TYPE OF DATA ENTRY IS CROSS SECTION DATA REPRESENTATIVE OF A REACH. IT IS RECOMMENDED THAT THE OPTIONAL CROSS SECTION DISCHARGE-AREA PLOTS BE OBTAINED WHENEVER NEW CROSS SECTION DATA IS ENTERED. THE PLOTS SHOULD BE CHECKED FOR REASONABLENESS AND ADEQUACY OF INPUT DATA FOR THE COMPUTATION OF "M" VALUES USED IN THE ROUTING PROCEDURE.

GUIDELINES FOR DETERMINING OR ANALYZING REACH LENGTHS AND COEFFICIENTS (X,M) ARE AVAILABLE IN THE USERS MANUAL. SUMMARY TABLE 2 DISPLAYS REACH ROUTING RESULTS AND ROUTING PARAMETERS FOR COMPARISON AND CHECKING.

HYDROGRAPH GENERATION - THE PROCEDURE TO CALCULATE THE INTERNAL TIME INCREMENT AND PEAK TIME OF THE UNIT HYDROGRAPH HAVE BEEN IMPROVED. PEAK DISCHARGES AND TIMES MAY DIFFER FROM THE PREVIOUS VERSION. OUTPUT HYDROGRAPHS ARE STILL INTERGLATED, PRINTED, AND ROUTED AT THE USER SELECTED MAIN TIME INCREMENT.

INTERMEDIATE PEAKS - METHOD ADDED TO PROVIDE DISCHARGES AT INTERMEDIATE POINTS WITHIN REACHES WITHOUT ROUTING.

OTHER - THIS VERSION CONTAINS SOME ADDITIONS TO THE INPUT AND NUMEROUS MODIFICATIONS TO THE OUTPUT. USER OPTIONS HAVE BEEN MODIFIED AND AUGMENTED ON THE JOB RECORD, RAINTABLES ADDED, ERROR AND WARNING MESSAGES EXPANDED, AND THE SUMMARY TABLES COMPLETELY REVISED. THE HOLDOUT OPTION IS NOT OPERATIONAL AT THIS TIME.

PROGRAM QUESTIONS OR PROBLEMS SHOULD BE DIRECTED TO HYDRAULIC ENGINEERS AT THE SOU NATIONAL TECHNICAL CENTERS:
CHESTER, PA (NORTHEAST) -- 313-499-3933, FORT WORTH, TX (SOUTH) -- 334-5242 (FTS)
LINDOLN, NB (MIDWEST) -- 541-5719 (FTS), PORTLAND, OR (WEST) -- 423-4099 (FTS)

PROGRAM CHANGES SINCE MAY 1983:

- 12/17/82 - CORRECT PEAK RATE FACTOR FOR USER ENTERED DIMHYD
CORRECT REACH ROUTING PEAK TRAVEL TIME PRINTED WITH FULLPRINT OPTION
- 5/02/83 - CORRECT COMPUTATIONS FOR ---
1. DIVISION OF BASEFLOW IN DIVERT OPERATION
 2. HYDROGRAPH VOLUME SPLIT BETWEEN BASEFLOW AND ABOVE BASEFLOW
 3. CROSS SECTION DATA PLOTTING POSITION
 4. INTERMEDIATE PEAK WHEN "FROM" AREA IS LARGER THAN "THRU" AREA
 5. STORAGE ROUTED REACH TRAVEL TIME FOR MULTIPLE PEAK HYDROGRAPH
 6. ORDERING "FLOW-FREQ" FILE FROM SUMMARY TABLE #3 DATA
 7. BASEFLOW ENTERED WITH READHYD
 8. LOW FLOW SPLIT DURING DIVERT PROCEDURE #2 WHEN SECTION RATINGS START AT DIFFERENT ELEVATIONS
- ENHANCEMENTS ---
1. REPLACE USER MANUAL ERROR CODES (PAGE 4-9 TO 4-11) WITH MESSAGES
 2. LABEL OUTPUT HYDROGRAPH FILES WITH CROSS SECTION STRUCTURE, ALTERNATE AND STORM NO. 1
- 09/01/83 - CORRECT INPUT AND OUTPUT ERRORS FOR INTERMEDIATE PEAKS
CORRECT COMBINATION OF RATING TABLES FOR DIVERT
CHECK REACH ROUTING PARAMETERS FOR ACCEPTABLE LIMITS
ELIMINATE MINIMUM REACH TRAVEL TIME WHEN ATT-KIN COEFFICIENT EQUALS ONE

EXECUTIVE CONTROL OPERATION LIST

RECORD ID

LISTING OF CURRENT DATA

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 1	1.0000		
		ELEVATION	DISCHARGE	END AREA
		.00	.00	.00
		4.05	940.00	760.00
		6.72	4701.00	2972.00
		8.25	9402.00	4316.00
		11.83	28205.00	8175.00
		15.08	37606.00	9800.00
		14.11	47008.00	12148.00
		9 ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 2	1.0000		
		ELEVATION	DISCHARGE	END AREA
		.00	.00	.00
		4.18	725.00	3503.00
		7.03	3627.00	7129.00
		8.75	7247.00	9721.00
		12.97	21740.00	19580.00
		14.36	28988.00	24234.00
		15.50	36235.00	29275.00
		9 ENDTBL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 3	1.0000		
		ELEVATION	DISCHARGE	END AREA
		.50	.00	.00
		6.39	685.00	1096.00
		8.76	3426.00	3700.00
		11.75	6846.00	5615.00
		15.36	20537.00	11443.00
		17.61	27382.00	13045.00
		15.54	34228.00	14998.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 4	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		.50	.00	.00
8		7.39	649.00	656.00
8		11.56	3246.00	1943.00
8		13.92	5492.00	3286.00
8		19.36	19475.00	7456.00
8		20.81	25966.00	9278.00
8		21.52	32458.00	11245.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 5	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		.00	.00	.00
8		8.39	636.00	327.00
8		14.25	3182.00	1512.00
8		17.06	6364.00	2712.00
8		23.20	19091.00	6400.00
8		25.03	25454.00	9129.00
8		26.43	31818.00	12272.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 6	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		12.50	.00	.00
8		18.19	449.00	709.00
8		22.29	2246.00	1820.00
8		24.32	4492.00	2775.00
8		30.23	13476.00	8048.00
8		31.56	17988.00	10759.00
8		32.67	22460.00	13089.00

9 ENDTBL

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 7	1.0000		
		ELEVATION	DISCHARGE	END AREA

8	16.90	.00	.00
8	20.90	290.00	357.00
8	24.70	1452.00	956.00
8	27.50	2903.00	1758.00
8	33.40	8714.00	4674.00
8	35.10	11618.00	6004.00
8	36.50	14523.00	7385.00
9	ENDTEL		

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 8	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		37.40	.00	.00
8		38.05	237.00	71.00
8		39.36	1195.00	728.00
8		40.33	2370.00	1676.00
8		42.43	7105.00	4458.00
8		43.15	9479.00	5607.00
8		73.78	11848.00	6699.00
9	ENDTEL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 9	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		38.40	.00	.00
8		42.27	203.00	432.00
8		44.27	1017.00	1506.00
8		45.44	2034.00	2452.00
8		47.87	6102.00	5265.00
8		48.65	8136.00	6405.00
8		49.31	10170.00	7462.00
9	ENDTEL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 10	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		46.20	.00	.00
8		50.09	167.00	350.00
8		51.93	937.00	1256.00
8		52.97	1874.00	3189.00
8		54.98	5622.00	5535.00
8		55.61	7456.00	7208.00
8		56.14	9370.00	9064.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 11	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		51.50	.00	.00
8		55.70	138.00	34.00
8		60.27	651.00	998.00
8		61.55	1385.00	4912.00
8		62.92	4148.00	9915.00
8		64.10	5530.00	14871.00
8		64.25	6513.00	15455.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 12	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		59.00	.00	.00
8		63.15	102.00	66.00
8		68.44	508.00	281.00
8		71.94	1016.00	387.00
8		72.74	3049.00	4718.00
8		72.88	4066.00	5057.00
8		73.09	5083.00	6184.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 13	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		5.00	.00	.00
8		7.58	145.00	154.00
8		12.04	726.00	1131.00
8		14.60	1451.00	2033.00
8		20.22	4353.00	4939.00
8		21.78	5904.00	6177.00
8		22.97	7355.00	7409.00
9	ENDTBL			

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 14	1.0000		
		ELEVATION	DISCHARGE	END AREA

8	11.00	.00	.00
8	12.07	136.00	24.00
8	13.90	675.00	79.00
8	15.32	1338.00	133.00
8	21.10	4073.00	459.00
8	22.75	5430.00	1034.00
8	24.03	6788.00	2087.00
9	ENDTBL		

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 15	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		19.40	.00	.00
8		20.54	99.00	119.00
8		22.16	496.00	306.00
8		23.56	991.00	488.00
8		27.40	2973.00	1056.00
8		28.48	3954.00	1237.00
8		29.34	4955.00	1623.00
9	ENDTBL			

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 16	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		19.90	.00	.00
8		20.79	84.00	92.00
8		22.66	422.00	307.00
8		24.17	844.00	500.00
8		26.01	2531.00	1075.00
8		29.16	3374.00	1312.00
8		30.06	4218.00	2031.00
9	ENDTBL			

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 17	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		26.02	.00	.00
8		30.16	60.00	37.00
8		32.56	298.00	106.00
8		34.20	596.00	176.00
8		36.02	1787.00	2440.00
8		36.68	2752.00	4242.00
8		36.65	2978.00	4243.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 18	1.0000		
	ELEVATION	DISCHARGE	END AREA	
0	31.60	.00	.00	
0	31.72	2.00	1.00	
0	32.89	12.00	14.00	
0	34.62	23.00	46.00	
0	36.28	59.00	70.00	
0	36.89	70.00	110.00	
0	36.90	115.00	111.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 19	1.0000		
	ELEVATION	DISCHARGE	END AREA	
0	25.00	.00	.00	
0	26.09	102.00	24.00	
0	27.10	512.00	88.00	
0	27.76	1024.00	153.00	
0	30.11	3071.00	525.00	
0	31.72	4094.00	1433.00	
0	32.79	5118.00	2618.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 20	1.0000		
	ELEVATION	DISCHARGE	END AREA	
0	37.80	.00	.00	
0	38.68	86.00	261.00	
0	39.42	428.00	743.00	
0	39.91	856.00	1152.00	
0	41.09	2568.00	2383.00	
0	41.87	3424.00	3988.00	
0	42.04	4280.00	3640.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 21	1.0000		
	ELEVATION	DISCHARGE	END AREA	

6 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 25	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		29.50	.00	.00
8		31.42	38.00	34.00
8		33.14	158.00	143.00
8		34.04	376.00	215.00
8		36.43	1127.00	450.00
8		37.48	1502.00	581.00
8		38.49	1978.00	676.00

7 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 26	1.0000		
		ELEVATION	DISCHARGE	END AREA
8		32.00	.00	.00
8		33.40	28.00	22.00
8		35.13	141.00	100.00
8		36.96	283.00	165.00
8		38.23	348.00	375.00
8		39.17	1130.00	474.00
8		40.18	1417.00	583.00

9 ENDTBL

TIME INCREMENT		INPUT VALUE OF .0222 NOT EQUAL TO COMPUTED VALUE; COMPUTED VALUE USED.			
4	DIMHYD	.0222			
8		.0000	.1500	.3200	.6000
8		.0000	.1900	.3800	.7300
8		.0500	.1500	.4800	.8300
8		.0500	.1200	.2700	.2300
8		.2100	.2000	.1900	.1800
8		.1600	.1500	.1400	.1300
8		.1100	.1000	.0900	.0800
8		.0500	.0500	.0450	.0400
8		.0300	.0250	.0200	.0150
8		.0000	.0000	.0000	.0000

9 ENDTBL

COMPUTED PEAK RATE FACTOR = 256.08

TABLE NO.	TIME INCREMENT				
5 RAINFL 1	.2500				
E	.0000	.0020	.0050	.0070	.0100
E	.0120	.0150	.0170	.0200	.0230
E	.0260	.0280	.0310	.0340	.0370
E	.0400	.0430	.0470	.0500	.0530
E	.0570	.0600	.0640	.0680	.0720
E	.0760	.0800	.0850	.0890	.0940
E	.1000	.1070	.1150	.1220	.1300
E	.1370	.1480	.1570	.1670	.1780
E	.1860	.2020	.2160	.2320	.2500
E	.2710	.2980	.3390	.5000	.6620
E	.7020	.7290	.7510	.7690	.7850
E	.7990	.8110	.8230	.8340	.8440
E	.8530	.8620	.8700	.8780	.8860
E	.8930	.9000	.9070	.9110	.9160
E	.9200	.9250	.9290	.9330	.9360
E	.9400	.9440	.9470	.9510	.9540
E	.9570	.9600	.9630	.9660	.9690
E	.9720	.9750	.9780	.9810	.9830
E	.9860	.9890	.9910	.9930	.9960
E	.9990	1.0000	1.0000	1.0000	1.0000
9 ENDTBL					

TABLE NO.	TIME INCREMENT				
6 RAINFL 2	1.0000				
E	.0000	.2300	.9900	1.7400	1.9300
E	2.0100	2.4800	2.5100	2.5100	2.5800
E	3.0700	3.2800	3.4500	3.6500	3.9000
E	4.1900	4.7100	5.2100	5.8300	6.1200
E	6.3400	6.7200	6.8000	7.2500	7.4300
E	7.7000	7.8600	7.9900	8.0400	8.1200
E	8.2700	8.3500	8.4300	8.5100	8.5500
E	8.7900	10.2500	12.5800	12.8700	13.1100
E	13.1500	13.2700	13.2900	13.3200	13.3200
9 ENDTBL					

TABLE NO.	TIME INCREMENT				
8 RAINFL 3	1.0000				
E	.0000	.3500	.6000	.6800	1.1700
E	1.3100	1.5800	1.7600	1.8700	1.9200
E	2.0000	2.1500	2.2300	2.3400	2.3900

8	2.4300	2.6700	4.1300	6.4500	5.7500
8	5.9900	7.0700	7.1500	7.1700	7.2000
8	7.2000	.0000	.0000	.0000	.0000

9 ENDTBL

TABLE NO. TIME INCREMENT
5 RAINFL 4 .5000

8	.0000	.0040	.0080	.0120	.0160
8	.0200	.0250	.0300	.0350	.0400
8	.0450	.0500	.0550	.0600	.0650
8	.0700	.0750	.0810	.0870	.0930
8	.0990	.1050	.1110	.1180	.1250
8	.1320	.1400	.1480	.1560	.1650
8	.1740	.1840	.1950	.2070	.2200
8	.2350	.2550	.2770	.3030	.4090
8	.5150	.5490	.5830	.6080	.6240
8	.6400	.6550	.6690	.6820	.6940
8	.7050	.7150	.7270	.7380	.7480
8	.7580	.7670	.7760	.7840	.7920
8	.8000	.8080	.8160	.8230	.8300
8	.8370	.8440	.8510	.8580	.8640
8	.8700	.8760	.8820	.8880	.8940
8	.9000	.9060	.9110	.9160	.9210
8	.9250	.9310	.9360	.9410	.9460
8	.9510	.9560	.9610	.9660	.9710
8	.9760	.9800	.9840	.9880	.9920
8	.9960	1.0000	1.0000	1.0000	1.0000

9 ENDTBL

TABLE NO. TIME INCREMENT
5 RAINFL 5 .5000

8	.0000	.0020	.0050	.0080	.0110
8	.0140	.0170	.0200	.0230	.0260
8	.0290	.0320	.0350	.0380	.0410
8	.0440	.0470	.0510	.0550	.0590
8	.0630	.0670	.0710	.0750	.0790
8	.0840	.0890	.0940	.0990	.1040
8	.1090	.1140	.1200	.1260	.1330
8	.1400	.1470	.1540	.1620	.1710
8	.1810	.1920	.2040	.2170	.2330
8	.2530	.2770	.3120	.3580	.4630
8	.7290	.7520	.7700	.7850	.7980
8	.8090	.8190	.8290	.8380	.8460
8	.8540	.8610	.8680	.8740	.8800
8	.8860	.8920	.8970	.9020	.9070

8	.9120	.9170	.9210	.9250	.9290
8	.9330	.9370	.9410	.9450	.9490
8	.9530	.9570	.9600	.9630	.9660
8	.9690	.9720	.9750	.9780	.9810
8	.9840	.9870	.9900	.9930	.9960
8	.9980	1.0000	1.0000	1.0000	1.0000
9	ENDTBL				

TABLE NO. TIME INCREMENT
5 RAINFL 6 .0200

8	.0000	.0080	.0162	.0246	.0333
8	.0425	.0524	.0630	.0743	.0863
8	.0990	.1124	.1265	.1420	.1595
8	.1830	.2050	.2250	.2450	.2670
8	.3000	.3030	.3330	.3600	.3840
8	.7050	.7240	.7420	.7590	.7750
8	.7900	.8043	.8180	.8312	.8439
8	.8561	.8678	.8790	.8895	.9002
8	.9103	.9201	.9297	.9391	.9483
8	.9573	.9661	.9747	.9832	.9915
8	1.0000	1.0000	1.0000	1.0000	1.0000
9	ENDTBL				

STANDARD CONTROL INSTRUCTIONS

6	RUNOFF	1	12		7	20.3300	79.0000	5.41001	0	0	0	0	1
6	REACH	3	11	7	6	18280.0000	.0000	.00000	0	0	0	0	1
6	RUNOFF	1	11		5	7.3200	79.0000	3.19001	0	0	0	0	1
6	ADDSHD	4	11	5	6	7		0	0	0	0	0	1
6	REACH	3	10	7	6	6950.0000	.0000	.00000	0	0	0	0	1
6	RUNOFF	1	10		5	9.8300	79.0000	2.91001	0	0	0	0	1
6	ADDSHD	4	10	5	6	7		1	0	0	0	0	1
6	REACH	3	9	7	6	7626.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	9		5	3.2000	79.0000	2.29001	0	0	0	0	1
6	ADDSHD	4	9	6	5	7		1	0	0	0	0	1
6	REACH	3	8	7	5	19251.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	8		7	6.7100	79.0000	4.37001	0	0	0	0	1
6	ADDSHD	4	8	7	5	6		1	0	0	0	0	1
6	SAVMOV	5	8	6	1								
6	RUNOFF	1	26		7	5.5500	79.0000	4.05001	0	0	0	0	1
6	REACH	3	25	7	6	4700.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	25		5	1.8600	79.0000	2.35001	0	0	0	0	1
6	ADDSHD	4	25	6	5	7		1	0	0	0	0	1
6	REACH	3	24	7	5	4200.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	24		6	.9300	79.0000	1.41001	0	0	0	0	1
6	ADDSHD	4	24	5	6	7		1	0	0	0	0	1
6	REACH	3	23	7	5	5400.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	23		6	1.0600	79.0000	1.41001	0	0	0	0	1
6	ADDSHD	4	23	5	6	7		1	0	0	0	0	1
6	SAVMOV	5	23	7	4								
6	ADDSHD	4	9	4	1	5		1	0	0	0	0	1
6	REACH	3	7	5	6	5142.0000	.0000	.00000	0	0	0	0	1
6	RUNOFF	1	7		7	1.2900	79.0000	1.31001	0	0	0	0	1
6	ADDSHD	4	7	7	5	5		1	0	0	0	0	1
6	SAVMOV	5	7	5	1								
6	RUNOFF	1	22		7	6.4900	79.0000	3.21001	0	0	0	0	1
6	REACH	3	21	7	6	5350.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	21		5	3.1900	79.0000	3.12001	0	0	0	0	1
6	ADDSHD	4	21	5	6	7		1	0	0	0	0	1
6	REACH	3	20	7	5	12050.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	20		7	7.4400	79.0000	2.56001	0	0	0	0	1
6	ADDSHD	4	20	5	7	6		1	0	0	0	0	1
6	REACH	3	19	6	5	11250.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	19		7	3.3500	79.0000	2.42001	0	0	0	0	1
6	ADDSHD	4	19	7	5	6		1	0	0	0	0	1
6	SAVMOV	5	19	6	3								
6	ADDSHD	4	7	3	1	7		1	0	0	0	0	1
6	REACH	3	6	7	5	14250.0000	.0000	.00001	0	0	0	0	1
6	RUNOFF	1	6		6	11.2800	79.0000	5.50001	0	0	0	0	1
6	ADDSHD	4	6	5	6	7		1	0	0	0	0	1

6 REACH	3	5	7	6	10570.0000	.0000	.000001	0	0	0	0	1
6 RUNOFF	1	5		5	8.4100	75.0000	3.360001	0	0	0	0	1
6 ADDHYD	4	5	6	5	7			1	0	0	0	1
6 SAVMOV	5	5	7	1								
6 RUNOFF	1	18		7	.4600	80.0000	.89001	0	0	0	0	1
6 REACH	3	17	7	6	3014.0000	.0000	.000001	0	0	0	0	1
6 RUNOFF	1	17		7	11.4500	80.0000	3.810001	0	0	0	0	1
6 ADDHYD	4	17	7	6	5			1	0	0	0	1
6 REACH	3	16	5	7	9120.0000	.0000	.000001	0	0	0	0	1
6 RUNOFF	1	16		5	4.9600	75.0000	2.700001	0	0	0	0	1
6 ADDHYD	4	16	6	7	5			1	0	0	0	1
6 REACH	3	15	5	7	4560.0000	.0000	.000001	0	0	0	0	1
6 RUNOFF	1	15		6	2.9500	81.0000	2.980001	0	0	0	0	1
6 ADDHYD	4	15	6	7	5			1	0	0	0	1
6 REACH	3	14	5	7	4997.0000	.0000	.000001	0	0	0	0	1
6 RUNOFF	1	14		6	7.3300	81.0000	3.810001	0	0	0	0	1
6 ADDHYD	4	14	6	7	5			1	0	0	0	1
6 REACH	3	13	5	7	6756.0000	.0000	.000001	0	0	0	0	1
6 RUNOFF	1	13		6	1.8700	81.0000	2.210001	0	0	0	0	1
6 ADDHYD	4	13	6	7	5			1	0	0	0	1
6 SAVMOV	5	13	5	2								
6 REACH	3	5	2	7	1000.0000	.0000	.000001	0	0	0	0	1
6 ADDHYD	4	5	7	1	6			1	0	0	0	1
6 REACH	3	4	6	5	9955.0000	.0000	.000001	0	0	0	0	1
6 RUNOFF	1	4		7	2.5600	75.0000	1.730001	0	0	0	0	1
6 ADDHYD	4	4	7	5	6			1	0	0	0	1
6 REACH	3	3	6	5	8415.0000	.0000	.000001	0	0	0	0	1
6 RUNOFF	1	3		7	7.0600	75.0000	3.540001	0	0	0	0	1
6 ADDHYD	4	3	7	5	6			1	0	0	0	1
6 REACH	3	2	6	5	15026.0000	.0000	.000001	0	0	0	0	1
6 RUNOFF	1	2		7	5.0200	75.0000	4.790001	0	0	0	0	1
6 ADDHYD	4	2	5	7	6			1	0	0	0	1
6 REACH	3	1	6	5	15000.0000	.0000	.000000	0	0	0	0	1
6 RUNOFF	1	1		7	43.1000	75.0000	3.250001	0	0	0	0	1
6 ADDHYD	4	1	5	7	1			1	1	1	1	1

ENDATE

END OF LISTING

EXECUTIVE CONTROL OPERATION INCREM MAIN TIME INCREMENT = .25 HOURS RECORD ID

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 12 TO XSECTION 1 RECORD ID
STARTING TIME = .00 RAIN DEPTH = 10.60 RAIN DURATION= 1.00 RAIN TABLE NO.= 1 ANT. MOIST. COND= 2
ALTERNATE NO.= 0 STORM NO.= 0 MAIN TIME INCREMENT = .25 HOURS

OPERATION RUNOFF CROSS SECTION 12

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.16	8263.08	(RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 11 BY 1347.3 CFS

OPERATION RUNOFF CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.36	4456.77	(RUNOFF)

OPERATION RUNOFF CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.16	6397.20	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.95	7287.40	56.12

OPERATION REACH CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.38	6380.01	45.73

OPERATION RUNOFF CROSS SECTION 9

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.65	5496.40	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 9

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.89 9720.39 49.17

OPERATION REACH CROSS SECTION 8

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.59 8352.19 42.91

OPERATION RUNOFF CROSS SECTION 8

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.32 3213.13 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 8

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
19.71 10215.70 52.68

OPERATION RUNOFF CROSS SECTION 26

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
13.06 2925.02 (RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 25 BY 943.3 CFS

OPERATION REACH CROSS SECTION 25

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
13.53 2794.34 40.95

OPERATION RUNOFF CROSS SECTION 25

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
13.72 1395.36 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 25

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.16 3841.53 42.76

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 24 BY 1723.7 CFS

OPERATION REACH CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.66	3814.72	42.13

OPERATION RUNOFF CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.04	1016.47	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.41	4092.08	43.43

*** WARNING - INFLOW EXCEEDED MAX. FLOW IN XSECTN TABLE 23 BY 1915.1 CFS

OPERATION REACH CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.16	4203.17	41.30

OPERATION RUNOFF CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.04	1177.11	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 25

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.99	4682.47	42.73

OPERATION ADDHYD CROSS SECTION E

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.47	13893.46	106.07

OPERATION RUNOFF CROSS SECTION E

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.97	1374.82	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.21	14027.01	36.26

OPERATION RUNOFF CROSS SECTION 22

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.86	3456.72	(RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 21 BY 1032.7 CFS

OPERATION REACH CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.26	3134.84	48.58

OPERATION RUNOFF CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.31	1972.68	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 21

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.55	4759.82	50.09

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 20 BY 476.1 CFS

OPERATION REACH CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.99	4035.39	41.51

OPERATION RUNOFF CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
10.88	5324.10	(RUNOFF)

OPERATION ABOVE CROSS SECTION 20
PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.10 7082.48 47.45

*** WARNING - FLOW EXCEEDED MAX FLOW IN SECTION SCALE 19 BY 2081.3 CFS

OPERATION ABOVE CROSS SECTION 19
PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
18.87 2922.04 34.02

OPERATION ABOVE CROSS SECTION 19
PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
17.78 2607.08 (RUNDIFF) 35.14

OPERATION ABOVE CROSS SECTION 19
PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
17.99 7371.35 35.14

OPERATION ABOVE CROSS SECTION 7
PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
18.15 21951.90 35.13

OPERATION ABOVE CROSS SECTION 6
PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
20.84 19986.00 32.11

OPERATION ABOVE CROSS SECTION 5
PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
18.24 4827.78 (RUNDIFF)

OPERATION ABOVE CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.26	23170.02	32.63

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.37	22930.31	24.30

OPERATION RUNOFF CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.41	5037.84	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.97	24920.15	24.88

OPERATION RUNOFF CROSS SECTION 18

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
12.71	703.07	(RUNOFF)
23.69	32.44	(RUNOFF)

*** WARNING REACH 17 ATT-MIN COEFF. (C) GREATER THAN 0.667. CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.05	677.12	34.32

OPERATION RUNOFF CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.85	6199.65	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.75	6507.35	36.75

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 16 BY 2289.4 CFS

OPERATION REACH CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.61	5519.77	31.45

OPERATION RUNOFF CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.00	3412.40	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.95	7923.51	34.01

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 15 BY 2967.9 CFS

OPERATION REACH CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.53	7868.09	31.67

OPERATION RUNOFF CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.20	1947.14	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.15	9311.63	33.12

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 14 BY 2526.9 CFS

OPERATION REACH CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.21	9079.01	28.19

OPERATION RUNOFF CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.84	4022.70	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.52	12372.04	29.29

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 13 BY 5115.9 CFS

OPERATION REACH CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.43	11474.62	26.43

OPERATION RUNOFF CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.59	1551.61	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 13

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.27	12094.21	26.94

*** WARNING REACH 5 ATT-KIN COEFF.(C) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.27	12094.21	19.82

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.62	34078.04	27.37

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 4 BY 3611.6 CFS

OPERATION REACH CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.59	35761.47	22.48

OPERATION RUNOFF CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.26	2449.11	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 4

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.47	36190.10	22.56

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 3 BY 1964.9 CFS

OPERATION REACH CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.26	36009.99	18.91

OPERATION RUNOFF CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.64	3780.74	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 3

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
21.02	37711.82	19.16

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 2 BY 1478.5 CFS

OPERATION REACH CROSS SECTION 2

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
20.68	35487.50	15.38

OPERATION RUNOFF CROSS SECTION 2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.65 3590.25 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
23.43 37085.70 15.63

OPERATION RUNOFF CROSS SECTION 1

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
18.94 11887.15 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 1

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
23.33 46138.96 14.01

TIME(HRS)	FIRST HYDROGRAPH POINT =	.00 HOURS	TIME INCREMENT =	.25 HOURS	DRAINAGE AREA = 188.03 SQ.MI.							
2.50	DISCHG	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2.50	ELEV	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
5.00	DISCHG	.15	.45	.96	1.58	3.30	5.37	6.32	12.38	17.83	25.02	
5.00	ELEV	.00	.00	.00	.01	.01	.02	.04	.05	.08	.11	
7.50	DISCHG	34.68	47.30	63.59	84.13	109.66	141.09	179.33	225.34	280.26	345.46	
7.50	ELEV	.15	.20	.27	.36	.47	.61	.77	.97	1.21	1.49	
10.00	DISCHG	422.33	512.55	617.90	740.44	882.79	1048.32	1242.44	1484.29	1821.68	2278.33	
10.00	ELEV	1.82	2.21	2.66	3.19	3.80	4.43	4.26	4.44	4.58	5.00	
12.50	DISCHG	2922.00	3443.25	4145.68	4945.75	5856.23	6993.63	8059.85	9375.39	10846.33	12423.50	
12.50	ELEV	5.39	5.87	6.33	6.80	7.10	7.43	7.81	8.24	8.52	9.50	
15.00	DISCHG	14047.38	15700.72	17381.65	19085.72	20796.47	22502.45	24163.34	25705.26	27126.97	28502.75	
15.00	ELEV	9.13	9.45	9.77	10.07	10.42	10.74	11.06	11.35	11.62	11.87	
17.50	DISCHG	29853.22	31164.06	32402.39	33577.45	34720.67	35831.95	36901.41	37917.85	38884.35	39804.93	
17.50	ELEV	12.05	12.23	12.39	12.54	12.70	12.84	12.99	13.11	13.22	13.32	
20.00	DISCHG	40672.33	41477.75	42216.11	42888.95	43496.12	44043.39	44526.25	44947.57	45305.89	45600.19	
20.00	ELEV	13.40	13.50	13.59	13.66	13.75	13.79	13.84	13.88	13.92	13.96	
22.50	DISCHG	45826.75	45991.68	46092.81	46136.13	46127.02	46075.03	45986.58	45857.75	45686.59	45479.43	
22.50	ELEV	13.92	14.00	14.01	14.01	14.01	14.01	14.00	13.98	13.97	13.94	
25.00	DISCHG	45242.50	44981.26	44692.00	44349.02	44009.36	43614.43	43184.50	42723.58	42235.35	41724.10	
25.00	ELEV	13.92	13.87	13.86	13.83	13.78	13.74	13.69	13.64	13.59	13.53	
27.50	DISCHG	41193.34	40643.34	40074.20	39486.88	38883.49	38266.73	37629.28	37003.01	36360.42	35716.51	
27.50	ELEV	13.47	13.41	13.35	13.29	13.22	13.15	13.08	13.00	12.91	12.83	
30.00	DISCHG	35072.67	34427.02	33775.91	33135.06	32484.21	31837.34	31191.98	30545.71	29902.17	29270.90	
30.00	ELEV	12.74	12.66	12.57	12.49	12.40	12.31	12.23	12.14	12.06	11.97	
32.50	DISCHG	28637.58	28005.77	27384.93	26746.71	26154.62	25549.37	24953.00	24364.68	23790.51	23229.49	
32.50	ELEV	11.99	11.79	11.67	11.56	11.44	11.32	11.21	11.10	10.99	10.88	

35.00	DISCHG	22679.56	22140.87	21615.55	21195.80	20609.79	20124.49	19649.43	19184.33	18725.79	18282.50
35.00	ELEV	10.78	10.48	10.58	10.48	10.38	10.29	10.20	10.11	10.03	9.94
37.50	DISCHG	17845.24	17416.91	16977.42	16556.76	16154.84	15791.61	15406.98	15030.79	14662.90	14303.16
37.50	ELEV	9.86	9.78	9.70	9.62	9.54	9.47	9.39	9.32	9.25	9.19
40.00	DISCHG	13951.43	13607.38	13270.55	12941.10	12619.85	12307.60	12004.08	11708.88	11421.62	11142.04
40.00	ELEV	9.12	9.05	8.99	8.92	8.86	8.80	8.75	8.69	8.63	8.58
42.50	DISCHG	10889.90	10605.00	10347.13	10096.12	9851.79	9613.98	9382.53	9157.28	8938.05	8724.70
42.50	ELEV	8.53	8.48	8.43	8.38	8.34	8.29	8.24	8.17	8.10	8.03
45.00	DISCHG	8517.06	8314.98	8118.31	7926.86	7740.47	7558.93	7382.04	7209.56	7041.43	6877.46
45.00	ELEV	7.92	7.90	7.83	7.77	7.71	7.65	7.59	7.54	7.48	7.43
47.50	DISCHG	6717.51	6561.40	6409.02	6260.27	6115.05	5973.26	5834.81	5699.61	5567.54	5438.53
47.50	ELEV	7.38	7.33	7.28	7.23	7.18	7.13	7.09	7.05	7.00	6.96
50.00	DISCHG	5312.46	5189.25	5068.82	4951.06	4835.89	4723.21	4612.94	4504.99	4399.28	4295.75
50.00	ELEV	6.92	6.88	6.84	6.80	6.76	6.73	6.68	6.58	6.51	6.43
52.50	DISCHG	4194.34	4094.98	3997.64	3902.24	3808.76	3717.18	3627.58	3540.43	3456.76	3376.95
52.50	ELEV	6.36	6.29	6.22	6.15	6.09	6.02	5.96	5.90	5.84	5.78
55.00	DISCHG	3299.90	3224.66	3151.16	3078.96	3005.29	2935.95	2870.88	2804.04	2738.38	2675.65
55.00	ELEV	5.72	5.67	5.62	5.57	5.52	5.47	5.42	5.37	5.33	5.29
57.50	DISCHG	2610.40	2547.99	2486.60	2426.19	2366.75	2308.24	2250.65	2192.98	2135.10	2083.05
57.50	ELEV	5.24	5.19	5.15	5.11	5.06	5.02	4.98	4.94	4.90	4.86
60.00	DISCHG	2028.80	1975.34	1922.65	1870.72	1819.53	1769.11	1719.42	1670.45	1622.22	1574.69
60.00	ELEV	4.82	4.79	4.75	4.71	4.67	4.64	4.60	4.57	4.53	4.50
62.50	DISCHG	1527.85	1481.57	1436.14	1391.22	1346.81	1302.32	1258.38	1209.08	1165.05	1116.16
62.50	ELEV	4.47	4.43	4.40	4.37	4.34	4.31	4.27	4.24	4.21	4.18
65.00	DISCHG	1075.17	1036.06	1003.82	970.22	935.90	915.71	888.49	862.16	836.64	811.89
65.00	ELEV	4.14	4.12	4.10	4.07	4.05	3.95	3.93	3.71	3.60	3.50
67.50	DISCHG	787.89	764.51	741.99	720.63	698.70	677.98	657.90	638.45	619.58	601.29
67.50	ELEV	3.39	3.29	3.20	3.10	3.01	2.92	2.83	2.75	2.67	2.59
70.00	DISCHG	583.54	566.25	549.50	533.18	517.34	501.93	486.95	472.37	458.23	444.49
70.00	ELEV	2.51	2.44	2.37	2.30	2.23	2.16	2.10	2.04	1.97	1.92
72.50	DISCHG	431.15	418.20	405.62	393.39	381.32	369.99	358.80	347.95	337.46	327.28
72.50	ELEV	1.86	1.80	1.75	1.69	1.64	1.59	1.55	1.50	1.45	1.41

RUNOFF VOLUME ABOVE BASEFLOW = 7.96 WATERSHED INCHES, 965914.80 CFS-HRS, 79823.20 ACRE-FEET; BASEFLOW = .00 CFS

--- HYDROGRAPH FOR XSECTION 1, ALTERNATE 0, STORM 0, ADDED TO OUTPUT HYDROGRAPH FILE ---

EXECUTIVE CONTROL OPERATION ENDOMP COMPUTATIONS COMPLETED FOR PAGE 1 RECORD 10

EXECUTIVE CONTROL OPERATION ENDJDF RECORD 11

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUMENTS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	RAIN INCEP TIME (HR)	PRECIPITATION			RUNOFF			PEAK DISCHARGE		
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)	AMOUNT (IN)	ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)	
ALTERNATE 0 STORM 0														
SECTION 12	RUNOFF	24.33	1	2	.25	.0	10.50	24.00	7.97	---	16.16	8333.08	405.5	
SECTION 11	REACH	20.33	1	2	.25	.0	10.50	24.00	7.94	63.15	25.11	4823.05	217.6	
SECTION 11	RUNOFF	7.32	1	2	.25	.0	10.50	24.30	7.95	---	14.36	4556.77	508.9	
SECTION 11	ADDHYD	27.65	1	2	.25	.0	10.50	24.00	7.94	64.12	22.75	5719.17	205.8	
SECTION 10	REACH	27.35	1	2	.25	.0	10.50	24.00	7.94	54.95	24.38	5235.42	203.8	
SECTION 10	RUNOFF	9.83	1	2	.25	.0	10.50	24.00	7.96	---	14.16	4997.20	650.6	
SECTION 10	ADDHYD	37.46	1	2	.25	.0	10.50	24.00	7.94	56.12	14.95	3289.40	147.8	
SECTION 9	REACH	37.48	1	2	.25	.0	10.50	24.00	7.94	48.73	17.38	8333.01	223.7	
SECTION 9	RUNOFF	3.20	1	2	.25	.0	10.50	24.00	7.97	---	13.65	2456.40	780.1	
SECTION 9	ADDHYD	40.68	1	2	.25	.0	10.50	24.00	7.94	49.17	16.68	9730.39	233.2	
SECTION 8	REACH	40.66	1	2	.25	.0	10.50	24.00	7.93	42.81	21.58	8333.3	205.3	
SECTION 8	RUNOFF	6.71	1	2	.25	.0	10.50	24.00	7.96	---	15.32	3233.13	473.9	
SECTION 8	ADDHYD	47.39	1	2	.25	.0	10.50	24.00	7.93	52.68	19.77	10215.70	245.6	
SECTION 8	REACH	7.51	1	2	.25	.0	10.50	24.00	7.85	42.13	15.66	3814.72	508.0	
SECTION 8	RUNOFF	.93	1	2	.25	.0	10.50	24.30	7.84	---	13.04	1016.37	1093.0	
SECTION 8	ADDHYD	8.44	1	2	.25	.0	10.50	24.00	7.83	43.43	15.41	4292.08	503.5	
SECTION 25	RUNOFF	1.86	1	2	.25	.0	10.50	24.00	7.83	---	13.72	1395.36	731.6	
SECTION 25	ADDHYD	7.51	1	2	.25	.0	10.50	24.00	7.83	43.76	15.16	3814.58	511.5	
SECTION 24	REACH	7.51	1	2	.25	.0	10.50	24.00	7.85	42.13	15.66	3814.72	508.0	
SECTION 24	RUNOFF	.93	1	2	.25	.0	10.50	24.30	7.84	---	13.04	1016.37	1093.0	
SECTION 24	ADDHYD	8.44	1	2	.25	.0	10.50	24.00	7.83	43.43	15.41	4292.08	503.5	
SECTION 23	REACH	9.44	1	2	.25	.0	10.50	24.00	7.83	41.30	14.19	4233.17	483.0	
SECTION 23	RUNOFF	1.06	1	2	.25	.0	10.50	24.00	7.97	---	13.04	1177.11	1110.5	
SECTION 23	ADDHYD	9.50	1	2	.25	.0	10.50	24.00	7.85	42.73	15.99	4686.47	493.5	
SECTION 3	ADDHYD	56.85	1	2	.25	.0	10.50	24.00	7.92	100.07	17.47	1352.46	244.0	
SECTION 7	REACH	56.89	1	2	.25	.0	10.50	24.00	7.92	36.13	18.42	13732.73	241.7	
SECTION 7	RUNOFF	1.20	1	2	.25	.0	10.50	24.00	7.84	---	12.97	1374.52	1145.7	
SECTION 7	ADDHYD	58.09	1	2	.25	.0	10.50	24.00	7.92	36.26	18.21	14037.01	241.5	
SECTION 11	RUNOFF	6.44	1	2	.25	.0	10.50	24.00	7.97	---	14.36	3486.72	572.6	
SECTION 11	REACH	6.44	1	2	.25	.0	10.50	24.00	7.97	46.88	13.26	3174.34	483.0	
SECTION 11	RUNOFF	3.19	1	2	.25	.0	10.50	24.00	7.96	---	14.31	1972.68	618.4	
SECTION 21	ADDHYD	9.68	1	2	.25	.0	10.50	24.00	7.86	50.09	13.33	4739.52	491.7	
SECTION 20	REACH	9.68	1	2	.25	.0	10.50	24.00	7.86	41.91	17.99	4035.33	416.9	

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (QFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCRM (HR)	PRECIPITATION				PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)	RUNOFF AMOUNT (IN)	ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CFS)
ALTERNATE		0	STORM	0									
XSECTION 20	RUNOFF	7.44	1	2	.25	.0	10.50	24.00	7.96	---	13.88	5324.10	715.8
XSECTION 20	ADDHYD	17.12	1	2	.25	.0	10.50	24.00	7.96	43.65	16.10	7208.65	421.1
XSECTION 19	REACH	17.12	1	2	.25	.0	10.50	24.00	7.96	34.02	18.87	6282.94	367.5
XSECTION 19	RUNOFF	3.35	1	2	.25	.0	10.50	24.00	7.97	---	13.78	2507.06	748.4
XSECTION 19	ADDHYD	20.47	1	2	.25	.0	10.50	24.00	7.96	35.14	17.99	7370.35	360.1
XSECTION 7	ADDHYD	78.56	1	2	.25	.0	10.50	24.00	7.93	39.21	18.15	21390.50	372.7
XSECTION 8	REACH	78.56	1	2	.25	.0	10.50	24.00	7.92	32.11	20.84	19958.30	254.4
XSECTION 8	RUNOFF	11.28	1	2	.25	.0	10.50	24.00	7.96	---	16.24	4527.75	401.4
XSECTION 8	ADDHYD	89.84	1	2	.25	.0	10.50	24.00	7.93	32.83	20.25	23170.02	257.9
XSECTION 8	REACH	89.84	1	2	.25	.0	10.50	24.00	7.92	24.30	21.37	22920.31	255.2
XSECTION 3	RUNOFF	2.41	1	2	.25	.0	10.50	24.00	7.97	---	14.41	5037.84	599.0
XSECTION 3	ADDHYD	98.25	1	2	.25	.0	10.50	24.00	7.93	24.88	20.87	24920.18	253.8
XSECTION 18	RUNOFF	.46	1	2	.25	.0	10.50	24.00	8.09	---	12.71	703.07	1528.4
XSECTION 17	REACH	.46	1	2	.25	.0	10.50	24.00	8.09	34.32	13.05	677.12	1472.0
XSECTION 17	RUNOFF	11.45	1	2	.25	.0	10.50	24.00	8.10	---	14.85	6188.65	541.5
XSECTION 17	ADDHYD	11.91	1	2	.25	.0	10.50	24.00	8.10	36.75	14.75	6507.38	546.4
XSECTION 16	REACH	11.91	1	2	.25	.0	10.50	24.00	8.10	31.45	15.61	5519.37	463.4
XSECTION 16	RUNOFF	4.96	1	2	.25	.0	10.50	24.00	7.96	---	14.00	3412.40	486.0
XSECTION 16	ADDHYD	16.87	1	2	.25	.0	10.50	24.00	8.06	34.01	15.95	7925.61	469.7
XSECTION 16	REACH	16.87	1	2	.25	.0	10.50	24.00	8.06	31.87	15.57	7568.07	466.4
XSECTION 15	RUNOFF	2.95	1	2	.25	.0	10.50	24.00	8.22	---	14.20	1947.14	560.0
XSECTION 15	ADDHYD	19.82	1	2	.25	.0	10.50	24.00	8.08	33.12	16.15	5711.67	469.8
XSECTION 14	REACH	19.32	1	2	.25	.0	10.50	24.00	8.08	26.17	17.21	9079.01	458.1
XSECTION 14	RUNOFF	7.33	1	2	.25	.0	10.50	24.00	8.27	---	14.84	4002.70	550.2
XSECTION 14	ADDHYD	27.15	1	2	.25	.0	10.50	24.00	8.12	29.29	15.52	12372.04	485.7
XSECTION 13	REACH	27.15	1	2	.25	.0	10.50	24.00	8.12	26.43	16.43	11474.63	432.9
XSECTION 13	RUNOFF	1.37	1	2	.25	.0	10.50	24.00	8.23	---	13.59	1551.61	529.7
XSECTION 17	ADDHYD	29.00	1	2	.25	.0	10.50	24.00	8.13	25.84	18.27	12094.21	416.6
XSECTION 5	REACH	29.02	1	2	.25	.0	10.50	24.00	8.17	19.82	19.27	12094.21	416.6
XSECTION 5	ADDHYD	127.37	1	2	.25	.0	10.50	24.00	7.97	27.37	19.63	36076.04	260.5
XSECTION 4	REACH	127.37	1	2	.25	.0	10.50	24.00	7.97	22.46	20.89	35761.47	261.0
XSECTION 4	RUNOFF	2.56	1	2	.25	.0	10.50	24.00	7.96	---	17.26	2449.11	556.7
XSECTION 4	ADDHYD	129.83	1	2	.25	.0	10.50	24.00	7.97	22.56	20.47	36133.10	279.6
XSECTION 3	REACH	129.83	1	2	.25	.0	10.50	24.00	7.97	18.91	21.26	36008.95	277.4
XSECTION 3	RUNOFF	7.08	1	2	.25	.0	10.50	24.00	7.96	---	14.84	3980.70	560.7
XSECTION 5	ADDHYD	138.91	1	2	.25	.0	10.50	24.00	7.97	19.14	21.22	37711.62	275.4

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFS) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC XGIST COND.	MAIN TIME INCR*	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)
	ALTERNATE	0	STORM	0									
XSECTION	2 REACH	136.91	1	2	.25	.0	10.60	24.00	7.96	15.38	23.68	35487.50	259.0
XSECTION	2 RUNOFF	8.02	1	2	.25	.0	10.60	24.00	7.96	---	18.65	3590.28	446.4
XSECTION	2 ADDHYD	144.93	1	2	.25	.0	10.60	24.00	7.96	15.63	23.43	37088.70	255.9
XSECTION	1 REACH	144.93	1	2	.25	.0	10.60	24.00	7.96	12.99	24.26	36916.26	254.7
XSECTION	1 RUNOFF	43.10	1	2	.25	.0	10.60	24.00	7.96	---	18.94	11987.15	275.3
XSECTION	1 ADDHYD	166.03	1	2	.25	.0	10.60	24.00	7.96	14.01	23.33	46135.96	245.4

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-KIN REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
(A STAR(*) AFTER VOLUME ABOVE BASE(IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
A QUESTION MARK(?) AFTER COEFF.(C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS)

XSECT	REACH	HYDROGRAPH INFORMATION						ROUTING PARAMETERS						PEAK					
		INFLOW		OUTFLOW		OUTFLOW+ INTERV.AREA		BASE- FLOW	VOLUME ABOVE BASE	MAIN TIME INCR	ITER- ATION #	G AND A		LENGTH FACTOR	PEAK RATIO (%)	S/D %PEAK (%)	ATT- KIN COEFF (%)	TRAVEL TIME	
ID	LENGTH (FT)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)	PEAK (CFS)	TIME (HR)					(IN)	(HR)					COEFF (%)	POWER (%)
	ALTERNATE	C	STORM	O															
11	16280	8260	15.3	4423	25.0	5719	22.8	0	7.97	.25	6	.058	1.21	.765	.535	30148	.03	7.00	8.81
10	5950	5719	22.8	5635	24.5	9288	15.0	0	7.94	.25	1	.181	1.20	.046	.985	5695	.15	1.75	1.55
9	9626	9255	15.0	8381	17.5	9729	16.9	0	7.94	.25	1	.029	1.43	.036	.902	5078	.16	2.50	1.47
8	19251	9729	16.8	8350	21.5	10216	19.5	0	7.94	.25	2	1.05	1.05	.134	.859	10982	.08	4.75	3.00
35	4700	2621	15.0	2793	15.5	3840	13.3	0	7.83	.25	1	.372	1.30	.017	.990	1214	.54	.50	.34
24	4200	3840	15.3	3813	15.5	4290	15.5	0	7.83	.25	1	.354	1.22	.015	.993	1122	.57	.50	.31
23	5400	4290	15.5	4202	16.3	4658	16.0	0	7.83	.25	1	.212	1.30	.032	.975	1950	.37	.75	.54
7	5142	13882	17.5	13752	18.5	14027	18.3	0	7.92	.25	1	.619	1.13	.022	.991	2321	.32	1.00	.68
21	5850	3453	14.6	3135	15.3	4756	15.8	0	7.97	.25	1	.119	1.29	.078	.908	3731	.23	1.50	1.00
20	12050	4756	15.8	4035	18.0	7207	18.0	0	7.96	.25	3	.043	1.40	.153	.848	7053	.12	2.25	2.00
19	11850	7207	18.0	6290	18.9	7370	18.0	0	7.96	.25	3	1.33	1.00	.203	.870	8814	.10	2.75	2.45
9	14250	21391	18.3	19824	20.8	23170	20.3	0	7.93	.25	1	.325	1.15	.056	.934	7106	.12	2.50	1.98
5	10270	23170	20.3	22926	21.3	24920	21.0	0	7.93	.25	1	.707	1.15	.034	.955	3302	.24	1.00	.82
17	3014	701	12.5	675	13.0	6507	14.8	0	8.09	.25	2	.365	1.37	.034	.963	760	.740	.25	.21
16	9130	6507	14.8	6516	16.5	7923	16.0	0	8.10	.25	3	1.05	1.05	.154	.848	5517	.15	1.75	1.54
15	4980	7923	16.0	7868	16.5	9309	16.3	0	8.06	.25	1	.848	1.15	.029	.993	1567	.45	.50	.44
14	4597	9309	16.3	9073	17.3	12372	16.5	0	8.08	.25	1	1.77	1.00	.071	.975	2830	.27	1.00	.70
13	6796	12372	16.5	11473	18.5	12094	15.3	0	8.12	.25	1	.141	1.22	.101	.927	5162	.16	2.00	1.44
5	1000	12094	18.3	12094	18.3	---	---	0	8.13	.25	0	.593	1.18	.007	1.000	314	1.000	.00	.00
4	5455	35370	17.5	35758	20.5	36192	20.5	0	7.97	.25	1	.157	1.29	.022	.991	2600	.25	1.00	.70
3	6415	36192	20.5	36009	21.3	37712	21.0	0	7.97	.25	1	.003	1.69	.007	.995	2129	.35	.75	.59
2	16026	37712	21.0	35456	23.8	37087	23.5	0	7.97	.25	1	.002	1.82	.065	.940	7899	.11	2.75	2.20
1	15000	37087	23.5	36916	24.3	46136	23.3	0	7.96	.25	1	.013	1.62	.009	.995	3424	.31	.75	.67

SUMMARY TABLE 3 - DISCHARGE (DFE) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 0
XSECTION 1	199.03	
ALTERNATE 0		46138.96
XSECTION 2	144.93	
ALTERNATE 0		37083.70
XSECTION 3	176.91	
ALTERNATE 0		37711.82
XSECTION 4	129.83	
ALTERNATE 0		36193.10
XSECTION 5	127.27	
ALTERNATE 0		36079.04
XSECTION 6	89.84	
ALTERNATE 0		20170.02
XSECTION 7	78.56	
ALTERNATE 0		21393.90
XSECTION 8	56.89	
ALTERNATE 0		13822.46
XSECTION 9	40.68	
ALTERNATE 0		9730.39
XSECTION 10	37.48	
ALTERNATE 0		9289.40
XSECTION 11	27.65	
ALTERNATE 0		5719.17
XSECTION 12	20.33	
ALTERNATE 0		8263.05
XSECTION 13	29.02	
ALTERNATE 0		12094.01
XSECTION 14	27.15	
ALTERNATE 0		12771.04

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 0
XSECTION 15	19.82	
ALTERNATE 0		9711.63
XSECTION 16	16.87	
ALTERNATE 0		7923.61
XSECTION 17	11.91	
ALTERNATE 0		6507.38
XSECTION 18	4.46	
ALTERNATE 0		700.07
XSECTION 19	20.47	
ALTERNATE 0		7370.35
XSECTION 20	17.12	
ALTERNATE 0		7009.48
XSECTION 21	9.66	
ALTERNATE 0		4759.82
XSECTION 22	6.49	
ALTERNATE 0		3456.72
XSECTION 23	9.50	
ALTERNATE 0		4668.47
XSECTION 24	8.44	
ALTERNATE 0		4292.06
XSECTION 25	7.51	
ALTERNATE 0		3641.58
XSECTION 26	5.65	
ALTERNATE 0		3222.02

RUN 7

TRM VEG 10-17-81 17:20 090 DREH RUN ULT DEV & DIVER.
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EXECUTIVE CONTROL OPERATION LIST

RECORD 10

LISTING OF CURRENT DATA

VEGETA NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
1	1,0000			
0		.00	.00	.00
0		4.05	940.00	751.00
0		6.72	4701.00	2571.00
0		8.05	9490.00	4516.00
0		11.87	28215.00	8177.00
0		17.08	37406.00	9800.00
0		14.11	47002.00	12145.00
* ENDTL				

VEGETA NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2	1,0000			
0		.00	.00	.00
0		4.12	712.00	751.00
0		7.05	3520.00	7127.00
0		8.72	7247.00	9021.00
0		12.87	21740.00	19551.00
0		14.08	35989.00	24884.00
0		12.31	36270.00	29275.00
* ENDTL				

VEGETA NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
3	1,0000			
0		.00	.00	.00
0		6.07	605.00	1055.00
0		8.05	2420.00	1701.00
0		11.72	6545.00	3812.00
0		16.05	12537.00	11447.00
0		17.31	17320.00	17046.00
0		15.84	34022.00	14992.00

R ENDTBL

XSECTION NO.		DRAINAGE AREA		
0	XSECTION 4	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		.50	.00	.00
0		7.39	649.00	656.00
0		11.56	1046.00	1049.00
0		13.92	1490.00	1506.00
0		15.36	1745.00	1759.00
0		20.51	2556.00	2576.00
0		21.92	3045.00	3049.00

R ENDTBL

XSECTION NO.		DRAINAGE AREA		
0	XSECTION 5	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		.00	.00	.00
0		9.75	606.00	607.00
0		14.25	1180.00	1181.00
0		17.06	1384.00	1385.00
0		20.20	1710.00	1710.00
0		22.75	2189.00	2189.00
0		26.47	3181.00	3182.00

R ENDTBL

XSECTION NO.		DRAINAGE AREA		
0	XSECTION 6	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		11.50	.00	.00
0		13.19	449.00	449.00
0		22.87	2248.00	1621.00
0		24.33	3490.00	2776.00
0		33.23	5945.00	5945.00
0		41.36	8758.00	10758.00
0		51.87	12461.00	17089.00

R ENDTBL

XSECTION NO.		DRAINAGE AREA		
0	XSECTION 7	1.0000		
		ELEVATION	DISCHARGE	END AREA

E	16.90	.00	.00
E	20.90	290.00	337.00
E	24.70	1452.00	958.00
E	27.50	2905.00	1758.00
E	33.40	5714.00	4674.00
E	35.10	11818.00	6304.00
E	36.50	14527.00	7358.00
E	END TEL		

XSECTN NO.		DRAINAGE AREA	
E	XSECTN 8	1.0000	
		ELEVATION	DISCHARGE
E		37.40	.00
E		75.05	237.00
E		59.76	1158.00
E		49.33	2370.00
E		42.47	7109.00
E		47.15	9478.00
E		70.72	11545.00
E	END TEL		

XSECTN NO.		DRAINAGE AREA	
E	XSECTN 9	1.0000	
		ELEVATION	DISCHARGE
E		38.40	.00
E		42.07	282.00
E		44.07	1117.00
E		45.44	2034.00
E		47.07	6102.00
E		45.65	8136.00
E		45.71	10170.00
E	END TEL		

XSECTN NO.		DRAINAGE AREA	
E	XSECTN 10	1.0000	
		ELEVATION	DISCHARGE
E		46.20	.00
E		50.09	187.00
E		51.90	837.00
E		52.97	1874.00
E		54.98	5622.00
E		55.61	7495.00
E		56.14	9370.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
#	XSECTN 11			
		ELEVATION	DISCHARGE	END AREA
#		51.50	.00	.00
#		55.70	178.00	84.00
#		61.27	491.00	398.00
#		61.88	1357.00	4912.00
#		63.92	4048.00	9915.00
#		64.10	8370.00	14671.00
#		64.27	6910.00	15453.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
#	XSECTN 10			
		ELEVATION	DISCHARGE	END AREA
#		59.01	.00	.00
#		60.15	162.00	68.00
#		68.44	588.00	231.00
#		71.84	1016.00	387.00
#		72.74	3043.00	4318.00
#		72.88	4348.00	5057.00
#		73.05	5083.00	6164.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
#	XSECTN 17			
		ELEVATION	DISCHARGE	END AREA
#		5.01	.00	.00
#		7.58	145.00	184.00
#		12.04	726.00	1001.00
#		14.60	1451.00	2072.00
#		21.22	4753.00	4879.00
#		21.78	8504.00	6177.00
#		22.57	7255.00	7405.00

ENDTBL

XSECTN NO.		DRAINAGE AREA		
#	XSECTN 14			
		ELEVATION	DISCHARGE	END AREA

E	11.00	.00	.00
E	12.37	138.00	19.00
E	13.90	675.00	77.00
E	15.32	1359.00	133.00
E	21.11	4070.00	459.00
E	22.75	8430.00	1184.00
E	24.00	8788.00	2087.00
E	ENDTEL		

	XSECTN NO.	DRAINAGE AREA		
2	XSECTN 15	1,0000		
		ELEVATION	DISCHARGE	END AREA
E		19.40	.00	.00
E		20.54	99.00	119.00
E		22.12	495.00	309.00
E		23.52	991.00	459.00
E		27.40	3970.00	1859.00
E		28.42	7564.00	3307.00
E		29.34	4955.00	1603.00
E	ENDTEL			

	XSECTN NO.	DRAINAGE AREA		
7	XSECTN 16	1,0000		
		ELEVATION	DISCHARGE	END AREA
E		19.90	.00	.00
E		20.77	54.00	92.00
E		21.66	402.00	307.00
E		24.17	844.00	500.00
E		25.01	3531.00	1075.00
E		26.16	3574.00	1712.00
E		26.82	4212.00	2001.00
E	ENDTEL			

	XSECTN NO.	DRAINAGE AREA		
8	XSECTN 17	1,0000		
		ELEVATION	DISCHARGE	END AREA
E		19.00	.00	.00
E		20.16	60.00	37.00
E		22.52	298.00	191.00
E		24.20	596.00	370.00
E		25.11	1787.00	1240.00
E		26.22	3780.00	2742.00
E		26.82	3978.00	2742.00

3 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 18	1.0000		
	ELEVATION	DISCHARGE	END AREA	
0	31.50	0.00	0.00	
5	31.72	2.00	1.00	
10	32.89	12.00	14.00	
15	34.52	23.00	46.00	
20	35.22	37.00	80.00	
25	35.39	52.00	110.00	
30	36.90	115.00	111.00	

4 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 19	1.0000		
	ELEVATION	DISCHARGE	END AREA	
0	25.00	0.00	0.00	
5	26.09	100.00	24.00	
10	27.10	512.00	55.00	
15	27.76	1024.00	150.00	
20	30.11	3072.00	525.00	
25	31.72	4096.00	1433.00	
30	32.75	5120.00	2615.00	

5 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 20	1.0000		
	ELEVATION	DISCHARGE	END AREA	
0	37.50	0.00	0.00	
5	38.55	55.00	251.00	
10	39.42	425.00	740.00	
15	39.91	355.00	1150.00	
20	41.09	2565.00	2553.00	
25	41.57	3454.00	3558.00	
30	42.04	4280.00	3441.00	

6 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 21	1.0000		
	ELEVATION	DISCHARGE	END AREA	

B	45.10	.00	.00
B	46.60	48.00	91.00
B	45.94	240.00	492.00
B	45.86	488.00	689.00
B	47.61	1432.00	1409.00
B	47.99	1738.00	1749.00
B	48.75	2420.00	2110.00
* ENDTBL			

	VEGETN NO.	DRAINAGE AREA			
2	VEGETN 02	11000			
		ELEVATION	DISCHARGE	END AREA	
B		50.00	.00	.00	
B		50.70	32.00	66.00	
B		50.24	152.00	97.00	
B		51.05	318.00	148.00	
B		51.65	574.00	324.00	
B		51.94	1299.00	508.00	
B		52.16	1620.00	627.00	
* ENDTBL					

	VEGETN NO.	DRAINAGE AREA			
2	VEGETN 07	11000			
		ELEVATION	DISCHARGE	END AREA	
B		32.00	.00	.00	
B		33.94	48.00	32.00	
B		35.51	338.00	131.00	
B		37.07	478.00	267.00	
B		38.75	1425.00	690.00	
B		34.81	1900.00	1115.00	
B		38.51	2085.00	1212.00	
* ENDTBL					

	VEGETN NO.	DRAINAGE AREA			
2	VEGETN 04	11000			
		ELEVATION	DISCHARGE	END AREA	
B		36.00	.00	.00	
B		38.14	40.00	40.00	
B		38.75	200.00	150.00	
B		38.71	408.00	334.00	
B		38.10	1268.00	471.00	
B		36.07	1898.00	601.00	
B		37.48	2110.00	737.00	

TABLE NO.	TIME INCREMENT				
B RAINFL 1	.025X				
B	.0000	.0025	.0051	.0076	.0100
:	.0125	.0150	.0175	.0200	.0225
:	.0250	.0275	.0300	.0325	.0350
:	.0400	.0425	.0450	.0475	.0500
:	.0575	.0600	.0625	.0650	.0675
B	.0750	.0800	.0850	.0890	.0940
:	.1000	.1075	.1150	.1225	.1300
:	.1390	.1450	.1500	.1575	.1650
:	.1800	.1900	.2000	.2100	.2200
B	.2710	.2950	.3190	.3430	.3670
:	.7020	.7290	.7560	.7830	.8100
:	.7990	.8110	.8230	.8340	.8460
:	.8500	.8620	.8740	.8860	.8980
B	.9000	.9000	.9000	.9100	.9100
:	.9200	.9250	.9300	.9350	.9400
B	.9400	.9440	.9470	.9510	.9540
:	.9570	.9600	.9630	.9660	.9690
B	.9720	.9750	.9780	.9810	.9830
:	.9860	.9880	.9910	.9930	.9960
B	.9990	1.0000	1.0000	1.0000	1.0000

B ENDTBL

TABLE NO.	TIME INCREMENT				
B RAINFL 2	1.0000				
B	.0000	.2000	.4000	.6000	.8000
:	1.0000	1.4000	1.8000	2.2000	2.6000
:	3.0000	3.2000	3.4000	3.6000	3.8000
:	4.0000	4.2000	4.4000	4.6000	4.8000
:	5.0000	5.2000	5.4000	5.6000	5.8000
:	7.0000	7.3000	7.6000	7.9000	8.2000
:	8.2000	8.7500	9.3000	9.8500	10.4000
B	6.7500	10.1500	12.5500	14.9500	17.3500
B	13.7500	13.2700	12.7900	12.3100	11.8300

B ENDTBL

TABLE NO.	TIME INCREMENT				
B RAINFL 3	1.0000				
B	.0000	.2500	.5000	.7500	1.0000
:	1.2500	1.5000	1.7500	2.0000	2.2500
:	2.5000	2.7500	3.0000	3.2500	3.5000

0	0.4000	0.4700	4.1000	0.4800	0.7500
1	0.5000	0.5700	7.1000	0.5700	0.2000
2	0.6000	0.6000	0.0000	0.0000	0.0000

TABLE NO. 10
 TIME INCREMENT
 0.5000

0	0.0000	0.0040	0.0150	0.0120	0.0160
1	0.0000	0.0050	0.0300	0.0350	0.0400
2	0.0450	0.0500	0.0550	0.0600	0.0650
3	0.0700	0.0750	0.0810	0.0870	0.0930
4	0.0950	0.1000	0.1110	0.1160	0.1250
5	0.1200	0.1400	0.1480	0.1550	0.1650
6	0.1740	0.1940	0.1950	0.2070	0.2200
7	0.2360	0.2550	0.2770	0.3030	0.3090
8	0.3150	0.3490	0.3570	0.3830	0.3940
9	0.4100	0.4550	0.4570	0.4830	0.4940
10	0.5050	0.5600	0.5570	0.5830	0.5940
11	0.6000	0.6700	0.6760	0.7040	0.7200
12	0.7000	0.8000	0.8140	0.8300	0.8500
13	0.8000	0.9440	0.9510	0.9750	0.9940
14	0.9000	0.9780	0.9820	0.9880	0.9940
15	0.9000	0.9080	0.9110	0.9150	0.9210
16	0.9260	0.9310	0.9350	0.9410	0.9460
17	0.9510	0.9560	0.9610	0.9660	0.9710
18	0.9760	0.9800	0.9840	0.9890	0.9920
19	0.9980	1.0000	1.0010	1.0000	1.0000

TABLE NO. 10
 TIME INCREMENT
 0.5000

0	0.0000	0.0020	0.0150	0.0080	0.0110
1	0.0140	0.0170	0.0300	0.0230	0.0260
2	0.0300	0.0330	0.0350	0.0350	0.0410
3	0.0440	0.0470	0.0510	0.0550	0.0590
4	0.0570	0.0670	0.0710	0.0750	0.0790
5	0.0640	0.0850	0.0840	0.0890	0.0940
6	0.0890	0.1040	0.1000	0.1050	0.1080
7	0.1140	0.1470	0.1340	0.1320	0.1310
8	0.1510	0.1920	0.2040	0.2070	0.2330
9	0.2000	0.2770	0.3150	0.3080	0.3380
10	0.2500	0.3520	0.3780	0.3830	0.3980
11	0.3000	0.4150	0.4390	0.4380	0.4680
12	0.3540	0.4600	0.4880	0.4740	0.5000
13	0.3980	0.4980	0.5270	0.5100	0.5370

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080 CREEK RUN CUT GEN W DIVER

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E	.8101	.8170	.8211	.8280	.8390
E	.8300	.8370	.8410	.8480	.8590
E	.8501	.8570	.8600	.8670	.8780
E	.8790	.8820	.8851	.8920	.9030
E	.9040	.9070	.9100	.9170	.9280
E	.9290	1.0000	1.0000	1.0000	1.0000

E ENDDEL

TABLE NO. TIME INCREMENT
E PAIRL 1 .0000

E	.0001	.0020	.0160	.0240	.0330
E	.0420	.0570	.0670	.0740	.0850
E	.0990	.1120	.1260	.1400	.1530
E	.1600	.1750	.1880	.2050	.2170
E	.2300	.2430	.2580	.2700	.2840
E	.2980	.3120	.3280	.3400	.3550
E	.3680	.3820	.3980	.4100	.4250
E	.4380	.4520	.4680	.4800	.4950
E	.5080	.5220	.5380	.5500	.5650
E	.5780	.5920	.6080	.6200	.6350
E	.6480	.6620	.6780	.6900	.7050
E	.7180	.7320	.7480	.7600	.7750
E	.7880	.8020	.8180	.8300	.8450
E	.8580	.8720	.8880	.9000	.9150
E	1.0000	1.0000	1.0000	1.0000	1.0000

E ENDDEL

STANDARD CONTROL INSTRUCTIONS

6	RUNOFF	11	5	7,3200	75,0000	3,37001	0	0	0	0	1
6	REACH	3	10	6950,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	10	5,8000	75,0000	2,50001	0	0	0	0	1
6	ADDHYD	4	10	5,67		1	0	0	0	0	1
6	REACH	3	9	9600,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	9	3,2000	75,0000	2,20001	0	0	0	0	1
6	ADDHYD	4	9	6,57		1	0	0	0	0	1
6	REACH	3	8	19200,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	8	6,7000	75,0000	4,37001	0	0	0	0	1
6	ADDHYD	4	8	7,56		1	0	0	0	0	1
6	SAVMOV	5	8								
6	RUNOFF	1	26	3,6500	75,0000	4,03001	0	0	0	0	1
6	REACH	3	25	4700,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	25	1,8500	75,0000	0,25001	0	0	0	0	1
6	ADDHYD	4	25	6,57		1	0	0	0	0	1
6	REACH	3	24	4200,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	24	,9500	75,0000	1,40001	0	0	0	0	1
6	ADDHYD	4	24	6,57		1	0	0	0	0	1
6	REACH	3	23	5400,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	23	1,0500	75,0000	1,40001	0	0	0	0	1
6	ADDHYD	4	23	6,57		1	0	0	0	0	1
6	SAVMOV	5	23								
6	ADDHYD	4	3	4,15		1	0	0	0	0	1
6	REACH	3	7	5100,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	7	1,0700	75,0000	1,07001	0	0	0	0	1
6	ADDHYD	4	7	7,65		1	0	0	0	0	1
6	SAVMOV	5	7								
6	RUNOFF	1	22	6,2500	75,0000	0,25001	0	0	0	0	1
6	REACH	3	21	5350,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	21	1,0500	75,0000	0,25001	0	0	0	0	1
6	ADDHYD	4	21	6,57		1	0	0	0	0	1
6	REACH	3	20	17050,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	20	7,4400	75,0000	2,55001	0	0	0	0	1
6	ADDHYD	4	20	6,57		1	0	0	0	0	1
6	REACH	3	19	11250,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	19	1,0500	75,0000	0,45001	0	0	0	0	1
6	ADDHYD	4	19	7,65		1	0	0	0	0	1
6	SAVMOV	5	19								
6	ADDHYD	4	7	1,17		1	0	0	0	0	1
6	REACH	3	6	14050,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	6	1,0500	75,0000	2,05001	0	0	0	0	1
6	ADDHYD	4	6	6,57		1	0	0	0	0	1
6	REACH	3	5	11250,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	5	5,4000	75,0000	0,25001	0	0	0	0	1
6	ADDHYD	4	5	6,57		1	0	0	0	0	1

6	BOUND	5	7	1						
6	BOUND	1	13	7	1,460	20,000	18,000	0	0	0
6	REACH	3	17	7	3014,000	1,000	1,000	0	0	0
6	BOUND	1	17	7	11,450	80,000	3,810	0	0	0
6	ADDV	4	17	7	6			1	0	0
6	REACH	3	16	5	900,000	1,000	1,000	0	0	0
6	BOUND	1	16	6	4,850	75,000	2,710	0	0	0
6	ADDV	4	16	6	7			1	0	0
6	REACH	3	15	5	450,000	1,000	1,000	0	0	0
6	BOUND	1	15	6	2,850	80,000	1,850	0	0	0
6	ADDV	4	15	6				1	0	0
6	REACH	3	14	5	497,000	1,000	1,000	0	0	0
6	BOUND	1	14	6	7,500	80,000	1,810	0	0	0
6	ADDV	4	14	6	7			1	0	0
6	REACH	3	13	5	676,000	1,000	1,000	0	0	0
6	BOUND	1	13	6	1,570	80,000	1,200	0	0	0
6	ADDV	4	13	6	7			1	0	0
6	BOUND	1	13	6						
6	REACH	3	8	7	100,000	1,000	1,000	0	0	0
6	ADDV	4	8	7	6			1	0	0
6	REACH	3	4	5	995,000	1,000	1,000	0	0	0
6	BOUND	1	4	7	2,560	75,000	1,770	0	0	0
6	ADDV	4	4	7	5			1	0	0
6	REACH	3	7	5	84,5,000	1,000	1,000	0	0	0
6	BOUND	1	7	7	7,080	75,000	3,540	0	0	0
6	ADDV	4	7	5	6			1	0	0
6	REACH	3	6	5	1505,000	1,000	1,000	0	0	0
6	BOUND	1	6	7	8,000	75,000	4,750	0	0	0
6	ADDV	4	6	5	7			1	0	0
6	REACH	3	5	5	1500,000	1,000	1,000	0	0	0
6	BOUND	1	5	7	47,000	75,000	6,500	0	0	0
6	ADDV	4	5	5	6			1	0	0

END OF LISTING

TRSD XEB 10-17-51 17120 000 CREEK RUN INT. RES. W. DIVER.
REV. FC 09/55/1.2

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EXECUTIVE CONTROL OPERATION INDEX MAIN TIME INCREMENT = 1.00 HOURS RECORD 00

EXECUTIVE CONTROL OPERATION COMPUT FROM SECTION 11 TO SECTION 11 RECORD 00
START TIME = 1.00 RAIN DEPTH = 0.160 RAIN DURATION = 1.00 RAIN TABLE NO. = 1 ANT. MOIST. COND. = 1
ALTERNATE NO. = 0 STORM NO. = 0 MAIN TIME INCREMENT = 1.00 HOURS

OPERATION RUNOFF CROSS SECTION 11

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
14.38	4456.77	(RUNOFF)

OPERATION REACH CROSS SECTION 10

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
15.38	3889.90	57.89

OPERATION RUNOFF CROSS SECTION 10

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
14.16	5370.20	(RUNOFF)

OPERATION REACH CROSS SECTION 10

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
14.88	5100.87	56.07

OPERATION REACH CROSS SECTION 9

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
16.80	3022.12	48.61

OPERATION RUNOFF CROSS SECTION 9

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
17.88	2458.41	(RUNOFF)

OPERATION REACH CROSS SECTION 9

TR20 NEG 10-17-F 7:00 090 GREEN RUN ULT DE. #011EP
RE. FC 19750.1'

JOB 1 PAGE 1
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PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
18.73 8474.05 49.45

OPERATION RUNOFF CROSS SECTION 0

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
19.74 7817.07 42.55

OPERATION RUNOFF CROSS SECTION 0

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
18.30 8217.03 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 0

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
18.74 8473.07 45.71

OPERATION RUNOFF CROSS SECTION 00

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
18.74 8200.02 (RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX. FLOW IN XSECTION TABLE 00 BY 840.0 CFS

OPERATION REACH CROSS SECTION 00

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
18.55 8794.04 40.85

OPERATION RUNOFF CROSS SECTION 00

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
18.75 8399.35 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 00

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
18.74 8841.56 40.74

*** WARNING - INFLOW EXCEEDED MAX. FLOW IN XSECTION TABLE 00 BY 1707.0 CFS

TR20 REC 10-07-91 17:20
REV PC JF/BS/LE

050 CREEK ROK ULT DE: W DIVER,

JOB : PAGE 1
PAGE 16

OPERATION REACH CROSS SECTION 24

PEAK TIME (HR)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
15.66	3814.70	40.15

OPERATION RUNOFF CROSS SECTION 24

PEAK TIME (HR)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
13.04	3016.47	RUNOFF

OPERATION ADDHYD CROSS SECTION 24

PEAK TIME (HR)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
15.41	4090.86	40.45

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 20 BY 1915. CFS

OPERATION REACH CROSS SECTION 20

PEAK TIME (HR)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
15.18	4247.07	41.30

OPERATION RUNOFF CROSS SECTION 20

PEAK TIME (HR)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
15.74	3177.11	RUNOFF

OPERATION ADDHYD CROSS SECTION 20

PEAK TIME (HR)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
15.99	4688.47	42.70

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME (HR)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
10.37	40587.80	98.37

OPERATION SLLOFF CROSS SECTION 7

FROM VSD 10-17-91 17:21
REV PD DRAFTING

DBB CROSS RUN OUT DEN W DIVER.

JOB 1 PAGE
PAGE 17

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
12.97 1074.80 (RUNOFF)

OPERATION ADD-40 CROSS SECTION 07

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
18.04 1270.81 36.12

OPERATION RUNOFF CROSS SECTION 02

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
14.86 2488.72 (RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX FLOW IN SECTN TABLE 02 BY 1000 CFS

OPERATION REACH CROSS SECTION 01

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
16.08 2134.64 48.88

OPERATION RUNOFF CROSS SECTION 04

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
14.76 1970.68 (RUNOFF)

OPERATION ADD-40 CROSS SECTION 01

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
15.87 4789.60 50.07

*** WARNING - INFLOW EXCEEDED MAX FLOW IN SECTN TABLE 01 BY 4789 CFS

OPERATION REACH CROSS SECTION 03

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
17.59 4038.39 41.91

OPERATION RUNOFF CROSS SECTION 01

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
17.88 5014.10 (RUNOFF)

TRF00 YES 10-17-91 17:20
REV PD 09/83/121

DAD DREIF FOR VLT BEN W DIVER,

JOB 1 PAGE 1
PAGE 13

OPERATION ARCHVD CROSS SECTION 10

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
15.10 7208.42 47.65

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTION TABLE 19 BY 2088.6 CFS

OPERATION REACH CROSS SECTION 19

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
15.67 6292.04 34.02

OPERATION RUNOFF CROSS SECTION 19

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
15.75 1517.06 (RUNOFF)

OPERATION ARCHVD CROSS SECTION 19

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
17.95 7370.35 16.14

OPERATION ARCHVD CROSS SECTION 7

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
18.17 21095.93 39.67

OPERATION REACH CROSS SECTION 8

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
20.87 19575.19 32.02

OPERATION RUNOFF CROSS SECTION 8

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
18.24 4527.75 (RUNOFF)

OPERATION ARCHVD CROSS SECTION 8

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
13.03 12871.84 32.73

OPERATION REACH CROSS SECTION 5

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
13.15 12872.81 34.20

OPERATION RUNOFF CROSS SECTION 5

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
14.41 5037.84 (RUNOFF)

OPERATION ADD-ON CROSS SECTION 5

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
20.75 34213.45 34.79

OPERATION RUNOFF CROSS SECTION 15

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
12.71 700.07 (RUNOFF)
13.15 77.64 (RUNOFF)

*** WARNING: REACH 17 (170+16) DISCHARGE GREATER THAN 0.667. CONSIDER REDUCING PEAK TIME DIFFERENCE. ***

OPERATION REACH CROSS SECTION 17

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
13.15 677.07 34.33

OPERATION RUNOFF CROSS SECTION 17

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
14.33 4188.97 (RUNOFF)

OPERATION ADD-ON CROSS SECTION 17

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
14.75 6517.35 34.75

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 14 BY 009.4 CFS

OPERATION BEACH CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.81	5519.87	31.43

OPERATION RUNOFF CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.00	3413.40	RUNOFF

OPERATION ADDYAC CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.85	3920.61	34.01

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 15 BY 1967.9 CFS

OPERATION BEACH CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.81	7565.03	31.67

OPERATION RUNOFF CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.00	1947.04	RUNOFF

OPERATION ADDYAC CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.85	5011.60	33.10

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 14 BY 3220.9 CFS

OPERATION BEACH CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.01	5177.04	32.49

TRSD XEG 10-17-91 17:28 DBC CREEK FOM ILL. DEV. W. DIVER.
REV. RC 09/80/1,21

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PAGE 01

OPERATION RUNOFF CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.84	4032.70	(RUNOFF)

OPERATION ADD-YD CROSS SECTION 14

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.82	12072.04	29.08

*** WARNING - INFLOW EXCEEDED MAX. FLOW IN YSECTN TABLE 13 BY 8116.9 CFS

OPERATION REACH CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
18.41	11974.82	26.43

OPERATION RUNOFF CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.59	3881.81	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.27	12094.21	26.94

*** WARNING REACH 10 ATTACH COEFF. IS GREATER THAN 0.667, CONSIDER REDUCING PEAK TIME INCREMENT ***

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.27	12094.21	19.82

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
19.86	38875.30	37.00

*** WARNING - INFLOW EXCEEDED MAX. FLOW IN YSECTN TABLE 4 BY 2416.0 CFS

OPERATION REACH CROSS SECTION 4

PEAK TIME (HRS) 20.51
PEAK DISCHARGE (CFS) 35845.74
PEAK ELEVATION (FEET) 20.45

OPERATION RUNOFF CROSS SECTION 4

PEAK TIME (HRS) 19.25
PEAK DISCHARGE (CFS) 24475.11
PEAK ELEVATION (FEET) (RUNOFF)

OPERATION ADDHYD CROSS SECTION 4

PEAK TIME (HRS) 20.40
PEAK DISCHARGE (CFS) 35925.90
PEAK ELEVATION (FEET) 20.50

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 3 BY 1755.8 CFS

OPERATION REACH CROSS SECTION 3

PEAK TIME (HRS) 20.16
PEAK DISCHARGE (CFS) 35795.25
PEAK ELEVATION (FEET) 19.95

OPERATION RUNOFF CROSS SECTION 3

PEAK TIME (HRS) 14.64
PEAK DISCHARGE (CFS) 3720.74
PEAK ELEVATION (FEET) (RUNOFF)

OPERATION ADDHYD CROSS SECTION 3

PEAK TIME (HRS) 20.95
PEAK DISCHARGE (CFS) 37515.70
PEAK ELEVATION (FEET) 19.17

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 2 BY 1081.6 CFS

OPERATION REACH CROSS SECTION 2

PEAK TIME (HRS) 20.35
PEAK DISCHARGE (CFS) 35190.00
PEAK ELEVATION (FEET) 18.34

OPERATION RUNOFF CROSS SECTION 2

TRD: WBS 10-17-91 17:26
PEV: PD 05/19/91

080 CREEK RUN OUT BEY W COVER

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PEAK TIME (HRS) 15.85
PEAK DISCHARGE (CFB) 3557.05
PEAK ELEVATION (FEET) (RUNOFF)

OPERATION 000-02 CROSS SECTION 2

PEAK TIME (HRS) 27.72
PEAK DISCHARGE (CFB) 36345.55
PEAK ELEVATION (FEET) 15.51

OPERATION 000-03 CROSS SECTION 1

PEAK TIME (HRS) 24.12
PEAK DISCHARGE (CFB) 36660.55
PEAK ELEVATION (FEET) 10.92

OPERATION 000-04 CROSS SECTION 1

PEAK TIME (HRS) 15.54
PEAK DISCHARGE (CFB) 11957.15
PEAK ELEVATION (FEET) (RUNOFF)

OPERATION 000-05 CROSS SECTION 1

PEAK TIME (HRS) 27.25
PEAK DISCHARGE (CFB) 45954.60
PEAK ELEVATION (FEET) 17.99

EXECUTIVE CONTROL OPERATION ENDDMP COMPUTATIONS COMPLETED FOR PAGE 1 RECORD 00

EXECUTIVE CONTROL OPERATION ENDD05 RECORD 00

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR (*) AFTER THE PEAK DISCHARGE TIME AND RATE (LIFE) VALUES INDICATES A FLAT TOP HYDROGRAPH-
A QUESTION MARK (?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	FILL TABLE #	AWKED MOIST COND	YIELD TIME HRS	PRECIPITATION				PEAK DISCHARGE			
						FEET (HR)	INCH (24)	DURATION (HR)	RUNOFF AMOUNT (IN)	ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CB)
	ALTERNATE	A	B	C									
SECTION 11	RUNOFF	7.02	1	1	.05	.0	10.50	24.00	7.95	---	14.75	4455.77	491.5
SECTION 10	REACH	7.02	1	1	.05	.0	10.50	24.00	7.95	57.55	15.05	7559.50	490.4
SECTION 10	RUNOFF	8.87	1	0	.05	.0	10.50	24.00	7.95	---	14.15	5957.20	550.5
SECTION 01	ADD-VC	17.05	1	1	.05	.0	10.50	24.00	7.95	55.07	14.55	9110.57	571.4
SECTION 8	REACH	17.05	1	0	.05	.0	10.50	24.00	7.95	45.51	15.50	5900.15	457.5
SECTION 8	RUNOFF	7.02	1	1	.05	.0	10.50	24.00	7.97	---	15.65	3445.41	351.1
SECTION 8	ADD-VC	20.05	1	1	.05	.0	10.50	24.00	7.95	45.05	15.75	5474.05	445.5
SECTION 8	REACH	20.05	1	1	.05	.0	10.50	24.00	7.95	41.55	15.74	7510.24	551.1
SECTION 8	RUNOFF	6.01	1	1	.05	.0	10.50	24.00	7.95	---	15.02	3210.15	375.5
SECTION 8	ADD-VC	27.05	1	1	.05	.0	10.50	24.00	7.95	45.71	15.51	5675.55	557.5
SECTION 05	RUNOFF	5.55	1	1	.05	.0	10.50	24.00	7.87	---	15.05	2501.10	351.5
SECTION 05	REACH	5.55	1	1	.05	.0	10.50	24.00	7.87	41.55	15.55	3754.04	451.5
SECTION 05	RUNOFF	1.55	1	0	.05	.0	10.50	24.00	7.87	---	15.72	1355.15	251.5
SECTION 05	ADD-VC	7.57	1	0	.05	.0	10.50	24.00	7.87	47.75	15.15	3511.55	311.5
SECTION 04	REACH	7.57	1	0	.05	.0	10.50	24.00	7.87	40.10	15.55	3514.00	355.1
SECTION 04	RUNOFF	.97	1	1	.05	.0	10.50	24.00	7.84	---	17.04	1015.47	1051.1
SECTION 04	ADD-VC	8.44	1	1	.05	.0	10.50	24.00	7.83	47.40	15.41	4950.15	315.5
SECTION 01	REACH	8.44	1	1	.05	.0	10.50	24.00	7.87	41.50	15.15	4110.17	455.1
SECTION 03	RUNOFF	10.15	1	0	.05	.0	10.50	24.00	7.87	---	15.04	3170.10	310.7
SECTION 00	ADD-VC	9.50	1	1	.05	.0	10.50	24.00	7.85	42.77	15.55	4555.47	457.5
SECTION 8	ADD-VC	75.54	1	1	.05	.0	10.50	24.00	7.95	55.07	15.55	10557.11	771.7
SECTION 7	REACH	75.54	1	1	.05	.0	10.50	24.00	7.95	55.50	15.15	10477.51	757.5
SECTION 7	RUNOFF	10.20	1	1	.05	.0	10.50	24.00	7.84	---	15.57	1374.50	1045.7
SECTION 7	ADD-VC	27.75	1	1	.05	.0	10.50	24.00	7.95	75.10	15.14	10715.51	757.5
SECTION 01	RUNOFF	5.45	1	0	.05	.0	10.50	24.00	7.87	---	14.55	3455.00	500.5
SECTION 01	REACH	5.45	1	0	.05	.0	10.50	24.00	7.87	45.55	15.15	3174.54	457.1
SECTION 01	RUNOFF	3.15	1	1	.05	.0	10.50	24.00	7.95	---	14.71	1575.55	515.4
SECTION 01	ADD-VC	5.55	1	0	.05	.0	10.50	24.00	7.95	50.55	15.50	4755.55	451.5
SECTION 01	REACH	5.55	1	0	.05	.0	10.50	24.00	7.95	41.51	15.55	4055.05	455.5
SECTION 01	RUNOFF	7.44	1	1	.05	.0	10.50	24.00	7.95	---	17.55	5704.11	710.5
SECTION 01	ADD-VC	17.10	1	0	.05	.0	10.50	24.00	7.95	47.55	15.10	7015.45	501.1
SECTION 05	REACH	17.10	1	1	.05	.0	10.50	24.00	7.95	54.00	15.57	5050.44	557.5

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS 1. THE DRAIN PERFORMED
"1 START" AFTER THE PEAK DISCHARGE TIME AND RATE (QPE) VALUES INDICATED A FLOUT TOP HYDROGRAPH.
A QUESTION MARK (?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.

SECTION STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ. MI.)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME HRS	PRECIPITATION			RUNOFF %POINT (%)	PEAK DISCHARGE			
						DEPTH (IN)	AMOUNT (IN)	DURATION (HR)		ELEVATION FT	TIME (HR)	RATE (CFS)	RATE (MGD)
	ALTERNATE	Q	ERROR										
SECTION 18	RUNOFF	5.05	1	2	.25	.0	10.50	24.00	7.97	---	13.75	2507.06	745.4
SECTION 19	ADD-VE	20.47	1	2	.25	.0	10.50	24.00	7.95	25.14	17.95	7070.75	260.1
SECTION 7	ADD-VE	35.00	1	2	.25	.0	10.50	24.00	7.94	25.57	15.00	21159.54	362.4
SECTION 8	REACH-	55.00	1	2	.25	.0	10.50	24.00	7.94	20.00	20.57	15075.19	332.2
SECTION 6	RUNOFF	12.00	1	2	.25	.0	10.50	24.00	7.94	---	15.24	4507.75	401.4
SECTION 5	ADD-VE	45.51	1	2	.25	.0	10.50	24.00	7.94	20.75	20.07	2385.54	205.4
SECTION 5	REACH-	45.51	1	2	.25	.0	10.50	24.00	7.94	24.00	21.15	20570.51	224.7
SECTION 5	RUNOFF	5.41	1	2	.25	.0	10.50	24.00	7.97	---	14.41	5770.34	395.0
SECTION 5	ADD-VE	22.50	1	2	.25	.0	10.50	24.00	7.95	24.75	20.75	24513.45	215.8
SECTION 18	RUNOFF	7.46	1	2	.25	.0	10.50	24.00	8.05	---	12.71	700.07	1523.4
SECTION 17	REACH	7.46	1	1	.25	.0	10.50	24.00	8.05	24.00	12.15	577.00	472.0
SECTION 17	RUNOFF	11.45	1	2	.25	.0	10.50	24.00	8.00	---	14.55	2155.45	341.5
SECTION 17	ADD-VE	11.91	1	2	.25	.0	10.50	24.00	8.10	25.75	14.75	2507.05	345.4
SECTION 16	REACH-	11.91	1	1	.25	.0	10.50	24.00	8.10	21.45	15.57	5519.07	457.4
SECTION 16	RUNOFF	4.55	1	2	.25	.0	10.50	24.00	7.95	---	14.07	2410.40	1532.0
SECTION 15	ADD-VE	15.87	1	1	.25	.0	10.50	24.00	8.05	24.00	15.55	7500.51	455.7
SECTION 15	REACH	15.87	1	2	.25	.0	10.50	24.00	8.05	21.57	15.57	7555.19	455.4
SECTION 15	RUNOFF	2.95	1	2	.25	.0	10.50	24.00	8.00	---	14.00	1457.11	251.0
SECTION 13	ADD-VE	15.50	1	2	.25	.0	10.50	24.00	8.05	20.10	15.15	6511.55	459.5
SECTION 14	REACH-	15.50	1	2	.25	.0	10.50	24.00	8.05	25.15	17.00	8775.01	459.1
SECTION 14	RUNOFF	7.00	1	2	.25	.0	10.50	24.00	8.07	---	14.54	4000.00	351.0
SECTION 14	ADD-VE	17.15	1	2	.25	.0	10.50	24.00	8.07	25.25	15.55	10775.04	455.7
SECTION 10	REACH	27.15	1	2	.25	.0	10.50	24.00	8.10	15.47	15.47	11775.50	400.5
SECTION 10	RUNOFF	1.67	1	2	.25	.0	10.50	24.00	8.00	---	10.55	1551.51	509.7
SECTION 10	ADD-VE	29.00	1	2	.25	.0	10.50	24.00	8.07	24.54	15.07	12775.01	415.5
SECTION 8	REACH-	35.00	1	2	.25	.0	10.50	24.00	8.07	15.50	15.07	10754.01	415.5
SECTION 8	ADD-VE	100.54	1	2	.25	.0	10.50	24.00	8.07	27.00	15.55	35575.00	375.0
SECTION 4	REACH-	105.54	1	2	.25	.0	10.50	24.00	8.07	20.45	11.50	35545.04	370.4
SECTION 4	RUNOFF	2.54	1	2	.25	.0	10.50	24.00	7.95	---	17.04	2445.01	355.7
SECTION 4	ADD-VE	105.51	1	2	.25	.0	10.50	24.00	8.00	21.50	11.41	35555.50	355.7
SECTION 7	REACH	114.51	1	2	.25	.0	10.50	24.00	8.10	15.55	15.15	35555.05	355.4
SECTION 7	RUNOFF	7.05	1	1	.25	.0	10.50	24.00	7.95	---	14.54	2551.01	340.0
SECTION 7	ADD-VE	105.55	1	2	.25	.0	10.50	24.00	7.95	25.00	11.55	35575.01	351.5
SECTION 1	REACH-	115.55	1	2	.25	.0	10.50	24.00	7.95	15.04	11.55	35555.00	351.4
SECTION 1	RUNOFF	5.00	1	2	.25	.0	10.50	24.00	7.94	---	15.15	2551.05	340.4
SECTION 1	ADD-VE	115.51	1	2	.25	.0	10.50	24.00	7.95	25.00	11.55	35555.00	351.4

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (QFB) VALUES INDICATES A FLAT TOP HYDROGRAPH
(?) QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ FT)	RAIN TABLE #	AFTER W/OW COND	PAUSE TIME (HR)	PRECIPITATION			SLLOFF AMOUNT (IN)	PEAK DISCHARGE				
						SESSION (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (QFB)	RATE (CBM)	
	ALTERNATE	0	STORM	0										
SECTION	1	REACH	104,80	1	0	0.25	10	10.60	24.00	7.98	12.95	24.18	36680.84	394.0
SECTION	1	RUNOFF	40,10	1	2	0.25	10	10.60	24.00	7.98	---	16.74	11887.15	375.8
SECTION	1	ADSHYD	167,70	1	2	0.25	10	10.60	24.00	7.98	12.99	23.24	45954.60	374.0

SUMMARY TABLE 3 - SELECTED MODIFIED ATT-VOL. REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
 * STARTING AFTER VOLUME ABOVE BASE (IN) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF REACH
 A QUESTION MARK (?) AFTER COEFF. (C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS

REACH NO.	REACH LENGTH	HYDROGRAPH INFORMATION						ROUTINE PARAMETERS										REACH TRAVEL TIME	
		INFLOW		OUTFLOW		INTERMEDIATE		BASE FLOW	VOLUME ABOVE BASE	MARK IND.	OPERATION #	EQUATION	LENGTH	PARTIAL COEFF.	S/S	ATT. COEFF.	TRAVEL TIME	TRAVEL TIME	
		REACH	TIME	REACH	TIME	REACH	TIME												COEFF. (C)
ALTERNATE																			
10	8950	4247	14.7	3591	16.7	9107	14.6	0	7.96	105	1	1.80	1.00	1.070	1.007	3827	1.1	2.00	1.27
9	8626	8107	14.9	8021	16.8	8470	16.3	0	7.96	105	1	1.025	1.40	1.07	1.031	5110	1.16	2.00	1.45
8	10351	9470	16.7	7597	17.8	7676	17.1	0	7.96	105	3	1.35	1.00	1.033	1.034	11421	1.16	2.00	1.15
25	4710	2524	16.1	2750	16.5	2840	16.3	0	7.80	105	1	1.072	1.00	1.017	1.000	1234	1.24	1.50	1.24
24	400	7641	16.7	7807	16.8	8090	16.8	0	7.80	105	1	1.554	1.00	1.015	1.000	1100	1.37	1.50	1.31
23	5400	4291	16.6	4010	16.7	4686	16.0	0	7.80	105	1	1.010	1.00	1.001	1.000	1.000	1.00	1.75	1.54
7	5140	13535	17.7	17435	18.3	13729	18.1	0	7.97	105	1	1.610	1.10	1.004	1.000	3000	1.01	1.75	1.27
21	3551	7457	14.6	5105	16.1	4756	16.6	0	7.97	105	1	1.115	1.00	1.078	1.008	3771	1.03	1.50	1.10
22	10050	6756	16.6	6100	16.1	7297	16.7	0	7.96	105	3	1.140	1.40	1.030	1.048	7057	1.12	1.00	1.10
19	10350	7297	16.1	8290	16.8	7070	16.0	0	7.96	105	2	1.007	1.00	1.000	1.000	8514	1.10	2.75	1.45
6	14350	21000	16.1	19876	20.5	22531	20.1	0	7.94	105	1	1.004	1.10	1.011	1.008	7115	1.01	2.00	1.33
5	11370	20501	26.7	22870	31.0	24613	29.8	0	7.94	105	1	1.675	1.10	1.044	1.000	3075	1.24	1.00	1.11
17	7104	710	15.8	875	15.0	8507	14.6	0	8.05	105	2	1.345	1.00	1.004	1.000	1.000	1.00	1.00	1.00
16	5100	8507	14.8	8505	16.5	7500	16.0	0	8.10	105	3	1.115	1.00	1.004	1.000	8517	1.05	1.75	1.34
15	4581	7500	16.7	7585	16.5	7509	16.3	0	8.10	105	1	1.548	1.10	1.029	1.000	1.000	1.00	1.50	1.44
14	4587	8005	16.7	8075	17.0	12072	16.5	0	8.08	105	1	1.77	1.00	1.071	1.075	3830	1.07	1.75	1.75
13	3781	10070	16.7	10470	16.8	12094	16.3	0	8.10	105	1	1.140	1.00	1.011	1.007	5160	1.06	1.75	1.44
3	1111	12076	16.0	12194	16.0	---	---	0	8.00	105	0	1.340	1.10	1.007	1.000	1.000	1.00	1.00	1.00
4	5955	35576	16.0	35551	20.5	35985	20.8	0	8.00	105	1	1.135	1.00	1.007	1.000	3837	1.05	1.75	1.70
2	5415	35985	20.8	35794	21.0	37505	21.0	0	8.00	105	1	1.007	1.10	1.010	1.000	3107	1.05	1.75	1.67
1	14026	35515	21.0	35150	20.8	34844	20.7	0	7.99	105	1	1.000	1.10	1.007	1.000	7507	1.01	2.50	1.00
0	15000	34844	20.7	34680	24.0	45985	23.8	0	7.99	105	1	1.110	1.10	1.011	1.000	2400	1.01	1.75	1.67

SUMMARY TABLE C - DISCHARGE (CFE) AT SECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

SECTION STRUCTURE	DRAINAGE AREA (SQ MI)	STORM NUMBERS.....
----------------------	-----------------------------	--------------------

SECTION 1	157.70	
ALTERNATE 0		45984.50

SECTION 2	124.60	
ALTERNATE 0		34845.58

SECTION 3	118.55	
ALTERNATE 0		37565.70

SECTION 4	108.50	
ALTERNATE 0		35956.90

SECTION 5	106.94	
ALTERNATE 0		35878.00

SECTION 6	88.50	
ALTERNATE 0		22530.54

SECTION 7	88.00	
ALTERNATE 0		21999.94

SECTION 8	78.58	
ALTERNATE 0		17857.91

SECTION 9	60.05	
ALTERNATE 0		5474.05

SECTION 10	17.18	
ALTERNATE 0		9,107.67

SECTION 11	7.00	
ALTERNATE 0		4955.77

SECTION 17	28.00	
ALTERNATE 0		12094.21

SECTION 14	27.00	
ALTERNATE 0		10072.04

SECTION 15	18.00	
ALTERNATE 0		8711.60

SUMMARY TABLE 1 - DISCHARGE (CFS) AT WEEDINGS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

WEEDING STRUCTURE ID	DRAINAGE AREA (AC FT)	STORM NUMBERS (1) (2) (3) (4) (5)
WEEDING 16	16.87	
ALTERNATE 0		7807.60
WEEDING 17	11.81	
ALTERNATE 0		6507.78
WEEDING 18	1.46	
ALTERNATE 0		703.67
WEEDING 19	20.47	
ALTERNATE 0		7003.08
WEEDING 20	17.12	
ALTERNATE 0		7313.48
WEEDING 21	5.82	
ALTERNATE 0		4759.80
WEEDING 22	6.49	
ALTERNATE 0		3434.70
WEEDING 23	8.60	
ALTERNATE 0		4688.47
WEEDING 24	6.44	
ALTERNATE 0		3070.05
WEEDING 25	7.81	
ALTERNATE 0		3341.88
WEEDING 26	5.82	
ALTERNATE 0		3332.70

RUN 8

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EXECUTIVE CONTROL OPERATIONS LIST

RECORD 11

LISTING OF CURRENT DATA

YSECT#	YSECT# NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2	YSECT# 1	11.000			
			0.00	0.00	0.00
			4.05	840.00	780.00
			5.75	4700.00	3870.00
			8.25	8400.00	4010.00
			10.87	28000.00	8170.00
			13.00	78000.00	2800.00
			14.11	47000.00	12140.00
9	ENDTEL				

YSECT#	YSECT# NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2	YSECT# 2	11.000			
			0.00	0.00	0.00
			4.15	700.00	3500.00
			7.77	1600.00	7100.00
			8.75	7000.00	3500.00
			12.87	21700.00	13500.00
			14.75	38000.00	24800.00
			15.81	24000.00	3200.00
9	ENDTEL				

YSECT#	YSECT# NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
2	YSECT# 3	11.000			
			0.00	0.00	0.00
			4.75	400.00	1000.00
			8.75	7400.00	3700.00
			11.75	6800.00	3800.00
			13.75	20000.00	11400.00
			17.81	37000.00	18000.00
			18.84	74000.00	14000.00

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
2	XSECTN 4	1,000		
	ELEVATION	DISCHARGE	END AREA	
0	7.50	0.0	0.00	
1	7.07	649.00	656.00	
2	11.86	2248.00	1740.00	
3	13.70	6450.00	3056.00	
4	15.06	16478.00	7455.00	
5	20.81	28966.00	3076.00	
6	21.71	32455.00	11245.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
1	XSECTN 5	1,000		
	ELEVATION	DISCHARGE	END AREA	
0	7.00	0.00	0.00	
1	6.77	606.00	557.00	
2	14.25	7020.00	1610.00	
3	17.02	6064.00	2700.00	
4	22.23	19091.00	6400.00	
5	23.70	23454.00	9125.00	
6	26.40	31215.00	12270.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
0	XSECTN 6	1,000		
	ELEVATION	DISCHARGE	END AREA	
0	11.50	0.00	0.00	
1	13.17	449.00	707.00	
2	21.07	2149.00	1620.00	
3	24.25	4492.00	3776.00	
4	31.25	13478.00	8145.00	
5	31.86	17966.00	10755.00	
6	33.67	29450.00	17357.00	

9 ENDTBL

XSECTN NO.		DRAINAGE AREA		
1	XSECTN 7	1,000		
	ELEVATION	DISCHARGE	END AREA	

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5	26.50	.00	.00
6	31.50	390.00	757.00
7	34.70	1450.00	354.00
8	37.50	2405.00	1755.00
9	39.40	5714.00	1904.00
0	39.00	11805.00	4004.00
1	39.50	14500.00	7055.00
9	ENDTBL		

XSECTN NO.		DRAINAGE AREA	
0	XSECTN 8	110000	
		ELEVATION	DISCHARGE
		END AREA	
5		37.40	.00
6		39.00	357.00
7		39.50	1135.00
8		40.35	2370.00
9		42.47	7105.00
0		47.15	9475.00
1		70.78	11845.00
9	ENDTBL		

XSECTN NO.		DRAINAGE AREA	
0	XSECTN 9	110000	
		ELEVATION	DISCHARGE
		END AREA	
5		39.40	.00
6		40.27	390.00
7		47.07	1017.00
8		49.40	2174.00
9		47.57	3100.00
0		49.85	5106.00
1		49.00	11170.00
9	ENDTBL		

XSECTN NO.		DRAINAGE AREA	
0	XSECTN 10	110000	
		ELEVATION	DISCHARGE
		END AREA	
5		46.00	.00
6		51.35	137.00
7		51.50	507.00
8		52.57	1374.00
9		54.55	5820.00
0		55.51	7455.00
1		55.14	9770.00
9	ENDTBL		

R ENDTBL

VEEDTN NO.		DRAINAGE AREA		
11		1,0000		
	ELEVATION	DISCHARGE	END AREA	
0	51.50	0.00	0.00	
0	55.71	105.00	34.00	
0	57.57	351.00	115.00	
0	59.55	1090.00	410.00	
0	60.92	4045.00	1515.00	
0	64.11	5501.00	1850.00	
0	64.23	4913.00	1545.00	

R ENDTBL

VEEDTN NO.		DRAINAGE AREA		
12		1,1000		
	ELEVATION	DISCHARGE	END AREA	
0	59.00	0.00	0.00	
0	60.15	100.00	35.00	
0	63.44	305.00	101.00	
0	70.54	1015.00	350.00	
0	73.00	3045.00	1015.00	
0	75.55	4055.00	1350.00	
0	75.65	3050.00	1000.00	

R ENDTBL

VEEDTN NO.		DRAINAGE AREA		
13		1,0000		
	ELEVATION	DISCHARGE	END AREA	
0	61.01	0.00	0.00	
0	71.55	145.00	45.00	
0	73.04	705.00	220.00	
0	74.51	1450.00	450.00	
0	76.22	4350.00	1350.00	
0	77.75	5501.00	1770.00	
0	78.57	7055.00	2405.00	

R ENDTBL

VEEDTN NO.		DRAINAGE AREA		
14		1,0000		
	ELEVATION	DISCHARGE	END AREA	

8	17.97	.00	.00
8	18.17	138.00	24.00
8	18.90	279.00	79.00
8	19.00	1088.00	173.00
8	20.10	4070.00	489.00
8	20.75	5400.00	1084.00
8	24.07	6788.00	2087.00
9	ENDTEL		

XSECTN NO.		DRAINAGE AREA	
8	XSECTN 15	1.0000	
		ELEVATION	DISCHARGE
			END AREA
8		19.40	.00
8		20.84	99.00
8		22.16	496.00
8		23.58	991.00
8		27.40	2970.00
8		28.48	3984.00
8		29.04	4888.00
9	ENDTEL		

XSECTN NO.		DRAINAGE AREA	
8	XSECTN 16	1.0000	
		ELEVATION	DISCHARGE
			END AREA
8		19.50	.00
8		20.79	94.00
8		21.88	420.00
8		24.17	844.00
8		28.31	2876.00
8		29.86	3874.00
8		30.98	4208.00
9	ENDTEL		

XSECTN NO.		DRAINAGE AREA	
8	XSECTN 17	1.0000	
		ELEVATION	DISCHARGE
			END AREA
8		28.10	.00
8		29.16	60.00
8		30.98	398.00
8		34.20	896.00
8		38.10	1717.00
8		38.88	2280.00
8		38.88	2880.00
8		38.88	3578.00
9	ENDTEL		

R ENDTBL

	WSEDTN NO.	DRAINAGE AREA		
	18	0.0000		
		ELEVATION	DISCHARGE	END AREA
0		31.87	0.00	0.00
1		31.70	0.00	0.00
2		32.28	11.00	14.00
3		34.82	23.00	46.00
4		36.28	69.00	90.00
5		36.28	92.00	100.00
6		36.74	118.00	111.00

R ENDTBL

	WSEDTN NO.	DRAINAGE AREA		
	19	1.0000		
		ELEVATION	DISCHARGE	END AREA
0		35.00	0.00	0.00
1		35.09	100.00	24.00
2		37.30	500.00	88.00
3		37.76	1024.00	180.00
4		38.81	3070.00	600.00
5		39.70	4994.00	1400.00
6		39.78	6115.00	2415.00

R ENDTBL

	WSEDTN NO.	DRAINAGE AREA		
	20	10.0000		
		ELEVATION	DISCHARGE	END AREA
0		37.80	0.00	0.00
1		38.55	88.00	260.00
2		39.42	428.00	740.00
3		39.91	856.00	1180.00
4		40.07	1052.00	1380.00
5		41.57	3404.00	3750.00
6		42.04	4081.00	3940.00

R ENDTBL

	WSEDTN NO.	DRAINAGE AREA		
	21	10.0000		
		ELEVATION	DISCHARGE	END AREA

40.00	0.00	0.00
44.80	48.00	51.00
45.64	242.00	402.00
46.56	634.00	655.00
47.50	1452.00	1455.00
47.95	1903.00	1745.00
48.00	2400.00	2410.00

ENDTEL

WSECTN NO. 02 COVERAGE AREA 1.0000

ELEVATION	DISCHARGE	END AREA
50.00	0.00	0.00
50.70	35.00	65.00
50.84	150.00	57.00
51.00	325.00	143.00
51.65	974.00	354.00
51.94	1298.00	503.00
52.05	1620.00	627.00

ENDTEL

WSECTN NO. 03 DRAINAGE AREA 1.0000

ELEVATION	DISCHARGE	END AREA
53.00	0.00	0.00
53.84	48.00	30.00
54.00	133.00	102.00
54.07	178.00	257.00
54.70	425.00	374.00
54.87	570.00	1110.00
55.01	2077.00	1013.00

ENDTEL

WSECTN NO. 04 DRAINAGE AREA 1.0000

ELEVATION	DISCHARGE	END AREA
55.00	0.00	0.00
55.62	45.00	41.00
55.75	211.00	150.00
55.71	452.00	225.00
55.87	1233.00	471.00
55.90	1455.00	501.00
56.05	2110.00	705.00

ENDTBL

2	VEGETN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
	05	1.0000			
			35.50	.00	.00
			31.40	75.00	34.00
			27.14	133.00	140.00
			24.14	272.00	219.00
			22.47	407.00	430.00
			20.48	500.00	561.00
			22.49	678.00	878.00

ENDTBL

2	VEGETN NO.	DRAINAGE AREA	ELEVATION	DISCHARGE	END AREA
	06	1.0000			
			32.00	.00	.00
			29.90	68.00	25.00
			28.00	141.00	100.00
			26.88	220.00	148.00
			26.00	348.00	278.00
			25.00	460.00	474.00
			21.08	640.00	887.00

ENDTBL

3	ROAD NO.	ELEVATION	DISCHARGE	STORAGE
		31.00	.00	.00
		30.00	400.00	2750.00
		29.00	450.00	4500.00
		28.00	544.00	6250.00
		27.00	678.00	8000.00
		26.00	800.00	9750.00
		25.00	950.00	11500.00
		24.00	1075.00	13250.00
		23.00	1200.00	15000.00
		22.00	1334.00	16750.00

ENDTBL

TIME INCREMENT

POINT 1200 (MULTIPLY BY 100 NOT EQUAL TO COMPUTED VALUE) COMPUTED VALUE USED

TRD0 Y80 10-12-80 17:38
REV 80 05:40:10

CRD FREEF FOR LIT-100 & DETEN

0000	0500	0320	0500	0500
0000	0500	0330	0500	0500
0000	0500	0340	0500	0500
0000	0500	0350	0500	0500
0000	0500	0400	0500	0500
0000	0500	0410	0500	0500
0000	0500	0420	0500	0500
0000	0500	0430	0500	0500
0000	0500	0440	0500	0500
0000	0500	0450	0500	0500
0000	0500	0460	0500	0500
0000	0500	0470	0500	0500
0000	0500	0480	0500	0500
0000	0500	0490	0500	0500
0000	0500	0500	0500	0500

NOTE

COMPUTED PEAK RATE FACTOR = 058.05

TABLE NO. TIME INCREMENT
B CHANNEL 1 0.500

0000	0000	0050	0070	0100
0020	0050	0100	0120	0150
0040	0080	0130	0160	0190
0060	0100	0160	0200	0230
0080	0120	0190	0230	0260
0100	0140	0220	0260	0290
0120	0160	0250	0290	0320
0140	0180	0280	0320	0350
0160	0200	0310	0350	0380
0180	0220	0340	0380	0410
0200	0240	0370	0410	0440
0220	0260	0400	0440	0470
0240	0280	0430	0470	0500
0260	0300	0460	0500	0530
0280	0320	0490	0530	0560
0300	0340	0520	0560	0590
0320	0360	0550	0590	0620
0340	0380	0580	0620	0650
0360	0400	0610	0650	0680
0380	0420	0640	0680	0710
0400	0440	0670	0710	0740
0420	0460	0700	0740	0770
0440	0480	0730	0770	0800
0460	0500	0760	0800	0830
0480	0520	0790	0830	0860
0500	0540	0820	0860	0890
0520	0560	0850	0890	0920
0540	0580	0880	0920	0950
0560	0600	0910	0950	0980
0580	0620	0940	0980	1010
0600	0640	0970	1010	1040

NOTE

TABLE NO. TIME INCREMENT
B CHANNEL 1 1.000

0000	0500	0900	1,7400	1,9300
0010	0480	0,8500	0,8500	0,8500
0020	0,8500	0,8500	0,8500	0,8500
0030	0,8500	0,8500	0,8500	0,8500

0	6.5400	6.7000	6.8600	7.0200	7.1800
0	7.1700	7.3300	7.4900	7.6500	7.8100
0	8.0700	8.2300	8.3900	8.5500	8.7100
0	8.7500	10.2500	11.5500	12.8500	14.1500
0	13.1500	17.3700	22.2900	27.2100	32.1300

ENDTABLE

TABLE NO. TIME INCREMENT
0 P41WE1 7 1.0000

0	1.0000	1.2200	1.4400	1.6600	1.8800
0	1.7100	1.9300	2.1500	2.3700	2.5900
0	2.0000	2.1500	2.3000	2.4500	2.6000
0	2.4300	2.6700	2.9100	3.1500	3.3900
0	3.4900	3.7300	3.9700	4.2100	4.4500
0	5.2000	5.4400	5.6800	5.9200	6.1600

ENDTABLE

TABLE NO. TIME INCREMENT
0 P41WE1 4 .5000

0	1.0100	1.0150	1.0200	1.0250	1.0300
0	1.0300	1.0350	1.0400	1.0450	1.0500
0	1.0450	1.0500	1.0550	1.0600	1.0650
0	1.0700	1.0750	1.0800	1.0850	1.0900
0	1.0950	1.1000	1.1050	1.1100	1.1150
0	1.1200	1.1250	1.1300	1.1350	1.1400
0	1.1450	1.1500	1.1550	1.1600	1.1650
0	1.1700	1.1750	1.1800	1.1850	1.1900
0	1.1950	1.2000	1.2050	1.2100	1.2150
0	1.2200	1.2250	1.2300	1.2350	1.2400
0	1.2450	1.2500	1.2550	1.2600	1.2650
0	1.2700	1.2750	1.2800	1.2850	1.2900
0	1.2950	1.3000	1.3050	1.3100	1.3150
0	1.3200	1.3250	1.3300	1.3350	1.3400
0	1.3450	1.3500	1.3550	1.3600	1.3650
0	1.3700	1.3750	1.3800	1.3850	1.3900
0	1.3950	1.4000	1.4050	1.4100	1.4150
0	1.4200	1.4250	1.4300	1.4350	1.4400
0	1.4450	1.4500	1.4550	1.4600	1.4650
0	1.4700	1.4750	1.4800	1.4850	1.4900
0	1.4950	1.5000	1.5050	1.5100	1.5150

ENDTABLE

TABLE NO. TIME INCREMENT
0 P41WE1 5 .5000

10010	10000	10070	10150	10110
10140	10170	10200	10270	10250
10280	10300	10350	10380	10410
10440	10470	10500	10550	10580
10600	10670	10710	10750	10780
10840	10890	10940	10980	11040
11090	11140	11200	11250	11270
11400	11470	11540	11600	11670
11810	11870	11940	12070	12100
12200	12270	12380	12480	12580
12790	12800	12810	12880	12930
13090	13090	13090	13080	13160
13340	13310	13380	13740	13800
13980	13970	13970	14000	14070
14120	14170	14200	14280	14390
14500	14500	14410	14480	14490
14700	14770	14800	14870	14880
14970	14900	14970	15000	14910
15210	15270	15310	15380	15460
15880	15890	15900	15900	159100

END

TABLE NO. 70MS SHOPS AT
S PAIVE 2

10100	10080	10160	10140	10220
10400	10380	10470	10450	10560
10790	10824	10880	10900	10980
11000	10980	10980	10980	11070
11300	11300	11300	11300	11390
11680	11680	11680	11680	11780
12010	12010	12010	12010	12100
12400	12400	12400	12400	12480
12800	12800	12800	12800	12880
13200	13200	13200	13200	13280
13600	13600	13600	13600	13680
14000	14000	14000	14000	14080
14400	14400	14400	14400	14480
14800	14800	14800	14800	14880
15200	15200	15200	15200	15280
15600	15600	15600	15600	15680
16000	16000	16000	16000	16080

END

STANDARD CONTROL INSTRUCTIONS

6	RUNOFF	1	10		7	00,0000	79,0000	5,91000	0	0	0	0	1
6	REACH	3	11	7	6	1650,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	11		5	7,0000	79,0000	7,19000	0	0	0	0	1
6	ADDHYD	4	11	5	6			0	0	0	0	0	1
6	REACH	3	10	7	6	6950,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	10		5	9,5000	79,0000	2,91000	0	0	0	0	1
6	ADDHYD	4	10	5	6			1	0	0	0	0	1
6	REACH	3	9	7	6	900,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	9		5	3,2000	79,0000	3,29000	0	0	0	0	1
6	ADDHYD	4	9	6	5			1	0	0	0	0	1
6	REACH	3	8	7	6	1900,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	8		7	3,7000	79,0000	4,70000	0	0	0	0	1
6	ADDHYD	4	8	7	5			1	0	0	0	0	1
6	REACH	3	1	6	7	21,0000		0	0	0	0	0	1
6	ADDHYD	4	1	7	7			1	0	0	0	0	1
6	RUNOFF	1	26		7	5,1500	79,0000	4,05000	0	0	0	0	1
6	REACH	3	25	7	6	4700,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	25		5	1,8500	79,0000	2,25000	0	0	0	0	1
6	ADDHYD	4	25	6	5			1	0	0	0	0	1
6	REACH	3	24	7	5	4000,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	24		6	,9500	79,0000	1,40000	0	0	0	0	1
6	ADDHYD	4	24	5	6			1	0	0	0	0	1
6	REACH	3	23	7	5	5400,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	23		6	1,0500	79,0000	1,40000	0	0	0	0	1
6	ADDHYD	4	23	5	6			1	0	0	0	0	1
6	REACH	3	22	7	6	5100,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	22		7	1,0000	79,0000	1,00000	0	0	0	0	1
6	ADDHYD	4	22	7	6			1	0	0	0	0	1
6	REACH	3	21	7	6	5100,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	21		7	1,0000	79,0000	1,00000	0	0	0	0	1
6	ADDHYD	4	21	7	6			1	0	0	0	0	1
6	REACH	3	20	7	5	12000,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	20		7	7,4000	79,0000	2,50000	0	0	0	0	1
6	ADDHYD	4	20	5	7			1	0	0	0	0	1
6	REACH	3	19	6	5	11500,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	19		7	2,7500	79,0000	3,40000	0	0	0	0	1
6	ADDHYD	4	19	7	5			1	0	0	0	0	1
6	REACH	3	18	7	5	14000,0000	,0000	,00000	0	0	0	0	1
6	RUNOFF	1	18		6	11,2500	79,0000	5,50000	0	0	0	0	1

6	ADDHYD	4	6	6	7				1	0	0	0	1
6	REACH	3	6	7	6	10870.0000	.0000	.0000	0	0	0	0	1
6	RUNOFF	1	6			8.4100	75.0000	3.2800	0	0	0	0	1
6	ADDHYD	4	6	6	7				1	0	0	0	1
6	REACH	3	6	7	6				1	0	0	0	1
6	RUNOFF	1	6			.4600	80.0000	.8900	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1
6	REACH	3	6	7	6	3014.0000	.0000	.0000	0	0	0	0	1
6	RUNOFF	1	6			11.4500	80.0000	2.8100	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1
6	REACH	3	6	7	6	9120.0000	.0000	.0000	0	0	0	0	1
6	RUNOFF	1	6			4.7600	75.0000	2.7900	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1
6	REACH	3	6	7	6	4940.0000	.0000	.0000	0	0	0	0	1
6	RUNOFF	1	6			2.9500	81.0000	2.9800	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1
6	REACH	3	6	7	6	4987.0000	.0000	.0000	0	0	0	0	1
6	RUNOFF	1	6			7.3300	81.0000	3.8100	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1
6	REACH	3	6	7	6	6796.0000	.0000	.0000	0	0	0	0	1
6	RUNOFF	1	6			1.8700	81.0000	2.5100	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1
6	REACH	3	6	7	6				1	0	0	0	1
6	RUNOFF	1	6			1100.0000	.0000	.0000	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1
6	REACH	3	6	7	6	8858.0000	.0000	.0000	0	0	0	0	1
6	RUNOFF	1	6			3.8500	75.0000	2.7300	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1
6	REACH	3	6	7	6	8418.0000	.0000	.0000	0	0	0	0	1
6	RUNOFF	1	6			7.1500	75.0000	3.8400	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1
6	REACH	3	6	7	6	16028.0000	.0000	.0000	0	0	0	0	1
6	RUNOFF	1	6			8.1000	75.0000	4.7900	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1
6	REACH	3	6	7	6	15901.0000	.0000	.0000	0	0	0	0	1
6	RUNOFF	1	6			97.1000	75.0000	8.8600	0	0	0	0	1
6	ADDHYD	4	6	7	6				1	0	0	0	1

ENDATA

END OF LISTING

EXECUTIVE CONTROL OPERATION INCFEN WACK TIME INCREMENT = .05 HOURS RECORDED TO

EXECUTIVE CONTROL OPERATION COMPUT FROM XSECTION 10 TO XSECTION 11
STARTING TIME = .00 RAIN DEPTH = 10.60 RAIN DURATION = 1.00 RAIN TABLE NO. = 1 ANT. MOIST. COND = 0
ALTERNATE NO. = 0 STOP NO. = 0 WACK TIME INCREMENT = .05 HOURS

OPERATION RUNOFF CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(Feet)
16.36	6260.08	(RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTION TABLE 11 BY 1047.7 CFS

OPERATION RUNOFF CROSS SECTION 11

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(Feet)
14.36	4455.77	(RUNOFF)

OPERATION RUNOFF CROSS SECTION 12

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(Feet)
14.36	6397.00	(RUNOFF)

OPERATION ADD-40 CROSS SECTION 10

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(Feet)
14.36	6285.40	56.62

OPERATION REACH CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(Feet)
17.36	6088.00	48.70

OPERATION RUNOFF CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(Feet)
17.36	2498.04	(RUNOFF)

OPERATION ADD-40 CROSS SECTION 8

TRSD XED 10-17-91 17:17P
REV PD 09/87 (2)

080 CREEK RUN ULT-100 W DETEN.

JOB 1 P466 1
P46E 1E

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.66 8700.09 49.17

OPERATION BEACH CROSS SECTION 8

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
21.66 8807.16 40.61

OPERATION RUNOFF CROSS SECTION 9

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.71 9213.10 (RUNOFF)

OPERATION ABBHYD CROSS SECTION 8

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
19.71 10210.70 52.66

OPERATION RUNOFF CROSS SECTION 25

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
13.06 13221.02 (RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 25 BY 947.0 CFS

OPERATION BEACH CROSS SECTION 15

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
18.59 8794.34 40.65

OPERATION RUNOFF CROSS SECTION 2E

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
10.72 10781.36 (RUNOFF)

OPERATION ABBHYD CROSS SECTION 15

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
12.16 8840.56 40.76

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 15 BY 1709.7 CFS

OPERATION REACH CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.86	3614.72	42.10

OPERATION RUNOFF CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
17.04	1016.47	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 24

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.41	4992.05	43.45

*** WARNING - INFLOW EXCEEDED MAX. FLOW IN XSECTION TABLE 03 BY 1915.00 CFS

OPERATION REACH CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.12	4203.17	41.30

OPERATION RUNOFF CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.04	1107.11	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 20

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.99	4656.47	42.70

OPERATION ADDHYD CROSS SECTION 8

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
01.05	6670.57	42.00
02.04	7700.37	42.68

OPERATION RUNOFF CROSS SECTION 7

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
12.87 1374.82 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 7

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
18.68 6911.62 31.57
20.50 6927.94 31.60
28.59 7919.94 32.59

OPERATION RUNOFF CROSS SECTION 22

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
14.58 3456.72 (RUNOFF)

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 21 BY 1032.7 CFS

OPERATION REACH CROSS SECTION 21

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
16.24 3104.84 48.68

OPERATION RUNOFF CROSS SECTION 21

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
14.21 1972.68 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 21

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.67 4759.82 50.08

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN XSECTN TABLE 20 BY 476.1 CFS

OPERATION REACH CROSS SECTION 20

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
17.89 4035.39 41.91

OPERATION RUNOFF CROSS SECTION 20

TPOC YES 10-17-91 17:39
REV 00 09/00(1,2)

050 CREEK RUN, ULT-100 W. OF TEN.

JOB 1 PAGE 1
PAGE 15

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
13.65	5324.10	(RUNOFF)

OPERATION ABOVE CROSS SECTION 20

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
16.10	7208.48	45.65

*** WARNING - INFLOW EXCEEDED MAX. FLOW IN XSECTN TABLE 19 BY 2066.8 CFS

OPERATION REACH CROSS SECTION 19

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
16.37	6292.04	74.02

OPERATION RUNOFF CROSS SECTION 19

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
13.78	3507.06	(RUNOFF)

OPERATION ABOVE CROSS SECTION 19

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
13.69	7370.35	35.14

OPERATION ABOVE CROSS SECTION 7

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
15.25	14267.70	36.35

OPERATION REACH CROSS SECTION 6

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
21.11	13564.87	30.25

OPERATION RUNOFF CROSS SECTION 6

PEAK TIME (HRS)	PEAK DISCHARGE (CFS)	PEAK ELEVATION (FEET)
14.24	4527.75	(RUNOFF)

OPERATION ADDHYD CROSS SECTION 6

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
19.85 16762.12 31.28

OPERATION REACH CROSS SECTION 8

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
21.04 16859.32 22.03

OPERATION RUNOFF CROSS SECTION 8

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
14.41 3107.84 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 8

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
19.81 16820.87 23.07

OPERATION RUNOFF CROSS SECTION 12

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
12.71 703.07 (RUNOFF)
20.69 22.44 (RUNOFF)

*** WARNING REACH 17 ATT-MIN COEFF. (C) GREATER THAN 0.847, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 17

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
13.05 677.42 34.32

OPERATION RUNOFF CROSS SECTION 17

PEAK TIME (HRS) PEAK DISCHARGE (CFS) PEAK ELEVATION (FEET)
14.85 6199.65 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 17

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.75	6507.35	35.75

*** WARNING - INFLOW EXCEEDED MAX FLOW IN XSECTION TABLE 16 BY 2259.4 CFS

OPERATION REACH CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.61	5519.37	31.45

OPERATION RUNOFF CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.00	3412.40	(RUNOFF)

OPERATION ABOVE CROSS SECTION 16

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
15.95	7523.61	34.01

*** WARNING - INFLOW EXCEEDED MAX FLOW IN XSECTION TABLE 15 BY 2967.9 CFS

OPERATION REACH CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.53	7565.09	33.57

OPERATION RUNOFF CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
14.20	1947.14	(RUNOFF)

OPERATION ABOVE CROSS SECTION 15

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
16.15	9311.63	33.12

*** WARNING - INFLOW EXCEEDED MAX FLOW IN XSECTION TABLE 14 BY 2520.9 CFS

OPERATION REACH CROSS SECTION 14

TRSD YED 10-17-91 17:39
REV PD 05/83(1.2)

080 CREEK RUN UPT-300 W. BETHA.

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PEAK TIME(HRS): 17.21
PEAK DISCHARGE(CFS): 8079.91
PEAK ELEVATION(FEET): 26.15

OPERATION RUNOFF CROSS SECTION 14

PEAK TIME(HRS): 14.84
PEAK DISCHARGE(CFS): 4032.70
PEAK ELEVATION(FEET): (RUNOFF)

OPERATION ADDHYD CROSS SECTION 14

PEAK TIME(HRS): 16.52
PEAK DISCHARGE(CFS): 12072.04
PEAK ELEVATION(FEET): 29.29

*** WARNING - INFLOW EXCEEDED MAX.FLOW IN SECTN TABLE 13 BY 5116.9 CFS

OPERATION REACH CROSS SECTION 17

PEAK TIME(HRS): 18.47
PEAK DISCHARGE(CFS): 11474.82
PEAK ELEVATION(FEET): 28.43

OPERATION RUNOFF CROSS SECTION 13

PEAK TIME(HRS): 17.59
PEAK DISCHARGE(CFS): 1551.81
PEAK ELEVATION(FEET): (RUNOFF)

OPERATION ADDHYD CROSS SECTION 17

PEAK TIME(HRS): 18.27
PEAK DISCHARGE(CFS): 12094.21
PEAK ELEVATION(FEET): 26.94

*** WARNING REACH 5 ATT-XIN COEFF.(D) GREATER THAN 0.667, CONSIDER REDUCING MAIN TIME INCREMENT ***

OPERATION REACH CROSS SECTION 5

PEAK TIME(HRS): 18.27
PEAK DISCHARGE(CFS): 12094.21
PEAK ELEVATION(FEET): 19.51

OPERATION ADDHYD CROSS SECTION 5

PEAK TIME(HRS): 18.94
PEAK DISCHARGE(CFS): 30817.45
PEAK ELEVATION(FEET): 24.07

OPERATION REACH CROSS SECTION 4

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
19.88 30812.48 21.55

OPERATION RUNOFF CROSS SECTION 4

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
19.26 2447.11 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 4

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
19.74 30539.52 21.66

OPERATION REACH CROSS SECTION 3

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
20.59 30606.11 18.10

OPERATION RUNOFF CROSS SECTION 3

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
14.64 3980.74 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 3

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
20.30 32486.85 18.35

OPERATION REACH CROSS SECTION 2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
23.10 30319.58 14.57

OPERATION RUNOFF CROSS SECTION 2

PEAK TIME(HRS) PEAK DISCHARGE(CFS) PEAK ELEVATION(FEET)
15.85 3520.28 (RUNOFF)

OPERATION ADDHYD CROSS SECTION 2

PEAK TIME(HRS) 22.72
PEAK DISCHARGE(CFS) 32077.24
PEAK ELEVATION(FEET) 14.88

OPERATION RUNOFF CROSS SECTION 1

PEAK TIME(HRS) 18.94
PEAK DISCHARGE(CFS) 11887.15
PEAK ELEVATION(FEET) (RUNOFF)

OPERATION ADDHYD CROSS SECTION 1

PEAK TIME(HRS) 22.60
PEAK DISCHARGE(CFS) 41888.87
PEAK ELEVATION(FEET) 17.88

TIME(HRS)	FIRST HYDROGRAPH POINT =	.00 HOURS	TIME INCREMENT =	.05 HOURS	DRAINAGE AREA =	189.00 SQ.MI.
2.50	D18046	1.00	1.01	1.01	1.00	1.00
2.50	ELEV	1.00	1.00	1.00	1.00	1.00
5.00	D18046	1.15	1.42	1.94	1.87	3.27
5.00	ELEV	1.00	1.01	1.01	1.02	1.04
7.50	D18046	34.23	46.67	60.67	67.88	106.01
7.50	ELEV	1.15	1.20	1.27	1.36	1.47
10.00	D18046	415.54	504.24	617.75	728.20	865.07
10.00	ELEV	1.75	2.17	2.60	3.04	3.74
12.50	D18046	2777.65	3357.55	4076.42	4851.71	5755.22
12.50	ELEV	5.75	5.75	5.25	5.77	7.05
15.00	D18046	13753.04	15370.44	17014.64	18690.34	20351.67
15.00	ELEV	9.08	9.35	9.71	10.02	10.33
17.50	D18046	25071.21	30247.65	34380.21	38437.91	33432.05
17.50	ELEV	11.94	12.10	12.23	12.33	12.50
20.00	D18046	38413.20	39027.19	37570.19	40045.24	40455.71
20.00	ELEV	12.17	13.24	13.70	13.33	13.39
22.50	D18046	41657.54	41643.90	41591.04	41485.24	41336.94
22.50	ELEV	12.52	12.52	12.52	12.50	12.45
25.00	D18046	37846.25	37804.39	37837.50	36824.78	35474.02
25.00	ELEV	12.53	12.28	12.28	12.01	12.17
27.50	D18046	35659.55	35651.74	34643.38	34115.02	33375.34
27.50	ELEV	12.32	12.76	12.45	12.52	12.54
30.00	D18046	20307.34	25771.10	29237.91	28703.17	25182.25
30.00	ELEV	12.11	12.04	11.97	11.90	11.53
32.50	D18046	25133.47	24505.51	24153.56	23675.71	23202.50
32.50	ELEV	11.24	11.15	11.05	10.87	10.69
35.00	D18046	20551.74	20181.00	19752.63	19415.25	19055.55
35.00	ELEV	10.38	10.31	10.23	10.15	10.07
37.50	D18046	17049.67	16733.24	16429.81	16070.25	15838.40
37.50	ELEV	9.55	9.52	9.52	9.52	9.52

37.50	ELEV	8.71	8.65	8.59	8.53	8.48	8.43	8.37	8.31	8.25	8.21
40.00	DIBCH8	14088.55	13928.55	13878.47	13828.39	13778.32	13728.24	13678.17	13628.09	13578.02	13528.05
40.00	ELEV	8.16	8.11	8.05	8.00	7.97	7.92	7.88	7.84	7.79	7.75
40.50	DIBCH8	11834.88	11674.88	11624.80	11574.72	11524.64	11474.56	11424.48	11374.41	11324.33	11274.30
40.50	ELEV	8.71	8.67	8.63	8.59	8.55	8.52	8.49	8.45	8.41	8.37
45.00	DIBCH8	8944.81	8778.75	8612.69	8446.63	8280.57	8114.51	7948.45	7782.39	7616.33	7450.27
45.00	ELEV	8.75	8.70	8.65	8.60	8.56	8.51	8.47	8.42	8.38	8.33
47.50	DIBCH8	8404.56	8237.85	8071.14	7904.43	7737.72	7571.01	7404.30	7237.59	7070.88	6904.17
47.50	ELEV	7.97	7.92	7.87	7.82	7.77	7.71	7.67	7.62	7.57	7.52
50.00	DIBCH8	7184.30	7017.59	6850.88	6684.17	6517.46	6350.75	6184.04	6017.33	5850.62	5683.91
50.00	ELEV	7.50	7.45	7.40	7.35	7.30	7.25	7.20	7.15	7.10	7.05
50.50	DIBCH8	6181.31	6014.60	5847.89	5681.18	5514.47	5347.76	5181.05	5014.34	4847.63	4680.92
50.50	ELEV	7.00	6.95	6.90	6.85	6.80	6.75	6.70	6.65	6.60	6.55
55.00	DIBCH8	5080.30	4913.59	4746.88	4580.17	4413.46	4246.75	4080.04	3913.33	3746.62	3580.91
55.00	ELEV	6.94	6.89	6.84	6.79	6.74	6.69	6.64	6.59	6.54	6.49
57.50	DIBCH8	4705.30	4538.59	4371.88	4205.17	4038.46	3871.75	3705.04	3538.33	3371.62	3205.91
57.50	ELEV	6.72	6.67	6.62	6.57	6.52	6.47	6.42	6.37	6.32	6.27
60.00	DIBCH8	4177.51	4010.80	3844.09	3677.38	3510.67	3343.96	3177.25	3010.54	2843.83	2677.12
60.00	ELEV	6.05	6.00	5.95	5.90	5.85	5.80	5.75	5.70	5.65	5.60
60.50	DIBCH8	3471.54	3304.83	3138.12	2971.41	2804.70	2637.99	2471.28	2304.57	2137.86	1971.15
60.50	ELEV	5.85	5.80	5.75	5.70	5.65	5.60	5.55	5.50	5.45	5.40
65.00	DIBCH8	2875.34	2708.63	2541.92	2375.21	2208.50	2041.79	1875.08	1708.37	1541.66	1375.95
65.00	ELEV	5.40	5.35	5.30	5.25	5.20	5.15	5.10	5.05	5.00	4.95
67.50	DIBCH8	2401.35	2234.64	2067.93	1901.22	1734.51	1567.80	1401.09	1234.38	1067.67	901.96
67.50	ELEV	5.11	5.06	5.01	4.96	4.91	4.86	4.81	4.76	4.71	4.66
70.00	DIBCH8	1886.37	1719.66	1552.95	1386.24	1219.53	1052.82	886.11	719.40	552.69	386.98
70.00	ELEV	4.84	4.79	4.74	4.69	4.64	4.59	4.54	4.49	4.44	4.39
72.50	DIBCH8	1700.40	1533.69	1366.98	1200.27	1033.56	866.85	700.14	533.43	366.72	200.01
72.50	ELEV	4.61	4.56	4.51	4.46	4.41	4.36	4.31	4.26	4.21	4.16

RUNOFF VOLUME ABOVE BASEFLOW = 7.22 WATERSHED INCHES, 849153.00 CFS-HRS, 78408.00 ACRE-FEET; BASEFLOW = 110 CFS

--- HYDROGRAPH FOR RESECTION 1, ALTERNATE 0, STORM 0, ADDED TO OUTPUT HYDROGRAPH FILE ---

EXECUTIVE CONTROL OPERATION ENDS COMPUTATIONS COMPLETED FOR P488 1 REPORT 11

EXECUTIVE CONTROL OPERATION ENDS REPORT 11

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS AS THEY WERE PERFORMED
(A STAR (*) AFTER THE PEAK DISCHARGE TIME AND RATE (DFB) VALUES INDICATES A FLAT TOP HYDROGRAPH
& QUESTION MARK (?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.)

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	PNTD NOISE COND	RAIN TIME (HR)	PRECIPITATION			RUNOFF AMOUNT (CU)	PEAK DISCHARGE			
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (DFB)	RATE (CBF)
ALTERNATE 0 00000 0													
SECTION 10	RUNOFF	20.00	1	2	.25	0	10.60	24.00	7.97	---	15.16	8260.08	426.4
SECTION 11	BEACH	20.00	1	2	.25	0	10.60	24.00	7.94	60.15	25.10	4400.05	217.6
SECTION 11	RUNOFF	7.00	1	2	.25	0	10.60	24.00	7.96	---	14.36	4456.77	608.6
SECTION 11	ADDHYD	27.65	1	0	.25	0	10.60	24.00	7.94	64.10	20.75	5719.17	206.8
SECTION 10	BEACH	27.65	1	1	.25	0	10.60	24.00	7.94	64.95	24.02	5635.42	110.8
SECTION 10	RUNOFF	6.50	1	1	.25	0	10.60	24.00	7.94	---	14.16	6781.01	631.8
SECTION 10	ADDHYD	37.48	1	1	.25	0	10.60	24.00	7.94	56.10	14.93	9269.40	247.8
SECTION 9	BEACH	37.48	1	2	.25	0	10.60	24.00	7.94	49.70	10.03	6360.01	230.7
SECTION 9	RUNOFF	0.20	1	0	.25	0	10.60	24.00	7.97	---	20.65	2466.40	750.1
SECTION 9	ADDHYD	40.68	1	1	.25	0	10.60	24.00	7.94	49.17	13.88	6930.09	229.0
SECTION 6	BEACH	40.68	1	0	.25	0	10.60	24.00	7.93	40.81	21.58	6060.19	203.0
SECTION 6	RUNOFF	6.70	1	0	.25	0	10.60	24.00	7.96	---	15.10	5015.13	273.8
SECTION 6	ADDHYD	47.39	1	1	.25	0	10.60	24.00	7.97	50.69	19.71	10201.70	316.9
STRUCTURE 1	RESVOP	47.39	1	2	.25	0	10.60	24.00	7.95	33.43	30.13	7207.50	150.1
SECTION 25	RUNOFF	6.68	1	2	.27	0	10.60	24.00	7.80	---	15.15	3520.00	499.5
SECTION 25	BEACH	6.68	1	2	.25	0	10.60	24.00	7.80	40.93	13.78	5794.04	154.6
SECTION 25	RUNOFF	1.26	1	0	.25	0	10.60	24.00	7.87	---	13.70	1333.06	731.8
SECTION 25	ADDHYD	7.94	1	0	.25	0	10.60	24.00	7.80	40.76	13.15	3841.85	311.0
SECTION 24	BEACH	7.94	1	1	.25	0	10.60	24.00	7.87	40.13	13.66	7814.92	303.0
SECTION 24	RUNOFF	1.30	1	2	.25	0	10.60	24.00	7.84	---	10.04	1116.97	1750.0
SECTION 24	ADDHYD	9.24	1	0	.25	0	10.60	24.00	7.87	40.40	13.41	4390.03	302.6
SECTION 23	BEACH	9.24	1	1	.25	0	10.60	24.00	7.87	40.70	13.16	4200.17	493.0
SECTION 20	RUNOFF	1.06	1	1	.25	0	10.60	24.00	7.97	---	10.04	1377.01	1101.5
SECTION 20	ADDHYD	6.30	1	0	.25	0	10.60	24.00	7.86	40.70	10.99	4655.97	490.5
SECTION 8	ADDHYD	56.99	1	0	.25	0	10.60	24.00	7.86	40.55	23.04	7500.00	109.4
SECTION 7	BEACH	56.99	1	2	.25	0	10.60	24.00	7.86	33.89	19.03	7915.01	109.0
SECTION 7	RUNOFF	1.20	1	1	.20	0	10.60	24.00	7.84	---	10.97	1374.62	1113.0
SECTION 7	ADDHYD	58.19	1	0	.25	0	10.60	24.00	7.87	33.69	23.99	7916.85	106.0
SECTION 22	RUNOFF	6.49	1	0	.25	0	10.60	24.00	7.87	---	14.66	3436.00	500.0
SECTION 21	BEACH	6.49	1	2	.25	0	10.60	24.00	7.87	46.82	16.26	1104.84	433.0
SECTION 21	RUNOFF	0.09	1	0	.25	0	10.60	24.00	7.94	---	14.71	1970.65	613.4
SECTION 21	ADDHYD	6.58	1	1	.25	0	10.60	24.00	7.94	50.15	15.67	4759.80	491.7

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR(*) AFTER THE PEAK DISCHARGE TIME AND RATE (CFD) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK(?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.

SECTION STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC COND	RAIN TIME INDREK (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
						BASEIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFD)	RATE (CSM)
	ALTERNATE	1	STORY	0									
XSECTION	20 REACH	9.66	1	2	.25	0	10.60	24.00	7.96	41.91	17.99	4036.39	416.9
XSECTION	20 RUNDIFF	7.44	1	2	.25	0	10.60	24.00	7.96	---	13.86	5824.10	713.6
XSECTION	20 ADDHYD	17.12	1	2	.25	0	10.60	24.00	7.96	47.65	16.00	7208.46	491.1
XSECTION	19 REACH	17.12	1	2	.25	0	10.60	24.00	7.96	34.02	16.87	6392.04	387.5
XSECTION	19 RUNDIFF	0.76	1	2	.25	0	10.60	24.00	7.97	---	13.76	2607.06	746.4
XSECTION	19 ADDHYD	21.47	1	2	.25	0	10.60	24.00	7.96	35.14	17.99	7776.35	560.7
XSECTION	7 ADDHYD	78.36	1	2	.25	0	10.60	24.00	7.74	39.36	15.07	14267.35	161.6
XSECTION	6 REACH	78.36	1	2	.25	0	10.60	24.00	7.71	30.25	21.01	13864.67	172.9
XSECTION	6 RUNDIFF	11.08	1	2	.25	0	10.60	24.00	7.94	---	16.24	4827.73	411.4
XSECTION	6 ADDHYD	89.34	1	2	.25	0	10.60	24.00	7.74	21.26	15.86	16768.18	166.6
XSECTION	8 REACH	29.64	1	2	.25	0	10.60	24.00	7.72	22.07	21.04	16659.32	185.4
XSECTION	8 RUNDIFF	6.41	1	2	.25	0	10.60	24.00	7.97	---	14.41	5107.64	599.1
XSECTION	8 ADDHYD	36.25	1	2	.25	0	10.60	24.00	7.74	22.07	19.81	18801.67	191.6
XSECTION	16 RUNDIFF	1.46	1	2	.25	0	10.60	24.00	8.09	---	12.71	700.07	626.4
XSECTION	17 REACH	1.46	1	2	.25	0	10.60	24.00	8.09	34.82	12.85	677.02	1472.0
XSECTION	17 RUNDIFF	11.45	1	2	.25	0	11.60	24.00	8.10	---	19.65	6199.65	841.8
XSECTION	17 ADDHYD	11.91	1	2	.25	0	10.60	24.00	8.10	26.75	14.75	6017.73	546.4
XSECTION	16 REACH	11.91	1	2	.25	0	10.60	24.00	8.10	23.45	16.11	5219.77	467.4
XSECTION	16 RUNDIFF	4.96	1	2	.25	0	10.60	24.00	7.96	---	14.00	7412.40	699.1
XSECTION	16 ADDHYD	16.87	1	2	.25	0	10.60	24.00	8.06	24.01	15.95	7923.51	489.7
XSECTION	15 REACH	16.87	1	2	.25	0	10.60	24.00	8.06	21.87	16.53	7666.99	466.4
XSECTION	15 RUNDIFF	2.95	1	2	.25	0	10.60	24.00	8.00	---	14.20	1947.04	664.1
XSECTION	15 ADDHYD	19.82	1	2	.25	0	10.60	24.00	8.06	23.12	16.15	9711.63	499.8
XSECTION	14 REACH	19.82	1	2	.25	0	10.60	24.00	8.08	26.15	17.21	8475.01	456.1
XSECTION	14 RUNDIFF	7.00	1	2	.25	0	10.60	24.00	8.03	---	14.54	4302.70	350.2
XSECTION	14 ADDHYD	27.00	1	2	.25	0	10.60	24.00	8.12	29.29	16.52	12072.04	456.7
XSECTION	07 REACH	27.16	1	2	.25	0	10.60	24.00	8.12	26.43	16.43	11474.63	422.6
XSECTION	10 RUNDIFF	11.87	1	2	.25	0	10.60	24.00	8.03	---	12.59	1551.81	626.7
XSECTION	10 ADDHYD	29.00	1	2	.25	0	10.60	24.00	8.03	26.94	16.27	12094.21	416.8
XSECTION	0 REACH	29.00	1	2	.25	0	10.60	24.00	8.03	19.62	16.27	12094.21	416.8
XSECTION	5 ADDHYD	107.07	1	2	.25	0	10.60	24.00	7.87	26.17	16.96	7117.75	310.8
XSECTION	4 REACH	107.07	1	2	.25	0	10.60	24.00	7.82	24.55	16.59	7002.48	278.2
XSECTION	4 RUNDIFF	10.84	1	2	.25	0	10.60	24.00	7.96	---	12.26	3448.21	369.7
XSECTION	4 ADDHYD	108.60	1	2	.25	0	10.60	24.00	7.82	21.69	16.74	7159.62	277.5
XSECTION	0 REACH	108.60	1	2	.25	0	10.60	24.00	7.81	16.11	21.59	7159.62	277.5
XSECTION	0 RUNDIFF	7.08	1	2	.25	0	10.60	24.00	7.96	---	14.64	5981.74	662.0

SUMMARY TABLE 1 - SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL INSTRUCTIONS IN THE ORDER PERFORMED
(A STAR) AFTER THE PEAK DISCHARGE TIME AND RATE (DFF) VALUES INDICATES A FLAT TOP HYDROGRAPH
A QUESTION MARK (?) INDICATES A HYDROGRAPH WITH PEAK AS LAST POINT.

SECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RAIN TABLE #	ANTEC MOIST COND	MAIN TIME INCRS (HR)	PRECIPITATION			RUNOFF AMOUNT (IN)	PEAK DISCHARGE				
						BEGIN (HR)	AMOUNT (IN)	DURATION (HR)		ELEVATION (FT)	TIME (HR)	RATE (CFE)	RATE (CFM)	
	ALTERNATE	0	STORM	0										
XSECTION	0	ADDHYD	136.91	1	2	.25	.0	10.60	24.00	7.91	16.88	20.30	35453.65	207.0
XSECTION	0	REACH	136.91	1	1	.25	.0	10.60	24.00	7.76	14.57	20.00	30319.59	210.5
XSECTION	2	RUNOFF	8.02	1	1	.25	.0	10.60	24.00	7.96	---	16.65	5580.28	446.4
XSECTION	2	ADDHYD	144.93	1	2	.25	.0	10.60	24.00	7.77	14.85	21.75	52077.24	221.7
XSECTION	1	REACH	144.93	1	2	.25	.0	10.60	24.00	7.78	12.33	20.60	31871.48	200.1
XSECTION	1	RUNOFF	40.10	1	2	.25	.0	10.60	24.00	7.94	---	16.94	10857.15	275.8
XSECTION	1	ADDHYD	138.03	1	2	.25	.0	10.60	24.00	7.81	17.53	22.60	41656.60	227.6

SUMMARY TABLE 2 - SELECTED MODIFIED ATT-HOK REACH ROUTINGS IN ORDER OF STANDARD EXECUTIVE CONTROL INSTRUCTIONS
 A STAR() AFTER VOLUME ABOVE BASE (V) INDICATES A HYDROGRAPH TRUNCATED AT A VALUE EXCEEDING BASE + 10% OF PEAK
 A QUESTION MARK (?) AFTER COEFF. (C) INDICATES PARAMETERS OUTSIDE ACCEPTABLE LIMITS, SEE PREVIOUS WARNINGS

VISED REACH ID	HYDROGRAPH INFORMATION								ROUTING PARAMETERS						PEAK				
	INFLOW		OUTFLOW		INTER. AREA		BASE-FLOW (CFE)	VOLUME ABOVE BASE (V)	KATN INCR (HR)	STEP-ACTION #	G AND A EQUATION		PEAK RATIO (R%)	S/O AREA (K)	ATT-COEFF (C)	TRAVEL TIME			
	PEAK (CFE)	TIME (HR)	PEAK (CFE)	TIME (HR)	PEAK (CFE)	TIME (HR)					COEFF (K)	POWER (N)				LENGTH FACTOR (KX)	ETCR- (HR)	KONE- (HR)	
	ALTERNATE	G	ETCR	K															
21	16280	8360	18.3	4400	25.0	5719	22.8	0	7.97	.25	6	.058	1.21	.765	.535	30145	.03	7.00	8.90
11	6950	5719	22.8	5435	24.5	9358	15.0	0	7.94	.25	1	.181	1.20	.046	.985	5695	.15	1.75	1.58
3	9601	9268	18.0	8781	17.5	9729	15.8	0	7.94	.25	1	.029	1.43	.036	.902	5075	.16	2.50	1.40
9	16281	9709	16.8	8757	21.5	10316	19.8	0	7.94	.25	2	.075	1.05	.134	.859	10680	.08	4.75	2.87
25	4700	3581	18.0	2787	18.5	3340	18.7	0	7.87	.25	1	.070	1.36	.017	.991	1214	.84	.50	.74
24	4200	3541	18.0	3510	18.8	4291	18.5	0	7.85	.25	1	.654	1.21	.019	.993	1130	.87	.51	.71
23	5400	4290	18.8	4201	18.7	4688	18.0	0	7.87	.25	1	.012	1.30	.002	.975	1957	.87	.75	.84
7	5140	7500	28.7	3918	29.0	7520	29.0	0	7.88	.25	1	.520	1.15	.010	.998	2399	.73	.75	.67
21	5850	3453	14.8	3132	16.7	4256	15.8	0	7.87	.25	1	.115	1.29	.073	.903	3731	.82	1.51	1.05
21	15180	4756	18.8	4375	18.0	7207	16.0	0	7.96	.25	3	.043	1.46	.153	.843	7357	.12	2.05	2.00
19	11650	7007	18.0	6390	18.8	7070	18.0	0	7.94	.25	3	1.33	1.00	.203	.877	6914	.11	2.75	2.45
5	14250	14067	18.7	13587	21.7	16767	19.8	0	7.74	.25	1	.033	1.21	.045	.983	6900	.87	2.75	2.80
5	10870	16767	19.8	16659	21.0	18621	19.8	0	7.74	.25	1	.454	1.21	.001	.994	3091	.25	1.25	.86
17	3014	701	12.8	675	12.0	6507	14.8	0	8.09	.25	0	.359	1.37	.004	.960	750	.747	.128	.21
15	9100	6307	14.8	5519	15.5	7513	15.0	0	8.10	.25	7	1.05	1.13	.054	.843	5519	.13	1.75	1.54
15	4950	7503	18.0	7568	16.5	8309	16.3	0	8.06	.25	1	.848	1.15	.029	.993	1557	.45	.50	.42
14	4957	5709	18.7	5078	17.3	10770	18.5	0	8.02	.25	1	1.77	1.00	.007	.985	3531	.37	1.00	1.79
13	6751	10770	18.5	10477	18.5	12094	18.3	0	8.13	.25	1	.041	1.21	.001	.987	5080	.19	2.00	1.44
5	1000	10094	18.7	10094	18.0	---	---	0	8.00	.25	0	.590	1.18	.007	1.000	734	1.000	1.00	1.00
4	5555	30617	19.0	30306	20.0	30309	19.5	0	7.87	.25	1	.149	1.30	.017	.990	2634	.39	1.70	1.73
7	9415	39509	19.8	39514	20.5	39488	20.3	0	7.83	.25	1	.045	1.64	.007	.992	2359	.33	.75	.66
3	16008	39488	20.0	39320	22.0	39077	20.8	0	7.80	.25	2	.001	1.57	.030	.983	7938	.11	2.75	2.20
1	15100	39077	20.8	39399	22.5	41454	22.5	0	7.79	.25	1	.005	1.63	.005	.994	2543	.30	.75	.71

EDMAR TABLE 7 - DISCHARGE (CF) AT SECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

SECTION STRUCTURE	DRAINAGE AREA (SQ MI)	STORM NUMBERS.....
1	47.39	0
ALTERNATE	0	7107.50
2	138.00	0
ALTERNATE	0	41255.60
3	144.70	0
ALTERNATE	0	32077.24
4	178.51	0
ALTERNATE	0	30488.65
5	178.92	0
ALTERNATE	0	30509.52
6	152.97	0
ALTERNATE	0	30617.45
7	88.84	0
ALTERNATE	0	15768.18
8	75.88	0
ALTERNATE	0	14227.00
9	58.89	0
ALTERNATE	0	7870.33
10	40.68	0
ALTERNATE	0	9700.39
11	28.48	0
ALTERNATE	0	4255.40
12	27.65	0
ALTERNATE	0	5715.17
13	20.00	0
ALTERNATE	0	8260.85
14	29.00	0
ALTERNATE	0	12054.01

SUMMARY TABLE 3 - DISCHARGE (CFS) AT XSECTIONS AND STRUCTURES FOR ALL STORMS AND ALTERNATES

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ FT)	STORM NUMBERS.....
XSECTION 14	27.15	
ALTERNATE 0		10070.04
XSECTION 15	15.82	
ALTERNATE 0		5311.63
XSECTION 16	14.87	
ALTERNATE 0		7520.61
XSECTION 17	11.51	
ALTERNATE 0		6507.38
XSECTION 18	1.44	
ALTERNATE 0		703.07
XSECTION 19	20.47	
ALTERNATE 0		7370.35
XSECTION 20	17.12	
ALTERNATE 0		7208.48
XSECTION 21	8.68	
ALTERNATE 0		4759.82
XSECTION 22	6.49	
ALTERNATE 0		3456.72
XSECTION 23	7.51	
ALTERNATE 0		4685.47
XSECTION 24	8.44	
ALTERNATE 0		4092.03
XSECTION 25	7.51	
ALTERNATE 0		3841.58
XSECTION 26	5.65	
ALTERNATE 0		2623.03

```
*****
WATER SURFACE PROFILES
VERSION OF NOVEMBER 1976
UPDATED MAY 1984
IBM-PC-XT VERSION AUGUST 1985
RUN DATE 10-02-91 TIME 22:23:57
*****
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RUN 9

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*****
U.S. ARMY CORPS OF ENGINEERS
THE HYDROLOGIC ENGINEERING CENTER
609 SECOND STREET, SUITE D
DAVIS, CALIFORNIA 95616
(916) 440-2105 (FTS) 448-2105
*****
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X   X  XXXXXXXX  XXXXX          XXXXX
X   X X          X   X          X   X
X   X X          X              X
XXXXXXXX XXXX   X              XXXXX XXXXX
X   X X          X              X
X   X X          X   X          X
X   X  XXXXXXXX  XXXXX          XXXXXXXX
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THIS RUN EXECUTED 10-03-91

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*****
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
*****
    
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FR
T1 1990DEV./25YR STORM
T2 STORMWATER MASTER PLAN STUDY - WALKER ENGINEERING
T3 OSO CREEK/TRIBUTARIES
    
```

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J1 ICHECK  INQ  NINW  IDIR  STRT  METRIC  HVINS  Q  WSEL  FQ
      0.    2.    0.    0.  .000000  .00    .5    0.  6.000  .000

J2 NPROF  IPLIT  PRFVS  XSECV  XSECH  FN  ALLDC  IBW  CHNIN  ITRACE
      1.000  .000  -1.000  .000  .000  .000  .000  .000  .000  .000
    
```

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J3 VARIABLE CODES FOR SUMMARY PRINTOUT
      38.000  43.000  1.000  26.000  39.000  41.000  40.000  60.000  35.000  59.000
    
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J5 LPRNT  NUMSEC *****REQUESTED SECTION NUMBERS*****
      -10.000  -10.000  .000  .000  .000  .000  .000  .000  .000  .000
    
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NC  .060  .060  .035  .100  .300  .000  .000  .000  .000  .000
QT  6.000  27509.000  39444.000  29645.000  42038.000  33208.000  46139.000  .000  .000  .000
X1  1.001  13.000  5800.000  6600.000  .000  .000  .000  .000  .000  .000
BR  20.000  .000  15.000  1000.000  15.000  4500.000  5.000  5200.000  4.000  5800.000
BR  .000  5860.000  -2.000  6200.000  .000  6450.000  4.000  6600.000  5.000  6750.000
BR  10.000  7000.000  15.000  10500.000  20.000  13600.000  .000  .000  .000  .000

X1  1.002  13.000  9600.000  10550.000  6000.000  6000.000  6000.000  .000  .000  .000
BR  20.000  .000  15.000  4600.000  10.000  7500.000  5.000  7600.000  4.000  9600.000
BR  .000  9650.000  -2.000  10000.000  .000  10500.000  4.000  10550.000  5.000  11200.000
BR  10.000  11300.000  15.000  13500.000  20.000  16500.000  .000  .000  .000  .000

X1  1.003  12.000  3200.000  3850.000  2000.000  8000.000  4000.000  .000  .000  .000
BR  15.000  .000  10.000  2300.000  5.000  2400.000  4.000  3200.000  1.000  3250.000
BR  .500  3400.000  1.000  3800.000  4.000  3850.000  5.000  4500.000  10.000  4575.000
BR  15.000  7000.000  18.000  10700.000  .000  .000  .000  .000  .000  .000
    
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X1	1.010	17.000	1440.000	2400.000	2480.000	480.000	1480.000	.000	.000	.000
GR	15.000	.000	14.000	950.000	13.200	1200.000	12.200	1325.000	9.800	1440.000
GR	5.700	1700.000	3.700	1850.000	2.000	1875.000	1.400	1900.000	1.200	1975.000
GR	1.400	2075.000	1.700	2150.000	2.000	2167.000	2.900	2200.000	8.000	2400.000
GR	15.000	4000.000	16.000	7200.000	.000	.000	.000	.000	.000	.000
GT	6.000	22186.000	31748.000	24182.000	34163.000	26709.000	37089.000	.000	.000	.000
X1	1.020	17.000	3065.000	3490.000	1100.000	3000.000	2200.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	10.000	10.000	.000
GR	15.000	.000	10.000	720.000	5.000	850.000	5.000	3050.000	3.000	3065.000
GR	1.000	3105.000	.000	3125.000	1.000	3160.000	2.000	3215.000	2.000	3270.000
GR	4.000	3325.000	4.000	3380.000	4.000	3435.000	5.000	3490.000	10.000	4000.000
GR	15.000	4600.000	25.000	5900.000	.000	.000	.000	.000	.000	.000
SB	1.100	1.560	2.900	.000	410.000	9.300	4600.000	1.360	.000	.000
X1	1.030	.000	.000	.000	70.000	70.000	70.000	.000	.000	.000
X2	.000	.000	1.000	13.500	18.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	10.000	10.000	.000
BT	10.000	.000	15.000	.000	1000.000	10.000	.000	2400.000	10.000	.000
BT	3049.000	15.000	.000	3050.000	17.500	.000	3269.500	20.500	.000	3489.000
BT	17.500	.000	3490.000	16.000	.000	4250.000	15.000	.000	5500.000	20.000
BT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	1.032	20.000	3430.000	4350.000	1000.000	1000.000	1000.000	.000	.000	.000
GR	21.000	.000	20.000	700.000	15.000	2100.000	16.500	3000.000	16.900	3048.000
GR	10.100	3228.000	9.900	3430.000	4.500	3686.000	6.400	3910.000	2.100	4032.000
GR	1.300	4095.000	1.200	4146.000	2.100	4212.000	8.800	4350.000	15.700	4586.000
GR	5.000	4800.000	5.000	5400.000	15.000	5600.000	16.000	6660.000	18.000	6670.000
X1	1.038	19.000	1404.000	1922.000	1750.000	2800.000	2300.000	.000	.000	.000
GR	20.000	.000	20.000	300.000	14.600	1000.000	11.900	1046.000	5.400	1104.000
GR	5.700	1404.000	5.100	1471.000	2.000	1562.000	.500	1612.000	.500	1693.000
GR	2.000	1718.000	2.800	1723.000	5.700	1922.000	3.400	2002.000	6.000	2448.000
GR	12.800	2475.000	16.900	2529.000	20.000	3200.000	20.000	10300.000	.000	.000
X1	1.040	22.000	3068.000	3588.000	2350.000	1300.000	1700.000	.000	.000	.000
GR	20.000	.000	20.000	650.000	16.000	3000.000	15.700	3024.000	6.000	3068.000
GR	2.100	3242.000	1.100	3252.000	1.100	3288.000	2.100	3312.000	5.900	3378.000
GR	5.700	3402.000	2.800	3408.000	5.300	3450.000	5.500	3516.000	3.300	3522.000
GR	5.800	3588.000	10.500	3698.000	10.000	4000.000	10.000	4600.000	10.000	5300.000
GR	15.000	5600.000	20.000	9500.000	.000	.000	.000	.000	.000	.000
X1	1.050	12.000	2620.000	3078.000	400.000	400.000	400.000	.000	.000	.000
GR	20.000	.000	16.000	2000.000	5.400	2096.000	5.400	2620.000	2.000	2742.000
GR	1.400	2792.000	1.400	2898.000	2.000	2948.000	10.500	3078.000	14.300	3397.000
GR	15.400	3498.000	20.000	9500.000	.000	.000	.000	.000	.000	.000
X1	1.060	19.000	1150.000	1568.000	1500.000	900.000	1450.000	.000	.000	.000
GR	20.000	.000	17.500	500.000	15.100	1000.000	6.000	1150.000	6.000	1363.000
GR	3.400	1398.000	2.200	1476.000	1.400	1495.000	1.400	1530.000	2.200	1550.000
GR	6.400	1568.000	6.200	1583.000	3.400	1627.000	4.900	1808.000	16.300	1908.000
GR	20.000	3000.000	20.000	3475.000	20.000	3810.000	20.000	7000.000	.000	.000

NC	.100	.100	.085	.100	.300	.000	.000	.000	.000	.000
X1	1.315	14.000	1340.000	1600.000	2850.000	2850.000	3000.000	.000	.000	.000
GR	35.000	.000	30.000	740.000	29.000	900.000	28.000	1100.000	26.000	1200.000
GR	25.000	1300.000	20.000	1340.000	15.000	1375.000	12.500	1440.000	15.000	1505.000
GR	20.000	1600.000	25.000	1725.000	30.000	2350.000	35.000	3200.000	.000	.000
X1	1.320	10.000	1485.000	1690.000	2450.000	4550.000	3850.000	.000	.000	.000
GR	35.000	1000.000	30.000	1425.000	25.000	1485.000	16.000	1510.000	15.000	1575.000
GR	16.000	1660.000	25.000	1690.000	30.000	1870.000	35.000	2750.000	40.000	3110.000
NC	.065	.065	.055	.000	.000	.000	.000	.000	.000	.000
QT	6.000	12066.000	17779.000	13494.000	19489.000	15125.000	21394.000	.000	.000	.000
X1	1.330	15.000	1510.000	1640.000	3000.000	500.000	1800.000	.000	.000	.000
GR	35.000	1000.000	30.000	1425.000	25.000	1485.000	20.000	1510.000	17.000	1552.000
GR	17.000	1553.000	15.500	1575.000	16.000	1594.000	16.000	1595.000	19.000	1640.000
GR	20.000	1660.000	25.000	1690.000	30.000	1870.000	35.000	2750.000	40.000	3110.000
X1	1.340	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	34.100	34.100	.000
X1	1.350	.000	.000	.000	42.000	42.000	42.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	34.100	34.100	.000
BT	20.000	1000.000	35.000	.000	1425.000	34.500	.000	1485.000	34.100	.000
BT	1510.000	34.100	.000	1510.000	36.000	31.500	1552.000	36.000	31.500	1552.000
BT	36.000	.000	1553.000	36.000	.000	1553.000	36.000	31.500	1594.000	36.000
BT	31.500	1594.000	36.000	.000	1595.000	36.000	.000	1595.000	36.000	31.500
JT	1640.000	36.000	31.500	1640.000	34.100	.000	1660.000	34.500	.000	1690.000
BT	35.000	.000	1870.000	35.000	.000	2750.000	36.000	.000	3110.000	41.000
BT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	1.360	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X1	1.365	17.000	3450.000	3600.000	3400.000	1300.000	2700.000	.000	.000	.000
GR	45.000	.000	44.000	1000.000	43.000	1200.000	42.000	1700.000	41.000	1950.000
GR	40.000	2250.000	35.000	2820.000	30.000	3240.000	25.000	3350.000	20.000	3450.000
GR	16.900	3500.000	16.900	3528.000	25.000	3600.000	30.000	3650.000	35.000	3700.000
GR	40.000	4000.000	42.000	7000.000	.000	.000	.000	.000	.000	.000
QT	6.000	7386.000	11219.000	8388.000	12491.000	9342.000	13882.000	.000	.000	.000
X1	1.370	17.000	3520.000	3620.000	2100.000	2800.000	2300.000	.000	.000	.000
GR	45.000	1000.000	40.000	2400.000	35.000	3095.000	30.000	3450.000	25.000	3500.000
GR	23.600	3520.000	21.800	3545.000	21.800	3546.000	18.300	3570.000	18.300	3579.000
GR	22.100	3595.000	22.100	3596.000	24.100	3620.000	25.000	3630.000	30.000	3660.000
GR	35.000	3950.000	40.000	4280.000	.000	.000	.000	.000	.000	.000
X1	1.380	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	39.000	39.000	.000

X1	1.390	.000	.000	.000	26.000	26.000	26.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	39.000	39.000	.000
BT	23.000	1000.000	46.000	.000	2400.000	41.000	.000	3095.000	39.000	.000
BT	3450.000	39.000	.000	3520.000	39.000	.000	3520.000	40.300	37.300	3545.000
BT	40.300	37.300	3545.000	40.300	.000	3546.000	40.300	.000	3546.000	40.300
BT	37.300	3570.000	40.300	37.300	3570.000	40.300	.000	3579.000	40.300	.000
BT	3579.000	40.300	37.300	3595.000	40.300	37.300	3595.000	40.300	.000	3596.000
BT	40.300	.000	3596.000	40.300	37.300	3620.000	40.300	37.300	3620.000	39.000
BT	.000	3630.000	39.000	.000	3950.000	39.500	.000	4280.000	41.000	.000
X1	1.400	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X1	1.410	8.000	1690.000	1820.000	1775.000	1875.000	1775.000	.000	.000	.000
GR	40.000	1000.000	35.000	1690.000	30.000	1720.000	25.000	1770.000	25.000	1779.000
GR	30.000	1820.000	35.000	1945.000	40.000	2350.000	.000	.000	.000	.000
X1	1.420	7.000	1940.000	2250.000	175.000	150.000	200.000	.000	.000	.000
GR	45.000	1000.000	40.000	1430.000	35.000	1940.000	30.000	1990.000	30.000	2050.000
GR	35.000	2250.000	40.000	2620.000	.000	.000	.000	.000	.000	.000
NC	.065	.065	.055	.000	.000	.000	.000	.000	.000	.000
X1	1.430	6.000	1800.000	2200.000	200.000	200.000	250.000	.000	.000	.000
GR	45.000	1000.000	40.000	1410.000	36.000	1800.000	35.000	2090.000	36.000	2200.000
GR	40.000	2620.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	1.431	8.000	1800.000	2200.000	1000.000	1000.000	1000.000	.000	.000	.000
GR	50.000	100.000	45.000	1000.000	40.000	1410.000	36.000	1800.000	35.000	2090.000
GR	36.000	2200.000	40.000	2620.000	50.000	3500.000	.000	.000	.000	.000
NC	.060	.060	.055	.000	.000	.000	.000	.000	.000	.000
X1	1.432	10.000	1050.000	1600.000	2000.000	2000.000	2000.000	.000	.000	.000
GR	44.000	.000	42.000	100.000	40.000	200.000	38.000	520.000	36.000	1050.000
GR	36.000	1100.000	35.500	1400.000	36.000	1600.000	40.000	1800.000	45.000	2600.000
X1	1.433	12.000	1150.000	1400.000	2000.000	2000.000	2000.000	.000	.000	.000
GR	48.000	.000	46.000	200.000	44.000	280.000	42.000	380.000	40.000	550.000
GR	38.000	750.000	36.000	1150.000	34.000	1300.000	36.000	1400.000	40.000	2200.000
GR	45.000	2800.000	50.000	3600.000	.000	.000	.000	.000	.000	.000
X1	1.434	12.000	1080.000	1280.000	2000.000	2000.000	2000.000	.000	.000	.000
GR	50.000	.000	48.000	350.000	46.000	550.000	44.000	630.000	42.000	730.000
GR	40.000	850.000	38.000	1080.000	37.400	1150.000	38.000	1280.000	40.000	1900.000
GR	45.000	2600.000	50.000	3800.000	.000	.000	.000	.000	.000	.000
X1	1.435	9.000	1640.000	1680.000	2000.000	2000.000	2000.000	.000	.000	.000
GR	48.000	.000	46.000	500.000	44.000	1000.000	42.000	1380.000	40.000	1640.000
GR	37.600	1650.000	40.000	1680.000	45.000	2100.000	50.000	2600.000	.000	.000

GT	6.000	4803.000	7262.000	5627.000	8280.000	6360.000	9289.000	.000	.000	.000
NC	.050	.050	.035	.300	.500	.000	.000	.000	.000	.000
X1	1.491	19.000	2000.000	2100.000	1650.000	2850.000	2050.000	.000	.000	.000
GR	60.000	.000	58.000	520.000	56.000	780.000	54.000	1000.000	52.000	1150.000
GR	52.000	1540.000	53.500	1700.000	54.000	1840.000	60.500	1880.000	57.000	2000.000
GR	57.000	2001.000	44.400	2010.000	44.400	2080.000	57.000	2100.000	57.000	2101.000
GR	52.000	2140.000	55.000	3280.000	59.000	6060.000	65.000	6660.000	.000	.000
X1	1.492	.000	.000	.000	200.000	200.000	200.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	57.000	57.000	.000
SB	1.250	1.560	3.000	.000	70.000	4.000	1170.000	1.000	.000	.000
X1	1.493	.000	.000	.000	40.000	40.000	40.000	.000	.000	.000
X2	.000	.000	1.000	58.400	59.900	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	57.000	57.000	.000
BT	8.000	.000	60.000	.000	1150.000	57.800	.000	2000.000	59.800	.000
BT	2001.000	62.500	.000	2100.000	62.500	.000	2101.000	59.800	.000	6060.000
BT	60.000	.000	6660.000	65.000	.000	.000	.000	.000	.000	.000
X1	1.494	12.000	1980.000	2111.000	20.000	20.000	20.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	59.900	59.900	.000
GR	60.000	.000	57.800	1120.000	59.900	1980.000	55.400	1981.000	45.000	2004.000
GR	45.300	2020.000	44.900	2070.000	44.900	2085.000	55.400	2110.000	59.900	2111.000
GR	60.000	4500.000	65.000	6660.000	.000	.000	.000	.000	.000	.000
SB	1.250	1.560	3.000	.000	81.000	2.500	1508.000	1.900	.000	.000
X1	1.495	.000	.000	.000	40.000	40.000	40.000	.000	.000	.000
X2	.000	.000	1.000	58.900	59.900	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	59.900	59.900	.000
BT	2.000	1980.000	59.900	.000	2111.000	59.900	.000	.000	.000	.000
X1	1.496	11.000	2011.000	2088.000	50.000	50.000	50.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	61.000	61.000	.000
GR	62.300	.000	61.000	2011.000	52.000	2012.000	47.000	2025.000	45.700	2037.000
GR	44.500	2050.000	46.700	2062.000	47.700	2075.000	51.000	2087.000	61.000	2088.000
GR	62.300	4100.000	.000	.000	.000	.000	.000	.000	.000	.000
SB	1.250	1.560	2.560	.000	25.000	4.000	802.000	2.300	.000	.000
X1	1.497	.000	.000	.000	10.000	10.000	10.000	.000	.000	.000
X2	.000	.000	1.000	58.500	61.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	61.000	61.000	.000
BT	2.000	2011.000	60.000	.000	2088.000	61.000	.000	.000	.000	.000
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
X1	1.498	14.000	4000.000	4065.000	200.000	200.000	200.000	.000	.000	.000
GR	60.000	.000	59.500	2400.000	59.000	2900.000	58.000	3100.000	57.000	3200.000
GR	56.000	3450.000	55.000	3750.000	56.500	3950.000	56.000	4000.000	45.000	4020.000
GR	45.000	4045.000	56.000	4065.000	59.000	4200.000	60.000	6500.000	.000	.000

X1	2.100	11.000	2501.200	2678.800	1500.000	1500.000	1500.000	.000	.000	.000
GR	35.000	.000	34.000	1250.000	30.000	2000.000	28.000	2450.000	28.000	2501.200
GR	18.300	2540.000	18.300	2640.000	28.000	2678.800	28.000	2800.000	30.000	3250.000
GR	35.000	4050.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	2.110	15.000	2190.400	2369.600	1500.000	1500.000	1500.000	.000	.000	.000
GR	34.000	.000	33.000	400.000	32.000	900.000	29.000	1650.000	29.000	2190.400
GR	29.000	2190.400	19.100	2230.000	19.100	2330.000	29.000	2369.600	29.000	3250.000
GR	30.000	3450.000	31.000	4000.000	32.000	4250.000	33.000	4900.000	34.000	5000.000
X1	2.120	18.000	1061.600	1238.400	1550.000	1450.000	1500.000	.000	.000	.000
GR	35.000	.000	34.000	400.000	33.000	650.000	32.000	750.000	31.000	800.000
GR	30.000	895.000	29.000	980.000	29.000	1061.600	19.400	1100.000	19.400	1200.000
GR	29.000	1238.400	29.000	1820.000	30.000	2050.000	31.000	2750.000	32.000	3100.000
GR	33.000	3500.000	34.000	3820.000	35.000	4200.000	.000	.000	.000	.000
BT	6.000	4935.000	6698.000	5828.000	7610.000	6113.000	7924.000	.000	.000	.000
NC	.000	.000	.000	.600	.800	.000	.000	.000	.000	.000
X1	2.131	21.000	3600.000	3840.000	460.000	4600.000	460.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	30.000	30.000	.000
GR	35.000	.000	34.000	1050.000	33.000	1250.000	32.000	1400.000	31.000	1520.000
GR	30.000	3050.000	29.000	3350.000	31.000	3600.000	25.000	3640.000	23.000	3680.000
GR	18.000	3720.000	18.000	3760.000	23.500	3800.000	33.000	3840.000	29.000	4200.000
GR	30.000	4450.000	31.000	5000.000	32.000	5650.000	33.000	5850.000	34.000	6400.000
GR	35.000	6800.000	.000	.000	.000	.000	.000	.000	.000	.000
SB	1.350	1.560	2.600	.000	20.000	5.000	2122.500	4.900	.000	.000
X1	2.132	.000	.000	.000	37.000	37.000	37.000	.000	.000	.000
X2	.000	.000	1.000	36.500	40.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	30.000	30.000	.000
BT	9.000	.000	35.000	.000	1600.000	30.000	.000	3500.000	30.000	.000
BT	3600.000	37.500	.000	3601.000	40.000	.000	3840.000	40.000	.000	3841.000
BT	37.500	.000	3940.000	31.000	.000	6800.000	35.000	.000	.000	.000
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
X1	2.133	.000	.000	.000	200.000	200.000	200.000	.000	.000	.000
X1	2.140	18.000	2663.600	2836.400	1070.000	1070.000	1070.000	.000	.000	.000
GR	35.000	.000	34.000	650.000	33.000	900.000	32.000	1130.000	31.000	1580.000
GR	30.000	1900.000	29.000	2400.000	29.000	2663.600	18.900	2700.000	18.900	2800.000
GR	29.000	2836.400	29.000	3620.000	30.000	4180.000	31.000	4450.000	32.000	4700.000
GR	33.000	5000.000	34.000	5400.000	35.000	5800.000	.000	.000	.000	.000
X1	2.150	18.000	2913.600	3086.400	1500.000	1350.000	1450.000	.000	.000	.000
GR	35.000	.000	34.000	750.000	33.000	1300.000	32.000	1700.000	31.000	2100.000
GR	30.000	2500.000	29.000	2800.000	29.000	2913.600	19.900	2950.000	19.900	3050.000
GR	29.000	3086.400	29.000	3150.000	30.000	3600.000	31.000	4100.000	32.000	4400.000
GR	33.000	4950.000	34.000	5150.000	35.000	6000.000	.000	.000	.000	.000

SB	1.250	1.560	2.600	.000	12.000	2.000	50.000	.000	.000	.000
X1	2.222	.000	.000	.000	240.000	240.000	240.000	.000	.000	.000
X2	.000	.000	1.000	34.040	38.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	38.000	38.000	.000
BT	3.000	.000	38.000	.000	1000.000	38.000	.000	2000.000	38.000	.000
X1	2.223	6.000	978.000	1022.600	100.000	100.000	100.000	.000	.000	.000
GR	36.300	.000	36.000	978.000	29.060	995.000	29.060	1005.000	36.400	1022.600
GR	37.000	2000.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.050	.050	.035	.100	.300	.000	.000	.000	.000	.000
X1	2.230	11.000	1477.000	1523.000	240.000	400.000	290.000	.000	.000	.000
GR	37.500	.000	37.500	500.000	37.500	1000.000	37.710	1477.000	29.880	1495.000
GR	29.880	1500.000	29.880	1505.000	37.710	1523.000	37.800	2000.000	38.200	2500.000
GR	39.800	3000.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	2.240	11.000	1377.000	1423.000	1475.000	1475.000	1475.000	.000	.000	.000
GR	38.000	.000	40.000	500.000	39.000	1000.000	39.500	1377.000	31.600	1396.000
GR	31.600	1400.000	31.600	1404.000	39.500	1423.000	40.000	2000.000	40.500	2500.000
GR	41.000	3000.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	2.250	11.000	1475.050	1524.950	1500.000	1500.000	1500.000	.000	.000	.000
GR	40.500	.000	41.000	500.000	41.500	1000.000	42.500	1475.050	33.390	1496.000
GR	33.390	1500.000	33.390	1504.000	42.500	1524.950	42.500	2000.000	42.500	2500.000
GR	42.500	3000.000	.000	.000	.000	.000	.000	.000	.000	.000
1	2.260	11.000	1474.650	1525.350	700.000	700.000	700.000	.000	.000	.000
GR	42.000	.000	42.500	500.000	43.000	1000.000	43.000	1474.650	34.460	1496.000
GR	34.460	1500.000	34.460	1504.000	43.000	1525.350	43.000	2000.000	43.200	2500.000
GR	43.500	3000.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.060	.060	.050	.100	.300	.000	.000	.000	.000	.000
BT	6.000	4697.000	6388.000	5088.000	6797.000	5754.000	7370.000	.000	.000	.000
X1	-1.315	8.000	3200.000	3400.000	.000	.000	.000	.000	.000	.000
GR	40.000	.000	30.000	2200.000	22.000	3200.000	15.000	3250.000	15.000	3350.000
GR	22.000	3400.000	30.000	3600.000	35.000	4500.000	.000	.000	.000	.000
X1	3.050	7.000	2100.000	2300.000	2400.000	5200.000	4800.000	.000	.000	.000
GR	40.000	.000	35.000	1000.000	30.000	2100.000	25.000	2200.000	30.000	2300.000
GR	35.000	3200.000	40.000	6400.000	.000	.000	.000	.000	.000	.000
X1	3.100	7.000	1880.000	2350.000	3600.000	3600.000	3900.000	.000	.000	.000
GR	40.000	1000.000	35.000	1380.000	32.000	1880.000	30.000	2230.000	32.500	2350.000
GR	35.000	2435.000	40.000	2780.000	.000	.000	.000	.000	.000	.000
BT	6.000	3983.000	5792.000	4309.000	6263.000	5147.000	7208.000	.000	.000	.000
X1	3.110	8.000	3100.000	3240.000	2600.000	3000.000	3150.000	.000	.000	.000
GR	45.000	1000.000	44.000	1700.000	43.000	3100.000	32.500	3120.000	32.500	3220.000
GR	40.000	3240.000	41.000	4000.000	45.000	5200.000	.000	.000	.000	.000

X1	3.120	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	40.700	40.700	.000
X1	3.130	.000	.000	.000	43.000	43.000	43.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	40.700	40.700	.000
BT	10.000	1000.000	45.000	.000	1700.000	44.000	.000	3100.000	41.000	.000
BT	3120.000	40.700	.000	3120.000	40.700	38.700	3220.000	40.700	38.700	3220.000
BT	40.700	.000	3240.000	41.000	.000	4000.000	41.000	.000	5200.000	45.000
BT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	3.140	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X1	3.200	8.000	1675.000	2310.000	1407.000	1957.000	1457.000	.000	.000	.000
GR	45.000	1000.000	40.000	1500.000	38.000	1675.000	35.000	1950.000	37.500	2310.000
GR	40.000	2710.000	45.000	3075.000	50.000	3910.000	.000	.000	.000	.000
X1	3.210	18.000	1500.000	1590.000	2600.000	3900.000	3400.000	.000	.000	.000
GR	45.000	1000.000	42.000	1200.000	39.000	1450.000	37.800	1500.000	37.800	1514.000
GR	37.800	1515.000	37.800	1529.000	37.800	1530.000	37.800	1544.000	37.800	1545.000
GR	37.800	1559.000	37.800	1560.000	37.800	1574.000	37.800	1575.000	37.800	1590.000
GR	39.000	2100.000	44.000	3000.000	45.000	3100.000	.000	.000	.000	.000
X1	3.220	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	42.200	42.200	.000
X1	3.230	.000	.000	.000	22.500	22.500	22.500	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	42.200	42.200	.000
BT	30.000	1000.000	45.000	.000	1200.000	44.000	.000	1450.000	42.200	.000
BT	1500.000	42.200	.000	1500.000	42.200	40.700	1514.000	42.200	40.700	1514.000
BT	42.200	.000	1515.000	42.200	.000	1515.000	42.200	40.700	1529.000	42.200
BT	40.700	1529.000	42.200	.000	1530.000	42.200	.000	1530.000	42.200	40.700
BT	1544.000	42.200	40.700	1544.000	42.200	.000	1545.000	42.200	.000	1545.000
BT	42.200	40.700	1559.000	42.200	40.700	1559.000	42.200	.000	1560.000	42.200
BT	.000	1560.000	42.200	40.700	1574.000	42.200	40.700	1574.000	42.200	.000
BT	1575.000	42.200	.000	1575.000	42.200	40.700	1590.000	42.200	40.700	1590.000
BT	42.200	.000	2100.000	42.200	.000	3000.000	44.000	.000	3100.000	45.000
BT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	3.240	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X1	3.300	9.000	1735.000	2200.000	3677.500	2777.500	3377.500	.000	.000	.000
GR	50.000	1000.000	45.000	1520.000	42.500	1735.000	40.000	2000.000	43.000	2200.000
GR	45.000	2350.000	50.000	3060.000	55.000	3925.000	60.000	5750.000	.000	.000
BT	6.000	2570.000	3726.000	2816.000	4080.000	3391.000	4760.000	.000	.000	.000
X1	3.310	24.000	1700.000	1960.000	2800.000	3500.000	3500.000	.000	.000	.000
GR	52.000	1000.000	46.000	1650.000	44.000	1700.000	43.100	1714.000	43.100	1715.000
GR	43.100	1729.000	43.100	1730.000	43.100	1744.000	43.100	1745.000	43.100	1760.000
GR	49.000	1765.000	49.000	1855.000	44.700	1860.000	44.700	1865.000	44.700	1866.000
GR	44.700	1871.000	44.700	1872.000	44.700	1877.000	44.700	1878.000	44.700	1883.000
GR	44.700	1884.000	44.700	1889.000	45.000	1960.000	52.000	3160.000	.000	.000

X1	3.320	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	50.400	50.400	.000
X1	3.330	.000	.000	.000	26.000	26.000	26.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	50.400	50.400	.000
BT	42.000	1000.000	52.000	.000	1650.000	50.400	.000	1700.000	50.400	.000
BT	1700.000	50.400	48.900	1714.000	50.400	48.900	1714.000	50.400	.000	1715.000
BT	50.400	.000	1715.000	50.400	48.900	1729.000	50.400	48.900	1729.000	50.400
BT	.000	1730.000	50.400	.000	1730.000	50.400	48.900	1744.000	50.400	48.900
BT	1744.000	50.400	.000	1745.000	50.400	.000	1745.000	50.400	48.900	1760.000
BT	50.400	48.900	1760.000	50.400	.000	1765.000	50.400	.000	1855.000	50.900
BT	.000	1860.000	50.900	.000	1860.000	51.700	49.200	1865.000	51.700	49.200
BT	1865.000	51.700	.000	1866.000	51.700	.000	1866.000	51.700	49.200	1871.000
BT	51.700	49.200	1871.000	51.700	.000	1872.000	51.700	.000	1872.000	51.700
BT	49.200	1877.000	51.700	49.200	1877.000	51.700	.000	1878.000	51.700	.000
BT	1878.000	51.700	49.200	1883.000	51.700	49.200	1883.000	51.700	.000	1884.000
BT	51.700	.000	1884.000	51.700	49.200	1889.000	51.700	49.200	1889.000	50.900
BT	.000	1960.000	50.900	.000	3160.000	52.000	.000	.000	.000	.000
X1	3.340	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X1	3.400	7.000	1650.000	2095.000	2774.000	3024.000	2574.000	.000	.000	.000
GR	55.000	1000.000	50.000	1470.000	47.500	1650.000	45.000	1850.000	47.500	2095.000
GR	50.000	2315.000	55.000	2995.000	.000	.000	.000	.000	.000	.000
BT	6.000	1816.000	2630.000	2022.000	2929.000	2464.000	3547.000	.000	.000	.000
BT	3.500	5.000	1100.000	1800.000	3380.000	2200.000	3200.000	.000	.000	.000
GR	55.000	1000.000	53.000	1100.000	50.000	1260.000	52.500	1800.000	55.000	2350.000
BT	6.000	2579.000	3768.000	2819.000	4114.000	3305.000	4688.000	.000	.000	.000
NC	.050	.050	.035	.000	.000	.000	.000	.000	.000	.000
X1	-1.360	19.000	1666.000	1785.000	.000	.000	.000	.000	.000	.000
GR	39.000	.000	33.000	400.000	32.000	750.000	31.000	1330.000	30.000	1600.000
GR	30.000	1666.000	24.000	1685.000	23.000	1712.000	21.000	1720.000	21.000	1730.000
GR	23.000	1738.000	24.000	1765.000	30.000	1785.000	29.000	2200.000	30.000	3100.000
GR	32.000	3200.000	33.000	3400.000	34.000	3560.000	35.000	3750.000	.000	.000
X1	4.020	22.000	1583.000	1746.000	575.000	800.000	790.000	.000	.000	.000
GR	40.000	.000	34.000	130.000	35.000	450.000	36.000	600.000	37.000	950.000
GR	38.000	1300.000	38.000	1583.000	24.000	1625.000	23.000	1652.000	21.000	1660.000
GR	21.000	1670.000	23.000	1678.000	24.000	1705.000	38.000	1746.000	38.000	2100.000
GR	39.000	2600.000	37.000	3100.000	36.000	3500.000	37.000	3620.000	38.000	3700.000
GR	39.000	3800.000	40.000	3900.000	.000	.000	.000	.000	.000	.000
X1	4.300	19.000	1557.000	1743.000	800.000	800.000	800.000	.000	.000	.000
GR	42.000	.000	38.000	330.000	39.000	500.000	40.000	700.000	41.000	850.000
GR	42.000	1030.000	43.000	1500.000	43.000	1557.000	25.000	1610.000	24.000	1637.000
GR	22.000	1645.000	22.000	1655.000	24.000	1663.000	25.000	1690.000	43.000	1743.000
GR	43.000	2200.000	42.000	2900.000	41.000	3300.000	40.000	3800.000	.000	.000

THIS RUN EXECUTED 10-02-91

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

OSO CREEK/TRIBUTARIES

SUMMARY PRINTOUT

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
1.001	27509.00	6.00	5.26	.00	.00	.00	95.01	3.96	1.02
1.001	39444.00	12.80	2.73	.00	.00	.00	72.07	18.76	9.17
1.001	29645.00	6.00	5.67	.00	.00	.00	95.01	3.96	1.02
1.001	42038.00	12.80	2.91	.00	.00	.00	72.07	18.76	9.17
1.001	33208.00	6.00	6.35	.00	.00	.00	95.01	3.96	1.02
1.001	46139.00	12.80	3.19	.00	.00	.00	72.07	18.76	9.17
1.002	27509.00	8.41	2.27	6000.00	.00	.00	71.25	21.60	7.14
1.002	39444.00	13.29	1.62	6000.00	.00	.00	54.40	33.43	12.17
1.002	29645.00	8.62	2.35	6000.00	.00	.00	70.18	22.40	7.42
1.002	42038.00	13.35	1.71	6000.00	.00	.00	54.23	33.54	12.23
*	1.002	33208.00	9.02	2.47	6000.00	.00	68.39	23.73	7.88
1.002	46139.00	13.45	1.85	6000.00	.00	.00	53.94	33.71	12.35
1.003	27509.00	9.28	3.34	4000.00	.00	.00	65.10	19.28	15.63
1.003	39444.00	13.54	2.52	4000.00	.00	.00	52.12	26.07	21.81
1.003	29645.00	9.52	3.45	4000.00	.00	.00	64.27	19.73	16.00
1.003	42038.00	13.63	2.66	4000.00	.00	.00	51.84	26.21	21.95
1.003	33208.00	9.94	3.61	4000.00	.00	.00	62.95	20.46	16.59
1.003	46139.00	13.78	2.86	4000.00	.00	.00	51.37	26.43	22.19
1.010	27509.00	10.07	5.11	1480.00	.00	.00	98.26	.00	1.74
1.010	39444.00	13.74	3.97	1480.00	.00	.00	88.77	1.03	10.20
1.010	29645.00	10.32	5.25	1480.00	.00	.00	97.81	.01	2.18
1.010	42038.00	13.85	4.17	1480.00	.00	.00	88.43	1.11	10.46
1.010	33208.00	10.73	5.44	1480.00	.00	.00	96.98	.04	2.98
1.010	46139.00	14.02	4.47	1480.00	.00	.00	87.87	1.24	10.90
1.020	22186.00	11.16	2.05	2200.00	.00	.00	33.10	61.09	5.81
1.020	31748.00	14.26	1.82	2200.00	.00	.00	28.09	62.67	9.24
1.020	24182.00	11.43	2.12	2200.00	.00	.00	32.52	61.33	6.15
1.020	34163.00	14.42	1.92	2200.00	.00	.00	27.91	62.71	9.39
1.020	26709.00	11.87	2.17	2200.00	.00	.00	31.67	61.65	6.68
1.020	37089.00	14.66	2.02	2200.00	.00	.00	27.62	62.76	9.62

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
1.030	22186.00	11.16	2.05	70.00	13.50	18.00	33.09	61.09	5.82
1.030	31748.00	15.40	1.57	70.00	13.50	18.00	26.73	62.87	10.39
1.030	24182.00	11.43	2.12	70.00	13.50	18.00	32.51	61.33	6.16
1.030	34163.00	15.74	1.63	70.00	13.50	18.00	26.35	62.90	10.75
1.030	26709.00	11.87	2.17	70.00	13.50	18.00	31.67	61.65	6.68
1.030	37089.00	16.21	1.67	70.00	13.50	18.00	25.84	62.92	11.24
1.032	22186.00	11.32	2.64	1000.00	.00	.00	69.14	.68	30.18
1.032	31748.00	15.44	2.15	1000.00	.00	.00	64.89	3.44	31.67
1.032	24182.00	11.60	2.75	1000.00	.00	.00	68.86	.88	30.26
1.032	34163.00	15.78	2.22	1000.00	.00	.00	64.41	3.70	31.89
1.032	26709.00	12.03	2.83	1000.00	.00	.00	68.41	1.19	30.40
1.032	37089.00	16.26	2.28	1000.00	.00	.00	63.46	4.18	32.36
1.038	22186.00	12.02	2.94	2300.00	.00	.00	60.23	13.03	26.75
1.038	31748.00	15.73	2.78	2300.00	.00	.00	56.69	15.30	28.00
1.038	24182.00	12.33	3.07	2300.00	.00	.00	59.85	13.26	26.89
1.038	34163.00	16.08	2.90	2300.00	.00	.00	56.42	15.51	28.07
1.038	26709.00	12.76	3.22	2300.00	.00	.00	59.36	13.57	27.07
1.038	37089.00	16.55	3.01	2300.00	.00	.00	56.05	15.80	28.15
1.040	22186.00	12.53	3.89	1700.00	.00	.00	77.80	.51	21.69
1.040	31748.00	15.99	3.03	1700.00	.00	.00	59.55	.71	39.75
1.040	24182.00	12.85	3.97	1700.00	.00	.00	75.49	.53	23.98
1.040	34163.00	16.35	3.10	1700.00	.00	.00	58.16	.75	41.08
1.040	26709.00	13.29	4.02	1700.00	.00	.00	72.59	.56	26.85
1.040	37089.00	16.83	3.13	1700.00	.00	.00	56.27	.89	42.84
1.050	22186.00	12.74	3.53	400.00	.00	.00	67.73	31.79	.48
1.050	31748.00	16.05	3.46	400.00	.00	.00	62.88	33.58	3.55
1.050	24182.00	13.05	3.70	400.00	.00	.00	67.28	32.08	.64
1.050	34163.00	16.40	3.58	400.00	.00	.00	62.17	33.58	4.25
1.050	26709.00	13.47	3.88	400.00	.00	.00	66.69	32.43	.88
1.050	37089.00	16.87	3.68	400.00	.00	.00	60.99	33.52	5.49
1.060	22186.00	13.29	4.26	1450.00	.00	.00	71.11	2.72	26.17
1.060	31748.00	16.38	4.40	1450.00	.00	.00	69.19	4.58	26.22
1.060	24182.00	13.63	4.47	1450.00	.00	.00	70.94	2.88	26.18
1.060	34163.00	16.74	4.57	1450.00	.00	.00	68.81	4.95	26.24
1.060	26709.00	14.06	4.70	1450.00	.00	.00	70.72	3.08	26.21
1.060	37089.00	17.21	4.74	1450.00	.00	.00	68.23	5.49	26.28
1.070	22186.00	13.88	2.28	1600.00	.00	.00	89.65	9.53	.82
1.070	31748.00	16.87	2.43	1600.00	.00	.00	88.61	9.96	1.43
1.070	24182.00	14.25	2.38	1600.00	.00	.00	89.52	9.59	.89
1.070	34163.00	17.25	2.53	1600.00	.00	.00	88.47	10.01	1.52
1.070	26709.00	14.72	2.50	1600.00	.00	.00	89.36	9.66	.98
1.070	37089.00	17.74	2.63	1600.00	.00	.00	88.29	10.07	1.64

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
1.080	22186.00	14.05	3.11	1000.00	.00	.00	78.74	11.13	10.13
1.080	31748.00	16.99	3.22	1000.00	.00	.00	74.59	12.28	13.13
1.080	24182.00	14.42	3.24	1000.00	.00	.00	78.16	11.30	10.54
1.080	34163.00	17.37	3.32	1000.00	.00	.00	73.63	12.38	13.99
1.080	26709.00	14.89	3.38	1000.00	.00	.00	77.46	11.50	11.04
1.080	37089.00	17.87	3.37	1000.00	.00	.00	71.64	12.42	15.94
1.090	22186.00	14.68	2.88	2300.00	.00	.00	59.60	.64	39.76
1.090	31748.00	17.47	2.87	2300.00	.00	.00	53.85	.89	45.27
1.090	24182.00	15.07	2.96	2300.00	.00	.00	58.63	.68	40.69
1.090	34163.00	17.87	2.96	2300.00	.00	.00	53.21	.96	45.84
1.090	26709.00	15.56	3.06	2300.00	.00	.00	57.51	.72	41.77
1.090	37089.00	18.36	3.04	2300.00	.00	.00	52.41	1.14	46.45
1.100	22186.00	15.01	5.58	1500.00	.00	.00	66.62	5.79	27.59
1.100	31748.00	17.65	6.01	1500.00	.00	.00	60.58	6.75	32.67
1.100	24182.00	15.39	5.82	1500.00	.00	.00	65.62	5.94	28.44
1.100	34163.00	18.05	6.19	1500.00	.00	.00	59.55	7.15	33.30
1.100	26709.00	15.86	6.09	1500.00	.00	.00	64.43	6.12	29.44
1.100	37089.00	18.54	6.30	1500.00	.00	.00	57.61	8.54	33.85
1.105	22186.00	15.87	1.94	2800.00	.00	.00	47.59	39.27	13.14
1.105	31748.00	18.45	2.00	2800.00	.00	.00	42.59	41.40	16.01
1.105	24182.00	16.28	2.00	2800.00	.00	.00	46.76	39.63	13.61
1.105	34163.00	18.87	2.04	2800.00	.00	.00	41.80	41.73	16.47
1.105	26709.00	16.80	2.06	2800.00	.00	.00	45.76	40.05	14.19
1.105	37089.00	19.36	2.10	2800.00	.00	.00	40.87	42.10	17.02
1.110	22377.00	15.66	4.75	50.00	.00	.00	97.10	.24	2.66
1.110	32133.00	18.31	4.52	50.00	.00	.00	77.67	6.03	16.30
1.110	24627.00	16.07	4.94	50.00	.00	.00	94.68	.69	4.63
1.110	34812.00	18.73	4.57	50.00	.00	.00	74.48	7.36	18.16
1.110	27279.00	16.58	5.07	50.00	.00	.00	91.09	1.54	7.38
1.110	37712.00	19.23	4.56	50.00	.00	.00	70.81	9.01	20.18
1.120	22377.00	15.83	4.65	45.00	12.40	15.30	96.17	.40	3.43
1.120	32133.00	18.31	4.52	45.00	12.40	15.30	77.66	6.03	16.30
1.120	24627.00	16.16	4.88	45.00	12.40	15.30	94.08	.82	5.10
1.120	34812.00	18.73	4.57	45.00	12.40	15.30	74.48	7.36	18.16
1.120	27279.00	16.60	5.05	45.00	12.40	15.30	90.96	1.57	7.47
1.120	37712.00	19.23	4.56	45.00	12.40	15.30	70.81	9.01	20.19
1.130	22377.00	15.82	5.13	50.00	.00	.00	89.95	7.00	3.05
1.130	32133.00	18.37	4.43	50.00	.00	.00	67.42	20.85	11.73
1.130	24627.00	16.16	5.32	50.00	.00	.00	87.45	8.74	3.82
1.130	34812.00	18.79	4.41	50.00	.00	.00	63.95	22.83	13.22
1.130	27279.00	16.62	5.38	50.00	.00	.00	83.35	11.35	5.30
1.130	37712.00	19.30	4.32	50.00	.00	.00	60.15	24.97	14.87

SECND	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	DCHP	QLOBP	QROBP
1.140	22377.00	16.84	2.74	2000.00	.00	.00	47.86	44.48	7.66
1.140	32133.00	19.06	3.08	2000.00	.00	.00	43.35	48.64	8.01
1.140	24627.00	17.22	2.88	2000.00	.00	.00	47.01	45.28	7.71
1.140	34812.00	19.47	3.20	2000.00	.00	.00	42.62	49.28	8.10
1.140	27279.00	17.68	3.03	2000.00	.00	.00	46.04	46.19	7.76
1.140	37712.00	19.95	3.31	2000.00	.00	.00	41.78	49.99	8.22
1.150	22377.00	17.18	2.62	1700.00	.00	.00	34.78	49.96	15.27
1.150	32133.00	19.42	2.85	1700.00	.00	.00	30.89	53.49	15.62
1.150	24627.00	17.58	2.74	1700.00	.00	.00	34.13	50.50	15.37
1.150	34812.00	19.84	2.92	1700.00	.00	.00	30.02	54.28	15.71
1.150	27279.00	18.06	2.87	1700.00	.00	.00	33.35	51.18	15.46
1.150	37712.00	20.32	2.97	1700.00	.00	.00	28.96	55.25	15.79
1.160	22377.00	17.67	2.64	2380.00	.00	.00	39.74	30.95	29.31
1.160	32133.00	19.91	3.02	2380.00	.00	.00	36.57	31.54	31.89
1.160	24627.00	18.10	2.78	2380.00	.00	.00	39.10	31.09	29.81
1.160	34812.00	20.34	3.14	2380.00	.00	.00	35.97	31.58	32.45
1.160	27279.00	18.60	2.92	2380.00	.00	.00	38.37	31.24	30.39
1.160	37712.00	20.82	3.24	2380.00	.00	.00	35.27	31.63	33.10
1.170	21469.00	18.13	3.34	2000.00	.00	.00	93.30	6.70	.00
1.170	30742.00	20.38	3.62	2000.00	.00	.00	85.56	14.43	.02
1.170	23703.00	18.59	3.49	2000.00	.00	.00	91.99	8.01	.00
1.170	33413.00	20.83	3.72	2000.00	.00	.00	83.65	16.29	.06
1.170	26246.00	19.11	3.63	2000.00	.00	.00	90.36	9.64	.00
1.170	36193.00	21.32	3.77	2000.00	.00	.00	81.26	18.61	.13
1.180	21469.00	18.21	4.19	200.00	.00	.00	84.13	7.80	8.07
1.180	30742.00	20.47	4.03	200.00	.00	.00	65.74	16.84	17.42
1.180	23703.00	18.67	4.28	200.00	.00	.00	80.35	9.66	9.99
1.180	33413.00	20.94	4.03	200.00	.00	.00	62.23	18.57	19.21
1.180	26246.00	19.20	4.33	200.00	.00	.00	76.02	11.79	12.19
1.180	36193.00	21.45	3.96	200.00	.00	.00	58.11	21.00	20.89
1.190	21469.00	18.20	5.49	30.00	14.50	16.60	93.41	3.66	2.93
1.190	30742.00	20.60	3.95	30.00	14.50	16.60	64.80	17.30	17.90
1.190	23703.00	19.00	4.04	30.00	14.50	16.60	77.65	10.99	11.36
1.190	33413.00	21.04	3.96	30.00	14.50	16.60	61.43	19.00	19.57
1.190	26246.00	19.46	4.13	30.00	14.50	16.60	73.88	12.84	13.28
1.190	36193.00	21.54	3.89	30.00	14.50	16.60	57.42	21.41	21.17
1.200	21469.00	18.73	3.12	50.00	.00	.00	91.54	8.46	.00
1.200	30742.00	20.61	3.53	50.00	.00	.00	84.54	15.42	.04
1.200	23703.00	19.10	3.28	50.00	.00	.00	90.31	9.69	.00
1.200	33413.00	21.06	3.62	50.00	.00	.00	82.59	17.32	.09
1.200	26246.00	19.53	3.45	50.00	.00	.00	88.78	11.22	.00
1.200	36193.00	21.55	3.67	50.00	.00	.00	80.01	19.81	.18

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	GCHP	QLOBP	DROBP
1.210	21469.00	19.85	4.32	3220.00	.00	.00	46.78	38.60	14.62
1.210	30742.00	21.83	4.87	3220.00	.00	.00	40.99	41.20	17.81
1.210	23703.00	20.30	4.52	3220.00	.00	.00	45.52	39.12	15.35
1.210	33413.00	22.28	4.99	3220.00	.00	.00	39.60	41.92	18.48
1.210	26246.00	20.80	4.72	3220.00	.00	.00	44.10	39.71	16.19
1.210	36193.00	22.76	5.09	3220.00	.00	.00	38.17	42.69	19.14
1.220	21469.00	20.61	2.14	3700.00	.00	.00	36.25	.00	63.75
1.220	30742.00	22.67	2.46	3700.00	.00	.00	32.14	.12	67.74
1.220	23703.00	21.10	2.24	3700.00	.00	.00	35.20	.01	64.80
1.220	33413.00	23.15	2.54	3700.00	.00	.00	31.27	.20	68.54
1.220	26246.00	21.64	2.34	3700.00	.00	.00	34.11	.02	65.86
1.220	36193.00	23.64	2.62	3700.00	.00	.00	30.41	.31	69.29
1.230	21266.00	21.12	7.05	2800.00	.00	.00	49.63	19.53	30.84
1.230	30444.00	23.36	7.98	2800.00	.00	.00	44.28	22.01	33.71
1.230	23524.00	21.64	7.39	2800.00	.00	.00	48.46	20.18	31.36
1.230	33145.00	23.80	8.18	2800.00	.00	.00	42.66	22.17	35.17
1.230	26155.00	22.45	7.58	2800.00	.00	.00	46.68	21.15	32.17
1.230	36078.00	24.26	8.32	2800.00	.00	.00	40.73	22.14	37.13
1.240	21266.00	25.17	3.20	2270.00	.00	.00	40.24	4.91	54.85
1.240	30444.00	27.27	3.27	2270.00	.00	.00	33.37	11.71	54.92
1.240	23524.00	25.75	3.24	2270.00	.00	.00	38.50	6.72	54.78
1.240	33145.00	27.70	3.30	2270.00	.00	.00	31.78	12.98	55.24
1.240	26155.00	26.42	3.24	2270.00	.00	.00	36.30	8.91	54.79
1.240	36078.00	28.11	3.33	2270.00	.00	.00	30.23	14.12	55.65
1.250	21266.00	26.39	2.91	2000.00	.00	.00	25.98	41.78	32.23
1.250	30444.00	28.41	3.10	2000.00	.00	.00	21.22	47.93	30.85
1.250	23524.00	26.95	2.96	2000.00	.00	.00	24.59	43.55	31.86
1.250	33145.00	28.84	3.18	2000.00	.00	.00	20.30	49.14	30.56
1.250	26155.00	27.58	3.01	2000.00	.00	.00	23.09	45.48	31.42
1.250	36078.00	29.25	3.26	2000.00	.00	.00	19.46	50.25	30.29
1.260	21266.00	27.32	1.66	4000.00	.00	.00	43.16	6.79	50.05
1.260	30444.00	29.41	1.93	4000.00	.00	.00	38.93	11.49	49.57
1.260	23524.00	27.91	1.74	4000.00	.00	.00	42.08	7.74	50.18
1.260	33145.00	29.88	2.00	4000.00	.00	.00	37.85	13.01	49.14
1.260	26155.00	28.55	1.81	4000.00	.00	.00	40.82	9.10	50.08
1.260	36078.00	30.32	2.06	4000.00	.00	.00	36.62	14.84	48.54
1.270	13332.00	27.69	2.40	2600.00	.00	.00	45.57	14.60	39.83
1.270	19358.00	29.83	2.61	2600.00	.00	.00	37.65	19.17	43.18
1.270	14685.00	28.29	2.44	2600.00	.00	.00	43.28	15.75	40.97
1.270	21006.00	30.30	2.64	2600.00	.00	.00	35.88	20.48	43.64
1.270	16435.00	28.94	2.50	2600.00	.00	.00	40.84	17.13	42.03
1.270	23170.00	30.76	2.72	2600.00	.00	.00	34.18	21.82	44.00

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
1.280	13332.00	27.70	2.40	50.00	.00	.00	45.57	14.60	39.83
1.280	19358.00	29.84	2.61	50.00	.00	.00	37.65	19.17	43.18
1.280	14685.00	28.30	2.44	50.00	.00	.00	43.28	15.75	40.97
1.280	21006.00	30.31	2.64	50.00	.00	.00	35.88	20.48	43.64
1.280	16435.00	28.95	2.50	50.00	.00	.00	40.84	17.13	42.03
1.280	23170.00	30.77	2.72	50.00	.00	.00	34.18	21.82	44.00
1.290	13332.00	27.63	4.64	25.00	22.80	25.20	67.03	6.01	26.96
1.290	19358.00	29.83	3.34	25.00	22.80	25.20	37.91	19.45	42.64
1.290	14685.00	28.25	4.23	25.00	22.80	25.20	57.64	9.29	33.08
1.290	21006.00	30.30	3.09	25.00	22.80	25.20	33.14	22.81	44.05
1.290	16435.00	28.92	3.82	25.00	22.80	25.20	48.40	13.48	38.12
1.290	23170.00	30.77	2.92	25.00	22.80	25.20	29.13	25.86	45.01
1.300	13332.00	27.91	2.33	50.00	.00	.00	44.74	15.00	40.26
1.300	19358.00	29.90	2.58	50.00	.00	.00	37.40	19.34	43.26
1.300	14685.00	28.45	2.39	50.00	.00	.00	42.68	16.07	41.25
1.300	21006.00	30.36	2.62	50.00	.00	.00	35.67	20.65	43.69
1.300	16435.00	29.05	2.46	50.00	.00	.00	40.42	17.38	42.19
1.300	23170.00	30.81	2.71	50.00	.00	.00	34.01	21.95	44.03
1.305	13332.00	28.56	3.00	2750.00	.00	.00	46.15	28.15	25.70
1.305	19358.00	30.53	2.87	2750.00	.00	.00	35.41	36.94	27.64
1.305	14685.00	29.09	2.98	2750.00	.00	.00	43.44	30.61	25.94
1.305	21006.00	30.96	2.78	2750.00	.00	.00	32.59	38.10	29.31
1.305	16435.00	29.69	2.97	2750.00	.00	.00	40.49	33.34	26.18
1.305	23170.00	31.41	2.73	2750.00	.00	.00	29.86	38.97	31.17
1.310	13332.00	30.71	2.99	2725.00	.00	.00	62.71	15.45	21.84
1.310	19358.00	32.38	3.22	2725.00	.00	.00	51.27	20.70	28.03
1.310	14685.00	31.16	3.04	2725.00	.00	.00	59.46	16.85	23.69
1.310	21006.00	32.72	3.29	2725.00	.00	.00	49.15	21.78	29.07
1.310	16435.00	31.68	3.10	2725.00	.00	.00	55.86	18.48	25.66
1.310	23170.00	33.12	3.39	2725.00	.00	.00	46.86	22.98	30.16
1.315	13332.00	32.01	1.88	3000.00	.00	.00	60.06	15.06	24.87
1.315	19358.00	33.74	2.10	3000.00	.00	.00	51.03	19.43	29.53
1.315	14685.00	32.46	1.93	3000.00	.00	.00	57.53	16.27	26.20
1.315	21006.00	34.12	2.16	3000.00	.00	.00	49.34	20.27	30.38
1.315	16435.00	33.00	1.99	3000.00	.00	.00	54.73	17.62	27.65
1.315	23170.00	34.56	2.23	3000.00	.00	.00	47.40	21.25	31.36
1.320	13332.00	33.58	3.04	3850.00	.00	.00	78.13	6.02	15.85
1.320	19358.00	35.45	3.39	3850.00	.00	.00	66.84	9.56	23.60
1.320	14685.00	34.06	3.13	3850.00	.00	.00	75.35	6.88	17.78
1.320	21006.00	35.86	3.46	3850.00	.00	.00	64.15	10.41	25.43
1.320	16435.00	34.63	3.24	3850.00	.00	.00	72.02	7.91	20.07
1.320	23170.00	36.35	3.54	3850.00	.00	.00	61.17	11.36	27.47

	SECNO	Q	CMSSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
	1.330	12066.00	34.30	2.92	1800.00	.00	.00	53.43	13.30	33.27
	1.330	17779.00	36.17	3.15	1800.00	.00	.00	43.42	16.63	39.95
	1.330	13494.00	34.79	3.03	1800.00	.00	.00	50.88	14.14	34.98
	1.330	19489.00	36.59	3.23	1800.00	.00	.00	41.47	17.26	41.27
	1.330	15125.00	35.36	3.08	1800.00	.00	.00	47.72	15.20	37.08
	1.330	21394.00	37.08	3.28	1800.00	.00	.00	39.36	17.93	42.71
	1.340	12066.00	34.31	2.92	50.00	.00	.00	53.39	13.31	33.29
	1.340	17779.00	36.19	3.15	50.00	.00	.00	43.38	16.64	39.98
	1.340	13494.00	34.81	3.02	50.00	.00	.00	50.85	14.15	35.00
	1.340	19489.00	36.60	3.23	50.00	.00	.00	41.44	17.27	41.29
	1.340	15125.00	35.38	3.08	50.00	.00	.00	47.68	15.21	37.11
	1.340	21394.00	37.09	3.28	50.00	.00	.00	39.33	17.94	42.73
	1.350	12066.00	33.91	6.66	42.00	31.50	34.10	100.00	.00	.00
	1.350	17779.00	35.41	9.22	42.00	31.50	34.10	93.86	4.64	1.51
	1.350	13494.00	34.30	7.45	42.00	31.50	34.10	99.97	.03	.00
	1.350	19489.00	36.14	8.04	42.00	31.50	34.10	75.45	13.89	10.66
	1.350	15125.00	34.72	8.31	42.00	31.50	34.10	99.46	.47	.08
	1.350	21394.00	36.87	6.51	42.00	31.50	34.10	58.55	19.17	22.28
†	1.360	12066.00	34.62	2.78	50.00	.00	.00	51.76	13.85	34.39
†	1.360	17779.00	36.73	2.89	49.99	.00	.00	40.88	17.45	41.67
†	1.360	13494.00	35.19	2.83	50.00	.00	.00	48.70	14.87	36.44
†	1.360	19489.00	36.97	3.04	50.00	.00	.00	39.82	17.79	42.39
†	1.360	15125.00	35.85	2.83	50.00	.00	.00	45.08	16.08	38.85
†	1.360	21394.00	37.32	3.16	50.00	.00	.00	38.39	18.24	43.37
	1.365	12066.00	35.27	2.79	2700.00	.00	.00	55.26	39.17	5.56
	1.365	17779.00	37.36	3.19	2700.00	.00	.00	48.40	44.65	6.95
	1.365	13494.00	35.85	2.91	2700.00	.00	.00	53.31	40.77	5.92
	1.365	19489.00	37.66	3.37	2700.00	.00	.00	47.47	45.35	7.18
	1.365	15125.00	36.48	3.02	2700.00	.00	.00	51.21	42.46	6.33
	1.365	21394.00	38.05	3.53	2700.00	.00	.00	46.28	46.24	7.48
	1.370	7386.00	35.91	2.62	2300.00	.00	.00	51.65	28.82	19.53
	1.370	11219.00	38.03	2.73	2300.00	.00	.00	40.57	35.09	24.34
	1.370	8388.00	36.50	2.67	2300.00	.00	.00	48.25	30.68	21.07
	1.370	12491.00	38.38	2.86	2300.00	.00	.00	39.01	36.03	24.96
	1.370	9342.00	37.13	2.66	2300.00	.00	.00	44.87	32.59	22.55
	1.370	13882.00	38.82	2.96	2300.00	.00	.00	37.21	37.12	25.66
	1.380	7386.00	35.69	5.15	50.00	.00	.00	100.00	.00	.00
†	1.380	11219.00	37.57	6.92	50.00	.00	.00	100.00	.00	.00
	1.380	8388.00	36.22	5.64	50.00	.00	.00	100.00	.00	.00
†	1.380	12491.00	37.82	7.58	50.00	.00	.00	100.00	.00	.00
†	1.380	9342.00	36.80	6.05	50.00	.00	.00	100.00	.00	.00
†	1.380	13882.00	38.14	8.27	50.00	.00	.00	100.00	.00	.00

SECNO	Ø	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
1.390	7386.00	35.64	5.93	26.00	37.30	39.00	100.00	.00	.00
1.390	11219.00	37.47	8.05	26.00	37.30	39.00	100.00	.00	.00
1.390	8388.00	36.16	6.49	26.00	37.30	39.00	100.00	.00	.00
1.390	12491.00	37.68	8.96	26.00	37.30	39.00	100.00	.00	.00
1.390	9342.00	36.73	6.96	26.00	37.30	39.00	100.00	.00	.00
1.390	13882.00	37.93	9.96	26.00	37.30	39.00	100.00	.00	.00
1.400	7386.00	36.21	2.48	50.00	.00	.00	49.86	29.80	20.35
1.400	11219.00	38.55	2.50	50.00	.00	.00	38.33	36.44	25.23
1.400	8388.00	36.85	2.51	50.00	.00	.00	46.40	31.72	21.88
1.400	12491.00	39.02	2.58	49.99	.00	.00	36.44	37.60	25.96
1.400	9342.00	37.52	2.48	50.00	.00	.00	42.97	33.68	23.35
1.400	13882.00	39.59	2.61	49.99	.00	.00	34.29	38.95	26.76
1.410	7386.00	36.96	4.93	1775.00	.00	.00	73.65	3.59	22.76
1.410	11219.00	39.16	4.59	1775.00	.00	.00	56.78	13.93	29.29
1.410	8388.00	37.57	4.90	1775.00	.00	.00	68.97	6.13	24.90
1.410	12491.00	39.64	4.60	1775.00	.00	.00	53.42	16.29	30.29
1.410	9342.00	38.18	4.75	1775.00	.00	.00	64.15	9.05	26.80
1.410	13882.00	40.19	4.51	1775.00	.00	.00	49.44	19.23	31.33
1.420	7386.00	37.45	4.00	200.00	.00	.00	91.12	5.15	3.73
1.420	11219.00	39.43	3.80	200.00	.00	.00	77.83	12.85	9.32
1.420	8388.00	37.99	3.96	200.00	.00	.00	87.45	7.27	5.28
1.420	12491.00	39.89	3.83	200.00	.00	.00	74.92	14.54	10.55
1.420	9342.00	38.54	3.87	200.00	.00	.00	83.80	9.39	6.81
1.420	13882.00	40.41	3.78	200.00	.00	.00	70.83	16.91	12.25
1.430	7386.00	38.35	5.26	250.00	.00	.00	81.28	9.01	9.71
1.430	11219.00	39.90	4.46	250.00	.00	.00	69.92	14.48	15.60
1.430	8388.00	38.74	5.06	250.00	.00	.00	78.15	10.52	11.33
1.430	12491.00	40.31	4.31	250.00	.00	.00	66.43	16.17	17.40
1.430	9342.00	39.15	4.80	250.00	.00	.00	75.04	12.02	12.94
1.430	13882.00	40.78	4.14	250.00	.00	.00	62.93	17.92	19.15
1.431	7386.00	40.64	2.30	1000.00	.00	.00	63.89	17.39	18.73
1.431	11219.00	41.64	2.63	1000.00	.00	.00	57.59	20.42	21.99
1.431	8388.00	40.90	2.41	1000.00	.00	.00	61.99	18.30	19.71
1.431	12491.00	41.93	2.72	1000.00	.00	.00	56.06	21.16	22.78
1.431	9342.00	41.15	2.50	1000.00	.00	.00	60.38	19.08	20.54
1.431	13882.00	42.26	2.80	1000.00	.00	.00	54.51	21.90	23.58
1.432	7386.00	41.44	1.26	2000.00	.00	.00	53.21	38.43	8.36
1.432	11219.00	42.51	1.49	2000.00	.00	.00	49.11	40.52	10.36
1.432	8388.00	41.73	1.33	2000.00	.00	.00	51.99	39.11	8.90
1.432	12491.00	42.82	1.55	2000.00	.00	.00	48.08	40.96	10.97
1.432	9342.00	42.00	1.39	2000.00	.00	.00	50.95	39.65	9.40
1.432	13882.00	43.15	1.61	2000.00	.00	.00	47.03	41.35	11.62

SECNO	D	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
1.433	7386.00	41.85	1.36	2000.00	.00	.00	31.57	32.06	36.36
1.433	11219.00	42.96	1.56	2000.00	.00	.00	27.72	33.15	39.13
1.433	8388.00	42.16	1.42	2000.00	.00	.00	30.36	32.39	37.25
1.433	12491.00	43.28	1.62	2000.00	.00	.00	26.83	33.40	39.77
1.433	9342.00	42.44	1.47	2000.00	.00	.00	29.35	32.69	37.96
1.433	13882.00	43.62	1.67	2000.00	.00	.00	25.97	33.63	40.40
1.434	7386.00	42.52	2.15	2000.00	.00	.00	28.06	19.82	52.12
1.434	11219.00	43.64	2.33	2000.00	.00	.00	24.62	21.03	54.34
1.434	8388.00	42.84	2.20	2000.00	.00	.00	26.95	20.22	52.84
1.434	12491.00	43.96	2.38	2000.00	.00	.00	23.84	21.30	54.86
1.434	9342.00	43.12	2.25	2000.00	.00	.00	26.05	20.54	53.41
1.434	13882.00	44.30	2.43	2000.00	.00	.00	23.09	21.58	55.32
1.435	7386.00	44.91	4.17	2000.00	.00	.00	13.78	57.56	28.66
1.435	11219.00	45.78	4.38	2000.00	.00	.00	10.90	58.96	30.14
1.435	8388.00	45.15	4.25	2000.00	.00	.00	12.87	58.08	29.05
1.435	12491.00	46.04	4.42	2000.00	.00	.00	10.24	59.36	30.40
1.435	9342.00	45.37	4.30	2000.00	.00	.00	12.10	58.39	29.51
1.435	13882.00	46.31	4.44	2000.00	.00	.00	9.60	59.87	30.52
1.436	7386.00	46.95	2.59	2400.00	.00	.00	16.91	66.55	16.54
1.436	11219.00	47.88	2.91	2400.00	.00	.00	13.95	66.46	19.59
1.436	8388.00	47.22	2.68	2400.00	.00	.00	15.94	66.66	17.40
1.436	12491.00	48.13	2.99	2400.00	.00	.00	13.27	66.25	20.48
1.436	9342.00	47.45	2.76	2400.00	.00	.00	15.17	66.66	18.17
1.436	13882.00	48.39	3.08	2400.00	.00	.00	12.62	66.00	21.37
1.437	7386.00	47.43	1.30	1900.00	.00	.00	68.81	10.23	20.96
1.437	11219.00	48.47	1.65	1900.00	.00	.00	65.17	12.11	22.72
1.437	8388.00	47.73	1.40	1900.00	.00	.00	67.72	10.75	21.52
1.437	12491.00	48.76	1.75	1900.00	.00	.00	64.24	12.63	23.13
1.437	9342.00	48.00	1.49	1900.00	.00	.00	66.81	11.21	21.98
1.437	13882.00	49.05	1.86	1900.00	.00	.00	63.33	13.16	23.51
1.440	5103.00	47.89	1.38	3600.00	.00	.00	25.72	26.36	47.92
1.440	7792.00	49.06	1.61	3600.00	.00	.00	22.61	28.60	48.79
1.440	5850.00	48.23	1.46	3600.00	.00	.00	24.72	27.06	48.22
1.440	8719.00	49.39	1.68	3600.00	.00	.00	21.87	29.15	48.98
1.440	6572.00	48.53	1.52	3600.00	.00	.00	23.91	27.64	48.45
1.440	9730.00	49.72	1.75	3600.00	.00	.00	21.17	29.69	49.14
1.450	5103.00	47.59	5.59	50.00	.00	.00	100.00	.00	.00
†	1.450	7792.00	48.46	7.62	50.00	.00	100.00	.00	.00
†	1.450	5850.00	47.85	6.18	50.00	.00	100.00	.00	.00
†	1.450	8719.00	48.67	8.31	49.99	.00	100.00	.00	.00
†	1.450	6572.00	48.07	6.75	50.00	.00	100.00	.00	.00
1.450	9730.00	49.73	1.74	50.00	.00	.00	21.16	29.70	49.14

	SECNO	D	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
	1.460	5103.00	47.68	5.70	26.00	47.90	49.50	100.00	.00	.00
†	1.460	7792.00	48.59	7.94	26.00	47.90	49.50	100.00	.00	.00
	1.460	5850.00	47.99	6.34	26.00	47.90	49.50	100.00	.00	.00
†	1.460	8719.00	48.75	9.27	26.00	47.90	49.50	100.00	.00	.00
†	1.460	6572.00	48.20	6.85	26.00	47.90	49.50	100.00	.00	.00
	1.460	9730.00	48.55	10.55	26.00	47.90	49.50	100.00	.00	.00
	1.470	5103.00	48.24	1.27	50.00	.00	.00	24.70	27.08	48.22
†	1.470	7792.00	49.67	1.41	50.00	.00	.00	21.29	29.60	49.11
†	1.470	5850.00	48.67	1.31	50.00	.00	.00	23.56	27.90	48.54
†	1.470	8719.00	50.21	1.41	49.99	.00	.00	20.13	30.52	49.35
†	1.470	6572.00	49.00	1.37	50.00	.00	.00	22.76	28.48	48.75
†	1.470	9730.00	50.45	1.50	50.00	.00	.00	19.61	30.98	49.41
	1.475	5103.00	48.48	1.80	1300.00	.00	.00	12.30	17.39	70.31
	1.475	7792.00	49.90	2.04	1300.00	.00	.00	10.62	18.51	70.87
	1.475	5850.00	48.91	1.87	1300.00	.00	.00	11.73	17.78	70.50
	1.475	8719.00	50.43	2.05	1300.00	.00	.00	10.07	18.76	71.17
	1.475	6572.00	49.24	1.96	1300.00	.00	.00	11.33	18.05	70.63
	1.475	9730.00	50.69	2.18	1300.00	.00	.00	9.81	18.83	71.37
	1.480	5103.00	50.31	3.54	4000.00	.00	.00	86.83	6.25	6.92
	1.480	7792.00	51.63	3.49	4000.00	.00	.00	74.86	11.81	13.33
	1.480	5850.00	50.71	3.53	4000.00	.00	.00	83.19	8.10	8.70
	1.480	8719.00	52.04	3.44	4000.00	.00	.00	71.25	13.21	15.54
	1.480	6572.00	51.06	3.52	4000.00	.00	.00	79.99	9.61	10.40
	1.480	9730.00	52.38	3.48	4000.00	.00	.00	68.38	14.26	17.36
	1.485	5103.00	53.39	3.48	2000.00	.00	.00	32.19	53.32	14.49
	1.485	7792.00	54.26	3.93	2000.00	.00	.00	27.23	56.11	16.66
	1.485	5850.00	53.66	3.63	2000.00	.00	.00	30.54	54.28	15.18
	1.485	8719.00	54.51	4.04	2000.00	.00	.00	26.02	56.75	17.23
	1.485	6572.00	53.89	3.75	2000.00	.00	.00	29.16	55.05	15.79
	1.485	9730.00	54.78	4.15	2000.00	.00	.00	24.88	57.31	17.81
	1.491	4803.00	54.51	3.15	2050.00	.00	.00	54.19	29.66	16.14
	1.491	7262.00	55.40	3.18	2050.00	.00	.00	39.81	35.36	24.83
	1.491	5627.00	54.81	3.24	2050.00	.00	.00	49.06	32.19	18.75
	1.491	8280.00	55.67	3.23	2050.00	.00	.00	36.44	36.18	27.38
	1.491	6360.00	55.05	3.27	2050.00	.00	.00	45.04	33.88	21.09
	1.491	9289.00	55.94	3.23	2050.00	.00	.00	33.40	36.80	29.80
	1.492	4803.00	54.40	5.89	200.00	.00	.00	100.00	.00	.00
†	1.492	7262.00	54.99	8.34	200.00	.00	.00	100.00	.00	.00
†	1.492	5627.00	54.59	6.75	200.00	.00	.00	100.00	.00	.00
†	1.492	8280.00	55.11	9.38	199.99	.00	.00	100.00	.00	.00
†	1.492	6360.00	54.76	7.49	200.00	.00	.00	100.00	.00	.00
†	1.492	9289.00	55.22	10.41	200.00	.00	.00	100.00	.00	.00

	SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
	1.493	4803.00	54.48	5.84	40.00	58.40	59.90	100.00	.00	.00
	1.493	7262.00	55.22	8.14	40.00	58.40	59.90	100.00	.00	.00
	1.493	5627.00	54.71	6.66	40.00	58.40	59.90	100.00	.00	.00
	1.493	8280.00	55.44	9.07	40.00	58.40	59.90	100.00	.00	.00
	1.493	6360.00	54.92	7.36	40.00	58.40	59.90	100.00	.00	.00
	1.493	9289.00	55.68	9.93	40.00	58.40	59.90	100.00	.00	.00
	1.494	4803.00	54.72	4.80	20.00	.00	.00	100.00	.00	.00
	1.494	7262.00	55.76	6.40	20.00	.00	.00	100.00	.00	.00
	1.494	5627.00	55.05	5.40	20.00	.00	.00	100.00	.00	.00
	1.494	8280.00	56.15	6.99	20.00	.00	.00	100.00	.00	.00
	1.494	6360.00	55.34	5.89	20.00	.00	.00	100.00	.00	.00
	1.494	9289.00	56.58	7.49	20.00	.00	.00	100.00	.00	.00
	1.495	4803.00	54.75	4.78	40.00	58.90	59.90	100.00	.00	.00
	1.495	7262.00	55.81	6.37	40.00	58.90	59.90	100.00	.00	.00
	1.495	5627.00	55.08	5.38	40.00	58.90	59.90	100.00	.00	.00
	1.495	8280.00	56.21	6.94	40.00	58.90	59.90	100.00	.00	.00
	1.495	6360.00	55.38	5.86	40.00	58.90	59.90	100.00	.00	.00
	1.495	9289.00	56.65	7.44	40.00	58.90	59.90	100.00	.00	.00
#	1.496	4803.00	54.40	8.86	50.00	.00	.00	100.00	.00	.00
#	1.496	7262.00	55.11	12.18	50.00	.00	.00	100.00	.00	.00
#	1.496	5627.00	54.62	10.07	49.99	.00	.00	100.00	.00	.00
#	1.496	8280.00	55.33	13.51	50.00	.00	.00	100.00	.00	.00
#	1.496	6360.00	54.82	11.09	49.99	.00	.00	100.00	.00	.00
#	1.496	9289.00	55.58	14.69	50.00	.00	.00	100.00	.00	.00
#	1.497	4803.00	54.95	8.23	10.00	58.50	61.00	100.00	.00	.00
#	1.497	7262.00	57.27	9.56	10.00	58.50	61.00	100.00	.00	.00
#	1.497	5627.00	55.79	8.69	10.00	58.50	61.00	100.00	.00	.00
#	1.497	8280.00	58.10	10.06	10.00	58.50	61.00	100.00	.00	.00
#	1.497	6360.00	56.48	9.09	10.00	58.50	61.00	100.00	.00	.00
#	1.497	9289.00	58.86	10.55	10.00	58.50	61.00	100.00	.00	.00
#	1.498	4803.00	55.18	10.83	200.00	.00	.00	99.93	.07	.00
#	1.498	7262.00	58.77	4.98	199.99	.00	.00	46.29	51.42	2.29
#	1.498	5627.00	56.60	8.91	200.00	.00	.00	84.55	15.34	.10
#	1.498	8280.00	59.81	3.85	199.99	.00	.00	34.49	59.03	6.48
#	1.498	6360.00	57.75	6.36	200.00	.00	.00	60.95	37.99	1.06
#	1.498	9289.00	60.76	2.57	200.00	.00	.00	22.24	61.22	16.54
#	1.525	4803.00	62.10	4.50	4125.00	.00	.00	63.50	5.72	30.79
#	1.525	7262.00	62.40	6.03	4125.00	.00	.00	57.86	6.42	35.72
#	1.525	5627.00	62.46	4.57	4125.00	.00	.00	56.81	6.55	36.64
#	1.525	8280.00	62.43	6.81	4125.00	.00	.00	57.39	6.48	36.14
#	1.525	6360.00	62.33	5.42	4125.00	.00	.00	59.05	6.27	34.68
#	1.525	9289.00	63.69	4.94	4125.00	.00	.00	41.13	8.41	50.46

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
1.530	3013.00	62.45	.81	2400.00	.00	.00	30.43	41.66	27.90
1.530	4542.00	62.96	1.03	2400.00	.00	.00	26.57	42.45	30.98
1.530	3025.00	62.78	.73	2400.00	.00	.00	27.85	42.22	29.93
1.530	4562.00	63.11	.98	2400.00	.00	.00	25.61	42.60	31.79
1.530	3709.00	62.79	.89	2400.00	.00	.00	27.79	42.23	29.98
1.530	5719.00	64.02	.91	2400.00	.00	.00	20.22	43.16	36.63
1.540	3013.00	62.46	.66	1000.00	.00	.00	22.50	38.52	38.97
1.540	4542.00	62.98	.78	1000.00	.00	.00	18.65	40.44	40.91
1.540	3025.00	62.79	.57	1000.00	.00	.00	19.90	39.82	40.28
1.540	4562.00	63.12	.74	1000.00	.00	.00	17.83	40.85	41.32
1.540	3709.00	62.81	.69	1000.00	.00	.00	19.79	39.87	40.34
1.540	5719.00	64.03	.67	1000.00	.00	.00	13.94	42.78	43.28
1.541	3013.00	62.41	3.11	100.00	.00	.00	79.72	10.08	10.20
1.541	4542.00	62.95	2.89	100.00	.00	.00	51.79	23.96	24.25
1.541	3025.00	62.77	2.26	100.00	.00	.00	59.79	19.99	20.22
1.541	4562.00	63.10	2.56	100.00	.00	.00	46.40	26.64	26.96
1.541	3709.00	62.78	2.76	100.00	.00	.00	59.48	20.14	20.38
1.541	5719.00	64.03	1.69	100.00	.00	.00	26.63	36.47	36.90
1.542	3013.00	62.76	2.29	35.00	62.00	62.10	60.60	19.58	19.82
1.542	4542.00	63.83	1.51	35.00	62.00	62.10	29.34	35.12	35.54
1.542	3025.00	63.15	1.62	35.00	62.00	62.10	44.54	27.56	27.90
1.542	4562.00	64.00	1.37	35.00	62.00	62.10	26.96	36.30	36.74
1.542	3709.00	63.36	1.70	35.00	62.00	62.10	38.75	30.44	30.81
1.542	5719.00	65.36	.90	35.00	62.00	62.10	15.86	41.82	42.32
1.543	3013.00	62.81	1.57	200.00	.00	.00	54.53	20.08	25.39
1.543	4542.00	63.84	1.51	200.00	.00	.00	38.01	27.38	34.62
1.543	3025.00	63.17	1.35	200.00	.00	.00	48.09	22.92	28.99
1.543	4562.00	64.00	1.41	200.00	.00	.00	36.00	28.26	35.74
1.543	3709.00	63.38	1.51	200.00	.00	.00	44.71	24.41	30.87
1.543	5719.00	65.36	.99	200.00	.00	.00	22.50	33.35	44.14
1.550	3013.00	62.97	1.50	2305.00	.00	.00	47.50	23.18	29.32
1.550	4542.00	63.97	1.42	2305.00	.00	.00	32.98	29.60	37.43
1.550	3025.00	63.28	1.30	2305.00	.00	.00	42.17	25.54	32.29
1.550	4562.00	64.11	1.34	2305.00	.00	.00	31.21	30.11	38.67
1.550	3709.00	63.50	1.43	2305.00	.00	.00	38.83	27.01	34.16
1.550	5719.00	65.40	.95	2305.00	.00	.00	19.94	34.53	45.53
1.560	3013.00	63.06	.72	2640.00	.00	.00	19.99	10.98	69.02
1.560	4542.00	64.05	.74	2640.00	.00	.00	15.34	14.70	69.96
1.560	3025.00	63.35	.64	2640.00	.00	.00	18.36	12.10	69.54
1.560	4562.00	64.18	.72	2640.00	.00	.00	14.91	15.15	69.94
1.560	3709.00	63.59	.72	2640.00	.00	.00	17.19	13.01	69.80
1.560	5719.00	65.44	.62	2640.00	.00	.00	11.64	19.47	68.90

	SECNO	Q	CMSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
†	1.561	3013.00	62.45	9.81	100.00	.00	.00	100.00	.00	.00
†	1.561	4542.00	62.68	14.37	100.00	.00	.00	100.00	.00	.00
†	1.561	3025.00	62.76	9.48	100.01	.00	.00	100.00	.00	.00
†	1.561	4562.00	62.86	14.13	100.00	.00	.00	100.00	.00	.00
†	1.561	3709.00	62.70	11.71	100.00	.00	.00	100.00	.00	.00
†	1.561	5719.00	63.71	16.04	100.00	.00	.00	100.00	.00	.00
	1.562	3013.00	62.68	9.53	30.00	65.10	66.00	100.00	.00	.00
†	1.562	4542.00	66.92	3.58	30.00	65.10	66.00	39.05	30.27	30.68
	1.562	3025.00	62.97	9.25	30.00	65.10	66.00	100.00	.00	.00
†	1.562	4562.00	66.92	3.59	30.00	65.10	66.00	39.08	30.26	30.66
	1.562	3709.00	63.12	11.14	30.00	65.10	66.00	100.00	.00	.00
†	1.562	5719.00	67.68	2.23	30.00	65.10	66.00	20.66	39.40	39.94
†	1.563	3013.00	64.48	4.06	199.99	.00	.00	100.00	.00	.00
	1.563	4542.00	67.01	2.50	200.00	.00	.00	54.49	22.62	22.89
†	1.563	3025.00	64.65	3.99	199.99	.00	.00	100.00	.00	.00
	1.563	4562.00	67.01	2.51	200.00	.00	.00	54.49	22.62	22.89
†	1.563	3709.00	65.57	4.39	200.00	.00	.00	100.00	.00	.00
	1.563	5719.00	67.70	1.94	200.00	.00	.00	35.93	31.85	32.22
	1.570	3013.00	65.73	3.93	2070.00	.00	.00	100.00	.00	.00
	1.570	4542.00	67.33	1.98	2070.00	.00	.00	40.49	29.58	29.93
	1.570	3025.00	65.85	3.89	2070.00	.00	.00	100.00	.00	.00
	1.570	4562.00	67.33	1.99	2070.00	.00	.00	40.43	29.61	29.96
	1.570	3709.00	66.65	2.90	2070.00	.00	.00	67.09	16.36	16.55
	1.570	5719.00	67.89	1.71	2070.00	.00	.00	29.46	35.07	35.48
	1.580	3013.00	67.29	4.35	2400.00	.00	.00	100.00	.00	.00
†	1.580	4542.00	68.69	5.13	2400.00	.00	.00	93.56	3.20	3.24
	1.580	3025.00	67.36	4.32	2400.00	.00	.00	100.00	.00	.00
†	1.580	4562.00	68.70	5.11	2400.00	.00	.00	92.96	3.50	3.54
	1.580	3709.00	67.59	5.14	2400.00	.00	.00	100.00	.00	.00
†	1.580	5719.00	69.28	3.91	2400.00	.00	.00	60.70	19.53	19.76
	1.590	3013.00	69.01	4.13	2400.00	.00	.00	100.00	.00	.00
	1.590	4542.00	70.50	3.91	2400.00	.00	.00	75.48	12.19	12.33
	1.590	3025.00	69.06	4.12	2400.00	.00	.00	100.00	.00	.00
	1.590	4562.00	70.51	3.93	2400.00	.00	.00	75.38	12.24	12.38
	1.590	3709.00	69.80	4.61	2400.00	.00	.00	100.00	.00	.00
	1.590	5719.00	70.59	4.60	2400.00	.00	.00	71.04	14.40	14.56
	1.600	4545.00	71.53	5.93	2800.00	.00	.00	100.00	.00	.00
	1.600	6574.00	72.50	5.75	2800.00	.00	.00	75.48	12.19	12.33
	1.600	4545.00	71.56	5.91	2800.00	.00	.00	100.00	.00	.00
	1.600	6574.00	72.51	5.73	2800.00	.00	.00	75.27	12.30	12.44
	1.600	5892.00	72.39	5.71	2800.00	.00	.00	82.41	8.75	8.85
	1.600	8263.00	72.83	5.40	2800.00	.00	.00	58.48	20.64	20.88

SECNO	Q	CMSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP	
-1.220	7586.00	20.61	.55	.00	.00	.00	99.97	.00	.02	
-1.220	10427.00	22.67	.65	.00	.00	.00	98.79	.31	.91	
-1.220	8405.00	21.10	.58	.00	.00	.00	99.86	.02	.12	
-1.220	11284.00	23.15	.68	.00	.00	.00	98.22	.53	1.25	
-1.220	9195.00	21.64	.61	.00	.00	.00	99.60	.07	.33	
-1.220	12094.00	23.64	.70	.00	.00	.00	97.51	.84	1.65	
2.020	7586.00	20.61	2.01	1800.01	.00	.00	99.95	.01	.04	
2.020	10427.00	22.68	2.24	1800.00	.00	.00	97.58	.57	1.85	
2.020	8405.00	21.11	2.12	1800.01	.00	.00	99.75	.06	.19	
2.020	11284.00	23.16	2.29	1800.01	.00	.00	96.16	1.13	2.71	
2.020	9195.00	21.65	2.20	1800.01	.00	.00	99.28	.16	.56	
2.020	12094.00	23.65	2.31	1800.01	.00	.00	93.74	2.54	3.73	
2.030	7586.00	21.23	2.03	2150.00	.00	.00	100.00	.00	.00	
2.030	10427.00	23.22	2.10	2150.00	.00	.00	98.89	.33	.78	
2.030	8405.00	21.73	2.08	2150.00	.00	.00	99.92	.02	.06	
2.030	11284.00	23.69	2.14	2150.00	.00	.00	98.26	.60	1.14	
2.030	9195.00	22.26	2.11	2150.00	.00	.00	99.68	.10	.23	
2.030	12094.00	24.16	2.15	2150.00	.00	.00	97.30	1.15	1.56	
2.040	7586.00	21.46	1.32	1000.00	.00	.00	99.45	.38	.16	
2.040	10427.00	23.41	1.45	1000.00	.00	.00	96.04	2.71	1.24	
2.040	8405.00	21.96	1.38	1000.00	.00	.00	98.88	.79	.33	
2.040	11284.00	23.88	1.49	1000.00	.00	.00	94.91	3.44	1.65	
2.040	9195.00	22.47	1.42	1000.00	.00	.00	98.02	1.39	.59	
2.040	12094.00	24.34	1.51	1000.00	.00	.00	93.71	4.18	2.11	
‡	2.051	7962.00	21.51	6.73	650.00	.00	.00	100.00	.00	.00
‡	2.051	10669.00	23.45	7.13	650.00	.00	.00	100.00	.00	.00
‡	2.051	8878.00	22.00	7.04	650.00	.00	.00	100.00	.00	.00
‡	2.051	11588.00	23.91	7.36	650.00	.00	.00	100.00	.00	.00
‡	2.051	9693.00	22.52	7.22	650.00	.00	.00	100.00	.00	.00
‡	2.051	12372.00	24.36	7.48	650.00	.00	.00	100.00	.00	.00
2.052	7962.00	21.77	6.51	36.00	27.00	28.00	100.00	.00	.00	
2.052	10669.00	23.72	6.92	36.00	27.00	28.00	100.00	.00	.00	
2.052	8878.00	22.29	6.80	36.00	27.00	28.00	100.00	.00	.00	
2.052	11588.00	24.20	7.13	36.00	27.00	28.00	100.00	.00	.00	
2.052	9693.00	22.81	6.97	36.00	27.00	28.00	100.00	.00	.00	
2.052	12372.00	24.66	7.25	36.00	27.00	28.00	100.00	.00	.00	
2.053	7962.00	22.33	4.27	180.00	.00	.00	100.00	.00	.00	
2.053	10669.00	24.30	4.72	180.00	.00	.00	99.75	.23	.02	
2.053	8878.00	22.89	4.50	180.00	.00	.00	100.00	.00	.00	
2.053	11588.00	24.81	4.88	180.00	.00	.00	99.08	.61	.31	
2.053	9693.00	23.43	4.66	180.00	.00	.00	99.99	.01	.00	
2.053	12372.00	25.30	4.93	180.00	.00	.00	97.65	1.26	1.10	

	SECNO	D	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
	2.060	7962.00	22.96	2.56	1550.00	.00	.00	100.00	.00	.00
	2.060	10669.00	24.98	2.83	1550.00	.00	.00	100.00	.00	.00
	2.060	8878.00	23.56	2.69	1550.00	.00	.00	100.00	.00	.00
	2.060	11588.00	25.51	2.93	1550.00	.00	.00	99.97	.00	.03
	2.060	9693.00	24.13	2.78	1550.00	.00	.00	100.00	.00	.00
	2.060	12372.00	25.98	3.00	1550.00	.00	.00	99.79	.06	.15
†	2.070	7962.00	24.07	9.10	1400.00	.00	.00	67.92	5.69	26.39
	2.070	10669.00	25.36	7.08	1400.00	.00	.00	45.23	11.81	42.96
†	2.070	8878.00	24.23	9.44	1400.00	.00	.00	64.37	6.53	29.10
	2.070	11588.00	25.93	6.17	1400.00	.00	.00	38.42	14.28	47.31
†	2.070	9693.00	24.42	9.50	1400.00	.00	.00	60.57	7.47	31.96
	2.070	12372.00	26.41	5.55	1400.00	.00	.00	33.83	16.36	49.81
†	2.080	7962.00	26.92	5.58	1500.00	.00	.00	53.22	29.29	17.50
	2.080	10669.00	27.21	6.77	1500.00	.00	.00	49.43	31.26	19.31
†	2.080	8878.00	27.16	5.73	1500.00	.00	.00	50.07	30.94	19.00
	2.080	11588.00	27.41	6.87	1500.00	.00	.00	47.06	32.48	20.46
†	2.080	9693.00	27.36	5.84	1500.00	.00	.00	47.62	32.19	20.19
	2.080	12372.00	27.62	6.82	1500.00	.00	.00	44.63	33.70	21.67
	2.090	5843.00	28.37	3.97	2130.00	.00	.00	98.43	.02	1.55
	2.090	7905.00	29.11	4.47	2130.00	.00	.00	89.43	.33	10.24
	2.090	6765.00	28.66	4.31	2130.00	.00	.00	95.57	.09	4.34
	2.090	8868.00	29.34	4.67	2130.00	.00	.00	85.42	.56	14.02
	2.090	7192.00	28.87	4.35	2130.00	.00	.00	92.96	.18	6.86
	2.090	9312.00	29.50	4.67	2130.00	.00	.00	82.76	.75	16.49
	2.100	5843.00	29.13	3.62	1500.00	.00	.00	95.79	1.66	2.55
	2.100	7905.00	29.97	4.13	1500.00	.00	.00	88.54	4.84	6.62
	2.100	6765.00	29.51	3.89	1500.00	.00	.00	92.86	2.92	4.22
	2.100	8868.00	30.25	4.33	1500.00	.00	.00	85.24	6.37	8.39
	2.100	7192.00	29.71	3.97	1500.00	.00	.00	91.10	3.70	5.20
	2.100	9312.00	30.38	4.40	1500.00	.00	.00	83.64	7.12	9.25
	2.110	5843.00	29.76	3.47	1500.00	.00	.00	90.16	3.86	5.97
	2.110	7905.00	30.67	3.42	1500.00	.00	.00	72.67	10.88	16.45
	2.110	6765.00	30.19	3.47	1500.00	.00	.00	81.92	7.18	10.90
	2.110	8868.00	30.98	3.43	1500.00	.00	.00	67.17	13.05	19.79
	2.110	7192.00	30.40	3.43	1500.00	.00	.00	77.93	8.78	13.29
	2.110	9312.00	31.12	3.42	1500.00	.00	.00	64.69	13.98	21.33
	2.120	5843.00	30.33	3.29	1500.00	.00	.00	87.90	1.80	10.30
	2.120	7905.00	31.16	3.50	1500.00	.00	.00	75.67	3.73	20.61
	2.120	6765.00	30.73	3.41	1500.00	.00	.00	82.29	2.70	15.01
	2.120	8868.00	31.46	3.58	1500.00	.00	.00	71.17	4.40	24.43
	2.120	7192.00	30.91	3.44	1500.00	.00	.00	79.62	3.12	17.26
	2.120	9312.00	31.59	3.61	1500.00	.00	.00	69.21	4.69	26.10

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
2.131	4935.00	30.63	2.49	460.00	.00	.00	89.88	5.93	4.18
2.131	6698.00	31.57	2.34	460.00	.00	.00	69.83	19.24	10.93
2.131	5828.00	31.09	2.50	460.00	.00	.00	81.05	11.71	7.24
2.131	7610.00	31.89	2.31	460.00	.00	.00	63.04	23.59	13.36
2.131	6113.00	31.29	2.41	460.00	.00	.00	76.30	14.93	8.77
2.131	7924.00	32.03	2.26	460.00	.00	.00	60.30	25.28	14.42
2.132	4935.00	30.65	2.48	37.00	36.50	40.00	89.71	6.04	4.25
2.132	6698.00	31.58	2.33	37.00	36.50	40.00	69.76	19.28	10.96
2.132	5828.00	31.10	2.49	37.00	36.50	40.00	80.83	11.86	7.31
2.132	7610.00	31.90	2.31	37.00	36.50	40.00	63.01	23.61	13.38
2.132	6113.00	31.30	2.40	37.00	36.50	40.00	76.16	15.02	8.81
2.132	7924.00	32.04	2.26	37.00	36.50	40.00	60.29	25.29	14.43
2.133	4935.00	30.69	2.44	200.00	.00	.00	88.92	6.54	4.54
2.133	6698.00	31.61	2.30	200.00	.00	.00	68.95	19.82	11.24
2.133	5828.00	31.14	2.44	200.00	.00	.00	79.74	12.60	7.66
2.133	7610.00	31.93	2.27	200.00	.00	.00	62.33	24.04	13.63
2.133	6113.00	31.34	2.36	200.00	.00	.00	75.20	15.67	9.13
2.133	7924.00	32.07	2.23	200.00	.00	.00	59.67	25.66	14.68
2.140	4935.00	30.89	1.99	1070.00	.00	.00	68.86	10.60	20.53
2.140	6698.00	31.77	1.95	1070.00	.00	.00	54.04	16.70	29.26
2.140	5828.00	31.33	1.99	1070.00	.00	.00	60.93	13.77	25.30
2.140	7610.00	32.08	1.98	1070.00	.00	.00	49.77	18.63	31.61
2.140	6113.00	31.51	1.96	1070.00	.00	.00	58.03	14.98	26.99
2.140	7924.00	32.21	1.97	1070.00	.00	.00	48.09	19.42	32.49
2.150	4935.00	31.06	2.47	1450.00	.00	.00	79.83	9.34	10.84
2.150	6698.00	31.92	2.51	1450.00	.00	.00	65.39	15.86	18.75
2.150	5828.00	31.49	2.52	1450.00	.00	.00	72.35	12.68	14.96
2.150	7610.00	32.23	2.56	1450.00	.00	.00	60.56	18.13	21.31
2.150	6113.00	31.66	2.50	1450.00	.00	.00	69.53	13.96	16.50
2.150	7924.00	32.36	2.55	1450.00	.00	.00	58.68	19.02	22.30
2.160	4935.00	31.38	3.51	1500.00	.00	.00	97.82	1.40	.78
2.160	6698.00	32.21	3.77	1500.00	.00	.00	85.33	9.62	5.06
2.160	5828.00	31.80	3.72	1500.00	.00	.00	92.41	4.93	2.66
2.160	7610.00	32.52	3.83	1500.00	.00	.00	78.99	13.91	7.10
2.160	6113.00	31.96	3.73	1500.00	.00	.00	89.90	6.58	3.52
2.160	7924.00	32.64	3.81	1500.00	.00	.00	76.51	15.63	7.87
2.170	4935.00	32.21	3.71	1800.00	.00	.00	97.72	1.47	.81
2.170	6698.00	33.01	3.55	1800.00	.00	.00	76.14	15.40	8.46
2.170	5828.00	32.64	3.67	1800.00	.00	.00	86.70	8.57	4.73
2.170	7610.00	33.29	3.48	1800.00	.00	.00	67.89	20.74	11.37
2.170	6113.00	32.78	3.62	1800.00	.00	.00	82.77	11.10	6.12
2.170	7924.00	33.39	3.45	1800.00	.00	.00	65.27	22.44	12.29

SECNO	Q	CMSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
2.180	4935.00	33.16	3.63	1800.00	.00	.00	84.72	.15	15.12
2.180	6698.00	33.81	3.83	1800.00	.00	.00	71.54	2.08	26.38
2.180	5828.00	33.53	3.73	1800.00	.00	.00	77.20	1.06	21.74
2.180	7610.00	34.06	3.96	1800.00	.00	.00	66.89	3.10	30.01
2.180	6113.00	33.62	3.76	1800.00	.00	.00	75.17	1.40	23.43
2.180	7924.00	34.14	3.99	1800.00	.00	.00	65.33	3.50	31.17
2.191	3545.00	33.87	3.85	1300.00	.00	.00	100.00	.00	.00
2.191	5076.00	34.60	4.99	1300.00	.00	.00	100.00	.00	.00
2.191	4322.00	34.27	4.44	1300.00	.00	.00	100.00	.00	.00
2.191	6059.00	34.91	5.73	1300.00	.00	.00	100.00	.00	.00
2.191	4661.00	34.40	4.71	1300.00	.00	.00	100.00	.00	.00
2.191	6507.00	35.02	6.07	1300.00	.00	.00	100.00	.00	.00
2.192	3545.00	33.91	3.83	24.50	37.56	39.06	100.00	.00	.00
2.192	5076.00	34.67	4.95	24.50	37.56	39.06	100.00	.00	.00
2.192	4322.00	34.33	4.41	24.50	37.56	39.06	100.00	.00	.00
2.192	6059.00	35.01	5.66	24.50	37.56	39.06	100.00	.00	.00
2.192	4661.00	34.46	4.67	24.50	37.56	39.06	100.00	.00	.00
2.192	6507.00	35.14	5.99	24.50	37.56	39.06	100.00	.00	.00
2.193	3545.00	33.97	3.79	95.70	.00	.00	99.73	.27	.00
2.193	5076.00	34.90	4.20	95.70	.00	.00	87.33	3.00	9.68
2.193	4322.00	34.45	4.13	95.70	.00	.00	95.31	1.09	3.60
2.193	6059.00	35.41	4.14	95.70	.00	.00	76.66	6.83	16.51
2.193	4661.00	34.62	4.23	95.70	.00	.00	92.54	1.68	5.78
2.193	6507.00	35.61	4.09	95.70	.00	.00	72.26	8.66	19.08
‡	2.200	3545.00	35.26	6.40	200.00	.00	49.13	38.94	11.94
‡	2.200	5076.00	35.52	7.16	200.00	.00	40.02	45.94	14.03
‡	2.200	4322.00	35.45	6.45	200.00	.00	41.94	44.50	13.56
‡	2.200	6059.00	35.47	8.92	200.00	.00	41.46	44.87	13.67
‡	2.200	4661.00	35.53	6.52	200.00	.00	39.75	46.15	14.10
‡	2.200	6507.00	35.71	7.76	200.00	.00	34.85	49.69	15.46
2.210	3545.00	36.63	2.56	1554.00	.00	.00	20.28	59.69	20.03
2.210	5076.00	37.01	2.76	1554.00	.00	.00	16.22	59.66	24.13
2.210	4322.00	36.82	2.70	1554.00	.00	.00	18.04	59.78	22.17
‡	2.210	6059.00	36.90	3.58	1554.00	.00	17.31	59.76	22.93
2.210	4661.00	36.90	2.74	1554.00	.00	.00	17.24	59.76	23.00
2.210	6507.00	37.30	2.92	1554.00	.00	.00	13.98	59.07	26.95
2.221	280.00	36.84	3.00	800.00	.00	.00	100.00	.00	.00
2.221	401.00	37.23	4.09	800.00	.00	.00	100.00	.00	.00
2.221	413.00	37.04	4.31	800.00	.00	.00	100.00	.00	.00
2.221	583.00	37.27	5.92	800.00	.00	.00	100.00	.00	.00
2.221	508.00	37.10	5.26	800.00	.00	.00	100.00	.00	.00
‡	2.221	703.00	37.30	7.11	800.00	.00	100.00	.00	.00

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
2.222	280.00	37.48	2.77	240.00	34.04	38.00	100.00	.00	.00
2.222	401.00	38.07	.87	240.00	34.04	38.00	23.49	47.70	28.81
2.222	413.00	38.06	.90	240.00	34.04	38.00	23.61	47.67	28.72
2.222	583.00	38.14	1.21	240.00	34.04	38.00	22.60	47.92	29.48
2.222	508.00	38.10	1.08	240.00	34.04	38.00	23.05	47.81	29.14
2.222	703.00	38.18	1.42	240.00	34.04	38.00	22.13	48.03	29.84
2.223	280.00	37.67	.52	100.00	.00	.00	48.25	35.12	16.63
2.223	401.00	38.07	.57	100.00	.00	.00	39.85	38.31	21.84
2.223	413.00	38.06	.59	100.00	.00	.00	40.01	38.25	21.73
2.223	583.00	38.14	.80	100.00	.00	.00	38.72	38.71	22.57
2.223	508.00	38.11	.71	100.00	.00	.00	39.29	38.51	22.20
2.223	703.00	38.18	.95	100.00	.00	.00	38.12	38.92	22.96
2.230	280.00	37.66	1.20	290.00	.00	.00	93.51	6.49	.00
2.230	401.00	38.07	1.03	290.00	.00	.00	60.88	33.80	5.32
2.230	413.00	38.06	1.08	290.00	.00	.00	61.59	33.31	5.10
2.230	583.00	38.14	1.36	290.00	.00	.00	55.95	37.11	6.94
2.230	508.00	38.10	1.25	290.00	.00	.00	58.41	35.48	6.11
2.230	703.00	38.18	1.56	290.00	.00	.00	53.35	38.77	7.88
2.240	280.00	37.91	1.92	1475.00	.00	.00	100.00	.00	.00
2.240	401.00	38.25	2.51	1475.00	.00	.00	99.65	.35	.00
2.240	413.00	38.25	2.58	1475.00	.00	.00	99.63	.37	.00
2.240	583.00	38.44	3.44	1475.00	.00	.00	98.54	1.46	.00
2.240	508.00	38.36	3.07	1475.00	.00	.00	99.12	.88	.00
2.240	703.00	38.56	3.97	1475.00	.00	.00	97.32	2.68	.00
2.250	280.00	38.68	2.63	1500.00	.00	.00	100.00	.00	.00
2.250	401.00	39.37	3.09	1500.00	.00	.00	100.00	.00	.00
2.250	413.00	39.42	3.13	1500.00	.00	.00	100.00	.00	.00
2.250	583.00	40.16	3.65	1500.00	.00	.00	100.00	.00	.00
2.250	508.00	39.85	3.44	1500.00	.00	.00	100.00	.00	.00
2.250	703.00	40.63	3.93	1500.00	.00	.00	99.78	.22	.00
2.260	280.00	39.34	2.84	700.00	.00	.00	100.00	.00	.00
2.260	401.00	40.13	3.20	700.00	.00	.00	100.00	.00	.00
2.260	413.00	40.19	3.23	700.00	.00	.00	100.00	.00	.00
2.260	583.00	41.05	3.62	700.00	.00	.00	100.00	.00	.00
2.260	508.00	40.69	3.46	700.00	.00	.00	100.00	.00	.00
2.260	703.00	41.57	3.84	700.00	.00	.00	100.00	.00	.00
-1.315	4697.00	32.01	.73	.00	.00	.00	47.68	43.12	9.20
-1.315	6388.00	33.74	.75	.00	.00	.00	39.81	48.37	11.82
-1.315	5088.00	32.46	.74	.00	.00	.00	45.45	44.70	9.85
-1.315	6797.00	34.12	.75	.00	.00	.00	38.33	49.26	12.42
-1.315	5754.00	33.00	.76	.00	.00	.00	42.99	46.36	10.65
-1.315	7370.00	34.56	.76	.00	.00	.00	36.68	50.20	13.12

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
3.050	4697.00	32.11	3.91	4800.00	.00	.00	76.76	12.78	10.46
3.050	6388.00	33.88	2.65	4800.00	.00	.00	52.94	25.88	21.18
3.050	5088.00	32.59	3.46	4800.00	.00	.00	69.30	16.88	13.81
3.050	6797.00	34.25	2.48	4800.00	.00	.00	49.19	27.94	22.86
3.050	5754.00	33.13	3.15	4800.00	.00	.00	61.75	21.04	17.21
3.050	7370.00	34.69	2.32	4800.00	.00	.00	45.31	30.08	24.61
3.100	4697.00	35.58	1.73	3900.00	.00	.00	78.19	19.13	2.68
3.100	6388.00	36.12	1.99	3900.00	.00	.00	74.24	22.33	3.43
3.100	5088.00	35.70	1.80	3900.00	.00	.00	77.28	19.88	2.84
3.100	6797.00	36.27	2.04	3900.00	.00	.00	73.29	23.07	3.64
3.100	5754.00	35.92	1.90	3900.00	.00	.00	75.59	21.25	3.16
3.100	7370.00	36.48	2.08	3900.00	.00	.00	71.97	24.10	3.94
‡	3.110	3983.00	39.46	4.93	3150.00	.00	100.00	.00	.00
‡	3.110	5792.00	40.74	5.78	3150.00	.00	97.61	.00	2.39
‡	3.110	4309.00	39.74	5.11	3150.00	.00	100.00	.00	.00
‡	3.110	6263.00	40.99	5.89	3150.00	.00	95.18	.00	4.82
‡	3.110	5147.00	40.33	5.57	3150.00	.00	99.70	.00	.30
‡	3.110	7208.00	41.41	5.96	3150.00	.00	88.36	.00	11.64
3.120	3983.00	39.60	4.82	50.00	.00	.00	100.00	.00	.00
3.120	5792.00	40.92	5.53	50.00	.00	.00	95.86	.00	4.14
3.120	4309.00	39.89	4.99	50.00	.00	.00	100.00	.00	.00
3.120	6263.00	41.20	5.52	50.00	.00	.00	91.82	.00	8.18
3.120	5147.00	40.48	5.46	50.00	.00	.00	100.00	.00	.00
3.120	7208.00	41.62	5.54	50.00	.00	.00	84.45	.00	15.55
3.130	3983.00	39.60	6.42	43.00	38.70	40.70	100.00	.00	.00
3.130	5792.00	40.54	9.34	43.00	38.70	40.70	100.00	.00	.00
3.130	4309.00	39.83	6.95	43.00	38.70	40.70	100.00	.00	.00
3.130	6263.00	40.64	10.10	43.00	38.70	40.70	100.00	.00	.00
3.130	5147.00	40.29	8.30	43.00	38.70	40.70	100.00	.00	.00
‡	3.130	7208.00	41.66	7.13	43.00	38.70	80.42	.00	19.58
3.140	3983.00	40.16	4.42	50.00	.00	.00	99.95	.00	.05
‡	3.140	5792.00	41.96	3.97	50.02	.00	78.48	.00	21.52
3.140	4309.00	40.51	4.51	50.00	.00	.00	99.08	.00	.92
‡	3.140	6263.00	42.34	3.77	50.02	.00	72.12	.00	27.88
‡	3.140	5147.00	41.37	4.30	50.00	.00	88.98	.00	11.02
3.140	7208.00	42.30	4.40	50.00	.00	.00	72.78	.00	27.22
3.200	3983.00	41.06	1.09	1457.00	.00	.00	81.58	5.06	13.37
3.200	5792.00	42.57	1.07	1457.00	.00	.00	73.16	8.46	18.38
3.200	4309.00	41.38	1.08	1457.00	.00	.00	79.59	5.80	14.61
3.200	6263.00	42.88	1.08	1457.00	.00	.00	71.70	9.12	19.18
3.200	5147.00	42.09	1.07	1457.00	.00	.00	75.56	7.42	17.02
3.200	7208.00	43.00	1.21	1457.00	.00	.00	71.14	9.38	19.48

	SECNO	D	CMSL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
	3.210	3983.00	41.99	1.67	3400.00	.00	.00	15.82	12.23	71.95
	3.210	5792.00	43.19	1.60	3400.00	.00	.00	13.42	15.11	71.47
	3.210	4309.00	42.22	1.66	3400.00	.00	.00	15.28	12.89	71.83
	3.210	6263.00	43.47	1.60	3400.00	.00	.00	12.99	15.61	71.40
	3.210	5147.00	42.78	1.62	3400.00	.00	.00	14.13	14.28	71.59
	3.210	7208.00	43.69	1.72	3400.00	.00	.00	12.66	15.98	71.35
‡	3.220	3983.00	42.22	1.53	50.00	.00	.00	15.28	12.89	71.83
	3.220	5792.00	43.20	1.60	50.00	.00	.00	13.41	15.12	71.47
	3.220	4309.00	42.24	1.64	50.00	.00	.00	15.24	12.94	71.82
	3.220	6263.00	43.48	1.59	50.00	.00	.00	12.98	15.62	71.40
	3.220	5147.00	42.80	1.62	50.00	.00	.00	14.11	14.30	71.59
	3.220	7208.00	43.71	1.72	50.00	.00	.00	12.65	15.99	71.35
‡	3.230	3983.00	42.95	6.00	22.50	40.70	42.20	47.29	6.14	46.57
‡	3.230	5792.00	43.16	6.66	22.50	40.70	42.20	38.23	7.54	54.23
‡	3.230	4309.00	42.96	6.39	22.50	40.70	42.20	46.72	6.22	47.06
‡	3.230	6263.00	43.17	7.06	22.50	40.70	42.20	37.65	7.64	54.72
‡	3.230	5147.00	43.09	6.42	22.50	40.70	42.20	40.73	7.13	52.13
	3.230	7208.00	43.54	5.35	22.50	40.70	42.20	27.28	9.53	63.19
	3.240	3983.00	43.36	1.05	50.00	.00	.00	13.15	15.43	71.42
	3.240	5792.00	43.66	1.39	50.00	.00	.00	12.71	15.93	71.36
	3.240	4309.00	43.43	1.11	50.00	.00	.00	13.05	15.54	71.41
	3.240	6263.00	43.74	1.48	50.00	.00	.00	12.60	16.06	71.35
	3.240	5147.00	43.56	1.28	50.00	.00	.00	12.85	15.77	71.38
	3.240	7208.00	43.89	1.63	50.00	.00	.00	12.40	16.28	71.32
	3.300	3983.00	44.32	2.74	3377.50	.00	.00	94.89	3.73	1.38
	3.300	5792.00	45.07	3.05	3377.50	.00	.00	90.73	6.22	3.05
	3.300	4309.00	44.46	2.80	3377.50	.00	.00	94.14	4.19	1.67
	3.300	6263.00	45.24	3.10	3377.50	.00	.00	89.40	7.00	3.60
	3.300	5147.00	44.81	2.95	3377.50	.00	.00	92.26	5.31	2.42
	3.300	7208.00	45.57	3.20	3377.50	.00	.00	86.98	8.37	4.65
	3.310	2570.00	48.37	1.85	3500.00	.00	.00	49.56	17.29	33.14
	3.310	3726.00	49.15	1.65	3500.00	.00	.00	36.90	21.75	41.35
	3.310	2816.00	48.51	1.91	3500.00	.00	.00	48.23	17.76	34.01
	3.310	4080.00	49.29	1.72	3500.00	.00	.00	36.48	21.92	41.59
	3.310	3391.00	48.82	2.02	3500.00	.00	.00	45.43	18.75	35.81
	3.310	4760.00	49.55	1.82	3500.00	.00	.00	35.71	22.25	42.03
	3.320	2570.00	48.30	3.82	50.00	.00	.00	100.00	.00	.00
	3.320	3726.00	48.99	4.72	50.00	.00	.00	100.00	.00	.00
	3.320	2816.00	48.42	4.06	50.00	.00	.00	100.00	.00	.00
	3.320	4080.00	49.12	4.96	50.00	.00	.00	100.00	.00	.00
	3.320	3391.00	48.68	4.59	50.00	.00	.00	100.00	.00	.00
	3.320	4760.00	49.33	5.42	50.00	.00	.00	100.00	.00	.00

	SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
	3.330	2570.00	48.04	7.15	26.00	49.20	50.40	100.00	.00	.00
	3.330	3726.00	48.45	9.50	26.00	49.20	50.40	100.00	.00	.00
	3.330	2816.00	48.11	7.71	26.00	49.20	50.40	100.00	.00	.00
	3.330	4080.00	48.59	10.11	26.00	49.20	50.40	100.00	.00	.00
	3.330	3391.00	48.21	9.09	26.00	49.20	50.40	100.00	.00	.00
	3.330	4760.00	48.38	12.29	26.00	49.20	50.40	100.00	.00	.00
‡	3.340	2570.00	48.95	1.46	50.00	.00	.00	44.44	19.11	36.45
‡	3.340	3726.00	50.01	1.21	50.02	.00	.00	34.37	22.84	42.79
‡	3.340	2816.00	49.17	1.24	50.00	.00	.00	36.83	21.78	41.39
‡	3.340	4080.00	50.35	1.19	50.00	.00	.00	33.41	23.26	43.33
‡	3.340	3391.00	49.66	1.25	50.02	.00	.00	35.41	22.38	42.20
‡	3.340	4760.00	50.98	1.16	50.00	.00	.00	31.71	24.02	44.27
	3.400	2570.00	49.91	1.42	2574.00	.00	.00	89.82	4.58	5.60
	3.400	3726.00	50.82	1.52	2574.00	.00	.00	82.90	7.67	9.43
	3.400	2816.00	50.17	1.42	2574.00	.00	.00	87.89	5.45	6.66
	3.400	4080.00	51.08	1.54	2574.00	.00	.00	81.01	8.51	10.49
	3.400	3391.00	50.56	1.50	2574.00	.00	.00	84.80	6.83	8.37
	3.400	4760.00	51.58	1.55	2574.00	.00	.00	77.54	10.01	12.44
	3.500	1816.00	52.43	2.30	3200.00	.00	.00	100.00	.00	.00
	3.500	2630.00	52.89	2.37	3200.00	.00	.00	99.69	.00	.31
	3.500	2022.00	52.52	2.38	3200.00	.00	.00	100.00	.00	.00
	3.500	2929.00	53.05	2.39	3200.00	.00	.00	99.36	.00	.64
	3.500	2464.00	52.79	2.37	3200.00	.00	.00	99.85	.00	.15
	3.500	3547.00	53.34	2.45	3200.00	.00	.00	98.39	.03	1.57
	-1.360	2579.00	34.62	.44	.00	.00	.00	21.30	22.79	55.91
	-1.360	3768.00	36.73	.39	.00	.00	.00	15.32	28.47	56.21
	-1.360	2819.00	35.19	.42	.00	.00	.00	19.20	24.74	56.06
	-1.360	4114.00	36.97	.40	.00	.00	.00	14.88	28.92	56.21
	-1.360	3305.00	35.85	.41	.00	.00	.00	17.29	26.54	56.17
	-1.360	4688.00	37.32	.43	.00	.00	.00	14.28	29.53	56.19
	4.020	2579.00	34.59	2.03	790.00	.00	.00	99.66	.34	.00
	4.020	3768.00	36.69	2.07	790.00	.00	.00	86.77	12.71	.52
	4.020	2819.00	35.16	2.05	790.00	.00	.00	98.01	1.99	.00
	4.020	4114.00	36.93	2.14	790.00	.00	.00	84.15	14.79	1.06
	4.020	3305.00	35.81	2.15	790.00	.00	.00	94.25	5.75	.00
	4.020	4688.00	37.28	2.23	790.00	.00	.00	79.53	18.01	2.46
	4.300	2579.00	34.70	2.26	800.00	.00	.00	100.00	.00	.00
	4.300	3768.00	36.78	2.62	800.00	.00	.00	100.00	.00	.00
	4.300	2819.00	35.26	2.31	800.00	.00	.00	100.00	.00	.00
	4.300	4114.00	37.01	2.79	800.00	.00	.00	100.00	.00	.00
	4.300	3305.00	35.91	2.52	800.00	.00	.00	100.00	.00	.00
	4.300	4688.00	37.36	3.07	800.00	.00	.00	100.00	.00	.00

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	GLOBP	GROBP
4.300	2579.00	34.74	2.25	225.00	.00	.00	100.00	.00	.00
4.300	3768.00	36.82	2.61	225.00	.00	.00	100.00	.00	.00
4.300	2819.00	35.30	2.30	225.00	.00	.00	100.00	.00	.00
4.300	4114.00	37.06	2.78	225.00	.00	.00	100.00	.00	.00
4.300	3305.00	35.96	2.51	225.00	.00	.00	100.00	.00	.00
4.300	4688.00	37.42	3.05	225.00	.00	.00	100.00	.00	.00
4.310	2579.00	34.74	2.25	22.00	.00	.00	100.00	.00	.00
4.310	3768.00	36.82	2.61	22.00	.00	.00	100.00	.00	.00
4.310	2819.00	35.30	2.30	22.00	.00	.00	100.00	.00	.00
4.310	4114.00	37.06	2.78	22.00	.00	.00	100.00	.00	.00
4.310	3305.00	35.96	2.51	22.00	.00	.00	100.00	.00	.00
4.310	4688.00	37.42	3.05	22.00	.00	.00	100.00	.00	.00
4.320	2579.00	35.01	2.18	10.00	26.76	27.26	100.00	.00	.00
4.320	3768.00	37.15	2.52	10.00	26.76	27.26	100.00	.00	.00
4.320	2819.00	35.59	2.23	10.00	26.76	27.26	100.00	.00	.00
4.320	4114.00	37.41	2.68	10.00	26.76	27.26	100.00	.00	.00
4.320	3305.00	36.27	2.42	10.00	26.76	27.26	100.00	.00	.00
4.320	4688.00	37.80	2.94	10.00	26.76	27.26	100.00	.00	.00
4.330	2579.00	35.01	2.18	23.00	.00	.00	100.00	.00	.00
4.330	3768.00	37.15	2.52	23.00	.00	.00	100.00	.00	.00
4.330	2819.00	35.59	2.23	23.00	.00	.00	100.00	.00	.00
4.330	4114.00	37.41	2.68	23.00	.00	.00	100.00	.00	.00
4.330	3305.00	36.27	2.42	23.00	.00	.00	100.00	.00	.00
4.330	4688.00	37.80	2.94	23.00	.00	.00	100.00	.00	.00
4.400	2579.00	35.01	3.82	1220.00	.00	.00	100.00	.00	.00
4.400	3768.00	37.15	4.03	1220.00	.00	.00	100.00	.00	.00
4.400	2819.00	35.58	3.79	1220.00	.00	.00	100.00	.00	.00
4.400	4114.00	37.41	4.24	1220.00	.00	.00	100.00	.00	.00
4.400	3305.00	36.26	4.01	1220.00	.00	.00	100.00	.00	.00
4.400	4688.00	37.80	4.59	1220.00	.00	.00	100.00	.00	.00
4.500	2579.00	36.19	3.68	1550.00	.00	.00	100.00	.00	.00
4.500	3768.00	38.16	3.99	1550.00	.00	.00	100.00	.00	.00
4.500	2819.00	36.67	3.71	1550.00	.00	.00	100.00	.00	.00
4.500	4114.00	38.49	4.16	1550.00	.00	.00	100.00	.00	.00
4.500	3305.00	37.37	3.91	1550.00	.00	.00	100.00	.00	.00
4.500	4688.00	39.00	4.43	1550.00	.00	.00	100.00	.00	.00
4.060	2366.00	36.91	3.21	1100.00	.00	.00	100.00	.00	.00
4.060	3420.00	38.84	3.50	1100.00	.00	.00	100.00	.00	.00
4.060	2595.00	37.37	3.27	1100.00	.00	.00	100.00	.00	.00
4.060	3751.00	39.20	3.65	1100.00	.00	.00	100.00	.00	.00
4.060	3051.00	38.08	3.46	1100.00	.00	.00	100.00	.00	.00
4.060	4292.00	39.76	3.89	1100.00	.00	.00	100.00	.00	.00

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
4.070	2366.00	37.69	3.12	1550.00	.00	.00	100.00	.00	.00
4.070	3420.00	39.57	3.44	1550.00	.00	.00	100.00	.00	.00
4.070	2595.00	38.13	3.19	1550.00	.00	.00	100.00	.00	.00
4.070	3751.00	39.97	3.58	1550.00	.00	.00	100.00	.00	.00
4.070	3051.00	38.86	3.38	1550.00	.00	.00	100.00	.00	.00
4.070	4292.00	40.58	3.80	1550.00	.00	.00	100.00	.00	.00
4.080	2366.00	38.42	3.25	1450.00	.00	.00	100.00	.00	.00
4.080	3420.00	40.26	3.57	1450.00	.00	.00	100.00	.00	.00
4.080	2595.00	38.85	3.32	1450.00	.00	.00	100.00	.00	.00
4.080	3751.00	40.68	3.70	1450.00	.00	.00	100.00	.00	.00
4.080	3051.00	39.58	3.50	1450.00	.00	.00	100.00	.00	.00
4.080	4292.00	41.32	3.90	1450.00	.00	.00	100.00	.00	.00
4.090	2088.00	39.10	2.79	1400.00	.00	.00	100.00	.00	.00
4.090	3024.00	40.93	3.10	1400.00	.00	.00	100.00	.00	.00
4.090	2302.00	39.53	2.88	1400.00	.00	.00	100.00	.00	.00
4.090	3334.00	41.37	3.22	1400.00	.00	.00	100.00	.00	.00
4.090	2726.00	40.28	3.05	1400.00	.00	.00	100.00	.00	.00
4.090	3842.00	42.04	3.41	1400.00	.00	.00	100.00	.00	.00
4.091	2088.00	39.17	2.56	100.00	.00	.00	100.00	.00	.00
4.091	3024.00	40.99	2.90	100.00	.00	.00	100.00	.00	.00
4.091	2302.00	39.60	2.66	100.00	.00	.00	100.00	.00	.00
4.091	3334.00	41.43	3.03	100.00	.00	.00	100.00	.00	.00
4.091	2726.00	40.34	2.84	100.00	.00	.00	100.00	.00	.00
4.091	3842.00	42.11	3.22	100.00	.00	.00	100.00	.00	.00
4.092	2088.00	39.54	2.43	43.00	38.50	44.00	100.00	.00	.00
4.092	3024.00	41.85	2.61	43.00	38.50	44.00	100.00	.00	.00
4.092	2302.00	40.06	2.49	43.00	38.50	44.00	100.00	.00	.00
4.092	3334.00	42.50	2.67	43.00	38.50	44.00	100.00	.00	.00
4.092	2726.00	41.03	2.60	43.00	38.50	44.00	100.00	.00	.00
4.092	3842.00	43.56	2.75	43.00	38.50	44.00	100.00	.00	.00
4.093	2088.00	39.54	2.61	50.00	.00	.00	100.00	.00	.00
4.093	3024.00	41.86	2.75	50.00	.00	.00	100.00	.00	.00
4.093	2302.00	40.07	2.66	50.00	.00	.00	100.00	.00	.00
4.093	3334.00	42.50	2.80	50.00	.00	.00	100.00	.00	.00
4.093	2726.00	41.03	2.76	50.00	.00	.00	100.00	.00	.00
4.093	3842.00	43.56	2.87	50.00	.00	.00	100.00	.00	.00
4.100	2088.00	39.96	2.65	1300.00	.00	.00	100.00	.00	.00
4.100	3024.00	42.21	2.81	1300.00	.00	.00	100.00	.00	.00
4.100	2302.00	40.47	2.70	1300.00	.00	.00	100.00	.00	.00
4.100	3334.00	42.85	2.86	1300.00	.00	.00	100.00	.00	.00
4.100	2726.00	41.42	2.80	1300.00	.00	.00	100.00	.00	.00
4.100	3842.00	43.89	2.93	1300.00	.00	.00	100.00	.00	.00

SECNO	D	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
4.110	2088.00	40.36	2.90	1100.00	.00	.00	100.00	.00	.00
4.110	3024.00	42.55	3.05	1100.00	.00	.00	100.00	.00	.00
4.110	2302.00	40.86	2.96	1100.00	.00	.00	100.00	.00	.00
4.110	3334.00	43.17	3.10	1100.00	.00	.00	100.00	.00	.00
4.110	2726.00	41.78	3.05	1100.00	.00	.00	100.00	.00	.00
4.110	3842.00	44.19	3.16	1100.00	.00	.00	99.92	.00	.08
4.120	1522.00	40.72	2.00	956.00	.00	.00	100.00	.00	.00
4.120	2205.00	42.87	2.14	956.00	.00	.00	100.00	.00	.00
4.120	1685.00	41.21	2.06	956.00	.00	.00	100.00	.00	.00
4.120	2442.00	43.49	2.19	956.00	.00	.00	100.00	.00	.00
4.120	2001.00	42.13	2.14	956.00	.00	.00	100.00	.00	.00
4.120	2822.00	44.50	2.07	956.00	.00	.00	92.18	3.11	4.71
4.130	1522.00	41.05	2.23	1500.00	.00	.00	100.00	.00	.00
4.130	2205.00	43.15	2.35	1500.00	.00	.00	100.00	.00	.00
4.130	1685.00	41.53	2.28	1500.00	.00	.00	100.00	.00	.00
4.130	2442.00	43.76	2.39	1500.00	.00	.00	100.00	.00	.00
4.130	2001.00	42.44	2.35	1500.00	.00	.00	100.00	.00	.00
4.130	2822.00	44.71	1.95	1500.00	.00	.00	79.24	7.05	13.72
4.140	1522.00	41.50	2.46	1500.00	.00	.00	100.00	.00	.00
4.140	2205.00	43.52	2.56	1500.00	.00	.00	100.00	.00	.00
4.140	1685.00	41.97	2.50	1500.00	.00	.00	100.00	.00	.00
4.140	2442.00	44.12	2.61	1500.00	.00	.00	99.95	.00	.05
4.140	2001.00	42.84	2.58	1500.00	.00	.00	100.00	.00	.00
4.140	2822.00	44.93	2.46	1500.00	.00	.00	90.83	.00	9.17
4.150	1522.00	42.08	2.62	1500.00	.00	.00	100.00	.00	.00
4.150	2205.00	43.99	2.72	1500.00	.00	.00	100.00	.00	.00
4.150	1685.00	42.53	2.66	1500.00	.00	.00	100.00	.00	.00
4.150	2442.00	44.57	2.75	1500.00	.00	.00	99.47	.00	.53
4.150	2001.00	43.36	2.73	1500.00	.00	.00	100.00	.00	.00
4.150	2822.00	45.29	2.63	1500.00	.00	.00	91.49	.04	8.47
4.160	1522.00	42.30	2.51	500.00	.00	.00	100.00	.00	.00
4.160	2205.00	44.16	2.65	500.00	.00	.00	99.98	.00	.02
4.160	1685.00	42.74	2.56	500.00	.00	.00	100.00	.00	.00
4.160	2442.00	44.73	2.67	500.00	.00	.00	98.97	.00	1.03
4.160	2001.00	43.56	2.65	500.00	.00	.00	100.00	.00	.00
4.160	2822.00	45.44	2.46	500.00	.00	.00	87.15	.10	12.75

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION	SECNO=	1.002	PROFILE= 5	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.230	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.230	PROFILE= 4	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.230	PROFILE= 5	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.230	PROFILE= 6	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.360	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.360	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.360	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.360	PROFILE= 4	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.360	PROFILE= 5	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.380	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.380	PROFILE= 4	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.380	PROFILE= 5	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.380	PROFILE= 6	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.400	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.400	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.400	PROFILE= 4	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.400	PROFILE= 5	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.400	PROFILE= 6	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.450	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.450	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.450	PROFILE= 4	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.450	PROFILE= 5	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.460	PROFILE= 2	BRIDGE DECK DEFINITION ERROR
CAUTION	SECNO=	1.460	PROFILE= 4	BRIDGE DECK DEFINITION ERROR
CAUTION	SECNO=	1.460	PROFILE= 5	BRIDGE DECK DEFINITION ERROR
CAUTION	SECNO=	1.470	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.470	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.470	PROFILE= 4	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.470	PROFILE= 5	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.470	PROFILE= 6	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.492	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.492	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.492	PROFILE= 4	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.492	PROFILE= 5	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.492	PROFILE= 6	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.496	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.496	PROFILE= 2	INTERPOLATED XSECTIONS USED

CAUTION SECNO= 1.496 PROFILE= 3 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.496 PROFILE= 4 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.496 PROFILE= 5 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.496 PROFILE= 6 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 1.497 PROFILE= 1 HYDRAULIC JUMP D.S.
CAUTION SECNO= 1.497 PROFILE= 2 HYDRAULIC JUMP D.S.
CAUTION SECNO= 1.497 PROFILE= 3 HYDRAULIC JUMP D.S.
CAUTION SECNO= 1.497 PROFILE= 4 HYDRAULIC JUMP D.S.
CAUTION SECNO= 1.497 PROFILE= 5 HYDRAULIC JUMP D.S.
CAUTION SECNO= 1.497 PROFILE= 6 HYDRAULIC JUMP D.S.

CAUTION SECNO= 1.498 PROFILE= 1 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.498 PROFILE= 2 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.498 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 1.498 PROFILE= 3 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 1.498 PROFILE= 4 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.498 PROFILE= 5 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.498 PROFILE= 6 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 1.525 PROFILE= 1 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.525 PROFILE= 3 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.525 PROFILE= 6 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 1.561 PROFILE= 1 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.561 PROFILE= 2 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.561 PROFILE= 3 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.561 PROFILE= 4 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.561 PROFILE= 5 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.561 PROFILE= 6 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 1.562 PROFILE= 2 20 TRIALS OF E6 NOT ENOUGH
CAUTION SECNO= 1.562 PROFILE= 4 20 TRIALS OF E6 NOT ENOUGH
CAUTION SECNO= 1.562 PROFILE= 6 HYDRAULIC JUMP D.S.

CAUTION SECNO= 1.563 PROFILE= 1 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.563 PROFILE= 3 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.563 PROFILE= 5 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 1.580 PROFILE= 2 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.580 PROFILE= 4 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 1.580 PROFILE= 6 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 2.051 PROFILE= 1 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 2.051 PROFILE= 2 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 2.051 PROFILE= 3 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 2.051 PROFILE= 4 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 2.051 PROFILE= 5 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 2.051 PROFILE= 6 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 2.070 PROFILE= 1 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 2.070 PROFILE= 3 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 2.070 PROFILE= 5 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 2.080 PROFILE= 1 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 2.080 PROFILE= 3 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 2.080 PROFILE= 5 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 2.200 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2.200 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2.200 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2.200 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2.200 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2.200 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2.200 PROFILE= 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2.200 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2.200 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2.200 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2.200 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2.200 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 2.200 PROFILE= 5 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 2.200 PROFILE= 5 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 2.200 PROFILE= 5 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 2.210 PROFILE= 4 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 2.221 PROFILE= 6 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 3.110 PROFILE= 1 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.110 PROFILE= 2 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.110 PROFILE= 3 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.110 PROFILE= 4 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.110 PROFILE= 5 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.110 PROFILE= 6 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 3.130 PROFILE= 6 BRIDGE DECK DEFINITION ERROR

CAUTION SECNO= 3.140 PROFILE= 2 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.140 PROFILE= 4 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.140 PROFILE= 5 INTERPOLATED XSECTIONS USED

CAUTION SECNO= 3.220 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3.220 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3.220 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3.230 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3.230 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3.230 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3.230 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3.230 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3.230 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3.230 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 3.230 PROFILE= 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3.230 PROFILE= 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 3.230 PROFILE= 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3.230 PROFILE= 4 MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3.230 PROFILE= 5 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 3.230 PROFILE= 5 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 3.230 PROFILE= 5 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 3.340 PROFILE= 1 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.340 PROFILE= 2 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.340 PROFILE= 3 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.340 PROFILE= 4 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.340 PROFILE= 5 INTERPOLATED XSECTIONS USED
CAUTION SECNO= 3.340 PROFILE= 6 INTERPOLATED XSECTIONS USED

NC	.100	.100	.085	.100	.300	.000	.000	.000	.000	.000	.000
X1	1.315	14.000	1340.000	1600.000	2850.000	2850.000	3000.000	.000	.000	.000	.000
GR	35.000	.000	30.000	740.000	29.000	900.000	23.000	1100.000	26.000	1200.000	
BR	25.000	1300.000	20.000	1340.000	15.000	1375.000	12.500	1440.000	15.000	1505.000	
BR	20.000	1600.000	25.000	1725.000	30.000	2350.000	35.000	3200.000	.000	.000	
X1	1.320	10.000	1485.000	1690.000	2450.000	4550.000	3850.000	.000	.000	.000	
GR	35.000	1000.000	30.000	1425.000	25.000	1485.000	15.000	1510.000	15.000	1575.000	
BR	16.000	1660.000	25.000	1690.000	30.000	1870.000	35.000	2750.000	40.000	3110.000	
NC	.065	.065	.055	.000	.000	.000	.000	.000	.000	.000	.000
BT	6.000	12066.000	17779.000	13494.000	19489.000	15125.000	21394.000	.000	.000	.000	.000
X1	1.330	15.000	1510.000	1640.000	3000.000	500.000	1800.000	.000	.000	.000	.000
GR	35.000	1000.000	30.000	1425.000	25.000	1485.000	20.000	1510.000	17.000	1552.000	
BR	17.000	1553.000	15.500	1575.000	16.000	1594.000	16.000	1595.000	19.000	1640.000	
BR	20.000	1660.000	25.000	1690.000	30.000	1870.000	35.000	2750.000	40.000	3110.000	
X1	1.340	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	34.100	34.100	.000	.000
X1	1.350	.000	.000	.000	42.000	42.000	42.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	34.100	34.100	.000	.000
BT	20.000	1000.000	35.000	.000	1425.000	34.500	.000	1485.000	34.100	.000	.000
BT	1510.000	34.100	.000	1510.000	36.000	31.500	1552.000	36.000	31.500	1552.000	
BT	36.000	.000	1553.000	36.000	.000	1553.000	36.000	31.500	1594.000	36.000	
BT	31.500	1594.000	36.000	.000	1595.000	36.000	.000	1595.000	36.000	31.500	
BT	1640.000	36.000	31.500	1640.000	34.100	.000	1660.000	34.500	.000	1690.000	
BT	35.000	.000	1670.000	35.000	.000	2750.000	36.000	.000	3110.000	41.000	
BT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	1.360	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000	.000
X1	1.365	17.000	3450.000	3600.000	3400.000	1300.000	2700.000	.000	.000	.000	.000
BR	45.000	.000	44.000	1000.000	43.000	1200.000	42.000	1700.000	41.000	1550.000	
BR	40.000	2250.000	35.000	2820.000	30.000	3240.000	25.000	3350.000	20.000	3450.000	
BR	16.900	3500.000	16.900	3528.000	25.000	3600.000	30.000	3650.000	35.000	3700.000	
BR	40.000	4000.000	42.000	7000.000	.000	.000	.000	.000	.000	.000	.000
BT	6.000	7386.000	11219.000	8388.000	12491.000	9342.000	13882.000	.000	.000	.000	.000
X1	1.370	17.000	3520.000	3620.000	2100.000	2800.000	2300.000	.000	.000	.000	.000
BR	45.000	1000.000	40.000	2400.000	35.000	3095.000	30.000	3450.000	25.000	3500.000	
BR	23.600	3520.000	21.800	3545.000	21.800	3546.000	18.300	3570.000	18.300	3579.000	
BR	22.100	3595.000	22.100	3596.000	24.100	3620.000	25.000	3630.000	30.000	3660.000	
BR	35.000	3950.000	40.000	4250.000	.000	.000	.000	.000	.000	.000	.000
X1	1.380	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	39.000	39.000	.000	.000

X1	1.370	.000	.000	.000	26.000	26.000	26.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	39.000	39.000	.000
BT	23.000	1000.000	46.000	.000	2400.000	41.000	.000	3095.000	39.000	.000
BT	3450.000	39.000	.000	3520.000	39.000	.000	3520.000	40.300	37.300	3545.000
BT	40.300	37.300	3545.000	40.300	.000	3545.000	40.300	.000	3545.000	40.300
BT	37.300	3570.000	40.300	37.300	3570.000	40.300	.000	3579.000	40.300	.000
BT	3577.000	40.300	37.300	3595.000	40.300	37.300	3595.000	40.300	.000	3595.000
BT	40.300	.000	3595.000	40.300	37.300	3620.000	40.300	37.300	3620.000	39.000
BT	.000	3630.000	39.000	.000	3950.000	39.500	.000	4280.000	41.000	.000
X1	1.400	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X1	1.410	8.000	1690.000	1820.000	1775.000	1875.000	1775.000	.000	.000	.000
CI	-1.000	.001	.035	3.000	3.000	.010	.010	80.000	.000	.000
GR	40.000	1000.000	35.000	1690.000	30.000	1720.000	25.000	1770.000	25.000	1777.000
GR	30.000	1820.000	35.000	1945.000	40.000	2350.000	.000	.000	.000	.000
X1	1.420	7.000	1940.000	2250.000	175.000	150.000	200.000	.000	.000	.000
GR	45.000	1000.000	40.000	1430.000	35.000	1940.000	30.000	1990.000	30.000	2050.000
GR	35.000	2250.000	40.000	2620.000	.000	.000	.000	.000	.000	.000
NC	.065	.065	.055	.000	.000	.000	.000	.000	.000	.000
X1	1.430	6.000	1800.000	2200.000	200.000	200.000	250.000	.000	.000	.000
GR	45.000	1000.000	40.000	1410.000	36.000	1900.000	35.000	2070.000	36.000	2200.000
GR	40.000	2620.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	1.431	6.000	1900.000	2200.000	1000.000	1000.000	1000.000	.000	.000	.000
GR	50.000	100.000	45.000	1000.000	40.000	1410.000	36.000	1800.000	35.000	2070.000
GR	36.000	2200.000	40.000	2620.000	50.000	3500.000	.000	.000	.000	.000
NC	.060	.060	.055	.000	.000	.000	.000	.000	.000	.000
X1	1.432	10.000	1050.000	1600.000	2000.000	2000.000	2000.000	.000	.000	.000
GR	44.000	.000	42.000	100.000	40.000	200.000	38.000	520.000	36.000	1050.000
GR	36.000	1100.000	35.500	1400.000	36.000	1600.000	40.000	1800.000	45.000	2600.000
X1	1.433	12.000	1150.000	1400.000	2000.000	2000.000	2000.000	.000	.000	.000
GR	48.000	.000	46.000	200.000	44.000	280.000	42.000	380.000	40.000	550.000
GR	38.000	750.000	36.000	1150.000	34.000	1300.000	36.000	1400.000	40.000	2200.000
GR	45.000	2800.000	50.000	3600.000	.000	.000	.000	.000	.000	.000
X1	1.434	12.000	1080.000	1280.000	2000.000	2000.000	2000.000	.000	.000	.000
GR	50.000	.000	48.000	350.000	46.000	550.000	44.000	630.000	42.000	730.000
GR	40.000	850.000	38.000	1080.000	37.400	1150.000	38.000	1280.000	40.000	1900.000
GR	45.000	2600.000	50.000	3800.000	.000	.000	.000	.000	.000	.000
X1	1.435	9.000	1640.000	1680.000	2000.000	2000.000	2000.000	.000	.000	.000
GR	48.000	.000	46.000	500.000	44.000	1000.000	42.000	1380.000	40.000	1640.000
GR	37.600	1650.000	40.000	1680.000	45.000	2100.000	50.000	2600.000	.000	.000

BT	6.000	4863.000	7262.000	5627.000	8250.000	6360.000	9289.000	.000	.000	.000
NC	.050	.050	.035	.300	.500	.000	.000	.000	.000	.000
X1	1.491	19.000	2600.000	2100.000	1650.000	2850.000	2050.000	.000	.000	.000
BR	60.000	.000	56.000	520.000	56.000	780.000	54.000	1000.000	52.000	1150.000
SR	52.000	1540.000	53.500	1700.000	54.000	1840.000	60.500	1820.000	57.000	2000.000
GR	57.000	2001.000	44.400	2010.000	44.400	2080.000	57.000	2100.000	57.000	2101.000
BR	52.000	2140.000	55.000	3280.000	55.000	6060.000	65.000	6660.000	.000	.000
X1	1.492	.000	.000	.000	200.000	200.000	200.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	57.000	57.000	.000
SB	1.250	1.560	3.000	.000	70.000	4.000	1170.000	1.000	.000	.000
X1	1.493	.000	.000	.000	40.000	40.000	40.000	.000	.000	.000
CI	.000	.000	.000	.000	.000	.010	.010	.010	.000	.000
X2	.000	.000	1.000	58.400	59.900	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	57.000	57.000	.000
BT	8.000	.000	60.000	.000	1150.000	57.800	.000	2000.000	59.800	.000
BT	2001.000	62.500	.000	2100.000	62.500	.000	2101.000	59.800	.000	6060.000
BT	60.000	.000	6660.000	65.000	.000	.000	.000	.000	.000	.000
X1	1.494	12.000	1980.000	2111.000	20.000	20.000	20.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	59.900	59.900	.000
BR	60.000	.000	57.800	1120.000	59.900	1980.000	55.400	1981.000	45.000	2004.000
GR	45.300	2020.000	44.900	2070.000	44.900	2085.000	55.400	2110.000	59.900	2111.000
BR	60.000	4500.000	65.000	6660.000	.000	.000	.000	.000	.000	.000
SB	1.250	1.560	3.000	.000	81.000	2.500	1508.000	1.900	.000	.000
X1	1.495	.000	.000	.000	40.000	40.000	40.000	.000	.000	.000
X2	.000	.000	1.000	58.900	59.900	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	59.900	59.900	.000
BT	2.000	1980.000	59.900	.000	2111.000	59.900	.000	.000	.000	.000
X1	1.496	11.000	2011.000	2088.000	50.000	50.000	50.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	61.000	61.000	.000
BR	62.300	.000	61.000	2011.000	52.000	2012.000	47.000	2025.000	45.700	2037.000
BR	44.500	2050.000	45.700	2062.000	47.700	2075.000	51.000	2087.000	61.000	2088.000
BR	62.300	4100.000	.000	.000	.000	.000	.000	.000	.000	.000
SB	1.250	1.560	2.560	.000	80.000	4.000	1316.000	1.000	.000	.000
X1	1.497	.000	.000	.000	10.000	10.000	10.000	.000	.000	.000
CI	-1.000	.000	.035	3.000	3.000	.010	70.000	70.000	.000	.000
X2	.000	.000	1.000	58.500	51.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	61.000	61.000	.000
BT	2.000	2011.000	60.000	.000	2088.000	61.000	.000	.000	.000	.000
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
X1	1.498	14.000	4000.000	4065.000	200.000	200.000	200.000	.000	.000	.000
BR	60.000	.000	59.500	2400.000	59.000	2900.000	58.000	3100.000	57.000	3200.000
BR	56.000	3450.000	55.000	3750.000	56.500	3950.000	56.000	4000.000	45.000	4020.000
BR	45.000	4045.000	56.000	4065.000	59.000	4200.000	60.000	6500.000	.000	.000

THIS RUN EXECUTED 10-15-91

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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T1
T2
T3      100 YR INTERMEDIATE DEVELOPMENT WITH IMPROVEMENTS

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J1	ICHECK	ING	NINW	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	5.	0.	0.	.000000	.00	.5	0.	12.500	.000

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRADE
	2.000	.000	-1.000	.000	.000	.000	.000	7.000	.000	.000

THIS RUN EXECUTED 10-15-91

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HECZ RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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T1
T2
T3

100 YR ULTIMATE DEVELOPMENT with IMPROVEMENTS

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FG
	-10.	7.	0.	0.	.000000	.00	.5	0.	12.800	.000

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.000	-1.000	.000	.000	.000	.000	8.000	.000	.000

THIS RUN EXECUTED 10-15-91

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100 YR EXISTING DEVELOP

SUMMARY PRINTOUT

SECNO	Q	CWSEL	VDH	XLDH	ELLC	ELTRD	BW	ELMIN	VEXR
1.001	39444.00	12.80	2.73	.00	.00	.00	.01	-2.00	.00
1.001	42038.00	12.80	2.91	.00	.00	.00	.01	-2.00	.00
1.001	46139.00	12.80	3.19	.00	.00	.00	.01	-2.00	.00
1.002	39444.00	13.29	1.62	6000.00	.00	.00	.01	-2.00	.00
1.002	42038.00	13.35	1.71	6000.00	.00	.00	.01	-2.00	.00
1.002	46139.00	13.45	1.85	6000.00	.00	.00	.01	-2.00	.00
1.003	39444.00	13.54	2.52	4000.00	.00	.00	.01	.50	.00
1.003	42038.00	13.63	2.66	4000.00	.00	.00	.01	.50	.00
1.003	46139.00	13.78	2.86	4000.00	.00	.00	.01	.50	.00
1.010	39444.00	13.74	3.97	1480.00	.00	.00	.01	1.20	.00
1.010	42038.00	13.85	4.17	1480.00	.00	.00	.01	1.20	.00
1.010	46139.00	14.02	4.47	1480.00	.00	.00	.01	1.20	.00
1.020	31748.00	14.64	3.38	2200.00	.00	.00	.01	1.20	.00
1.020	34163.00	14.82	3.56	2200.00	.00	.00	.01	1.20	.00
1.020	37089.00	15.07	3.74	2200.00	.00	.00	.01	1.20	.00
1.030	31748.00	14.60	3.31	30.00	11.20	10.70	.01	1.20	.00
1.030	34163.00	14.98	3.49	30.00	11.20	10.70	.01	1.20	.00
1.030	37089.00	15.24	3.66	30.00	11.20	10.70	.01	1.20	.00
1.032	31748.00	15.10	2.23	1000.00	.00	.00	.01	1.20	.00
1.032	34163.00	15.30	2.35	1000.00	.00	.00	.01	1.20	.00
1.032	37089.00	15.59	2.47	1000.00	.00	.00	.01	1.20	.00
1.038	31748.00	15.42	2.86	2300.00	.00	.00	.01	.50	.00
1.038	34163.00	15.65	3.02	2300.00	.00	.00	.01	.50	.00
1.038	37089.00	15.94	3.18	2300.00	.00	.00	.01	.50	.00

SECNO	Q	DWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
1.040	31748.00	15.71	3.16	1700.00	.00	.00	.01	1.10	.00
1.040	34163.00	15.96	3.28	1700.00	.00	.00	.01	1.10	.00
1.040	37089.00	16.29	3.39	1700.00	.00	.00	.01	1.10	.00
1.050	31748.00	15.77	3.56	400.00	.00	.00	.01	1.40	.00
1.050	34163.00	16.02	3.74	400.00	.00	.00	.01	1.40	.00
1.050	37089.00	16.35	3.91	400.00	.00	.00	.01	1.40	.00
1.060	31748.00	16.14	4.51	1450.00	.00	.00	.01	1.40	.00
1.060	34163.00	16.41	4.72	1450.00	.00	.00	.01	1.40	.00
1.060	37089.00	16.76	4.96	1450.00	.00	.00	.01	1.40	.00
1.070	31748.00	16.66	2.47	1600.00	.00	.00	.01	.10	.00
1.070	34163.00	16.96	2.59	1600.00	.00	.00	.01	.10	.00
1.070	37089.00	17.35	2.72	1600.00	.00	.00	.01	.10	.00
1.080	31748.00	16.78	3.29	1000.00	.00	.00	.01	.00	.00
1.080	34163.00	17.10	3.42	1000.00	.00	.00	.01	.00	.00
1.080	37089.00	17.50	3.55	1000.00	.00	.00	.01	.00	.00
1.090	31748.00	17.30	2.93	2300.00	.00	.00	.01	.10	.00
1.090	34163.00	17.64	3.03	2300.00	.00	.00	.01	.10	.00
1.090	37089.00	18.05	3.15	2300.00	.00	.00	.01	.10	.00
1.100	31748.00	17.49	6.10	1500.00	.00	.00	.01	.00	.00
1.100	34163.00	17.83	6.34	1500.00	.00	.00	.01	.00	.00
1.100	37089.00	18.25	6.55	1500.00	.00	.00	.01	.00	.00
1.105	31748.00	18.33	2.03	2800.00	.00	.00	.01	1.30	.00
1.105	34163.00	18.71	2.08	2800.00	.00	.00	.01	1.30	.00
1.105	37089.00	19.15	2.15	2800.00	.00	.00	.01	1.30	.00
1.110	32133.00	18.17	4.62	50.00	.00	.00	.01	1.00	.00
1.110	34812.00	18.55	4.70	50.00	.00	.00	.01	1.00	.00
1.110	37712.00	19.01	4.73	50.00	.00	.00	.01	1.00	.00
1.120	32133.00	18.17	4.62	45.00	12.40	15.30	.01	1.00	.00
1.120	34812.00	18.55	4.70	45.00	12.40	15.30	.01	1.00	.00
1.120	37712.00	19.01	4.73	45.00	12.40	15.30	.01	1.00	.00
1.130	32133.00	18.23	4.56	50.00	.00	.00	.01	.60	.00
1.130	34812.00	18.62	4.56	50.00	.00	.00	.01	.60	.00
1.130	37712.00	19.08	4.51	50.00	.00	.00	.01	.60	.00
1.140	32133.00	18.97	3.11	2000.00	.00	.00	.01	.60	.00
1.140	34812.00	19.35	3.24	2000.00	.00	.00	.01	.60	.00
1.140	37712.00	19.76	3.36	2000.00	.00	.00	.01	.60	.00
1.150	32133.00	19.33	2.89	1700.00	.00	.00	.01	2.10	.00
1.150	34812.00	19.73	2.97	1700.00	.00	.00	.01	2.10	.00
1.150	37712.00	20.18	3.03	1700.00	.00	.00	.01	2.10	.00

SECNO	Q	QWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
1.160	32133.00	19.84	3.04	2380.00	.00	.00	.01	1.50	.00
1.160	34812.00	20.25	3.16	2380.00	.00	.00	.01	1.50	.00
1.160	37712.00	20.70	3.28	2380.00	.00	.00	.01	1.50	.00
1.170	30742.00	20.32	3.65	2000.00	.00	.00	.01	2.00	.00
1.170	33413.00	20.75	3.76	2000.00	.00	.00	.01	2.00	.00
1.170	36193.00	21.22	3.83	2000.00	.00	.00	.01	2.00	.00
1.180	30742.00	20.41	4.08	200.00	.00	.00	.01	-.10	.00
1.180	33413.00	20.86	4.09	200.00	.00	.00	.01	-.10	.00
1.180	36193.00	21.35	4.04	200.00	.00	.00	.01	-.10	.00
1.190	30742.00	20.54	3.99	30.00	14.50	16.60	.01	-.10	.00
1.190	33413.00	20.97	4.01	30.00	14.50	16.60	.01	-.10	.00
1.190	36193.00	21.43	3.97	30.00	14.50	16.60	.01	-.10	.00
1.200	30742.00	20.56	3.55	50.00	.00	.00	.01	.00	.00
1.200	33413.00	20.99	3.66	50.00	.00	.00	.01	.00	.00
1.200	36193.00	21.44	3.72	50.00	.00	.00	.01	.00	.00
1.210	30742.00	21.79	4.89	3220.00	.00	.00	.01	.50	.00
1.210	33413.00	22.24	5.02	3220.00	.00	.00	.01	.50	.00
1.210	36193.00	22.69	5.13	3220.00	.00	.00	.01	.50	.00
1.220	30742.00	22.64	2.47	3700.00	.00	.00	.01	-11.60	.00
1.220	33413.00	23.12	2.55	3700.00	.00	.00	.01	-11.60	.00
1.220	36193.00	23.59	2.64	3700.00	.00	.00	.01	-11.60	.00
* 1.230	30444.00	23.34	8.00	2800.00	.00	.00	.01	.20	.00
* 1.230	33145.00	23.76	8.21	2800.00	.00	.00	.01	.20	.00
* 1.230	36078.00	24.22	8.36	2800.00	.00	.00	.01	.20	.00
1.240	30444.00	27.27	3.27	2270.00	.00	.00	.01	-2.50	.00
1.240	33145.00	27.70	3.30	2270.00	.00	.00	.01	-2.50	.00
1.240	36078.00	28.10	3.33	2270.00	.00	.00	.01	-2.50	.00
1.250	30444.00	28.40	3.11	2000.00	.00	.00	.01	1.30	.00
1.250	33145.00	28.83	3.18	2000.00	.00	.00	.01	1.30	.00
1.250	36078.00	29.24	3.26	2000.00	.00	.00	.01	1.30	.00
1.260	30444.00	29.41	1.93	4000.00	.00	.00	.01	2.60	.00
1.260	33145.00	29.87	2.00	4000.00	.00	.00	.01	2.60	.00
1.260	36078.00	30.32	2.07	4000.00	.00	.00	.01	2.60	.00
1.270	19358.00	29.83	2.61	2600.00	.00	.00	.01	2.80	.00
1.270	21006.00	30.30	2.64	2600.00	.00	.00	.01	2.80	.00
1.270	23170.00	30.75	2.73	2600.00	.00	.00	.01	2.80	.00
1.280	19358.00	29.83	2.61	50.00	.00	.00	.01	2.80	.00
1.280	21006.00	30.30	2.64	50.00	.00	.00	.01	2.80	.00
1.280	23170.00	30.76	2.73	50.00	.00	.00	.01	2.80	.00

	SECD	Q	DWSEL	VCH	KLCH	ELLC	ELTRD	BW	ELMIN	VEXR
	1.390	11219.00	37.47	8.05	26.00	37.30	39.00	.01	18.30	.00
	1.390	12491.00	37.68	8.96	26.00	37.30	39.00	.01	18.30	.00
	1.390	13882.00	37.93	9.96	26.00	37.30	39.00	.01	18.30	.00
*	1.400	11219.00	38.55	2.50	50.00	.00	.00	.01	18.30	.00
*	1.400	12491.00	39.02	2.58	49.99	.00	.00	.01	18.30	.00
*	1.400	13882.00	39.59	2.61	49.99	.00	.00	.01	18.30	.00
	1.410	11219.00	39.16	4.59	1775.00	.00	.00	.01	25.00	.00
	1.410	12491.00	39.64	4.60	1775.00	.00	.00	.01	25.00	.00
	1.410	13882.00	39.96	4.26	1775.00	.00	.00	80.00	19.92	.00
	1.420	11219.00	39.43	3.80	200.00	.00	.00	.01	30.00	.00
	1.420	12491.00	39.99	3.83	200.00	.00	.00	.01	30.00	.00
	1.420	13882.00	39.98	3.35	200.00	.00	.00	80.00	20.10	8.31
	1.430	11219.00	39.50	4.46	250.00	.00	.00	.01	35.00	.00
	1.430	12491.00	40.31	4.31	250.00	.00	.00	.01	35.00	.00
	1.430	13882.00	40.04	3.45	250.00	.00	.00	80.00	20.32	14.52
	1.431	11219.00	41.64	2.67	1000.00	.00	.00	.01	35.00	.00
	1.431	12491.00	41.93	2.72	1000.00	.00	.00	.01	35.00	.00
	1.431	13882.00	40.40	3.38	1000.00	.00	.00	80.00	21.23	66.54
	1.432	11219.00	42.51	1.49	2000.00	.00	.00	.01	35.50	.00
	1.432	12491.00	42.82	1.55	2000.00	.00	.00	.01	35.50	.00
	1.432	13882.00	41.03	2.52	2000.00	.00	.00	80.00	23.05	118.53
	1.433	11219.00	42.96	1.56	2000.00	.00	.00	.01	34.00	.00
	1.433	12491.00	43.28	1.62	2000.00	.00	.00	.01	34.00	.00
	1.433	13882.00	41.45	3.32	2000.00	.00	.00	80.00	24.87	94.00
	1.434	11219.00	43.64	2.33	2000.00	.00	.00	.01	37.40	.00
	1.434	12491.00	43.96	2.38	2000.00	.00	.00	.01	37.40	.00
	1.434	13882.00	42.12	4.83	2000.00	.00	.00	80.00	26.69	84.84
	1.435	11219.00	45.78	4.38	2000.00	.00	.00	.01	37.60	.00
	1.435	12491.00	46.04	4.42	2000.00	.00	.00	.01	37.60	.00
	1.435	13882.00	43.32	7.10	2000.00	.00	.00	80.00	28.51	93.67
	1.436	11219.00	47.88	2.91	2400.00	.00	.00	.01	37.80	.00
	1.436	12491.00	48.13	2.99	2400.00	.00	.00	.01	37.80	.00
	1.436	13882.00	45.64	6.19	2400.00	.00	.00	80.00	30.70	101.10
	1.437	11219.00	48.47	1.65	1900.00	.00	.00	.01	38.40	.00
	1.437	12491.00	48.76	1.75	1900.00	.00	.00	.01	38.40	.00
	1.437	13882.00	46.76	2.70	1900.00	.00	.00	80.00	32.43	61.07
	1.440	7752.00	49.06	1.61	3600.00	.00	.00	.01	38.40	.00
	1.440	8719.00	49.39	1.68	3600.00	.00	.00	.01	38.40	.00
	1.440	9730.00	47.59	3.76	3600.00	.00	.00	80.00	35.70	78.56

	SECNO	D	CWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
*	1.450	7792.00	48.46	7.62	50.00	.00	.00	.01	38.40	.00
*	1.450	8719.00	48.67	8.31	49.99	.00	.00	.01	38.40	.00
*	1.450	9730.00	47.06	7.70	50.00	.00	.00	80.00	35.75	.77
*	1.460	7792.00	48.59	7.94	26.00	47.90	49.50	.01	38.40	.00
*	1.460	8719.00	48.75	9.27	26.00	47.90	49.50	.01	38.40	.00
	1.460	9730.00	47.11	7.66	26.00	47.90	49.50	80.00	35.75	.20
*	1.470	7792.00	49.67	1.41	50.00	.00	.00	.01	38.40	.00
*	1.470	8719.00	50.21	1.41	49.99	.00	.00	.01	38.40	.00
*	1.470	9730.00	48.09	2.00	50.00	.00	.00	80.00	35.75	.00
	1.475	7792.00	49.90	2.04	1300.00	.00	.00	.01	39.50	.00
	1.475	8719.00	50.43	2.05	1300.00	.00	.00	.01	39.50	.00
	1.475	9730.00	48.49	3.93	1300.00	.00	.00	80.00	36.93	.00
	1.480	7792.00	51.63	3.49	4000.00	.00	.00	.01	45.00	.00
	1.480	8719.00	52.04	3.44	4000.00	.00	.00	.01	45.00	.00
	1.480	9730.00	50.77	4.77	4000.00	.00	.00	80.00	40.57	59.72
	1.485	7792.00	54.26	3.93	2000.00	.00	.00	.01	47.00	.00
	1.485	8719.00	54.51	4.04	2000.00	.00	.00	.01	47.00	.00
	1.485	9730.00	53.02	6.36	2000.00	.00	.00	80.00	42.35	37.05
	1.491	7262.00	55.40	3.18	2050.00	.00	.00	.01	44.40	.00
	1.491	8280.00	55.67	3.23	2050.00	.00	.00	.01	44.40	.00
	1.491	9289.00	55.03	4.09	2050.00	.00	.00	80.00	44.26	35.87
*	1.492	7262.00	54.99	8.34	200.00	.00	.00	.01	44.40	.00
*	1.492	8280.00	55.11	9.38	199.99	.00	.00	.01	44.40	.00
*	1.492	9289.00	54.76	8.09	200.00	.00	.00	80.00	44.40	3.02
	1.493	7262.00	55.22	8.14	40.00	58.40	59.90	.01	44.40	.00
	1.493	8280.00	55.44	9.07	40.00	58.40	59.90	.01	44.40	.00
	1.493	9289.00	54.96	7.89	40.00	58.40	59.90	.01	44.40	3.02
	1.494	7262.00	55.76	6.40	20.00	.00	.00	.01	44.90	.00
	1.494	8280.00	56.15	6.99	20.00	.00	.00	.01	44.90	.00
	1.494	9289.00	54.85	9.13	20.00	.00	.00	.01	44.90	3.02
	1.495	7262.00	55.81	6.37	40.00	58.90	59.90	.01	44.90	.00
	1.495	8280.00	56.21	6.94	40.00	58.90	59.90	.01	44.90	.00
	1.495	9289.00	55.01	8.96	40.00	58.90	59.90	.01	44.90	3.02
*	1.496	7262.00	55.11	12.18	50.00	.00	.00	.01	44.50	.00
*	1.496	8280.00	55.33	13.51	50.00	.00	.00	.01	44.50	.00
*	1.496	9289.00	54.97	15.68	50.00	.00	.00	.01	44.50	3.02
	1.497	7262.00	55.83	11.17	10.00	58.50	61.00	.01	44.50	.00
	1.497	8280.00	56.35	6.62	10.00	58.50	61.00	70.00	44.50	.00
	1.497	9289.00	56.87	7.01	10.00	58.50	61.00	70.00	44.50	.24

	SECNO	B	CWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
*	1.498	7262.00	57.75	7.28	200.00	.00	.00	.01	45.00	.00
	1.498	8280.00	58.14	4.26	200.00	.00	.00	70.00	44.57	6.09
*	1.498	9289.00	58.87	4.03	200.00	.00	.00	70.00	44.57	6.09
	1.525	7262.00	62.76	5.26	4125.00	.00	.00	.01	47.00	.00
	1.525	8280.00	60.33	5.11	4125.00	.00	.00	70.00	46.01	132.51
	1.525	9289.00	60.83	5.40	4125.00	.00	.00	70.00	46.01	132.51
	1.530	4542.00	63.17	.95	2400.00	.00	.00	.01	47.00	.00
	1.530	4562.00	61.19	1.67	2400.00	.00	.00	70.00	46.85	58.95
	1.530	5719.00	61.73	1.79	2400.00	.00	.00	70.00	46.85	58.95
	1.540	4542.00	63.19	.72	1000.00	.00	.00	.01	47.50	.00
	1.540	4562.00	61.27	2.09	1000.00	.00	.00	.01	47.50	58.95
	1.540	5719.00	61.80	1.75	1000.00	.00	.00	40.00	47.50	9.11
	1.541	4542.00	63.17	2.41	100.00	.00	.00	.01	47.80	.00
*	1.541	4562.00	61.00	6.90	100.00	.00	.00	.01	47.60	58.95
	1.541	5719.00	61.64	4.95	100.00	.00	.00	40.00	47.57	1.19
	1.542	4542.00	64.06	1.32	35.00	62.00	62.10	.01	47.80	.00
	1.542	4562.00	61.00	6.90	35.00	62.00	62.10	.01	47.80	58.95
	1.542	5719.00	62.99	2.74	35.00	62.00	62.10	40.00	47.60	.60
	1.543	4542.00	64.06	1.37	200.00	.00	.00	.01	47.80	.00
*	1.543	4562.00	61.90	3.57	200.00	.00	.00	.01	47.80	58.95
	1.543	5719.00	63.05	2.49	200.00	.00	.00	40.00	47.74	2.37
	1.550	4542.00	64.16	1.29	2305.00	.00	.00	.01	49.50	.00
	1.550	4562.00	62.64	2.66	2305.00	.00	.00	.01	49.50	58.95
	1.550	5719.00	63.38	2.29	2305.00	.00	.00	40.00	49.43	11.99
	1.560	4542.00	64.23	.70	2640.00	.00	.00	.01	51.50	.00
	1.560	4562.00	62.94	1.15	2640.00	.00	.00	.01	51.50	58.95
	1.560	5719.00	63.59	1.12	2640.00	.00	.00	40.00	51.35	7.45
*	1.561	4542.00	62.95	13.92	100.00	.00	.00	.01	51.50	.00
*	1.561	4562.00	61.87	15.99	100.00	.00	.00	.01	51.50	58.95
*	1.561	5719.00	63.36	6.32	100.00	.00	.00	40.00	51.43	1.51
*	1.562	4542.00	66.92	3.58	30.00	65.10	66.00	.01	51.50	.00
*	1.562	4562.00	62.89	14.08	30.00	65.10	66.00	.01	51.50	58.95
*	1.562	5719.00	64.31	5.65	30.00	65.10	66.00	40.00	51.43	.43
	1.563	4542.00	67.01	2.50	200.00	.00	.00	.01	51.80	.00
*	1.563	4562.00	66.91	2.72	200.00	.00	.00	.01	51.80	58.95
	1.563	5719.00	64.52	5.60	200.00	.00	.00	40.00	51.57	.00
	1.570	4542.00	67.33	1.98	2070.00	.00	.00	.01	53.30	.00
	1.570	4562.00	67.29	2.06	2070.00	.00	.00	.01	53.30	58.95
	1.570	5719.00	66.41	4.56	2070.00	.00	.00	40.00	53.08	20.59

	SECNO	Q	QWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
*	1.580	4542.00	68.69	5.13	2400.00	.00	.00	.01	55.00	.00
*	1.580	4562.00	68.69	5.17	2400.00	.00	.00	.01	55.00	58.95
	1.580	5719.00	68.11	5.40	2400.00	.00	.00	40.00	54.84	23.11
	1.590	4542.00	70.50	3.91	2400.00	.00	.00	.01	56.80	.00
	1.590	4562.00	70.51	3.89	2400.00	.00	.00	.01	56.80	58.95
	1.590	5719.00	70.20	4.95	2400.00	.00	.00	40.00	56.59	24.34
	1.600	6574.00	72.50	5.75	2800.00	.00	.00	.01	59.00	.00
	1.600	6574.00	72.50	5.78	2800.00	.00	.00	.01	59.00	58.95
	1.600	8263.00	72.56	5.69	2800.00	.00	.00	40.00	58.63	26.41

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION	SECNO=	1.230	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.230	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.230	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.360	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.360	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.380	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.380	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.380	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.400	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.400	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.400	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.450	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.450	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.450	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.460	PROFILE= 1	BRIDGE DECK DEFINITION ERROR
CAUTION	SECNO=	1.460	PROFILE= 2	BRIDGE DECK DEFINITION ERROR
CAUTION	SECNO=	1.470	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.470	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.470	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.492	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.492	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.492	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.496	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.496	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.496	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.498	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.498	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.541	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.543	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.561	PROFILE= 1	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.561	PROFILE= 2	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.561	PROFILE= 3	INTERPOLATED XSECTIONS USED
CAUTION	SECNO=	1.562	PROFILE= 1	20 TRIALS OF EG NOT ENOUGH
CAUTION	SECNO=	1.562	PROFILE= 2	HYDRAULIC JUMP D.S.
CAUTION	SECNO=	1.562	PROFILE= 3	HYDRAULIC JUMP D.S.
CAUTION	SECNO=	1.563	PROFILE= 2	INTERPOLATED XSECTIONS USED

RUN 11

THIS RUN EXECUTED 10-15-91

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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FR
T1 KELLY DITCH - NUECES COUNTY - "KELLY"
T2 STORMWATER MASTER PLAN STUDY - WALKER ENGINEERING 90021
T3 1990/100

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J1 ICHECK   INQ       NINW      IDIR      STRT      METRIC    HVINS     G        WSEL      FQ
          0.         7.         0.         0.    .000000    .00        .5        0.       22.640    .000

J2 NPROF    IPLOT     PRFVS     XSECV     XSECH     FN        ALLDC     IBW      CHNIM     ITRACE
          1.000     .000     -1.000     .000     .000     .000     .000     7.000     .000     .000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
          32.000   43.000     1.000   26.000   39.000   41.000   40.000   30.000   42.000   89.000

J5 LPRNT    NUMSEC          *****REQUESTED SECTION NUMBERS*****
          -10.000  -10.000     .000     .000     .000     .000     .000     .000     .000     .000

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BT	8.000	7586.000	10427.000	8405.000	11284.000	9195.000	12094.000	.000	.000	.000
NC	.060	.060	.035	.000	.000	.000	.000	.000	.000	.000
X1	1.220	30.000	1520.000	2480.000	.000	.000	.000	.000	.000	.000
CI	-1.000	-1.000	.025	3.000	3.000	.010	.010	.000	.000	.000
BR	30.000	.000	29.000	150.000	28.000	400.000	27.000	650.000	26.000	820.000
BR	25.000	920.000	24.000	970.000	23.000	1050.000	22.000	1340.000	21.000	1470.000
BR	20.000	1520.000	15.000	1570.000	10.000	1670.000	5.000	1750.000	-2.500	2000.000
BR	-2.500	2150.000	5.000	2200.000	10.000	2350.000	15.000	2400.000	20.000	2480.000
BR	21.000	2770.000	22.000	2820.000	23.000	2950.000	24.000	3100.000	25.000	3130.000
BR	26.000	3440.000	27.000	3550.000	28.000	3500.000	29.000	4020.000	30.000	4280.000
X1	2.020	29.000	1620.000	2000.000	1500.000	1500.000	1800.000	.000	.000	.000
BR	30.000	.000	29.000	60.000	28.000	180.000	27.000	300.000	26.000	450.000
BR	25.000	630.000	24.000	700.000	23.000	780.000	23.000	1300.000	22.000	1570.000
BR	21.000	1590.000	20.000	1620.000	15.000	1670.000	10.000	1780.000	-2.500	1810.000
BR	-2.500	1830.000	10.000	1900.000	15.000	1950.000	20.000	2000.000	21.000	2100.000
BR	22.000	2220.000	23.000	2350.000	24.000	2500.000	25.000	2670.000	26.000	2780.000
BR	27.000	2890.000	28.000	3030.000	29.000	3220.000	30.000	3400.000	.000	.000

X1	2.080	15.000	965.000	1035.000	1350.000	1600.000	1500.000	.000	.000	.000
GR	30.000	.000	29.000	100.000	28.000	190.000	27.000	300.000	26.000	420.000
GR	14.500	965.000	12.500	990.000	12.500	1010.000	14.500	1035.000	25.000	1200.000
GR	26.000	1500.000	27.000	1600.000	28.000	1680.000	29.000	1900.000	30.000	2050.000
BT	6.000	5843.000	7905.000	6765.000	8868.000	7192.000	9312.000	.000	.000	.000
X1	2.090	17.000	1860.400	2039.600	2130.000	2130.000	2130.000	.000	.000	.000
GR	35.000	.000	34.000	250.000	33.000	1150.000	32.000	1300.000	31.000	1400.000
GR	30.000	1500.000	29.000	1780.000	28.000	1860.400	18.100	1900.000	18.100	2000.000
GR	26.000	2039.600	28.000	2650.000	29.000	3500.000	30.000	3900.000	31.000	4450.000
GR	32.000	4650.000	33.000	5400.000	.000	.000	.000	.000	.000	.000
X1	2.100	11.000	2501.200	2678.800	1500.000	1500.000	1500.000	.000	.000	.000
GR	35.000	.000	34.000	1250.000	30.000	2000.000	28.000	2450.000	28.000	2501.200
GR	18.300	2540.000	18.300	2640.000	28.000	2678.800	28.000	2800.000	30.000	3250.000
GR	35.000	4050.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	2.110	15.000	2190.400	2369.600	1500.000	1500.000	1500.000	.000	.000	.000
GR	34.000	.000	33.000	400.000	32.000	900.000	29.000	1650.000	29.000	2190.400
GR	29.000	2190.400	19.100	2230.000	19.100	2330.000	29.000	2369.600	29.000	3250.000
GR	30.000	3450.000	31.000	4000.000	32.000	4250.000	33.000	4900.000	34.000	5000.000
X1	2.120	19.000	1061.600	1238.400	1550.000	1450.000	1500.000	.000	.000	.000
GR	35.000	.000	34.000	400.000	33.000	650.000	32.000	750.000	31.000	800.000
GR	30.000	895.000	29.000	980.000	29.000	1061.600	19.400	1100.000	19.400	1200.000
GR	29.000	1238.400	29.000	1820.000	30.000	2050.000	31.000	2750.000	32.000	3100.000
GR	32.000	3500.000	34.000	3820.000	35.000	4200.000	.000	.000	.000	.000
BT	6.000	4935.000	6698.000	5828.000	7610.000	6113.000	7924.000	.000	.000	.000
NC	.000	.000	.000	.600	.800	.000	.000	.000	.000	.000
X1	2.131	21.000	3600.000	3840.000	460.000	4600.000	460.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	30.000	30.000	.000
GR	35.000	.000	34.000	1050.000	33.000	1250.000	32.000	1400.000	31.000	1520.000
GR	30.000	3050.000	29.000	3350.000	31.000	3600.000	25.000	3640.000	23.000	3680.000
GR	18.000	3720.000	18.000	3760.000	23.500	3800.000	33.000	3840.000	29.000	4200.000
GR	30.000	4450.000	31.000	5000.000	32.000	5650.000	33.000	5850.000	34.000	6400.000
GR	35.000	6800.000	.000	.000	.000	.000	.000	.000	.000	.000
SB	1.350	1.560	2.600	.000	20.000	5.000	2122.500	4.900	.000	.000
X1	2.132	.000	.000	.000	37.000	37.000	37.000	.000	.000	.000
X2	.000	.000	1.000	36.500	40.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	30.000	30.000	.000
BT	9.000	.000	35.000	.000	1600.000	30.000	.000	3500.000	30.000	.000
BT	3600.000	37.500	.000	3601.000	40.000	.000	3840.000	40.000	.000	3841.000
BT	37.500	.000	3940.000	31.000	.000	6800.000	35.000	.000	.000	.000
NC	.000	.000	.000	.100	.300	.000	.000	.000	.000	.000
X1	2.133	.000	.000	.000	200.000	200.000	200.000	.000	.000	.000
CI	-1.000	-1.000	.025	3.000	3.000	.000	120.000	.000	.000	.000

THIS RUN EXECUTED 10-15-91

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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T1
T2
T3      ULTIMATE/25

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J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FB
	-10.	6.	0.	0.	.000000	.00	.5	0.	5.800	.000

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	2.000	.000	-1.000	.000	.000	.000	.000	7.000	.000	.000

THIS RUN EXECUTED 10-15-91

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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T1
T2
T3      ULTIMATE/100

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J1	ICHECK	IND	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	-10.	7.	0.	0.	.000000	.00	.5	0.	23.590	.000

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.000	-1.000	.000	.000	.000	.000	7.000	.000	.000

THIS RUN EXECUTED 10-15-91

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*****
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-YT VERSION AUGUST 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

1990/100

SUMMARY PRINTOUT

	SECNO	G	CWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
	1.220	12094.00	22.64	.76	.00	.00	.00	.01	-2.50	.00
	1.220	9195.00	5.80	3.50	.00	.00	.00	.01	-2.50	.00
	1.220	12094.00	23.59	.71	.00	.00	.00	.01	-2.50	.00
	2.020	12094.00	22.58	2.64	1800.00	.00	.00	.01	-2.60	.00
*	2.020	9195.00	7.86	14.29	1800.00	.00	.00	.01	-2.60	.00
	2.020	12094.00	23.54	2.38	1800.00	.00	.00	.01	-2.60	.00
	2.030	12094.00	22.97	2.53	2150.00	.00	.00	.01	3.50	.00
*	2.030	9195.00	16.30	5.71	2150.00	.00	.00	.01	3.50	.00
	2.030	12094.00	23.82	2.27	2150.00	.00	.00	.01	3.50	.00
	2.040	12094.00	23.13	1.75	1000.00	.00	.00	.01	5.00	.00
	2.040	9195.00	17.39	2.77	1000.00	.00	.00	.01	5.00	.00
	2.040	12094.00	23.95	1.61	1000.00	.00	.00	.01	5.00	.00
*	2.051	12372.00	23.20	8.50	650.00	.00	.00	.01	6.00	.00
*	2.051	9693.00	17.72	13.38	650.00	.00	.00	.01	6.00	.00
*	2.051	12372.00	23.96	7.81	650.00	.00	.00	.01	6.00	.00
	2.052	12372.00	23.66	6.08	36.00	27.00	28.00	.01	6.00	.00
*	2.052	9693.00	19.27	11.06	36.00	27.00	28.00	.01	6.00	.00
	2.052	12372.00	24.30	7.53	36.00	27.00	28.00	.01	6.00	.00
*	2.053	12372.00	24.46	5.40	180.00	.00	.00	.01	7.00	.00
*	2.053	9693.00	21.12	5.91	180.00	.00	.00	.01	7.00	.00
	2.053	12372.00	24.99	5.11	180.00	.00	.00	.01	7.00	.00
	2.060	12372.00	25.33	3.19	1550.00	.00	.00	.01	11.00	.00
	2.060	9693.00	22.35	3.33	1550.00	.00	.00	.01	11.00	.00
	2.060	12372.00	25.74	3.07	1550.00	.00	.00	.01	11.00	.00

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
2.070	12372.00	25.56	4.28	1400.00	.00	.00	140.00	11.80	.00
2.070	9693.00	22.68	5.32	1400.00	.00	.00	140.00	11.80	.00
2.070	12372.00	25.96	3.99	1400.00	.00	.00	140.00	11.80	.00
2.080	12372.00	25.87	4.32	1500.00	.00	.00	140.00	12.50	16.16
2.080	9693.00	23.38	4.70	1500.00	.00	.00	140.00	12.50	16.16
2.080	12372.00	26.21	4.12	1500.00	.00	.00	140.00	12.50	16.16
2.090	9312.00	26.26	4.60	2130.00	.00	.00	140.00	14.67	47.23
2.090	7192.00	24.04	4.57	2130.00	.00	.00	140.00	14.67	47.23
2.090	9312.00	26.54	4.46	2130.00	.00	.00	140.00	14.67	47.23
2.100	9312.00	26.73	5.16	1500.00	.00	.00	140.00	16.20	48.39
2.100	7192.00	24.64	5.15	1500.00	.00	.00	140.00	16.20	48.39
2.100	9312.00	26.97	5.02	1500.00	.00	.00	140.00	16.20	48.39
2.110	9312.00	27.39	5.71	1500.00	.00	.00	140.00	17.73	36.08
2.110	7192.00	25.51	5.66	1500.00	.00	.00	140.00	17.73	36.08
2.110	9312.00	27.58	5.58	1500.00	.00	.00	140.00	17.73	36.08
2.120	9312.00	28.26	6.18	1500.00	.00	.00	140.00	19.26	24.87
2.120	7192.00	26.64	6.01	1500.00	.00	.00	140.00	19.26	24.87
2.120	9312.00	28.41	6.08	1500.00	.00	.00	140.00	19.26	24.87
2.131	7924.00	28.91	4.80	460.00	.00	.00	140.00	18.00	4.79
2.131	6113.00	27.30	4.60	460.00	.00	.00	140.00	18.00	4.79
2.131	7924.00	29.01	4.74	460.00	.00	.00	140.00	18.00	4.79
2.132	7924.00	28.98	4.18	37.00	36.50	40.00	140.00	18.00	.49
2.132	6113.00	28.02	3.60	37.00	36.50	40.00	140.00	18.00	.49
2.132	7924.00	29.08	4.14	37.00	36.50	40.00	140.00	18.00	.49
2.133	7924.00	29.02	4.52	200.00	.00	.00	120.00	18.00	2.93
2.133	6113.00	28.05	3.94	200.00	.00	.00	120.00	18.00	2.93
2.133	7924.00	29.13	4.47	200.00	.00	.00	120.00	18.00	2.93
2.140	7924.00	29.38	4.91	1070.00	.00	.00	120.00	18.90	9.13
2.140	6113.00	28.35	4.36	1070.00	.00	.00	120.00	18.90	9.13
2.140	7924.00	29.47	4.82	1070.00	.00	.00	120.00	18.90	9.13
2.150	7924.00	29.95	5.11	1450.00	.00	.00	120.00	19.90	6.43
2.150	6113.00	28.87	4.64	1450.00	.00	.00	120.00	19.90	6.43
2.150	7924.00	30.01	5.05	1450.00	.00	.00	120.00	19.90	6.43
2.160	7924.00	30.62	5.52	1500.00	.00	.00	120.00	20.97	8.22
2.160	6113.00	29.52	4.91	1500.00	.00	.00	120.00	20.97	8.22
2.160	7924.00	30.66	5.49	1500.00	.00	.00	120.00	20.97	8.22
2.170	7924.00	31.62	5.68	1800.00	.00	.00	120.00	22.20	13.15
2.170	6113.00	30.45	5.12	1800.00	.00	.00	120.00	22.20	13.15
2.170	7924.00	31.64	5.66	1800.00	.00	.00	120.00	22.20	13.15

SECNO	Q	DWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
2.180	7924.00	32.71	5.57	1800.00	.00	.00	120.00	23.45	15.99
2.180	6113.00	31.49	5.28	1800.00	.00	.00	120.00	23.45	15.99
2.180	7924.00	32.72	5.55	1800.00	.00	.00	120.00	23.45	15.99
2.191	6507.00	33.53	3.31	1300.00	.00	.00	120.00	21.06	33.18
2.191	4661.00	32.31	2.67	1300.00	.00	.00	120.00	21.06	33.18
2.191	6507.00	33.54	3.31	1300.00	.00	.00	120.00	21.06	33.18
2.192	6507.00	33.56	7.39	24.50	37.56	39.06	.01	21.06	33.18
2.192	4661.00	32.33	6.45	24.50	37.56	39.06	.01	21.06	33.18
2.192	6507.00	33.57	7.38	24.50	37.56	39.06	.01	21.06	33.18
2.193	6507.00	33.72	7.21	95.70	.00	.00	.01	21.06	33.18
2.193	4661.00	32.47	6.30	95.70	.00	.00	.01	21.06	33.18
2.193	6507.00	33.73	7.20	95.70	.00	.00	.01	21.06	33.18
* 2.200	6507.00	35.75	9.29	200.00	.00	.00	.01	26.37	33.18
* 2.200	4661.00	35.48	8.16	200.00	.00	.00	.01	26.37	33.18
* 2.200	6507.00	35.75	9.29	200.00	.00	.00	.01	26.37	33.18
* 2.210	6507.00	37.00	4.70	1554.00	.00	.00	.01	28.02	33.18
* 2.210	4661.00	36.92	3.54	1554.00	.00	.00	.01	28.02	33.18
* 2.210	6507.00	37.00	4.70	1554.00	.00	.00	.01	28.02	33.18
* 2.221	703.00	37.08	7.31	800.00	.00	.00	.01	29.06	33.18
* 2.221	508.00	37.09	5.27	800.00	.00	.00	.01	29.06	33.18
* 2.221	703.00	37.08	7.31	800.00	.00	.00	.01	29.06	33.18
2.222	703.00	38.17	1.43	240.00	34.04	38.00	.01	29.06	33.18
2.222	508.00	38.10	1.08	240.00	34.04	38.00	.01	29.06	33.18
2.222	703.00	38.17	1.43	240.00	34.04	38.00	.01	29.06	33.18
2.223	703.00	38.17	.95	100.00	.00	.00	.01	29.06	33.18
2.223	508.00	38.11	.71	100.00	.00	.00	.01	29.06	33.18
2.223	703.00	38.17	.95	100.00	.00	.00	.01	29.06	33.18
2.230	703.00	38.16	1.58	290.00	.00	.00	.01	29.88	33.18
2.230	508.00	38.10	1.25	290.00	.00	.00	.01	29.88	33.18
2.230	703.00	38.16	1.58	290.00	.00	.00	.01	29.88	33.18
2.240	703.00	38.56	3.97	1475.00	.00	.00	.01	31.60	33.18
2.240	508.00	38.36	3.07	1475.00	.00	.00	.01	31.60	33.18
2.240	703.00	38.56	3.97	1475.00	.00	.00	.01	31.60	33.18
2.250	703.00	40.63	3.93	1500.00	.00	.00	.01	33.39	33.18
2.250	508.00	39.85	3.44	1500.00	.00	.00	.01	33.39	33.18
2.250	703.00	40.63	3.93	1500.00	.00	.00	.01	33.39	33.18
2.260	703.00	41.57	3.84	700.00	.00	.00	.01	34.46	33.18
2.260	508.00	40.67	3.46	700.00	.00	.00	.01	34.46	33.18
2.260	703.00	41.57	3.84	700.00	.00	.00	.01	34.46	33.18

X1	1.010	17.000	1440.000	2400.000	2480.000	480.000	1480.000	.000	.000	.000
GR	15.000	.000	14.000	950.000	13.200	1200.000	12.200	1325.000	9.800	1440.000
GR	5.700	1700.000	3.700	1950.000	2.000	1875.000	1.400	1900.000	1.200	1975.000
GR	1.400	2075.000	1.700	2150.000	2.000	2167.000	2.900	2200.000	8.000	2400.000
GR	15.000	4000.000	15.000	7200.000	.000	.000	.000	.000	.000	.000
QT	6.000	22186.000	32077.000	24182.000	34163.000	26709.000	37089.000	.000	.000	.000
X1	1.020	13.000	430.000	1350.000	1100.000	3000.000	2200.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	10.500	10.500	.000
GR	16.500	.000	16.900	48.000	10.100	228.000	9.900	430.000	4.500	685.000
GR	6.400	910.000	2.100	1032.000	1.300	1095.000	1.200	1146.000	2.100	1212.000
GR	8.800	1350.000	15.700	1586.000	16.500	4050.000	.000	.000	.000	.000
SB	1.100	1.560	2.900	.000	320.000	20.000	3200.000	2.000	.000	.000
X1	1.030	.000	.000	.000	30.000	30.000	30.000	.000	.000	.000
X2	.000	.000	1.000	11.200	10.700	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	10.500	10.500	.000
BT	12.000	.000	16.500	.000	1000.000	13.700	.000	1213.000	12.600	.000
BT	1483.000	12.300	.000	1484.000	13.800	.000	1906.000	13.300	.000	1907.000
BT	12.300	.000	2226.000	12.100	.000	2641.000	10.700	.000	3153.000	11.000
BT	.000	3154.000	15.700	.000	4050.000	16.500	.000	.000	.000	.000
X1	1.032	20.000	3430.000	4350.000	1000.000	1000.000	1000.000	.000	.000	.000
GR	21.000	.000	20.000	700.000	15.000	2100.000	16.500	3000.000	16.900	3045.000
GR	10.100	3228.000	9.900	3430.000	4.500	3686.000	6.400	3910.000	2.100	4032.000
GR	1.300	4095.000	1.200	4146.000	2.100	4212.000	8.800	4350.000	15.700	4586.000
GR	5.000	4800.000	5.000	5400.000	15.000	5600.000	16.000	6660.000	18.000	6670.000
X1	1.038	19.000	1404.000	1922.000	1750.000	2800.000	2300.000	.000	.000	.000
GR	20.000	.000	20.000	300.000	14.600	1000.000	11.900	1046.000	5.400	1104.000
GR	5.700	1404.000	5.100	1471.000	2.000	1562.000	.500	1612.000	.500	1693.000
GR	2.600	1716.000	2.800	1723.000	5.700	1922.000	3.400	2002.000	6.000	2445.000
GR	12.800	2475.000	16.900	2529.000	20.000	3200.000	20.000	10300.000	.000	.000
X1	1.040	22.000	3068.000	3588.000	2350.000	1300.000	1700.000	.000	.000	.000
GR	20.000	.000	20.000	650.000	16.000	3000.000	15.700	3024.000	6.000	3068.000
GR	2.100	3242.000	1.100	3252.000	1.100	3288.000	2.100	3312.000	5.900	3378.000
GR	5.700	3402.000	2.800	3408.000	5.300	3450.000	5.500	3516.000	3.300	3522.000
GR	5.800	3538.000	10.500	3698.000	10.000	4000.000	10.000	4600.000	10.000	5300.000
GR	15.000	5600.000	20.000	9500.000	.000	.000	.000	.000	.000	.000
X1	1.050	12.000	2620.000	3076.000	400.000	400.000	400.000	.000	.000	.000
GR	20.000	.000	16.000	2000.000	5.400	2096.000	5.400	2620.000	2.000	2742.000
GR	1.400	2792.000	1.400	2898.000	2.000	2948.000	10.500	3078.000	14.300	3377.000
GR	13.400	3498.000	20.000	9500.000	.000	.000	.000	.000	.000	.000
X1	1.060	19.000	1150.000	1568.000	1500.000	900.000	1450.000	.000	.000	.000
GR	20.000	.000	17.500	500.000	15.100	1000.000	6.000	1150.000	6.000	1363.000
GR	3.400	1396.000	2.200	1476.000	1.400	1495.000	1.400	1530.000	2.200	1550.000
GR	6.400	1566.000	6.200	1583.000	3.400	1627.000	4.900	1808.000	16.300	1938.000
GR	20.000	3000.000	20.000	3475.000	20.000	3810.000	20.000	7000.000	.000	.000

NC	.100	.100	.085	.100	.300	.000	.000	.000	.000	.000
X1	1.315	14.000	1340.000	1600.000	2850.000	2850.000	3000.000	.000	.000	.000
GR	35.000	.000	30.000	740.000	29.000	900.000	28.000	1100.000	26.000	1200.000
GR	25.000	1300.000	20.000	1340.000	15.000	1375.000	12.500	1440.000	15.000	1505.000
GR	20.000	1600.000	25.000	1725.000	30.000	2350.000	35.000	3200.000	.000	.000
X1	1.320	10.000	1485.000	1690.000	2450.000	4550.000	3850.000	.000	.000	.000
GR	35.000	1000.000	30.000	1425.000	25.000	1485.000	16.000	1510.000	15.000	1575.000
GR	16.000	1660.000	25.000	1590.000	30.000	1670.000	35.000	2750.000	40.000	3110.000
NC	.065	.065	.055	.000	.000	.000	.000	.000	.000	.000
BT	6.000	12066.000	14267.000	13494.000	19489.000	15125.000	21394.000	.000	.000	.000
X1	1.330	15.000	1510.000	1640.000	3000.000	500.000	1800.000	.000	.000	.000
GR	35.000	1000.000	30.000	1425.000	25.000	1485.000	20.000	1510.000	17.000	1552.000
GR	17.000	1553.000	15.500	1575.000	16.000	1594.000	16.000	1595.000	19.000	1640.000
GR	20.000	1660.000	25.000	1690.000	30.000	1670.000	35.000	2750.000	40.000	3110.000
X1	1.340	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X2	10.000	.000	.000	.000	.000	.000	.000	34.100	34.100	.000
X1	1.350	.000	.000	.000	42.000	42.000	42.000	.000	.000	.000
X2	10.000	.000	.000	.000	.000	.000	.000	34.100	34.100	.000
BT	20.000	1000.000	35.000	.000	1425.000	34.500	.000	1485.000	34.100	.000
BT	1510.000	34.100	.000	1510.000	36.000	31.500	1552.000	36.000	31.500	1552.000
BT	36.000	.000	1553.000	36.000	.000	1553.000	36.000	31.500	1594.000	36.000
BT	31.500	1594.000	36.000	.000	1595.000	36.000	.000	1595.000	36.000	31.500
BT	1640.000	36.000	31.500	1640.000	34.100	.000	1660.000	34.500	.000	1690.000
BT	35.000	.000	1870.000	35.000	.000	2750.000	36.000	.000	3110.000	41.000
BT	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	1.360	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X1	1.365	17.000	3450.000	3600.000	3400.000	1300.000	2700.000	.000	.000	.000
GR	45.000	.000	44.000	1000.000	43.000	1200.000	42.000	1700.000	41.000	1950.000
GR	40.000	2250.000	35.000	2820.000	30.000	3240.000	25.000	3350.000	20.000	3450.000
GR	16.900	3500.000	16.900	3528.000	25.000	3600.000	30.000	3650.000	35.000	3700.000
GR	40.000	4000.000	42.000	7000.000	.000	.000	.000	.000	.000	.000
BT	6.000	7326.000	7970.000	8388.000	12491.000	9342.000	13882.000	.000	.000	.000
X1	1.370	17.000	3520.000	3620.000	2100.000	2800.000	2300.000	.000	.000	.000
GR	45.000	1000.000	40.000	2400.000	35.000	3095.000	30.000	3450.000	25.000	3500.000
GR	23.600	3520.000	21.800	3545.000	21.800	3545.000	18.300	3570.000	19.300	3579.000
GR	22.100	3595.000	22.100	3595.000	24.100	3620.000	25.000	3630.000	30.000	3660.000
GR	35.000	3950.000	40.000	4280.000	.000	.000	.000	.000	.000	.000
X1	1.380	.000	.000	.000	50.000	50.000	50.000	.000	.000	.000
X2	10.000	.000	.000	.000	.000	.000	.000	39.000	39.000	.000

THIS RUN EXECUTED 10-15-91

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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T1
T2
T3 100 YR INTERMEDIATE DEVELOPMENT with IMPROVEMENTS

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J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HWINS	Q	WSEL	FQ
	-10.	3.	0.	0.	.000000	.00	.5	0.	12.800	.000

MULTIPLE PROFILE RUN WITH INTERPOLATED CROSS SECTIONS

J2	NPROF	IPLDT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	15.000	.000	-1.000	.000	.000	.000	.000	8.000	.000	.000

THIS RUN EXECUTED 10-15-91

 HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
 ERROR CORR - 01,02,03,04,05,06
 MODIFICATION - 50,51,52,53,54,55,56
 IBM-PC-XT VERSION AUGUST 1985

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100 YR EXISTING DEVELOP

SUMMARY PRINTOUT

SECCO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
1.001	46139.00	12.80	3.19	.00	.00	.00	.01	-2.00	.00
1.001	41658.00	12.80	2.88	.00	.00	.00	.01	-2.00	.00
1.002	46139.00	13.45	1.85	6000.00	.00	.00	.01	-2.00	.00
1.002	41658.00	13.34	1.70	6000.00	.00	.00	.01	-2.00	.00
1.003	46139.00	13.78	2.86	4000.00	.00	.00	.01	.50	.00
1.003	41658.00	13.62	2.64	4000.00	.00	.00	.01	.50	.00
1.010	46139.00	14.02	4.47	1480.00	.00	.00	.01	1.20	.00
1.010	41658.00	13.83	4.14	1480.00	.00	.00	.01	1.20	.00
1.020	37089.00	15.09	3.74	2200.00	.00	.00	.01	1.20	.00
1.020	32077.00	14.77	3.36	2200.00	.00	.00	.01	1.20	.00
1.030	37089.00	15.24	3.68	30.00	11.20	10.70	.01	1.20	.00
1.030	32077.00	14.93	3.30	30.00	11.20	10.70	.01	1.20	.00
1.032	37089.00	15.59	2.47	1000.00	.00	.00	.01	1.20	.00
1.032	32077.00	15.22	2.23	1000.00	.00	.00	.01	1.20	.00
1.038	37089.00	15.96	3.18	2300.00	.00	.00	.01	.50	.00
1.038	32077.00	15.53	2.86	2300.00	.00	.00	.01	.50	.00
1.040	37089.00	16.29	3.39	1700.00	.00	.00	.01	1.10	.00
1.040	32077.00	15.82	3.15	1700.00	.00	.00	.01	1.10	.00
1.050	37089.00	16.35	3.91	400.00	.00	.00	.01	1.40	.00
1.050	32077.00	15.88	3.56	400.00	.00	.00	.01	1.40	.00
1.060	37089.00	16.76	4.96	1450.00	.00	.00	.01	1.40	.00
1.060	32077.00	16.24	4.51	1450.00	.00	.00	.01	1.40	.00

SECNO	G	CWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
1.070	37089.00	17.35	2.72	1600.00	.00	.00	.01	.10	.00
1.070	32077.00	16.75	2.47	1600.00	.00	.00	.01	.10	.00
1.080	37089.00	17.50	3.55	1000.00	.00	.00	.01	.00	.00
1.080	32077.00	16.88	3.29	1000.00	.00	.00	.01	.00	.00
1.090	37089.00	18.05	3.15	2300.00	.00	.00	.01	.10	.00
1.090	32077.00	17.39	2.93	2300.00	.00	.00	.01	.10	.00
1.100	37089.00	18.25	6.55	1500.00	.00	.00	.01	.00	.00
1.100	32077.00	17.58	6.11	1500.00	.00	.00	.01	.00	.00
1.105	37089.00	19.15	2.15	2800.00	.00	.00	.01	1.30	.00
1.105	32077.00	18.41	2.03	2800.00	.00	.00	.01	1.30	.00
1.110	37712.00	19.01	4.73	50.00	.00	.00	.01	1.00	.00
1.110	32489.00	18.26	4.60	50.00	.00	.00	.01	1.00	.00
1.120	37712.00	19.01	4.73	45.00	12.40	15.30	.01	1.00	.00
1.120	32489.00	18.26	4.60	45.00	12.40	15.30	.01	1.00	.00
1.130	37712.00	19.08	4.51	50.00	.00	.00	.01	.60	.00
1.130	32489.00	18.32	4.52	50.00	.00	.00	.01	.60	.00
1.140	37712.00	19.78	3.36	2000.00	.00	.00	.01	.60	.00
1.140	32489.00	19.05	3.12	2000.00	.00	.00	.01	.60	.00
1.150	37712.00	20.18	3.03	1700.00	.00	.00	.01	2.10	.00
1.150	32489.00	19.41	2.89	1700.00	.00	.00	.01	2.10	.00
1.160	37712.00	20.70	3.28	2380.00	.00	.00	.01	1.50	.00
1.160	32489.00	19.91	3.05	2380.00	.00	.00	.01	1.50	.00
1.170	36193.00	21.22	3.83	2000.00	.00	.00	.01	2.00	.00
1.170	30839.00	20.39	3.63	2000.00	.00	.00	.01	2.00	.00
1.180	36193.00	21.35	4.04	200.00	.00	.00	.01	-1.10	.00
1.180	30839.00	20.48	4.04	200.00	.00	.00	.01	-1.10	.00
1.190	36193.00	21.43	3.97	30.00	14.50	16.60	.01	-1.10	.00
1.190	30839.00	20.61	3.95	30.00	14.50	16.60	.01	-1.10	.00
1.200	36193.00	21.44	3.72	50.00	.00	.00	.01	.00	.00
1.200	30839.00	20.62	3.53	50.00	.00	.00	.01	.00	.00
1.210	36193.00	22.69	5.13	3220.00	.00	.00	.01	.50	.00
1.210	30839.00	21.84	4.87	3220.00	.00	.00	.01	.50	.00
1.220	36193.00	23.59	2.64	3700.00	.00	.00	.01	-11.60	.00
1.220	30839.00	22.69	2.46	3700.00	.00	.00	.01	-11.60	.00

	SECNO	B	DWBEL	VDH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
*	1.230	36078.00	24.22	8.36	2800.00	.00	.00	.01	.20	.00
*	1.230	30617.00	23.38	8.01	2800.00	.00	.00	.01	.20	.00
	1.240	36078.00	29.10	3.33	2270.00	.00	.00	.01	-2.50	.00
	1.240	30617.00	27.30	3.28	2270.00	.00	.00	.01	-2.50	.00
	1.250	36078.00	29.24	3.26	2000.00	.00	.00	.01	1.30	.00
	1.250	30617.00	28.43	3.11	2000.00	.00	.00	.01	1.30	.00
	1.260	36078.00	30.32	2.07	4000.00	.00	.00	.01	2.60	.00
	1.260	30617.00	29.44	1.94	4000.00	.00	.00	.01	2.60	.00
	1.270	23170.00	30.75	2.73	2600.00	.00	.00	.01	2.80	.00
	1.270	16768.00	29.82	2.26	2600.00	.00	.00	.01	2.80	.00
	1.280	23170.00	30.76	2.73	50.00	.00	.00	.01	2.80	.00
	1.280	16768.00	29.83	2.26	50.00	.00	.00	.01	2.80	.00
	1.290	23170.00	30.76	2.93	25.00	22.80	25.20	.01	2.80	.00
	1.290	16768.00	29.82	2.90	25.00	22.80	25.20	.01	2.80	.00
	1.300	23170.00	30.80	2.71	50.00	.00	.00	.01	2.80	.00
	1.300	16768.00	29.88	2.24	50.00	.00	.00	.01	2.80	.00
	1.305	23170.00	31.41	2.73	2750.00	.00	.00	.01	15.00	.00
	1.305	16768.00	30.37	2.60	2750.00	.00	.00	.01	15.00	.00
	1.310	23170.00	33.11	3.39	2725.00	.00	.00	.01	10.00	.00
	1.310	16768.00	31.97	3.00	2725.00	.00	.00	.01	10.00	.00
	1.315	23170.00	34.56	2.23	3000.00	.00	.00	.01	12.50	.00
	1.315	16768.00	33.21	1.97	3000.00	.00	.00	.01	12.50	.00
	1.320	23170.00	36.35	3.54	3850.00	.00	.00	.01	15.00	.00
	1.320	16768.00	34.79	3.24	3850.00	.00	.00	.01	15.00	.00
	1.330	21394.00	37.08	3.28	1800.00	.00	.00	.01	15.50	.00
	1.330	14267.00	35.48	2.85	1800.00	.00	.00	.01	15.50	.00
	1.340	21394.00	37.09	3.28	50.00	.00	.00	.01	15.50	.00
	1.340	14267.00	35.49	2.85	50.00	.00	.00	.01	15.50	.00
	1.350	21394.00	36.87	6.51	42.00	31.50	34.10	.01	15.50	.00
	1.350	14267.00	34.92	7.78	42.00	31.50	34.10	.01	15.50	.00
	1.360	21394.00	37.32	3.16	50.00	.00	.00	.01	15.50	.00
*	1.360	14267.00	35.90	2.65	50.00	.00	.00	.01	15.50	.00
	1.365	21394.00	38.05	3.53	2700.00	.00	.00	.01	16.90	.00
	1.365	14267.00	36.46	2.85	2700.00	.00	.00	.01	16.90	.00

SECNO	G	CWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
1.370	13882.00	38.82	2.96	2300.00	.00	.00	.01	18.30	.00
1.370	7930.00	37.02	2.30	2300.00	.00	.00	.01	18.30	.00
*	1.380	13882.00	38.14	8.27	50.00	.00	.00	18.30	.00
	1.380	7930.00	36.78	5.14	50.00	.00	.00	18.30	.00
	1.390	13882.00	37.93	9.96	26.00	37.30	39.00	18.30	.00
	1.390	7930.00	36.73	5.91	26.00	37.30	39.00	18.30	.00
*	1.400	13882.00	39.59	2.61	49.99	.00	.00	18.30	.00
*	1.400	7930.00	37.30	2.19	50.00	.00	.00	18.30	.00
	1.401	13882.00	40.20	2.36	50.00	25.00	30.00	18.30	.00
	1.401	7930.00	37.66	2.05	50.00	25.00	30.00	18.30	.00
	1.402	13882.00	40.24	.59	25.00	.00	.00	1000.00	18.30
	1.402	7930.00	37.70	.39	25.00	.00	.00	1000.00	18.30
	1.410	13882.00	40.24	.87	1775.00	.00	.00	1000.00	25.00
	1.410	7930.00	37.70	.60	1775.00	.00	.00	1000.00	25.00
	1.420	13882.00	40.23	1.31	200.00	.00	.00	1000.00	30.00
	1.420	7930.00	37.70	1.01	200.00	.00	.00	1000.00	30.00
	1.430	13882.00	40.20	2.62	250.00	.00	.00	1000.00	35.00
	1.430	7930.00	37.64	2.98	250.00	.00	.00	1000.00	35.00
	1.431	13882.00	40.60	2.43	1000.00	.00	.00	1000.00	35.00
	1.431	7930.00	38.51	2.24	1000.00	.00	.00	1000.00	35.00
	1.432	13882.00	41.20	2.13	2000.00	.00	.00	1000.00	35.50
	1.432	7930.00	39.37	1.91	2000.00	.00	.00	1000.00	35.50
	1.433	13882.00	41.54	1.70	2000.00	.00	.00	1000.00	34.00
	1.433	7930.00	39.73	1.34	2000.00	.00	.00	1000.00	34.00
	1.434	13882.00	41.92	2.89	2000.00	.00	.00	1000.00	37.40
	1.434	7930.00	40.14	2.85	2000.00	.00	.00	1000.00	37.40
	1.435	13882.00	42.93	2.56	2000.00	.00	.00	1000.00	37.60
	1.435	7930.00	41.46	2.03	2000.00	.00	.00	1000.00	37.60
	1.436	13882.00	43.75	2.29	2400.00	.00	.00	1000.00	37.80
	1.436	7930.00	42.21	1.78	2400.00	.00	.00	1000.00	37.80
	1.437	13882.00	44.29	2.32	1900.00	.00	.00	1000.00	38.40
	1.437	7930.00	42.70	1.82	1900.00	.00	.00	1000.00	38.40
	1.440	9730.00	44.96	1.46	3600.00	.00	.00	1000.00	38.40
	1.440	9730.00	43.56	1.86	3600.00	.00	.00	1000.00	38.40

	SECND	D	CWSEL	VCH	XLCH	ELLC	ELTRD	BW	ELMIN	VEXR
	1.450	9730.00	44.97	1.45	50.00	.00	.00	1000.00	38.40	8.99
	1.450	9730.00	43.57	1.86	50.00	.00	.00	1000.00	38.40	8.99
*	1.460	9730.00	48.08	8.69	26.00	48.10	49.50	80.00	38.40	2.41
	1.460	9730.00	43.58	17.44	26.00	46.10	49.50	80.00	38.40	2.41
*	1.470	9730.00	49.32	2.68	49.99	.00	.00	80.00	38.40	.27
*	1.470	9730.00	48.72	3.03	50.00	.00	.00	80.00	38.40	.27
	1.475	9730.00	49.63	3.32	1300.00	.00	.00	80.00	39.50	5.34
	1.475	9730.00	49.13	3.64	1300.00	.00	.00	80.00	39.50	5.34
	1.480	9730.00	51.60	4.66	4000.00	.00	.00	80.00	45.00	8.64
	1.480	9730.00	51.55	4.74	4000.00	.00	.00	80.00	45.00	8.64
	1.485	9730.00	54.27	5.75	2000.00	.00	.00	80.00	47.00	3.15
	1.485	9730.00	54.28	5.73	2000.00	.00	.00	80.00	47.00	3.15
	1.491	9289.00	55.65	3.18	2050.00	.00	.00	80.00	44.40	16.82
	1.491	9289.00	55.65	3.19	2050.00	.00	.00	80.00	44.40	16.82
*	1.492	9289.00	55.35	7.52	200.00	.00	.00	80.00	44.40	2.95
*	1.492	9289.00	55.35	7.53	200.00	.00	.00	80.00	44.40	2.95
	1.493	9289.00	55.51	7.39	40.00	58.40	59.90	.01	44.40	2.95
	1.493	9289.00	55.50	7.39	40.00	58.40	59.90	.01	44.40	2.95
	1.494	9289.00	55.41	8.53	20.00	.00	.00	.01	44.90	2.95
	1.494	9289.00	55.40	8.53	20.00	.00	.00	.01	44.90	2.95
	1.495	9289.00	55.53	8.42	40.00	58.90	59.90	.01	44.90	2.95
	1.495	9289.00	55.53	8.42	40.00	58.90	59.90	.01	44.90	2.95
*	1.496	9289.00	54.95	15.91	50.00	.00	.00	.01	44.50	2.95
*	1.496	9289.00	54.95	15.91	50.00	.00	.00	.01	44.50	2.95
	1.497	9289.00	56.87	7.01	10.00	58.50	61.00	70.00	44.50	.25
	1.497	9289.00	56.87	7.01	10.00	58.50	61.00	70.00	44.50	.25
*	1.498	9289.00	58.87	4.03	200.00	.00	.00	70.00	44.57	6.10
*	1.498	9289.00	58.87	4.03	200.00	.00	.00	70.00	44.57	6.09
	1.525	9289.00	60.83	5.40	4125.00	.00	.00	70.00	46.01	132.51
	1.525	9289.00	60.83	5.40	4125.00	.00	.00	70.00	46.01	132.51
	1.530	5719.00	61.73	1.79	2400.00	.00	.00	70.00	46.85	58.95
	1.530	5719.00	61.73	1.79	2400.00	.00	.00	70.00	46.85	58.95
	1.540	5719.00	61.80	1.75	1000.00	.00	.00	40.00	47.50	9.11
	1.540	5719.00	61.80	1.75	1000.00	.00	.00	40.00	47.50	9.11

SECNO	G	DWSEL	VCH	XLDH	ELLC	ELTRD	BW	ELMIN	VEXR
1.541	5719.00	61.64	4.95	100.00	.00	.00	40.00	47.57	1.19
1.541	5719.00	61.64	4.95	100.00	.00	.00	40.00	47.57	1.19
1.542	5719.00	62.99	2.74	35.00	62.00	62.10	40.00	47.60	.60
1.542	5719.00	62.99	2.74	35.00	62.00	62.10	40.00	47.60	.60
1.543	5719.00	63.05	2.49	200.00	.00	.00	40.00	47.74	2.37
1.543	5719.00	63.05	2.49	200.00	.00	.00	40.00	47.74	2.37
1.550	5719.00	63.38	2.29	2305.00	.00	.00	40.00	49.43	11.99
1.550	5719.00	63.38	2.29	2305.00	.00	.00	40.00	49.43	11.99
1.560	5719.00	63.59	1.12	2640.00	.00	.00	40.00	51.35	7.45
1.560	5719.00	63.59	1.12	2640.00	.00	.00	40.00	51.35	7.45
* 1.561	5719.00	63.36	6.32	100.00	.00	.00	40.00	51.43	1.51
* 1.561	5719.00	63.36	6.32	100.00	.00	.00	40.00	51.43	1.51
* 1.562	5719.00	64.31	5.65	30.00	65.10	66.00	40.00	51.43	.43
* 1.562	5719.00	64.31	5.65	30.00	65.10	66.00	40.00	51.43	.43
1.563	5719.00	64.52	5.60	200.00	.00	.00	40.00	51.57	.00
1.563	5719.00	64.52	5.60	200.00	.00	.00	40.00	51.57	.00
1.570	5719.00	66.41	4.56	2070.00	.00	.00	40.00	53.08	20.59
1.570	5719.00	66.41	4.56	2070.00	.00	.00	40.00	53.08	20.59
1.580	5719.00	68.11	5.40	2400.00	.00	.00	40.00	54.84	23.11
1.580	5719.00	68.11	5.40	2400.00	.00	.00	40.00	54.84	23.11
1.590	5719.00	70.20	4.95	2400.00	.00	.00	40.00	56.59	24.34
1.590	5719.00	70.20	4.95	2400.00	.00	.00	40.00	56.59	24.34
1.600	5700.00	72.25	4.81	2800.00	.00	.00	40.00	58.63	26.41
1.600	5700.00	72.25	4.81	2800.00	.00	.00	40.00	58.63	26.41

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*****
* WATER SURFACE PROFILES
* VERSION OF NOVEMBER 1976
* UPDATED MAY 1984
* IBM-PC-XT VERSION AUGUST 1985
* RUN DATE 10-03-91 TIME 02:02:08
*****
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RUN 13

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*****
* U.S. ARMY CORPS OF ENGINEERS
* THE HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET, SUITE D
* DAVIS, CALIFORNIA 95616
* (916) 440-2105 (FTS) 448-2105
*****
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X   X  XXXXXXX  XXXXX          XXXXX
X   X X        X   X          X   X
X   X X        X                X
XXXXXXXX XXXX  X          XXXXX  XXXXX
X   X X        X                X
X   X X        X   X          X
X   X  XXXXXXX  XXXXX          XXXXXXX
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THIS RUN EXECUTED 10-03-91

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*****
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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FR
T1 1990DEV./5YR STORM
T2 STORMWATER MASTER PLAN STUDY - WALKER ENGINEERING INC.
T3 SALT FLATS DRAINAGEWAY
    
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J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FD
	0.	2.	0.	0.	.000000	.00	.0	0.	3.000	.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	43.000	1.000	26.000	39.000	41.000	40.000	60.000	35.000	59.000
J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	.000	.000	.000	.000	.000	.000	.000	.000
NC	.035	.035	.035	.100	.300	.000	.000	.000	.000	.000
QT	4.000	1628.000	1815.000	2121.000	2595.000	.000	.000	.000	.000	.000
X1	1.000	4.000	.000	66.000	.000	.000	.000	.000	.000	.000
BR	10.000	.000	-3.000	13.000	-3.000	53.000	10.000	66.000	.000	.000
X1	1.900	4.000	.000	64.000	640.000	640.000	640.000	.000	.000	.000
BR	10.000	.000	-2.000	12.000	-2.000	52.000	10.000	64.000	.000	.000
X1	1.910	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.100	.000	.000	.000	.000
QT	4.000	1600.000	1863.000	2176.000	2660.000	.000	.000	.000	.000	.000
NC	.020	.020	.020	.000	.000	.000	.000	.000	.000	.000
X1	2.000	4.000	.000	60.000	10.000	10.000	10.000	.000	.000	.000
BR	10.000	.000	.000	10.000	.000	50.000	10.000	60.000	.000	.000

THIS RUN EXECUTED 10-03-91

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*****
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SALT FLATS DRAINAGEWAY

SUMMARY PRINTOUT

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	DCHP	QLOBP	QROBP
1.000	1628.00	3.00	5.90	.00	.00	.00	100.00	.00	.00
1.000	1815.00	3.00	6.58	.00	.00	.00	100.00	.00	.00
1.000	2121.00	3.00	7.68	.00	.00	.00	100.00	.00	.00
1.000	2595.00	3.00	9.40	.00	.00	.00	100.00	.00	.00
1.900	1628.00	4.42	5.46	640.00	.00	.00	100.00	.00	.00
1.900	1815.00	4.70	5.80	640.00	.00	.00	100.00	.00	.00
1.900	2121.00	5.18	6.26	640.00	.00	.00	100.00	.00	.00
1.900	2595.00	5.96	6.80	640.00	.00	.00	100.00	.00	.00
*	1.910	1628.00	4.52	5.36	1.00	.00	100.00	.00	.00
*	1.910	1815.00	4.80	5.70	1.00	.00	100.00	.00	.00
*	1.910	2121.00	5.28	6.16	1.00	.00	100.00	.00	.00
*	1.910	2595.00	6.06	6.70	1.00	.00	100.00	.00	.00
2.000	1600.00	3.93	9.27	10.00	.00	.00	100.00	.00	.00
*	2.000	1863.00	3.93	10.79	10.00	.00	100.00	.00	.00
*	2.000	2176.00	4.33	11.33	10.00	.00	100.00	.00	.00
2.000	2660.00	5.17	11.36	10.00	.00	.00	100.00	.00	.00
2.010	1600.00	6.29	5.50	1180.00	.00	.00	100.00	.00	.00
2.010	1863.00	6.89	5.76	1180.00	.00	.00	100.00	.00	.00
2.010	2176.00	7.46	6.14	1180.00	.00	.00	100.00	.00	.00
2.010	2660.00	8.18	6.75	1180.00	.00	.00	100.00	.00	.00
*	2.020	1600.00	8.21	4.04	1.00	.00	100.00	.00	.00
*	2.020	1863.00	8.81	4.33	1.00	.00	100.00	.00	.00
*	2.020	2176.00	9.38	4.70	1.00	.00	100.00	.00	.00
*	2.020	2660.00	10.10	5.26	1.00	.00	100.00	.00	.00
2.210	1600.00	8.06	5.54	10.00	.00	.00	100.00	.00	.00
2.210	1863.00	8.64	5.92	10.00	.00	.00	100.00	.00	.00
2.210	2176.00	9.18	6.41	10.00	.00	.00	100.00	.00	.00
2.210	2660.00	9.85	7.17	10.00	.00	.00	100.00	.00	.00

	SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
	2.220	1600.00	8.23	6.06	671.00	.00	.00	100.00	.00	.00
	2.220	1863.00	8.81	6.44	671.00	.00	.00	100.00	.00	.00
	2.220	2176.00	9.37	6.93	671.00	.00	.00	100.00	.00	.00
	2.220	2660.00	10.07	7.69	671.00	.00	.00	100.00	.00	.00
	2.230	1600.00	8.58	4.03	10.00	.00	.00	100.00	.00	.00
	2.230	1863.00	9.21	4.29	10.00	.00	.00	100.00	.00	.00
	2.230	2176.00	9.83	4.62	10.00	.00	.00	100.00	.00	.00
	2.230	2660.00	10.64	5.11	10.00	.00	.00	100.00	.00	.00
†	2.240	1600.00	9.98	3.33	1.00	.00	.00	100.00	.00	.00
†	2.240	1863.00	10.61	3.59	1.00	.00	.00	100.00	.00	.00
†	2.240	2176.00	11.23	3.91	1.00	.00	.00	100.00	.00	.00
†	2.240	2660.00	12.04	4.39	1.00	.00	.00	100.00	.00	.00
	2.250	1600.00	10.10	3.61	1486.00	.00	.00	100.00	.00	.00
	2.250	1863.00	10.74	3.87	1486.00	.00	.00	100.00	.00	.00
	2.250	2176.00	11.37	4.19	1486.00	.00	.00	100.00	.00	.00
	2.250	2660.00	12.20	4.67	1486.00	.00	.00	100.00	.00	.00
†	3.000	1600.00	10.70	3.34	1.00	.00	.00	100.00	.00	.00
†	3.000	1863.00	11.34	3.60	1.00	.00	.00	100.00	.00	.00
†	3.000	2176.00	11.97	3.91	1.00	.00	.00	100.00	.00	.00
†	3.000	2660.00	12.80	4.39	1.00	.00	.00	100.00	.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

NOTE	SECNO=	1.910	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 4	WSEL BASED ON X2 CARD
CAUTION	SECNO=	2.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	2.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
NOTE	SECNO=	2.020	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 4	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 4	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 4	WSEL BASED ON X2 CARD


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*****
* WATER SURFACE PROFILES *
* VERSION OF NOVEMBER 1976 *
* UPDATED MAY 1984 *
* IBM-PC-XT VERSION AUGUST 1985 *
* RUN DATE 10-03-91 TIME 03:02:15 *
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RUN 14

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*****
* U.S. ARMY CORPS OF ENGINEERS *
* THE HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616 *
* (916) 440-2105 (FTS) 448-2105 *
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X   X  XXXXXXXX  XXXXX          XXXXX
X   X  X         X   X          X   X
X   X  X         X           X   X
XXXXXXX  XXXX  X           XXXXX  XXXXX
X   X  X         X           X
X   X  X         X   X          X
X   X  XXXXXXXX  XXXXX          XXXXXXXX
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THIS RUN EXECUTED 10-03-91

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*****
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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FR
T1 1990DEV./5YR STORM
T2 STORMWATER MASTER PLAN STUDY - WALKER ENGINEERING INC.
T3 SALT FLATS DRAINAGEWAY with IMPROVEMENTS
    
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J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	G	WSEL	FD
	0.	2.	0.	0.	.000000	.00	.0	0.	3.000	.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	43.000	1.000	26.000	39.000	41.000	40.000	60.000	35.000	59.000

J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	.000	.000	.000	.000	.000	.000	.000	.000

NC	.035	.035	.035	.100	.300	.000	.000	.000	.000	.000
QT	4.000	1628.000	1815.000	2121.000	2595.000	.000	.000	.000	.000	.000
X1	1.000	4.000	.000	66.000	.000	.000	.000	.000	.000	.000
GR	10.000	.000	-3.000	13.000	-3.000	53.000	10.000	66.000	.000	.000
X1	1.900	4.000	.000	64.000	640.000	640.000	640.000	.000	.000	.000
GR	10.000	.000	-2.000	12.000	-2.000	52.000	10.000	64.000	.000	.000
X1	1.910	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.100	.000	.000	.000	.000
QT	4.000	1600.000	1863.000	2176.000	2660.000	.000	.000	.000	.000	.000
NC	.020	.020	.020	.000	.000	.000	.000	.000	.000	.000
X1	2.000	4.000	.000	60.000	10.000	10.000	10.000	.000	.000	.000
GR	10.000	.000	.000	10.000	.000	50.000	10.000	60.000	.000	.000

THIS RUN EXECUTED 10-03-91

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*****
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
*****
    
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SALT FLATS DRAINAGEWAY

SUMMARY PRINTOUT

SECNO	B	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
1.000	1628.00	3.00	5.90	.00	.00	.00	100.00	.00	.00
1.000	1815.00	3.00	6.58	.00	.00	.00	100.00	.00	.00
1.000	2121.00	3.00	7.68	.00	.00	.00	100.00	.00	.00
1.000	2595.00	3.00	9.40	.00	.00	.00	100.00	.00	.00
1.900	1628.00	4.42	5.46	640.00	.00	.00	100.00	.00	.00
1.900	1815.00	4.70	5.80	640.00	.00	.00	100.00	.00	.00
1.900	2121.00	5.18	6.26	640.00	.00	.00	100.00	.00	.00
1.900	2595.00	5.96	6.80	640.00	.00	.00	100.00	.00	.00
*	1.910	1628.00	4.52	5.36	1.00	.00	100.00	.00	.00
*	1.910	1815.00	4.80	5.70	1.00	.00	100.00	.00	.00
*	1.910	2121.00	5.28	6.16	1.00	.00	100.00	.00	.00
*	1.910	2595.00	6.06	6.70	1.00	.00	100.00	.00	.00
	2.000	1600.00	3.93	9.27	10.00	.00	100.00	.00	.00
*	2.000	1863.00	3.93	10.79	10.00	.00	100.00	.00	.00
*	2.000	2176.00	4.33	11.33	10.00	.00	100.00	.00	.00
	2.000	2660.00	5.17	11.36	10.00	.00	100.00	.00	.00
	2.010	1600.00	6.29	5.50	1180.00	.00	100.00	.00	.00
	2.010	1863.00	6.89	5.76	1180.00	.00	100.00	.00	.00
	2.010	2176.00	7.46	6.14	1180.00	.00	100.00	.00	.00
	2.010	2660.00	8.18	6.75	1180.00	.00	100.00	.00	.00
*	2.020	1600.00	6.79	5.03	1.00	.00	100.00	.00	.00
*	2.020	1863.00	7.39	5.32	1.00	.00	100.00	.00	.00
*	2.020	2176.00	7.96	5.70	1.00	.00	100.00	.00	.00
*	2.020	2660.00	8.68	6.29	1.00	.00	100.00	.00	.00
	2.210	1600.00	6.51	7.17	10.00	.00	100.00	.00	.00
	2.210	1863.00	7.09	7.55	10.00	.00	100.00	.00	.00
	2.210	2176.00	7.61	8.08	10.00	.00	100.00	.00	.00
	2.210	2660.00	8.25	8.94	10.00	.00	100.00	.00	.00

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
2.220	1600.00	6.91	7.64	671.00	.00	.00	100.00	.00	.00
2.220	1863.00	7.48	9.00	671.00	.00	.00	100.00	.00	.00
2.220	2176.00	8.03	8.51	671.00	.00	.00	100.00	.00	.00
2.220	2660.00	8.73	9.31	671.00	.00	.00	100.00	.00	.00
2.230	1600.00	7.53	4.75	10.00	.00	.00	100.00	.00	.00
2.230	1863.00	8.15	5.00	10.00	.00	.00	100.00	.00	.00
2.230	2176.00	8.79	5.32	10.00	.00	.00	100.00	.00	.00
2.230	2660.00	9.64	5.78	10.00	.00	.00	100.00	.00	.00
‡	2.240	1600.00	8.03	4.38	1.00	.00	100.00	.00	.00
‡	2.240	1863.00	8.65	4.64	1.00	.00	100.00	.00	.00
‡	2.240	2176.00	9.29	4.96	1.00	.00	100.00	.00	.00
‡	2.240	2660.00	10.14	5.43	1.00	.00	100.00	.00	.00
2.250	1600.00	8.31	4.72	1486.00	.00	.00	100.00	.00	.00
2.250	1863.00	8.94	4.96	1486.00	.00	.00	100.00	.00	.00
2.250	2176.00	9.59	5.27	1486.00	.00	.00	100.00	.00	.00
2.250	2660.00	10.46	5.72	1486.00	.00	.00	100.00	.00	.00
‡	3.000	1600.00	8.91	4.29	1.00	.00	100.00	.00	.00
‡	3.000	1863.00	9.54	4.54	1.00	.00	100.00	.00	.00
‡	3.000	2176.00	10.19	4.85	1.00	.00	100.00	.00	.00
‡	3.000	2660.00	11.06	5.31	1.00	.00	100.00	.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

NOTE	SECNO=	1.910	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 4	WSEL BASED ON X2 CARD
CAUTION	SECNO=	2.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	2.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
NOTE	SECNO=	2.020	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 4	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 4	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 4	WSEL BASED ON X2 CARD

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*****
* WATER SURFACE PROFILES *
* VERSION OF NOVEMBER 1976 *
* UPDATED MAY 1984 *
* IBM-PC-XT VERSION AUGUST 1985 *
* RUN DATE 10-03-91 TIME 00:55:44 *
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RUN 15

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* U.S. ARMY CORPS OF ENGINEERS *
* THE HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616 *
* (916) 440-2105 (FTS) 448-2105 *
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X   X XXXXXXXX XXXXX          XXXXX
X   X X      X   X          X   X
X   X X      X           X           X
XXXXXXXX XXXX   X           XXXXX   XXXXX
X   X X      X           X           X
X   X X      X   X          X           X
X   X XXXXXXXX XXXXX          XXXXXXXX
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NC	.050	.045	.040	.100	.300	.000	.000	.000	.000	.000
X1	3.000	29.000	5840.000	5940.000	2900.000	6000.000	6400.000	.000	.000	.000
GR	75.000	.000	70.000	100.000	65.000	500.000	60.000	600.000	55.000	5300.000
GR	50.000	5400.000	45.000	5450.000	40.000	5500.000	35.000	5550.000	30.000	5600.000
GR	25.000	5700.000	20.000	5800.000	15.000	5810.000	10.000	5820.000	5.000	5830.000
GR	.000	5840.000	-5.000	5850.000	-6.500	5890.000	-5.000	5930.000	.000	5940.000
GR	5.000	5950.000	10.000	6200.000	10.000	6500.000	5.000	8000.000	5.000	22000.000
GR	10.000	23000.000	15.000	24000.000	25.000	28000.000	75.000	28001.000	.000	.000
X1	4.000	25.000	6500.000	6600.000	2350.000	4450.000	4500.000	.000	.000	.000
GR	75.000	.000	70.000	400.000	65.000	500.000	60.000	600.000	55.000	700.000
GR	50.000	5400.000	45.000	5410.000	40.000	5420.000	35.000	5440.000	30.000	5450.000
GR	25.000	6400.000	20.000	6420.000	15.000	6480.000	10.000	6490.000	.000	6500.000
GR	-3.500	6550.000	.000	6600.000	5.000	6650.000	10.000	6670.000	10.000	7400.000
GR	5.000	8200.000	10.000	11000.000	10.000	22000.000	25.000	24000.000	75.000	24001.000
X1	5.000	15.000	12400.000	12500.000	7500.000	7500.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	500.000	25.000	2000.000	15.000	2500.000	15.000	12390.000
GR	-2.300	12400.000	-2.300	12500.000	10.000	12510.000	15.000	13500.000	20.000	18000.000
GR	10.000	19800.000	10.000	25500.000	25.000	26900.000	50.000	27900.000	75.000	28500.000
X1	6.000	15.000	9280.000	9380.000	3000.000	5000.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	400.000	25.000	700.000	15.000	1000.000	15.000	9260.000
GR	.000	9270.000	-2.200	9280.000	-2.200	9380.000	.000	9390.000	15.000	9400.000
GR	10.000	11900.000	25.000	17900.000	50.000	18400.000	50.000	20400.000	75.000	21900.000
X1	7.000	14.000	7540.000	7640.000	4000.000	3700.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	300.000	25.000	600.000	15.000	800.000	15.000	7520.000
GR	.000	7530.000	-2.100	7540.000	-2.100	7640.000	.000	7650.000	15.000	7700.000
GR	15.000	14000.000	25.000	15200.000	50.000	16000.000	75.000	19500.000	.000	.000
X1	8.000	14.000	4560.000	4670.000	4500.000	3500.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	440.000	25.000	2000.000	20.000	4000.000	15.000	4540.000
GR	.000	4550.000	-2.000	4560.000	-2.000	4670.000	.000	4680.000	15.000	4700.000
GR	15.000	13400.000	25.000	14100.000	50.000	15900.000	75.000	17000.000	.000	.000
NC	.085	.085	.550	.100	.300	.000	.000	.000	.000	.000
X1	9.000	21.000	11780.000	11890.000	6500.000	6500.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	4700.000	45.000	5000.000	40.000	7000.000	25.000	7200.000
GR	20.000	7400.000	20.000	9900.000	25.000	10000.000	25.000	10600.000	20.000	10700.000
GR	15.000	11760.000	.000	11770.000	-1.900	11780.000	-1.900	11890.000	.000	11890.000
GR	15.000	11900.000	15.000	19500.000	25.000	21200.000	50.000	21400.000	50.000	22700.000
GR	75.000	24200.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.000	25.000	10670.000	10770.000	3500.000	3500.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	400.000	25.000	700.000	20.000	3600.000	20.000	5900.000
GR	15.000	6900.000	20.000	10300.000	15.000	10640.000	10.000	10650.000	.000	10660.000
GR	-1.800	10670.000	-1.800	10770.000	.000	10780.000	10.000	10790.000	15.000	10800.000
GR	15.000	11100.000	20.000	14700.000	25.000	15100.000	28.000	17300.000	25.000	19000.000
GR	19.000	19700.000	25.000	20500.000	35.000	21400.000	50.000	22900.000	75.000	23400.000

X1	11.000	20.000	8365.000	8465.000	6000.000	11000.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	300.000	25.000	700.000	20.000	1800.000	20.000	3500.000
GR	15.000	8350.000	10.000	8355.000	.000	8360.000	-1.700	8365.000	-1.700	8465.000
GR	.000	8470.000	10.000	8475.000	15.000	8480.000	20.000	8490.000	25.000	8500.000
GR	25.000	10700.000	20.000	13700.000	25.000	17300.000	50.000	19900.000	75.000	20200.000
X1	12.000	24.000	11460.000	11560.000	5300.000	3000.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	1100.000	35.000	1600.000	35.000	3900.000	25.000	4000.000
GR	25.000	7300.000	25.000	9800.000	15.000	11430.000	10.000	11440.000	.000	11450.000
GR	-1.600	11460.000	-1.600	11560.000	.000	11570.000	10.000	11580.000	15.000	11590.000
GR	20.000	11600.000	25.000	13500.000	20.000	15500.000	25.000	16000.000	35.000	17900.000
GR	25.000	21700.000	25.000	22500.000	50.000	24700.000	75.000	26000.000	.000	.000
X1	13.000	23.000	14034.000	14098.000	3500.000	8660.000	7500.000	.000	.000	.000
GR	75.000	.000	60.000	500.000	50.000	1700.000	40.000	2500.000	25.000	4400.000
GR	25.000	8200.000	20.000	10600.000	19.400	13980.000	7.500	14020.000	2.500	14034.000
GR	.500	14066.000	2.500	14098.000	8.400	14110.000	23.000	14180.000	25.000	15600.000
GR	30.000	18000.000	35.000	18500.000	40.000	19000.000	45.000	21500.000	48.000	23000.000
GR	50.000	26500.000	55.000	28000.000	75.000	29500.000	.000	.000	.000	.000
X1	14.100	.000	.000	.000	300.000	300.000	300.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	32.000	32.000	.000
SB	1.200	1.560	3.000	.000	1350.000	101.000	16854.000	3.970	2.500	2.500
X1	14.200	.000	.000	.000	45.000	45.000	45.000	.000	.000	.000
X2	.000	.000	1.000	29.000	32.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	32.000	32.000	.000
BT	13.000	.000	75.000	.000	3000.000	40.000	.000	11000.000	34.000	.000
BT	13950.000	40.000	.000	13951.000	42.500	.000	14300.000	42.500	.000	14301.000
BT	40.000	.000	17800.000	35.000	.000	19200.000	43.000	.000	23500.000	45.000
BT	.000	24000.000	32.000	.000	25500.000	47.000	.000	31000.000	88.000	.000
X1	14.300	.000	.000	.000	200.000	200.000	200.000	.000	.000	.000
X1	15.000	28.000	19800.000	19900.000	5000.000	5000.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	500.000	35.000	1500.000	33.000	3000.000	30.000	6500.000
GR	25.000	7000.000	25.000	9500.000	35.000	13000.000	30.000	15000.000	30.000	18000.000
GR	30.000	19700.000	25.000	19720.000	20.000	19740.000	15.000	19760.000	10.000	19780.000
GR	4.500	19800.000	4.500	19900.000	10.000	19920.000	15.000	19940.000	20.000	19960.000
GR	25.000	19980.000	30.000	20000.000	35.000	21000.000	40.000	21200.000	45.000	27000.000
GR	50.000	29000.000	50.000	33000.000	75.000	35000.000	.000	.000	.000	.000
X1	16.000	24.000	14050.000	14150.000	6000.000	3500.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	500.000	35.000	1500.000	30.000	6800.000	30.000	11000.000
GR	30.000	14000.000	25.000	14010.000	20.000	14020.000	15.000	14030.000	10.000	14040.000
GR	7.500	14050.000	7.500	14150.000	10.000	14160.000	15.000	14170.000	20.000	14180.000
GR	25.000	14190.000	30.000	14200.000	25.000	16000.000	45.000	18000.000	35.000	20000.000
GR	30.000	23000.000	40.000	25500.000	50.000	29000.000	75.000	33000.000	.000	.000

THIS RUN EXECUTED 10-03-91

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

NUECES RIVER

SUMMARY PRINTOUT

SECNO	ELMIN	QLOB	QROB	QCH	CWSEL	VCH	ELTRD	ELLC
1.000	-20.00	287.15	110544.40	4368.45	14.90	1.41	.00	.00
1.000	-20.00	209.33	80587.05	3184.61	14.90	1.03	.00	.00
2.000	-7.60	243.55	111600.40	3356.02	15.09	1.78	.00	.00
2.000	-7.60	172.83	81338.41	2469.75	15.00	1.31	.00	.00
3.000	-6.50	128.52	112627.00	2444.45	15.28	1.20	.00	.00
3.000	-6.50	93.55	82077.91	1809.54	15.11	.90	.00	.00
4.000	-3.50	141.08	110598.80	4460.13	15.44	2.60	.00	.00
4.000	-3.50	104.24	80484.40	3392.36	15.20	2.00	.00	.00
5.000	-2.30	12646.87	93740.20	8812.94	16.70	4.64	.00	.00
5.000	-2.30	5264.18	71092.95	7623.87	16.05	4.15	.00	.00
6.000	-2.20	41790.89	61172.09	12237.03	18.43	5.93	.00	.00
6.000	-2.20	26353.46	46458.53	11169.02	17.62	5.64	.00	.00
7.000	-2.10	49683.95	54647.99	10868.06	19.95	4.93	.00	.00
7.000	-2.10	35256.67	38868.92	9855.41	19.10	4.65	.00	.00
8.000	-2.00	3394.17	99193.31	12612.51	21.09	4.97	.00	.00
8.000	-2.00	2213.38	70719.27	11048.34	20.16	4.53	.00	.00
9.000	-1.90	15027.56	98868.09	1304.36	23.34	.47	.00	.00
9.000	-1.90	8893.44	73922.99	1164.57	22.19	.44	.00	.00
10.000	-1.80	66536.03	47310.82	1353.16	24.87	.51	.00	.00
10.000	-1.80	47491.07	35226.78	1263.15	23.68	.50	.00	.00
11.000	-1.70	82954.48	31027.65	1217.87	27.48	.42	.00	.00
11.000	-1.70	64424.05	18432.73	1124.22	26.24	.40	.00	.00

SECNO	ELMIN	QLOB	QROB	QCH	CWSEL	VCH	ELTRD	ELLC
12.000	-1.60	57839.06	55350.22	2010.71	29.19	.65	.00	.00
12.000	-1.60	41837.45	40191.20	1952.34	28.01	.66	.00	.00
13.000	.50	97180.11	17281.44	738.45	31.02	.39	.00	.00
13.000	.50	72166.82	11158.79	655.39	29.78	.36	.00	.00
* 14.100	.50	94936.96	19679.54	583.50	32.83	.29	.00	.00
* 14.100	.50	69819.97	13696.09	464.93	32.10	.24	.00	.00
14.200	.50	93812.13	20871.35	516.52	33.93	.25	32.00	29.00
14.200	.50	69312.45	14236.69	431.86	32.69	.22	32.00	29.00
14.300	.50	93802.30	20881.74	515.96	33.95	.25	.00	.00
14.300	.50	69305.96	14243.58	431.45	32.71	.22	.00	.00
15.000	4.50	107240.40	6237.63	1721.98	34.76	.57	.00	.00
15.000	4.50	77129.16	5144.81	1707.03	33.42	.59	.00	.00
16.000	7.50	70197.80	43740.39	1261.81	36.74	.43	.00	.00
16.000	7.50	50074.96	32699.40	1206.63	35.57	.43	.00	.00
17.000	11.00	46307.21	65372.64	3520.15	41.44	1.16	.00	.00
17.000	11.00	38263.36	42424.82	3292.82	40.38	1.12	.00	.00
18.000	12.70	31975.68	61707.09	21517.22	45.80	6.50	.00	.00
18.000	12.70	24331.70	40961.84	18687.46	44.40	5.89	.00	.00
19.000	15.70	92605.17	8659.66	13935.17	48.00	4.31	.00	.00
19.000	15.70	65546.69	6145.51	12288.81	46.42	4.00	.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 14.100 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 14.100 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 14.100 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 14.100 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 14.100 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 14.100 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

TYPE	FACILITY ID	SYMBOL	INSP. DATE	CONDITION	MATERIAL	SHAPE_CODE	HEIGHT (FT)	WIDTH (FT)	FLOW AREA (SF)	LEFT_SLOPE (H/V)	RIGHT_SLOPE (H/V)	REMARKS
XY	X(16)	X(4)	99/99/9999	X(8)	X(8)	X(2)	>>9.99	>>9.99	>>>9.0	>>>9.0	>>>9.0	X(6)
CF	CB06.37L	OUTP	4/4/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCF"
CF	CB06.59L	OUTP	4/4/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
CF	CB06.76L	OUTP	4/4/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
CF	CB06.86L	OUTP	4/4/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
CF	CB06.99L	OUTP	4/4/1991	GOOD	CONCRETE	C	4.0	6.0	24.0	?	?	"CB"
CF	CB07.09L	OUTP	4/4/1991	GOOD	CONCRETE	C	3.5	4.5	15.8	?	?	"CB"
CF	CB07.28L	OUTP	4/4/1991	GOOD	CONCRETE	C	3.5	4.5	15.8	?	?	"CB"
CF	CB07.34L	OUTP	4/4/1991	GOOD	CONCRETE	C	3.5	4.5	15.8	?	?	"CB"
CF	CB07.53L	OUTP	4/4/1991	GOOD	CONCRETE	C	3.5	4.5	15.8	?	?	"CB"
CF	CB07.74L	OUTP	4/4/1991	GOOD	CONCRETE	C	3.5	3.5	11.0	?	?	"DUAL BCP"
CF	CB07.83L	OUTP	4/4/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
CF	CB08.12L	OUTP	4/4/1991	GOOD	CONCRETE	C	4.0	4.0	6.3	?	?	"BCP"
CF	CB08.15L	OUTP	4/10/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
CF	CB08.33L	OUTP	4/8/1991	GOOD	CONCRETE	C	5.0	5.0	25.0	?	?	"CB"
CF	CB08.36L	OUTP	4/8/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
CF	CB08.50L	OUTP	4/8/1991	GOOD	CONCRETE	C	1.0	1.0	4.0	?	?	"2nd=1.5 BCP"
CF	CB08.85L	OUTP	4/8/1991	GOOD	CONCRETE	C	12.0	13.0	156.0	?	?	"CB"
CF	CB09.29L	OUTP	4/8/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"BCP"
CF	CB09.31L	OUTP	4/8/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
CF	CB09.53L	OUTP	4/8/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
CF	CB09.71L	OUTP	4/8/1991	GOOD	CONCRETE	C	11.0	12.0	132.0	?	?	"CB"
CF	CB09.82L	OUTP	4/8/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	?	"BCP"
CF	CB09.93L	OUTP	4/8/1991	GOOD	CONCRETE	C	2.3	2.3	3.6	?	?	"BCP"
CF	CB10.07L	OUTP	4/8/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
CF	CB10.25L	OUTP	4/8/1991	GOOD	CONCRETE	C	?	?	?	?	?	"CB"
CF	CB10.35L	OUTP	4/8/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"BCP"
CF	CB10.54L	OUTP	4/8/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"BCP"
CF	CB10.78L	OUTP	4/8/1991	GOOD	CONCRETE	C	9.0	9.0	81.0	?	?	"CB"
CF	CB10.97L	OUTP	4/8/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	?	"BCP"
CF	CB11.16L	OUTP	4/9/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
CF	CB11.12L	OUTP	4/9/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
CF	CB11.15L	OUTP	4/9/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
CF	CB11.47L	OUTP	4/9/1991	GOOD	CONCRETE	C	8.0	15.0	120.0	?	?	"CB"
CF	CB11.69L	OUTP	4/9/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
CF	CB11.73L	OUTP	4/9/1991	GOOD	CONCRETE	C	2.3	2.3	3.6	?	?	"BCP"
CF	CB11.85L	OUTP	4/9/1991		CONCRETE	C						
CF	CB12.10L	OUTP	4/9/1991	GOOD	CONCRETE	C	2.0	9.0	18.0	?	?	"CB"
CF	CB12.19L	OUTP	4/9/1991	GOOD	CONCRETE	C	2.0	4.0	8.0	?	?	"CB"
CF	CB12.35L	OUTP	4/10/1991	GOOD	CONCRETE	C	2.0	4.0	8.0	?	?	"CB"
CF	CB12.43L	OUTP	4/10/1991		CONCRETE	C						
CF	CB12.65L	OUTP	4/10/1991		CONCRETE	C	3.0	3.0	4.7	?	?	"PW/PG"
CF	CB12.85L	OUTP	4/10/1991	GOOD	CONCRETE	C	3.5	5.5	19.3	?	?	"CB"
CF	CB12.88L	OUTP	4/10/1991		CONCRETE	C	3.0	3.0	4.7	?	?	"PW/PG"
CF	CB12.99L	OUTP	4/10/1991	GOOD	CONCRETE	C	6.0	7.0	42.0	?	?	"CB"
CF	CB13.05L	OUTP	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/PG"
CF	CB13.11L	OUTP	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/PG"
CF	CB13.19L	OUTP	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/PG"
CF	CB13.29L	OUTP	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/PG"
CF	CB13.36L	OUTP	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/PG"
CF	CB13.44L	OUTP	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/PG"
CF	CB13.53L	OUTP	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/PG"
CF	CB13.56L	OUTP	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/PG"
CF	CB13.62L	OUTP	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/PG"

GF	CB13.68L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/EG"
OF	CB13.76L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/EG"
OF	CB13.79L	OUTF	4/10/1991	GOOD	CONCRETE	C				?	?	"CB"
GF	CB13.82L	OUTF	4/10/1991		CONCRETE	C	2.0	2.0	3.1	?	?	"PW/EG"
OF	CB13.87L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/EG"
OF	CB13.93L	OUTF	4/10/1991		CONCRETE	C	1.8	1.8	2.8	?	?	"PW/EG"
GF	CB14.00L	OUTF	4/10/1991		CONCRETE	C	1.8	1.8	2.8	?	?	"PW/EG"
OF	CB14.06L	OUTF	4/10/1991		CONCRETE	C	1.5	1.5	2.4	?	?	"PW/EG"
OF	CB14.20L	OUTF	4/10/1991		CONCRETE	C	1.8	1.8	2.8	?	?	"PW/EG"
OF	CB14.24L	OUTF	4/10/1991		CONCRETE	C	1.8	1.8	2.8	?	?	"PW/EG"
OF	CB14.32L	OUTF	4/10/1991		CONCRETE	C	2.0	2.0	3.1	?	?	"PW/EG"
OF	CB14.44L	OUTF	4/10/1991		CONCRETE	C	2.0	2.0	3.1	?	?	"PW/EG"
OF	CB14.48L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/EG"
OF	CB14.60L	OUTF	4/10/1991	POOR	METAL	C	0.8	0.8	1.3	?	?	"RMP"
OF	CB14.71L	OUTF	4/10/1991	GOOD	CONCRETE	C	2.0	6.0	12.0	?	?	"CB"
OF	CE16.55L	OUTF	4/10/1991	GOOD	CONCRETE	C				?	?	"CB"
OF	IE00.70L	OUTF	6/6/1991	GOOD	CONCRETE	C	6.0	44.0	282.0	0.5	0.5	"CD"
OF	IE01.40L	OUTF	6/6/1991	GOOD	EARTH	C	4.5	39.0	175.5	?	?	
OF	IE05.09L	OUTF	6/6/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	IE05.47L	OUTF	6/6/1991	GOOD	CONCRETE	C		8.0		?	?	"CB"
OF	IE05.66L	OUTF	6/6/1991	GOOD	CONCRETE	C				?	?	"CP"
OF	IE05.85L	OUTF	6/6/1991	GOOD	METAL	C	2.0	2.0	3.1	?	?	"RMP"
OF	IE05.90L	OUTF	6/6/1991	GOOD	CONCRETE	C		4.0		?	?	"CB"
OF	IE06.04L	OUTF	6/6/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	IE07.18L	OUTF	6/6/1991	FAIR	METAL	C	3.0	3.0	4.7	?	?	"RMP"
OF	IE07.32L	OUTF	6/6/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"RCP"
OF	IE08.46L	OUTF	6/6/1991	GOOD	CONCRETE	C	27.0	30.0	810.0	?	?	"CBRDG"
OF	IE10.73L	OUTF	6/6/1991	GOOD	CONCRETE	C	6.0	15.0	90.0	?	?	"CBRDG"
OF	IE11.30L	OUTF	6/6/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	IE11.47L	OUTF	6/18/1991	GOOD	CONCRETE	C	3.0	3.0	9.0	?	?	"CBRDG"
OF	IE11.50L	OUTF	6/18/1991	GOOD	CONCRETE	C	4.0	10.0	40.0	?	?	"CBRDG"
OF	IE11.68L	OUTF	6/6/1991	GOOD	CONCRETE	C	5.5	11.5	62.2	?	?	"CBRDG"
OF	IE12.15L	OUTF	6/6/1991	GOOD	CONCRETE	C	6.3	14.5	31.4	?	?	"CBRDG"
OF	IE12.67L	OUTF	6/6/1991	GOOD	CONCRETE	C	3.2	3.0	9.6	?	?	"CBRDG"
OF	IE12.95L	OUTF	6/7/1991	GOOD	CONCRETE	C	2.0	2.0	15.0	?	?	"5 RCP"
OF	IE16.19L	OUTF	6/7/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	IE17.04L	OUTF	6/7/1991	GOOD	CONCRETE	C	12.0	28.3	412.8	?	?	"A=4, B=2.3"
OF	IE17.70L	OUTF	6/7/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	?	"CBRDG"
OF	IE18.65L	OUTF	6/7/1991	GOOD	CONCRETE	C		10.0		?	?	"CBRDG"
GF	IE19.31L	OUTF	6/7/1991	GOOD	EARTH	C	3.0	6.0	15.0	?	?	"REPRESENTATIVE FIGURES ONLY"
OF	LE00.09L	OUTF	6/25/1991	GOOD	CONCRETE	C	3.5	3.5	11.0	?	?	"DUAL RCP"
OF	LE00.13L	OUTF	6/25/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	LE00.32L	OUTF	6/25/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	LE00.41L	OUTF	6/25/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	?	"RCP"
OF	LE00.66L	OUTF	6/25/1991	GOOD	EARTH	C	0.5	10.0	5.0	?	?	"VERTICAL SIDES"
OF	LE00.85L	OUTF	6/25/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	?	"RCP"
OF	LE00.95L	OUTF	6/25/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	LE01.47L	OUTF	6/25/1991	GOOD	CONCRETE	C	5.0	5.0	7.9	?	?	"RCP IN BOX"
OF	LE01.90L	OUTF	6/25/1991	GOOD	CONCRETE	C	3.0	25.0	75.0	?	?	"VERTICAL SIDES"
OF	LE02.15L	OUTF	6/25/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	LE02.29L	OUTF	6/25/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	?	"DUAL RCP"
OF	LE02.58L	OUTF	6/25/1991	GOOD	CONCRETE	C	2.5	15.25	36.1	?	?	"VERTICAL SIDES"
OF	LE03.02L	OUTF	6/25/1991	FAIR	CONCRETE	C	1.5	1.5	4.6	?	?	"DUAL RCP"
OF	LE03.34L	OUTF	6/25/1991	FAIR	CONCRETE	C	1.0	1.0	3.2	?	?	"DUAL RCP"
OF	LE03.81L	OUTF	6/25/1991	FAIR	CONCRETE	C	1.5	1.5	9.6	?	?	"4 RCP"
OF	LE03.95L	OUTF	6/25/1991	GOOD	CONCRETE	C	1.0	1.0	3.2	?	?	"DUAL RCP"

OF	LM04.14L	OUTF	6/26/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	? "BCP"
OF	LM04.28L	OUTF	6/26/1991	GOOD	EARTH	C	5.0	4.5	31.3	0.4	0.4 "B1=4.5, B2=8"
OF	LM04.32L	OUTF	6/27/1991	GOOD	CONCRETE	C	4.0	20.0	80.0	?	? "VERTICAL SIDES"
OF	LM04.37L	OUTF	6/26/1991	GOOD	CONCRETE	C	1.0	1.0	2.0	?	? "BCP"
OF	LM04.51L	OUTF	6/26/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	? "BCP"
OF	LM04.67L	OUTF	6/27/1991	GOOD	CONCRETE	C	4.0	4.0	6.3	?	? "BCP"
OF	LM04.75L	OUTF	6/27/1991	GOOD	EARTH	C	1.5	9.0	13.5	?	? "VERTICAL SIDES"
OF	LM04.84L	OUTF	6/26/1991	GOOD	EARTH	C	1.8	9.6	20.7	0.3	0.3 "B1=9.6, B2=10.8, 1.5 RCP ALSO"
OF	LM05.26L	OUTF	6/26/1991	GOOD	EARTH	C	3.0	11.6	31.5	1.5	1.5 "B1=11, B2=20"
OF	LM05.40L	OUTF	6/26/1991	GOOD	EARTH	C	1.5	14.0	22.5	0.7	0.7 "B1=14, B2=16"
OF	NB00.26L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.28L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.32L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.49L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.54L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.59L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.64L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB00.65L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB00.83L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB00.82L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB00.93L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB00.98L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.03L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.08L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.13L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.18L	OUTF	6/5/1991	GOOD	CONCRETE	C	1.3	1.3	4.4	?	? "DUAL RCP"
OF	NB01.23L	OUTF	6/5/1991	GOOD	CONCRETE	C	2.0	2.0	6.2	?	? "DUAL RCP"
OF	NB01.29L	OUTF	6/5/1991	GOOD	CONCRETE	C	2.0	2.0	6.2	?	? "DUAL RCP"
OF	NB01.32L	OUTF	6/5/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.38L	OUTF	6/5/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.42L	OUTF	6/5/1991	FAIR	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.50L	OUTF	6/5/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "BCP"
OF	NB01.51L	OUTF	6/5/1991	GOOD	CONCRETE	C	1.1	1.1	4.9	?	? "DUAL RCP"
OF	NB06.01L	OUTF	6/10/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	? "BCP"
OF	NB06.31L	OUTF	6/10/1991	GOOD	EARTH	C	0.5	37.0	18.5	?	?
OF	NB06.50L	OUTF	6/10/1991	GOOD	EARTH	C	2.5	25.0	62.5	?	?
OF	NB07.01L	OUTF	6/10/1991	GOOD	EARTH	C	6.0	26.0	188.0	0.3	0.3 "B1=26, B2=30, 1/2(B1 + B2)R = FLOW_AREA"
OF	NB07.26L	OUTF	6/14/1991	GOOD	EARTH	C	4.0	30.0	120.0	0.2	0.2 "B1=30, B2=34"
OF	NB07.35L	OUTF	6/14/1991	GOOD	CONCRETE	C	3.0	19.0	91.0	2.7	2.7 "B1=19, B2=35"
OF	NB07.41L	OUTF	6/14/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	? "2ND PIPE IN PAIS CONC. 1/4 SILTED IN."
OF	NB07.55L	OUTF	6/14/1991	GOOD	EARTH	C	5.0	6.0	40.0	0.4	0.4 "B1=6, B2=10"
OF	NB07.79L	OUTF	6/14/1991	GOOD	EARTH	C	3.0	5.5	30.3	?	?
OF	NB08.80L	OUTF	6/14/1991	GOOD	EARTH	C	4.8	7.0	38.4	0.2	0.2 "B1=7, B2=9"
OF	NB08.77L	OUTF	6/14/1991	GOOD	EARTH	C	2.5	30.0	75.0	?	?
OF	NB08.83L	OUTF	6/14/1991	GOOD	EARTH	C	3.0	12.0	42.0	0.3	0.3 "B1=12, B2=14"
OF	NB08.92L	OUTF	6/14/1991	GOOD	EARTH	C	7.0	4.0	28.0	?	?
OF	NB09.96L	OUTF	6/14/1991	GOOD	EARTH	C	2.0	20.0	45.0	1.3	1.3 "B1=20, B2=25"
OF	NB11.76L	OUTF	6/10/1991	GOOD	CONCRETE	C	2.5	4.5	13.8	0.8	0.8 "B1=4.4, B2=6.6"
OF	NB11.73L	OUTF	6/10/1991	GOOD	CONCRETE	C	3.0	6.2	34.1	1.7	1.7 "B1=6.2, B2=6.5"
OF	NB13.67L	OUTF	6/20/1991	GOOD	CONCRETE	C	5.0	6.5	32.5	?	?
OF	NB13.95L	OUTF	6/20/1991	GOOD	CONCRETE	C	3.0	10.0	33.0	0.3	0.3 "B1=10, B2=10"
OF	NB14.67L	OUTF	6/20/1991	GOOD	METAL	C	2.5	2.5	3.9	?	? "BCP"
OF	NB14.37L	OUTF	6/20/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB14.39L	OUTF	6/20/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB14.86L	OUTF	6/20/1991	GOOD	EARTH	C	4.5	16.0	49.5	0.2	0.2 "B1=10, B2=10"
OF	NB15.24L	OUTF	6/20/1991	GOOD	EARTH	C	6.0	6.0	36.0	?	?

OF	NS15.66L	OUTF	6/20/1991	GOOD	EARTH	C	4.0	11.0	44.0	?	?	
OF	NS16.40L	OUTF	6/13/1991	GOOD	EARTH	C	7.0	21.0	157.5	0.2	0.2	"B1-21, B2-24"
OF	NS16.61L	OUTF	6/13/1991	GOOD	EARTH	C	3.0	18.0	36.0	?	?	
OF	NS16.90L	OUTF	6/13/1991	GOOD	EARTH	C	2.0	20.0	40.0	?	?	
OF	NR20.28L	OUTF	6/13/1991	GOOD	EARTH	C	4.0	2.5	31.6	1.4	1.4	"B1-2.5, B2-13.3"
OF	NR21.53L	OUTF	6/13/1991	GOOD	EARTH	C	6.0	17.0	120.0	0.5	0.5	"B1-17, B2-23"
OF	NR22.95L	OUTF	6/13/1991	GOOD	EARTH	C	11.0	30.0	390.5	0.5	0.5	"B1-30, B2-41"
OF	NR29.69L	OUTF	6/13/1991	GOOD	EARTH	C	10.0	14.0	220.0	0.8	0.8	"B1-14, B2-30"
OF	NS31.25L	OUTF	6/21/1991	GOOD	EARTH	C	8.0	2.5	138.0	1.9	1.9	"B1-2.5, B2-32"
OF	NR32.04L	OUTF	6/21/1991	GOOD	EARTH	C	11.6	3.0	191.4	1.2	1.2	"B1-3, B2-30"
OF	NR34.50L	OUTF	6/13/1991	GOOD	EARTH	C	10.0	7.3	291.3	2.2	2.2	"B1-7.25, B2-51"
OF	NR35.40L	OUTF	6/21/1991	GOOD	EARTH	C	11.0	11.8	367.1	1.9	1.9	"B1-11.75, B2-55"
OF	NR35.73L	OUTF	6/21/1991	GOOD	EARTH	C	14.0	3.0	371.0	1.7	1.7	"B1-3, B2-50"
OF	NR35.96L	OUTF	6/21/1991	GOOD	EARTH	C	5.0	2.0	42.5	1.3	1.3	"B1-2, B2-15"
OF	OB00.28R	OUTF	4/16/1991	GOOD	CONCRETE	C	3.3	3.3	5.2	?	?	"BCP"
OF	OB00.29R	OUTF	4/16/1991	GOOD	EARTH	C	2.0	7.0	27.5	3.3	3.3	"B1-7, B2-20.5"
OF	OB01.00R	OUTF	4/11/1991	GOOD	CONCRETE	C	5.5	6.5	64.6	0.9	0.9	"B1-6.5, B2-17"
OF	OB01.00B	OUTF	4/11/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB01.30R	OUTF	4/11/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP - UNDERWATER"
OF	OB02.30R	OUTF	4/16/1991	GOOD	CONCRETE	C	3.0	3.0	9.4	?	?	"DUAL BCP"
OF	OB02.40R	OUTF	4/17/1991	GOOD	CONCRETE	C	2.2	2.2	3.5	?	?	"BCP"
OF	OB02.04R	OUTF	4/18/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB03.17R	OUTF	4/16/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB03.23R	OUTF	4/16/1991	GOOD	CONCRETE	C	6.5	10.0	195.0	?	?	"AT BRIDGE; FLOW FROM 4 WEIR DAM"
OF	OB03.50R	OUTF	4/17/1991	POOR	CONCRETE	C	1.1	1.1	1.7	?	?	"BCP"
OF	OB03.65R	OUTF	4/17/1991	POOR	CONCRETE	C	2.0	2.0	3.1	?	?	"BCP"
OF	OB04.07R	OUTF	4/18/1991	GOOD	EARTH	C	3.0	50.0	150.0	?	?	"DUAL DITCHES; 20x3 & 30x3"
OF	OB04.09R	OUTF	4/18/1991	GOOD	CONCRETE	C	1.2	1.2	1.9	?	?	"BCP"
OF	OB04.23R	OUTF	4/18/1991	GOOD	METAL	C	2.3	2.3	3.7	?	?	"RMP"
OF	OB04.54R	OUTF	4/18/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB04.58R	OUTF	4/18/1991	GOOD	CONCRETE	C	1.9	2.9	4.3	?	?	"CP"
OF	OB04.64R	OUTF	4/18/1991	POOR	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB05.14R	OUTF	4/17/1991	GOOD	CONCRETE	C	3.5	3.5	5.5	?	?	"BCP"
OF	OB05.35R	OUTF	4/17/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB05.46R	OUTF	4/17/1991	GOOD	CONCRETE	C	2.7	2.7	4.2	?	?	"BCP"
OF	OB05.65R	OUTF	4/17/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
OF	OB05.84R	OUTF	4/17/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
OF	OB06.65F	OUTF	4/18/1991	GOOD	EARTH	C	1.2	9.1	10.9	?	?	
OF	OB07.05R	OUTF	4/18/1991	GOOD	EARTH	C	3.0	6.0	18.0	?	?	"REPRESENTATIVE FIGURES FOR "BIRDFOOT" CHANNEL"
OF	OB08.47R	OUTF	4/23/1991	GOOD	EARTH	C	0.8	371	278.5	?	?	"REPRESENTATIVE FIGURES FOR DELTA AREA"
OF	OB08.50R	OUTF	4/23/1991	GOOD	EARTH	C	1.5	712.0	1068.0	?	?	"REPRESENTATIVE FIGURES FOR DELTA AREA"
OF	OB09.47R	OUTF	4/23/1991	GOOD	EARTH	C	10.0	58.0	58.0	?	?	"BCP"
OF	OB09.89R	OUTF	4/18/1991	GOOD	EARTH	C	3.0	5.0	15.0	?	?	"NEAR VERTICAL SIDES"
OF	OB04.00L	OUTF	4/15/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
OF	OB04.25L	OUTF	4/15/1991	GOOD	CONCRETE	C	6.5	6.5	10.2	?	?	"BCP"
OF	OB04.47L	OUTF	4/15/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
OF	OB04.56L	OUTF	4/15/1991	GOOD	CONCRETE	C	5.0	5.0	7.9	?	?	"BCP"
OF	OB04.66L	OUTF	4/15/1991	GOOD	CONCRETE	C	2.3	2.3	3.7	?	?	"BCP"
OF	OB04.73L	OUTF	4/15/1991	GOOD	METAL	C	2.3	2.3	3.7	?	?	"RMP"
OF	OB04.80L	OUTF	4/15/1991	GOOD	CONCRETE	C	1.2	1.2	1.9	?	?	"BCP"
OF	OB04.86L	OUTF	4/15/1991	GOOD	METAL	C	1.8	1.8	2.8	?	?	"RMP"
OF	OB04.92L	OUTF	4/15/1991	GOOD	CONCRETE	C	1.8	1.8	2.8	?	?	"BCP"
OF	OB04.96L	OUTF	4/15/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB05.10L	OUTF	4/25/1991	GOOD	CONCRETE	C	5.5	5.5	8.6	?	?	"BCP"
OF	OB05.25L	OUTF	4/25/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB05.37L	OUTF	4/25/1991	POOR	CONCRETE	C	1.8	1.8	2.8	?	?	"BCP"

OF	GB05.62L	OUTF	4/25/1991	GOOD	METAL	C	2.5	2.5	3.9	?	?	"RMP"
OF	GB06.85L	OUTF	4/23/1991	GOOD	CONCRETE	C	5.0	5.0	15.8	?	?	"DUAL RCP"
OF	GB07.32L	OUTF	4/23/1991	GOOD	CONCRETE	C	5.0	5.0	7.9	?	?	"RCP"
OF	GB08.46L	OUTF	4/23/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"RCP"
OF	GB08.63L	OUTF	4/23/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"RCP"
OF	GC00.09R	OUTF	4/30/1991	GOOD	EARTH	C	0.5	11.3	6.0	1.3	1.3	"B1-11.3, B2-12.8"
OF	GC01.36R	OUTF	4/30/1991	GOOD	CONCRETE	C	2.3	2.3	11.0	?	?	"3 RCP"
OF	GC02.54R	OUTF	4/30/1991	GOOD	PVC	C	0.3	0.3	9.5	?	?	"WATER TREATMENT PLANT"
OF	GC02.57R	OUTF	7/8/1991	GOOD	CONCRETE	C	5.0	5.0	19.1	?	?	"DUAL 5 FT RCP & 1.5 RCP"
OF	GC02.64R	OUTF	4/30/1991	GOOD	CONCRETE	C	3.0	3.0	13.32	?	?	"DUAL 3.0 RCP, SINGLE 22.5 RCP"
OF	GC02.86R	OUTF	5/1/1991	GOOD	EARTH	C	8.0	15.2	258.4	2.1	2.1	"B1-15.2, B2-49.4"
OF	GC03.52R	OUTF	4/30/1991	GOOD	EARTH	C	6.5	8.0	175.2	1.7	1.7	"B1-8, B2-35.8"
OF	GC04.13R	OUTF	5/1/1991	GOOD	CONCRETE	C	4.7	4.4	20.7	?	?	"NEAR VERTICAL SIDES"
OF	GC04.36R	OUTF	5/3/1991	GOOD	EARTH	C	1.5	63.0	94.5	?	?	"SUBMERGED"
OF	GC04.37R	OUTF										
OF	GC04.38R	OUTF	5/3/1991	GOOD	CONCRETE	C	2.3	2.3	3.7	?	?	"RCP"
OF	GC04.45R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC04.47R	OUTF								?	?	"GOLF CART UNDERPASS"
OF	GC04.51R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.8	1.8	2.8	?	?	"RCP"
OF	GC04.56R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC04.61R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC04.69R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC04.78R	OUTF	5/1/1991	GOOD	CONCRETE	C	4.0	42.0	168.0	?	?	"5 CB"
OF	GC04.82R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC04.87R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC04.88R	OUTF	5/1/1991	GOOD	CONCRETE	C	5.0	4.6	18.1	?	?	"(3.14/4)(AOB)(COD)"
OF	GC04.91R	OUTF	5/7/1991	GOOD	CONCRETE	C	4.0	4.0	6.2	?	?	"RCP"
OF	GC05.01B	OUTF	5/7/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	GC05.09R	OUTF	5/7/1991	GOOD	CONCRETE	C	3.5	3.5	5.5	?	?	"RCP"
OF	GC05.14R	OUTF	5/7/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	GC05.26R	OUTF	5/7/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC05.53R	OUTF	5/7/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC05.67R	OUTF	5/7/1991	GOOD	CONCRETE	C	5.0	8.0	200.0	?	?	"5 CB"
OF	GC05.81R	OUTF	5/7/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC05.90R	OUTF	5/7/1991	GOOD	CONCRETE	C	2.3	2.3	3.7	?	?	"RCP"
OF	GC06.03R	OUTF	5/7/1991	GOOD	CONCRETE	C	4.0	4.0	6.8	?	?	"RCP"
OF	GC06.33R	OUTF	5/7/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"RCP"
OF	GC06.42R	OUTF	5/9/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC06.61R	OUTF	5/9/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	GC06.73R	OUTF	5/9/1991	GOOD	CONCRETE	C	6.0	6.0	9.4	?	?	"RCP"
OF	GC07.38R	OUTF	5/9/1991	GOOD	EARTH	C	17.0	58.8	992.8	0.1	0.1	"B1-58.9, B2-60"
OF	GC07.75R	OUTF	5/10/1991	GOOD	EARTH	C				?	?	"PMPD"
OF	GC07.94R	OUTF	5/10/1991	GOOD	EARTH	C	4.8	2.0	56.9	1.9	1.9	"B1-2, B2-21.7"
OF	GC08.11R	OUTF	5/10/1991	GOOD	EARTH	C	4.0	43.0	172.0	?	?	"NEAR VERTICAL SIDES"
OF	GC09.35R	OUTF	5/10/1991	GOOD	EARTH	C	2.3	8.0	18.4	?	?	"NEAR VERTICAL SIDES"
OF	GC09.98R	OUTF	5/14/1991	GOOD	EARTH	C				?	?	"PMPD"
OF	GC10.10R	OUTF	5/14/1991	GOOD	EARTH	C	7.0	6.0	97.3	1.2	1.2	"B1-6, B2-21.8"
OF	GC10.97R	OUTF	5/14/1991	GOOD	EARTH	C	4.0	50.0	200.0	?	?	"NEAR VERTICAL SIDES"
OF	GC12.46R	OUTF	5/23/1991	GOOD	EARTH	C	11.0	8.0	159.5	0.6	0.6	"B1-8, B2-21"
OF	GC13.45R	OUTF	7/8/1991	GOOD	METAL	C	4.0	4.0	5.28	?	?	"RMP"
OF	GC15.93R	OUTF	5/16/1991	GOOD	EARTH	C	2.0	4.0	8.0	?	?	"NEAR VERTICAL SIDES"
OF	GC15.97R	OUTF	5/16/1991	GOOD	EARTH	C	0.5	5.0	2.5	?	?	"NEAR VERTICAL SIDES"
OF	GC16.61R	OUTF	5/16/1991	GOOD	EARTH	C	4.5	5	22.5	?	?	"NEAR VERTICAL SIDES"
OF	GC16.92R	OUTF	5/16/1991	GOOD	CONCRETE	C	2.2	3.0	19.5	1.4	1.4	"B1-3, B2-11.2"
OF	GC20.25R	OUTF	5/27/1991	GOOD	EARTH	C	2.0	28.0	62.0	1.5	1.5	"B1-28, B2-34"
OF	GC22.96R	OUTF	5/27/1991	GOOD	EARTH	C				?	?	"PMPD"

02	0023	866	007E	5/27/1991	GOOD	CONCRETE	C	4.9	20.6	111.2	1.8	1.8	BI=20.6, B2=31
02	0020	291	007E	4/30/1991	GOOD	EARTH	C	2.0	49.0	103.9	1.4	1.4	BI=49, B2=54.9
02	0021	142	007E	5/07/1991	GOOD	EARTH	C	1.3	72.6	95.0	0.2	0.2	BI=72.6, B2=73.3
02	0022	432	007E	5/07/1991	GOOD	EARTH	C	3.0	19.6	59.4	?	?	NEAR VERTICAL SLEGS
02	0003	432	007E	5/07/1991	GOOD	EARTH	C	2.0	34.6	69.2	?	?	?
02	0003	810	007E	5/23/1991	GOOD	EARTH	C	0.4	120.0	48.0	?	?	?
02	0024	094	007E	5/23/1991	GOOD	EARTH	C	0.8	390.0	304.0	?	?	?
02	0024	872	007E	5/23/1991	GOOD	EARTH	C	1.0	225.0	295.0	?	?	REPRESENTATIVE FIGURES
02	0004	910	007E	5/23/1991	GOOD	EARTH	C	4.0	127.0	508.0	?	?	NEAR VERTICAL SLEGS
02	0025	502	007E	5/17/1991	GOOD	EARTH	C	4.0	379.0	1500.0	?	?	?
02	0026	122	007E	5/23/1991	GOOD	EARTH	C	0.5	390.0	234.0	?	?	?
02	0026	201	007E	5/23/1991	GOOD	EARTH	C	0.5	7.0	3.5	?	?	?
02	0026	911	007E	5/17/1991	GOOD	EARTH	C	4.0	270.0	1080.0	?	?	?
02	0027	502	007E	5/16/1991	GOOD	EARTH	C	4.0	375.0	1500.0	?	?	?
02	0027	972	007E	5/10/1991	GOOD	EARTH	C	1.0	60.0	80.0	?	?	?
02	0027	991	007E	5/10/1991	GOOD	EARTH	C	2.0	4.0	8.0	?	?	REPRESENTATIVE FIGURES
02	0028	451	007E	5/10/1991	GOOD	EARTH	C	1.5	5.0	7.5	?	?	REPRESENTATIVE FIGURES
02	0029	502	007E	5/10/1991	GOOD	EARTH	C	1.0	3.0	3.0	?	?	REPRESENTATIVE FIGURES
02	0010	351	007E	5/14/1991	GOOD	EARTH	C	2.3	6.3	14.49	?	?	?
02	0011	431	007E	5/17/1991	GOOD	EARTH	C	8.5	8.0	40.8	?	?	?
02	0012	042	007E	5/11/1991	GOOD	EARTH	C	12.0	5.0	80.0	?	?	NEAR VERTICAL SLEGS
02	0012	322	007E	5/16/1991	GOOD	EARTH	C	3.3	1.5	25.9	0.7	0.7	BI=1.5, B2=0.3
02	0013	282	007E	5/16/1991	GOOD	CONCRETE	C	6.0	6.0	9.4	?	?	RCF
02	0015	502	007E	5/17/1991	GOOD	EARTH	C	7.5	6.0	45.0	?	?	?
02	0015	972	007E	5/16/1991	GOOD	EARTH	C	3.0	5.0	15.0	?	?	?
02	0016	972	007E	5/16/1991	GOOD	EARTH	C	2.7	2.7	4.2	?	?	RMF
02	0022	822	007E	5/30/1991	GOOD	EARTH	C	8.0	6.6	59.6	0.1	0.1	BI=6.6, B2=8.3
02	0023	861	007E	5/30/1991	GOOD	EARTH	C	6.3	24.0	223.7	1.8	1.8	BI=24, B2=47
02	0024	428	007E	5/23/1991	GOOD	EARTH	C	0.3	17.0	5.1	?	?	ID
02	0024	438	007E	5/21/1991	GOOD	EARTH	C	2.0	5.0	10.0	?	?	?
02	0024	336	007E	5/21/1991	GOOD	EARTH	C	0.5	6.0	3.0	?	?	?
02	0024	406	007E	5/21/1991	GOOD	EARTH	C	1.5	1.0	3.8	?	?	BI=1, B2=4
02	0024	686	007E	5/22/1991	GOOD	EARTH	C	0.5	48.1	24.0	?	?	?
02	0024	678	007E	5/22/1991	GOOD	EARTH	C	12.0	26.0	430.0	1.0	1.0	BI=26, B2=50
02	0024	491	007E	5/21/1991	GOOD	EARTH	C	2.8	18.0	42.0	?	?	?
02	0024	396	007E	5/21/1991	GOOD	EARTH	C	2.5	2.0	11.3	0.8	0.8	BI=2, B2=7
02	0024	402	007E	5/21/1991	GOOD	EARTH	C	0.8	3.0	4.2	2.2	2.2	BI=3.0, B2=7
02	0027	062	007E	5/21/1991	GOOD	EARTH	C	1.0	39.0	39.0	?	?	DEPTH VALUES FROM 0 TO 1


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*****
* WATER SURFACE PROFILES
* VERSION OF NOVEMBER 1976
* UPDATED MAY 1984
* IBM-PC-XT VERSION AUGUST 1985
* RUN DATE 10-03-91 TIME 02:02:08
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RUN 13

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*****
* U.S. ARMY CORPS OF ENGINEERS
* THE HYDROLOGIC ENGINEERING CENTER
* 609 SECOND STREET, SUITE D
* DAVIS, CALIFORNIA 95616
* (916) 440-2105 (FTS) 448-2105
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X   X  XXXXXXX  XXXXX          XXXXX
X   X X        X   X          X   X
X   X X        X                X
XXXXXXXX XXXX  X          XXXXX  XXXXX
X   X X        X                X
X   X X        X   X          X
X   X  XXXXXXX  XXXXX          XXXXXXX
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THIS RUN EXECUTED 10-03-91

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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FR
T1 1990DEV./5YR STORM
T2 STORMWATER MASTER PLAN STUDY - WALKER ENGINEERING INC.
T3 SALT FLATS DRAINAGEWAY
    
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J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	2.	0.	0.	.000000	.00	.0	0.	3.000	.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38.000	43.000	1.000	26.000	39.000	41.000	40.000	60.000	35.000	59.000
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J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****

-10.000	-10.000	.000	.000	.000	.000	.000	.000	.000	.000
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NC	.035	.035	.035	.100	.300	.000	.000	.000	.000	.000
QT	4.000	1628.000	1815.000	2121.000	2595.000	.000	.000	.000	.000	.000
X1	1.000	4.000	.000	66.000	.000	.000	.000	.000	.000	.000
GR	10.000	.000	-3.000	13.000	-3.000	53.000	10.000	66.000	.000	.000
X1	1.900	4.000	.000	64.000	640.000	640.000	640.000	.000	.000	.000
GR	10.000	.000	-2.000	12.000	-2.000	52.000	10.000	64.000	.000	.000
X1	1.910	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.100	.000	.000	.000	.000
QT	4.000	1600.000	1863.000	2176.000	2660.000	.000	.000	.000	.000	.000
NC	.020	.020	.020	.000	.000	.000	.000	.000	.000	.000
X1	2.000	4.000	.000	60.000	10.000	10.000	10.000	.000	.000	.000
GR	10.000	.000	.000	10.000	.000	50.000	10.000	60.000	.000	.000

THIS RUN EXECUTED 10-03-91

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SALT FLATS DRAINAGEWAY

SUMMARY PRINTOUT

	SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	DCHP	QLOBP	QROBP
	1.000	1628.00	3.00	5.90	.00	.00	.00	100.00	.00	.00
	1.000	1815.00	3.00	6.58	.00	.00	.00	100.00	.00	.00
	1.000	2121.00	3.00	7.68	.00	.00	.00	100.00	.00	.00
	1.000	2595.00	3.00	9.40	.00	.00	.00	100.00	.00	.00
	1.900	1628.00	4.42	5.46	640.00	.00	.00	100.00	.00	.00
	1.900	1815.00	4.70	5.80	640.00	.00	.00	100.00	.00	.00
	1.900	2121.00	5.18	6.26	640.00	.00	.00	100.00	.00	.00
	1.900	2595.00	5.96	6.80	640.00	.00	.00	100.00	.00	.00
*	1.910	1628.00	4.52	5.36	1.00	.00	.00	100.00	.00	.00
*	1.910	1815.00	4.80	5.70	1.00	.00	.00	100.00	.00	.00
*	1.910	2121.00	5.28	6.16	1.00	.00	.00	100.00	.00	.00
*	1.910	2595.00	6.06	6.70	1.00	.00	.00	100.00	.00	.00
	2.000	1600.00	3.93	9.27	10.00	.00	.00	100.00	.00	.00
*	2.000	1863.00	3.93	10.79	10.00	.00	.00	100.00	.00	.00
*	2.000	2176.00	4.33	11.33	10.00	.00	.00	100.00	.00	.00
	2.000	2660.00	5.17	11.36	10.00	.00	.00	100.00	.00	.00
	2.010	1600.00	6.29	5.50	1180.00	.00	.00	100.00	.00	.00
	2.010	1863.00	6.89	5.76	1180.00	.00	.00	100.00	.00	.00
	2.010	2176.00	7.46	6.14	1180.00	.00	.00	100.00	.00	.00
	2.010	2660.00	8.18	6.75	1180.00	.00	.00	100.00	.00	.00
*	2.020	1600.00	8.21	4.04	1.00	.00	.00	100.00	.00	.00
*	2.020	1863.00	8.81	4.33	1.00	.00	.00	100.00	.00	.00
*	2.020	2176.00	9.38	4.70	1.00	.00	.00	100.00	.00	.00
*	2.020	2660.00	10.10	5.26	1.00	.00	.00	100.00	.00	.00
	2.210	1600.00	8.06	5.54	10.00	.00	.00	100.00	.00	.00
	2.210	1863.00	8.64	5.92	10.00	.00	.00	100.00	.00	.00
	2.210	2176.00	9.18	6.41	10.00	.00	.00	100.00	.00	.00
	2.210	2660.00	9.85	7.17	10.00	.00	.00	100.00	.00	.00

	SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
	2.220	1600.00	8.23	6.06	671.00	.00	.00	100.00	.00	.00
	2.220	1863.00	8.81	6.44	671.00	.00	.00	100.00	.00	.00
	2.220	2176.00	9.37	6.93	671.00	.00	.00	100.00	.00	.00
	2.220	2660.00	10.07	7.69	671.00	.00	.00	100.00	.00	.00
	2.230	1600.00	8.58	4.03	10.00	.00	.00	100.00	.00	.00
	2.230	1863.00	9.21	4.29	10.00	.00	.00	100.00	.00	.00
	2.230	2176.00	9.83	4.62	10.00	.00	.00	100.00	.00	.00
	2.230	2660.00	10.64	5.11	10.00	.00	.00	100.00	.00	.00
†	2.240	1600.00	9.98	3.33	1.00	.00	.00	100.00	.00	.00
†	2.240	1863.00	10.61	3.59	1.00	.00	.00	100.00	.00	.00
†	2.240	2176.00	11.23	3.91	1.00	.00	.00	100.00	.00	.00
†	2.240	2660.00	12.04	4.39	1.00	.00	.00	100.00	.00	.00
	2.250	1600.00	10.10	3.61	1486.00	.00	.00	100.00	.00	.00
	2.250	1863.00	10.74	3.87	1486.00	.00	.00	100.00	.00	.00
	2.250	2176.00	11.37	4.19	1486.00	.00	.00	100.00	.00	.00
	2.250	2660.00	12.20	4.67	1486.00	.00	.00	100.00	.00	.00
†	3.000	1600.00	10.70	3.34	1.00	.00	.00	100.00	.00	.00
†	3.000	1863.00	11.34	3.60	1.00	.00	.00	100.00	.00	.00
†	3.000	2176.00	11.97	3.91	1.00	.00	.00	100.00	.00	.00
†	3.000	2660.00	12.80	4.39	1.00	.00	.00	100.00	.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

NOTE	SECNO=	1.910	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 4	WSEL BASED ON X2 CARD
CAUTION	SECNO=	2.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	2.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
NOTE	SECNO=	2.020	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 4	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 4	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 4	WSEL BASED ON X2 CARD

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*****
* WATER SURFACE PROFILES *
* VERSION OF NOVEMBER 1976 *
* UPDATED MAY 1984 *
* IBM-PC-XT VERSION AUGUST 1985 *
* RUN DATE 10-03-91 TIME 03:02:15 *
*****
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RUN 14

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*****
* U.S. ARMY CORPS OF ENGINEERS *
* THE HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616 *
* (916) 440-2105 (FTS) 448-2105 *
*****
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X   X  XXXXXXXX  XXXXX          XXXXX
X   X  X        X   X          X   X
X   X  X        X           X   X
XXXXXXX XXXX  X           XXXXX  XXXXX
X   X  X        X           X
X   X  X        X   X          X
X   X  XXXXXXXX  XXXXX          XXXXXXXX
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THIS RUN EXECUTED 10-03-91

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*****
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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FR
T1 1990DEV./5YR STORM
T2 STORMWATER MASTER PLAN STUDY - WALKER ENGINEERING INC.
T3 SALT FLATS DRAINAGEWAY with IMPROVEMENTS
    
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J1	ICHECK	ING	NINV	IDIR	STRT	METRIC	HVINS	G	WSEL	FD
	0.	2.	0.	0.	.000000	.00	.0	0.	3.000	.000
J2	NPROF	IPL0T	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	1.000	.000	-1.000	.000	.000	.000	.000	.000	.000	.000
J3	VARIABLE CODES FOR SUMMARY PRINTOUT									
	38.000	43.000	1.000	26.000	39.000	41.000	40.000	60.000	35.000	59.000

J5	LPRNT	NUMSEC	*****REQUESTED SECTION NUMBERS*****							
	-10.000	-10.000	.000	.000	.000	.000	.000	.000	.000	.000

NC	.035	.035	.035	.100	.300	.000	.000	.000	.000	.000
QT	4.000	1628.000	1815.000	2121.000	2595.000	.000	.000	.000	.000	.000
X1	1.000	4.000	.000	66.000	.000	.000	.000	.000	.000	.000
GR	10.000	.000	-3.000	13.000	-3.000	53.000	10.000	66.000	.000	.000
X1	1.900	4.000	.000	64.000	640.000	640.000	640.000	.000	.000	.000
GR	10.000	.000	-2.000	12.000	-2.000	52.000	10.000	64.000	.000	.000
X1	1.910	.000	.000	.000	1.000	1.000	1.000	.000	.000	.000
X2	.000	.000	.000	.000	.000	.100	.000	.000	.000	.000
QT	4.000	1600.000	1863.000	2176.000	2660.000	.000	.000	.000	.000	.000
NC	.020	.020	.020	.000	.000	.000	.000	.000	.000	.000
X1	2.000	4.000	.000	60.000	10.000	10.000	10.000	.000	.000	.000
GR	10.000	.000	.000	10.000	.000	50.000	10.000	60.000	.000	.000

THIS RUN EXECUTED 10-03-91

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*****
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

SALT FLATS DRAINAGEWAY

SUMMARY PRINTOUT

SECNO	B	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP
1.000	1628.00	3.00	5.90	.00	.00	.00	100.00	.00	.00
1.000	1815.00	3.00	6.58	.00	.00	.00	100.00	.00	.00
1.000	2121.00	3.00	7.68	.00	.00	.00	100.00	.00	.00
1.000	2595.00	3.00	9.40	.00	.00	.00	100.00	.00	.00
1.900	1628.00	4.42	5.46	640.00	.00	.00	100.00	.00	.00
1.900	1815.00	4.70	5.80	640.00	.00	.00	100.00	.00	.00
1.900	2121.00	5.18	6.26	640.00	.00	.00	100.00	.00	.00
1.900	2595.00	5.96	6.80	640.00	.00	.00	100.00	.00	.00
*	1.910	1628.00	4.52	5.36	1.00	.00	100.00	.00	.00
*	1.910	1815.00	4.80	5.70	1.00	.00	100.00	.00	.00
*	1.910	2121.00	5.28	6.16	1.00	.00	100.00	.00	.00
*	1.910	2595.00	6.06	6.70	1.00	.00	100.00	.00	.00
2.000	1600.00	3.93	9.27	10.00	.00	.00	100.00	.00	.00
*	2.000	1863.00	3.93	10.79	10.00	.00	100.00	.00	.00
*	2.000	2176.00	4.33	11.33	10.00	.00	100.00	.00	.00
2.000	2660.00	5.17	11.36	10.00	.00	.00	100.00	.00	.00
2.010	1600.00	6.29	5.50	1180.00	.00	.00	100.00	.00	.00
2.010	1863.00	6.89	5.76	1180.00	.00	.00	100.00	.00	.00
2.010	2176.00	7.46	6.14	1180.00	.00	.00	100.00	.00	.00
2.010	2660.00	8.18	6.75	1180.00	.00	.00	100.00	.00	.00
*	2.020	1600.00	6.79	5.03	1.00	.00	100.00	.00	.00
*	2.020	1863.00	7.39	5.32	1.00	.00	100.00	.00	.00
*	2.020	2176.00	7.96	5.70	1.00	.00	100.00	.00	.00
*	2.020	2660.00	8.68	6.29	1.00	.00	100.00	.00	.00
2.210	1600.00	6.51	7.17	10.00	.00	.00	100.00	.00	.00
2.210	1863.00	7.09	7.55	10.00	.00	.00	100.00	.00	.00
2.210	2176.00	7.61	8.08	10.00	.00	.00	100.00	.00	.00
2.210	2660.00	8.25	8.94	10.00	.00	.00	100.00	.00	.00

SECNO	Q	CWSEL	VCH	XLCH	ELLC	ELTRD	QCHP	QLOBP	QROBP	
2.220	1600.00	6.91	7.64	671.00	.00	.00	100.00	.00	.00	
2.220	1863.00	7.48	9.00	671.00	.00	.00	100.00	.00	.00	
2.220	2176.00	8.03	8.51	671.00	.00	.00	100.00	.00	.00	
2.220	2660.00	8.73	9.31	671.00	.00	.00	100.00	.00	.00	
2.230	1600.00	7.53	4.75	10.00	.00	.00	100.00	.00	.00	
2.230	1863.00	8.15	5.00	10.00	.00	.00	100.00	.00	.00	
2.230	2176.00	8.79	5.32	10.00	.00	.00	100.00	.00	.00	
2.230	2660.00	9.64	5.78	10.00	.00	.00	100.00	.00	.00	
‡	2.240	1600.00	8.03	4.38	1.00	.00	.00	100.00	.00	.00
‡	2.240	1863.00	8.65	4.64	1.00	.00	.00	100.00	.00	.00
‡	2.240	2176.00	9.29	4.96	1.00	.00	.00	100.00	.00	.00
‡	2.240	2660.00	10.14	5.43	1.00	.00	.00	100.00	.00	.00
2.250	1600.00	8.31	4.72	1486.00	.00	.00	100.00	.00	.00	
2.250	1863.00	8.94	4.96	1486.00	.00	.00	100.00	.00	.00	
2.250	2176.00	9.59	5.27	1486.00	.00	.00	100.00	.00	.00	
2.250	2660.00	10.46	5.72	1486.00	.00	.00	100.00	.00	.00	
‡	3.000	1600.00	8.91	4.29	1.00	.00	.00	100.00	.00	.00
‡	3.000	1863.00	9.54	4.54	1.00	.00	.00	100.00	.00	.00
‡	3.000	2176.00	10.19	4.85	1.00	.00	.00	100.00	.00	.00
‡	3.000	2660.00	11.06	5.31	1.00	.00	.00	100.00	.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

NOTE	SECNO=	1.910	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	1.910	PROFILE= 4	WSEL BASED ON X2 CARD
CAUTION	SECNO=	2.000	PROFILE= 2	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2.000	PROFILE= 2	MINIMUM SPECIFIC ENERGY
CAUTION	SECNO=	2.000	PROFILE= 3	CRITICAL DEPTH ASSUMED
CAUTION	SECNO=	2.000	PROFILE= 3	MINIMUM SPECIFIC ENERGY
NOTE	SECNO=	2.020	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.020	PROFILE= 4	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	2.240	PROFILE= 4	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 1	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 2	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 3	WSEL BASED ON X2 CARD
NOTE	SECNO=	3.000	PROFILE= 4	WSEL BASED ON X2 CARD

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*****
* WATER SURFACE PROFILES *
* VERSION OF NOVEMBER 1976 *
* UPDATED MAY 1984 *
* IBM-PC-XT VERSION AUGUST 1985 *
* RUN DATE 10-03-91 TIME 00:55:44 *
*****
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RUN 15

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*****
* U.S. ARMY CORPS OF ENGINEERS *
* THE HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET, SUITE D *
* DAVIS, CALIFORNIA 95616 *
* (916) 440-2105 (FTS) 448-2105 *
*****
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X   X  XXXXXXX  XXXXX      XXXXX
X   X X        X   X      X   X
X   X X        X           X
XXXXXXXX XXXX   X           XXXXX XXXXX
X   X X        X           X
X   X X        X   X      X
X   X  XXXXXXX  XXXXX      XXXXXXX
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THIS RUN EXECUTED 10-03-91

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*****
HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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FR
T1 1990DEV./100YR STDRM
T2 STORM WATER MASTER PLAN STUDY-WALKER ENGINEERING INC.
T3 NUECES RIVER

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J1 ICHECK  IND      MINV      IDIR      STRT      METRIC  HVINS      Q      WSEL      FO
      0.      2.      0.      0.      .000000      .00      .0      0.      14.900      .000

J2 NPROF  IPLDT  PRFVS  XSECV  XSECH  FN  ALLDC  IBW  CHNIM  ITRACE
      1.000      .000      -1.000      .000      .000      .000      .000      .000      .000      .000

J3 VARIABLE CODES FOR SUMMARY PRINTOUT
      38.000      42.000      13.000      15.000      14.000      1.000      26.000      40.000      41.000      .000

J5 LPRNT  NUMSEC  *****REQUESTED SECTION NUMBERS*****
      -10.000      -10.000      .000      .000      .000      .000      .000      .000      .000      .000

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NC      .060      .060      .045      .100      .300      .000      .000      .000      .000      .000
QT      2.000 115200.000 83981.000      .000      .000      .000      .000      .000      .000      .000
X1      1.000      32.000      290.000      410.000      .000      .000      .000      .000      .000      .000
GR      75.000      .000      70.000      20.000      65.000      40.000      60.000      60.000      55.000      80.000
GR      50.000      100.000      45.000      120.000      40.000      140.000      35.000      160.000      30.000      180.000
GR      25.000      200.000      20.000      210.000      15.000      220.000      10.000      230.000      5.000      240.000
GR      10.000      250.000      5.000      260.000      6.000      270.000      5.000      280.000      .000      290.000
GR      -5.000      300.000      -20.000      350.000      -5.000      400.000      .000      410.000      5.000      420.000
GR      5.000      4700.000      5.000      12200.000      5.000      17000.000      10.000      21200.000      25.000      21300.000
GR      50.000      22800.000      75.000      23300.000      .000      .000      .000      .000      .000      .000

X1      2.000      26.000      1105.000      1195.000      2600.000      5400.000      5900.000      .000      .000      .000
GR      75.000      .000      70.000      10.000      65.000      20.000      60.000      30.000      55.000      40.000
GR      50.000      100.000      45.000      200.000      40.000      300.000      35.000      400.000      30.000      450.000
GR      25.000      500.000      20.000      600.000      10.000      1100.000      .000      1105.000      -5.000      1110.000
GR      -7.600      1150.000      -5.000      1190.000      .000      1195.000      5.000      1200.000      5.000      8500.000
GR      5.000      12000.000      10.000      15000.000      15.000      19000.000      25.000      21500.000      50.000      23000.000
GR      75.000      24000.000      .000      .000      .000      .000      .000      .000      .000      .000

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NC	.050	.045	.040	.100	.300	.000	.000	.000	.000	.000
X1	3.000	29.000	5840.000	5940.000	2900.000	6000.000	6400.000	.000	.000	.000
GR	75.000	.000	70.000	100.000	65.000	500.000	60.000	600.000	55.000	5300.000
GR	50.000	5400.000	45.000	5450.000	40.000	5500.000	35.000	5550.000	30.000	5600.000
GR	25.000	5700.000	20.000	5800.000	15.000	5810.000	10.000	5820.000	5.000	5830.000
GR	.000	5840.000	-5.000	5850.000	-6.500	5890.000	-5.000	5930.000	.000	5940.000
GR	5.000	5950.000	10.000	6200.000	10.000	6500.000	5.000	8000.000	5.000	22000.000
GR	10.000	23000.000	15.000	24000.000	25.000	28000.000	75.000	28001.000	.000	.000
X1	4.000	25.000	6500.000	6600.000	2350.000	4450.000	4500.000	.000	.000	.000
GR	75.000	.000	70.000	400.000	65.000	500.000	60.000	600.000	55.000	700.000
GR	50.000	5400.000	45.000	5410.000	40.000	5420.000	35.000	5440.000	30.000	5450.000
GR	25.000	6400.000	20.000	6420.000	15.000	6480.000	10.000	6490.000	.000	6500.000
GR	-3.500	6550.000	.000	6600.000	5.000	6650.000	10.000	6670.000	10.000	7400.000
GR	5.000	8200.000	10.000	11000.000	10.000	22000.000	25.000	24000.000	75.000	24001.000
X1	5.000	15.000	12400.000	12500.000	7500.000	7500.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	500.000	25.000	2000.000	15.000	2500.000	15.000	12390.000
GR	-2.300	12400.000	-2.300	12500.000	10.000	12510.000	15.000	13500.000	20.000	18000.000
GR	10.000	19800.000	10.000	25500.000	25.000	26900.000	50.000	27900.000	75.000	28500.000
X1	6.000	15.000	9280.000	9380.000	3000.000	5000.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	400.000	25.000	700.000	15.000	1000.000	15.000	9260.000
GR	.000	9270.000	-2.200	9280.000	-2.200	9380.000	.000	9390.000	15.000	9400.000
GR	10.000	11900.000	25.000	17900.000	50.000	18400.000	50.000	20400.000	75.000	21900.000
X1	7.000	14.000	7540.000	7640.000	4000.000	3700.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	300.000	25.000	600.000	15.000	800.000	15.000	7520.000
GR	.000	7530.000	-2.100	7540.000	-2.100	7640.000	.000	7650.000	15.000	7700.000
GR	15.000	14000.000	25.000	15200.000	50.000	16000.000	75.000	19500.000	.000	.000
X1	8.000	14.000	4560.000	4670.000	4500.000	3500.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	440.000	25.000	2000.000	20.000	4000.000	15.000	4540.000
GR	.000	4550.000	-2.000	4560.000	-2.000	4670.000	.000	4680.000	15.000	4700.000
GR	15.000	13400.000	25.000	14100.000	50.000	15900.000	75.000	17000.000	.000	.000
NC	.085	.085	.550	.100	.300	.000	.000	.000	.000	.000
X1	9.000	21.000	11780.000	11890.000	6500.000	6500.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	4700.000	45.000	5000.000	40.000	7000.000	25.000	7200.000
GR	20.000	7400.000	20.000	9900.000	25.000	10000.000	25.000	10600.000	20.000	10700.000
GR	15.000	11760.000	.000	11770.000	-1.900	11780.000	-1.900	11890.000	.000	11890.000
GR	15.000	11900.000	15.000	19500.000	25.000	21200.000	50.000	21400.000	50.000	22700.000
GR	75.000	24200.000	.000	.000	.000	.000	.000	.000	.000	.000
X1	10.000	25.000	10670.000	10770.000	3500.000	3500.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	400.000	25.000	700.000	20.000	3600.000	20.000	5900.000
GR	15.000	6900.000	20.000	10300.000	15.000	10640.000	10.000	10650.000	.000	10660.000
GR	-1.800	10670.000	-1.800	10770.000	.000	10780.000	10.000	10790.000	15.000	10800.000
GR	15.000	11100.000	20.000	14700.000	25.000	15100.000	28.000	17300.000	25.000	19000.000
GR	19.000	19700.000	25.000	20500.000	35.000	21400.000	50.000	22900.000	75.000	23400.000

X1	11.000	20.000	8365.000	8465.000	6000.000	11000.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	300.000	25.000	700.000	20.000	1800.000	20.000	3500.000
GR	15.000	8350.000	10.000	8355.000	.000	8360.000	-1.700	8365.000	-1.700	8465.000
GR	.000	8470.000	10.000	8475.000	15.000	8480.000	20.000	8490.000	25.000	8500.000
GR	25.000	10700.000	20.000	13700.000	25.000	17300.000	50.000	19900.000	75.000	20200.000
X1	12.000	24.000	11460.000	11560.000	5300.000	3000.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	1100.000	35.000	1600.000	35.000	3900.000	25.000	4000.000
GR	25.000	7300.000	25.000	9800.000	15.000	11430.000	10.000	11440.000	.000	11450.000
GR	-1.600	11460.000	-1.600	11560.000	.000	11570.000	10.000	11580.000	15.000	11590.000
GR	20.000	11600.000	25.000	13500.000	20.000	15500.000	25.000	16000.000	35.000	17900.000
GR	25.000	21700.000	25.000	22500.000	50.000	24700.000	75.000	26000.000	.000	.000
X1	13.000	23.000	14034.000	14098.000	3500.000	8660.000	7500.000	.000	.000	.000
GR	75.000	.000	60.000	500.000	50.000	1700.000	40.000	2500.000	25.000	4400.000
GR	25.000	8200.000	20.000	10600.000	19.400	13980.000	7.500	14020.000	2.500	14034.000
GR	.500	14066.000	2.500	14098.000	8.400	14110.000	23.000	14180.000	25.000	15600.000
GR	30.000	18000.000	35.000	18500.000	40.000	19000.000	45.000	21500.000	48.000	23000.000
GR	50.000	26500.000	55.000	28000.000	75.000	29500.000	.000	.000	.000	.000
X1	14.100	.000	.000	.000	300.000	300.000	300.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	32.000	32.000	.000
SB	1.200	1.560	3.000	.000	1350.000	101.000	16854.000	3.970	2.500	2.500
X1	14.200	.000	.000	.000	45.000	45.000	45.000	.000	.000	.000
X2	.000	.000	1.000	29.000	32.000	.000	.000	.000	.000	.000
X3	10.000	.000	.000	.000	.000	.000	.000	32.000	32.000	.000
BT	13.000	.000	75.000	.000	3000.000	40.000	.000	11000.000	34.000	.000
BT	13950.000	40.000	.000	13951.000	42.500	.000	14300.000	42.500	.000	14301.000
BT	40.000	.000	17800.000	35.000	.000	19200.000	43.000	.000	23500.000	45.000
BT	.000	24000.000	32.000	.000	25500.000	47.000	.000	31000.000	88.000	.000
X1	14.300	.000	.000	.000	200.000	200.000	200.000	.000	.000	.000
X1	15.000	28.000	19800.000	19900.000	5000.000	5000.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	500.000	35.000	1500.000	33.000	3000.000	30.000	6500.000
GR	25.000	7000.000	25.000	9500.000	35.000	13000.000	30.000	15000.000	30.000	18000.000
GR	30.000	19700.000	25.000	19720.000	20.000	19740.000	15.000	19760.000	10.000	19780.000
GR	4.500	19800.000	4.500	19900.000	10.000	19920.000	15.000	19940.000	20.000	19960.000
GR	25.000	19980.000	30.000	20000.000	35.000	21000.000	40.000	21200.000	45.000	27000.000
GR	50.000	29000.000	50.000	33000.000	75.000	35000.000	.000	.000	.000	.000
X1	16.000	24.000	14050.000	14150.000	6000.000	3500.000	7500.000	.000	.000	.000
GR	75.000	.000	50.000	500.000	35.000	1500.000	30.000	6800.000	30.000	11000.000
GR	30.000	14000.000	25.000	14010.000	20.000	14020.000	15.000	14030.000	10.000	14040.000
GR	7.500	14050.000	7.500	14150.000	10.000	14160.000	15.000	14170.000	20.000	14180.000
GR	25.000	14190.000	30.000	14200.000	25.000	16000.000	45.000	18000.000	35.000	20000.000
GR	30.000	23000.000	40.000	25500.000	50.000	29000.000	75.000	33000.000	.000	.000

THIS RUN EXECUTED 10-03-91

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HEC2 RELEASE DATED NOV 76 UPDATED MAY 1984
ERROR CORR - 01,02,03,04,05,06
MODIFICATION - 50,51,52,53,54,55,56
IBM-PC-XT VERSION AUGUST 1985
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NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

NUECES RIVER

SUMMARY PRINTOUT

SECNO	ELMIN	QLOB	QROB	QCH	CWSEL	VCH	ELTRD	ELLC
1.000	-20.00	287.15	110544.40	4368.45	14.90	1.41	.00	.00
1.000	-20.00	209.33	80587.05	3184.61	14.90	1.03	.00	.00
2.000	-7.60	243.55	111600.40	3356.02	15.09	1.78	.00	.00
2.000	-7.60	172.83	81338.41	2469.75	15.00	1.31	.00	.00
3.000	-6.50	128.52	112627.00	2444.45	15.28	1.20	.00	.00
3.000	-6.50	93.55	82077.91	1809.54	15.11	.90	.00	.00
4.000	-3.50	141.08	110598.80	4460.13	15.44	2.60	.00	.00
4.000	-3.50	104.24	80484.40	3392.36	15.20	2.00	.00	.00
5.000	-2.30	12646.87	93740.20	8812.94	16.70	4.64	.00	.00
5.000	-2.30	5264.18	71092.95	7623.87	16.05	4.15	.00	.00
6.000	-2.20	41790.89	61172.09	12237.03	18.43	5.93	.00	.00
6.000	-2.20	26353.46	46458.53	11169.02	17.62	5.64	.00	.00
7.000	-2.10	49683.95	54647.99	10868.06	19.95	4.93	.00	.00
7.000	-2.10	35256.67	38868.92	9855.41	19.10	4.65	.00	.00
8.000	-2.00	3394.17	99193.31	12612.51	21.09	4.97	.00	.00
8.000	-2.00	2213.38	70719.27	11048.34	20.16	4.53	.00	.00
9.000	-1.90	15027.56	98868.09	1304.36	23.34	.47	.00	.00
9.000	-1.90	8893.44	73922.99	1164.57	22.19	.44	.00	.00
10.000	-1.80	66536.03	47310.82	1353.16	24.87	.51	.00	.00
10.000	-1.80	47491.07	35226.78	1263.15	23.68	.50	.00	.00
11.000	-1.70	82954.48	31027.65	1217.87	27.48	.42	.00	.00
11.000	-1.70	64424.05	18432.73	1124.22	26.24	.40	.00	.00

SECNO	ELMIN	QLOB	QROB	QCH	CWSEL	VCH	ELTRD	ELLC
12.000	-1.60	57839.06	55350.22	2010.71	29.19	.65	.00	.00
12.000	-1.60	41837.45	40191.20	1952.34	28.01	.66	.00	.00
13.000	.50	97180.11	17281.44	738.45	31.02	.39	.00	.00
13.000	.50	72166.82	11158.79	655.39	29.78	.36	.00	.00
* 14.100	.50	94936.96	19679.54	583.50	32.83	.29	.00	.00
* 14.100	.50	69819.97	13696.09	464.93	32.10	.24	.00	.00
14.200	.50	93812.13	20871.35	516.52	33.93	.25	32.00	29.00
14.200	.50	69312.45	14236.69	431.86	32.69	.22	32.00	29.00
14.300	.50	93802.30	20881.74	515.96	33.95	.25	.00	.00
14.300	.50	69305.96	14243.58	431.45	32.71	.22	.00	.00
15.000	4.50	107240.40	6237.63	1721.98	34.76	.57	.00	.00
15.000	4.50	77129.16	5144.81	1707.03	33.42	.59	.00	.00
16.000	7.50	70197.80	43740.39	1261.81	36.74	.43	.00	.00
16.000	7.50	50074.96	32699.40	1206.63	35.57	.43	.00	.00
17.000	11.00	46307.21	65372.64	3520.15	41.44	1.16	.00	.00
17.000	11.00	38263.36	42424.82	3292.82	40.38	1.12	.00	.00
18.000	12.70	31975.68	61707.09	21517.22	45.80	6.50	.00	.00
18.000	12.70	24331.70	40961.84	18687.46	44.40	5.89	.00	.00
19.000	15.70	92605.17	8659.66	13935.17	48.00	4.31	.00	.00
19.000	15.70	65546.69	6145.51	12288.81	46.42	4.00	.00	.00

SUMMARY OF ERRORS AND SPECIAL NOTES

CAUTION SECNO= 14.100 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 14.100 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 14.100 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO= 14.100 PROFILE= 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 14.100 PROFILE= 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO= 14.100 PROFILE= 2 20 TRIALS ATTEMPTED TO BALANCE WSEL

TYPE	FACILITY ID	SYMBOL	INSP. DATE	CONDITION	MATERIAL	SHAPE_CODE	HEIGHT (FT)	WIDTH (FT)	FLOW AREA (SF)	LEFT_SLOPE (H/W)	RIGHT_SLOPE (H/W)	REMARKS
XY	X(16)	X(4)	99/99/9999	X(8)	X(8)	X(2)	>>9.99	>>9.99	>>>9.0	>>>9.0	>>>9.0	X(6)
CF	CB06.37L	OUTF	4/4/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCF"
CF	CB06.59L	OUTF	4/4/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
CF	CB06.76L	OUTF	4/4/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
CF	CB06.86L	OUTF	4/4/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
CF	CB06.99L	OUTF	4/4/1991	GOOD	CONCRETE	C	4.0	6.0	24.0	?	?	"CB"
CF	CB07.09L	OUTF	4/4/1991	GOOD	CONCRETE	C	3.5	4.5	15.8	?	?	"CB"
CF	CB07.28L	OUTF	4/4/1991	GOOD	CONCRETE	C	3.5	4.5	15.8	?	?	"CB"
CF	CB07.34L	OUTF	4/4/1991	GOOD	CONCRETE	C	3.5	4.5	15.8	?	?	"CB"
CF	CB07.53L	OUTF	4/4/1991	GOOD	CONCRETE	C	3.5	4.5	15.8	?	?	"CB"
CF	CB07.74L	OUTF	4/4/1991	GOOD	CONCRETE	C	3.5	3.5	11.0	?	?	"DUAL BCP"
CF	CB07.83L	OUTF	4/4/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
CF	CB08.12L	OUTF	4/4/1991	GOOD	CONCRETE	C	4.0	4.0	6.3	?	?	"BCP"
CF	CB08.15L	OUTF	4/10/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
CF	CB08.33L	OUTF	4/8/1991	GOOD	CONCRETE	C	5.0	5.0	25.0	?	?	"CB"
CF	CB08.36L	OUTF	4/8/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
CF	CB08.50L	OUTF	4/8/1991	GOOD	CONCRETE	C	1.0	1.0	4.0	?	?	"2nd=1.5 BCP"
CF	CB08.85L	OUTF	4/8/1991	GOOD	CONCRETE	C	12.0	13.0	156.0	?	?	"CB"
CF	CB09.29L	OUTF	4/8/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"BCP"
CF	CB09.31L	OUTF	4/8/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
CF	CB09.53L	OUTF	4/8/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
CF	CB09.71L	OUTF	4/8/1991	GOOD	CONCRETE	C	11.0	12.0	132.0	?	?	"CB"
CF	CB09.82L	OUTF	4/8/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	?	"BCP"
CF	CB09.93L	OUTF	4/8/1991	GOOD	CONCRETE	C	2.3	2.3	3.6	?	?	"BCP"
CF	CB10.07L	OUTF	4/8/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
CF	CB10.25L	OUTF	4/8/1991	GOOD	CONCRETE	C	?	?	?	?	?	"CB"
CF	CB10.35L	OUTF	4/8/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"BCP"
CF	CB10.54L	OUTF	4/8/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"BCP"
CF	CB10.78L	OUTF	4/8/1991	GOOD	CONCRETE	C	9.0	9.0	81.0	?	?	"CB"
CF	CB10.97L	OUTF	4/8/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	?	"BCP"
CF	CB11.16L	OUTF	4/9/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
CF	CB11.12L	OUTF	4/9/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
CF	CB11.15L	OUTF	4/9/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
CF	CB11.47L	OUTF	4/9/1991	GOOD	CONCRETE	C	8.0	15.0	120.0	?	?	"CB"
CF	CB11.69L	OUTF	4/9/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
CF	CB11.73L	OUTF	4/9/1991	GOOD	CONCRETE	C	2.3	2.3	3.6	?	?	"BCP"
CF	CB11.85L	OUTF	4/9/1991		CONCRETE	C						
CF	CB12.10L	OUTF	4/9/1991	GOOD	CONCRETE	C	2.0	9.0	18.0	?	?	"CB"
CF	CB12.19L	OUTF	4/9/1991	GOOD	CONCRETE	C	2.0	4.0	8.0	?	?	"CB"
CF	CB12.35L	OUTF	4/10/1991	GOOD	CONCRETE	C	2.0	4.0	8.0	?	?	"CB"
CF	CB12.43L	OUTF	4/10/1991		CONCRETE	C						
CF	CB12.65L	OUTF	4/10/1991		CONCRETE	C	3.0	3.0	4.7	?	?	"PW/FG"
CF	CB12.85L	OUTF	4/10/1991	GOOD	CONCRETE	C	3.5	5.5	19.3	?	?	"CB"
CF	CB12.88L	OUTF	4/10/1991		CONCRETE	C	3.0	3.0	4.7	?	?	"PW/FG"
CF	CB12.99L	OUTF	4/10/1991	GOOD	CONCRETE	C	6.0	7.0	42.0	?	?	"CB"
CF	CB13.05L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/FG"
CF	CB13.11L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/FG"
CF	CB13.19L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/FG"
CF	CB13.29L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/FG"
CF	CB13.36L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/FG"
CF	CB13.44L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/FG"
CF	CB13.53L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/FG"
CF	CB13.56L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/FG"
CF	CB13.62L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/FG"

GF	CB13.68L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/EG"
OF	CB13.76L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/EG"
OF	CB13.79L	OUTF	4/10/1991	GOOD	CONCRETE	C				?	?	"CB"
GF	CB13.82L	OUTF	4/10/1991		CONCRETE	C	2.0	2.0	3.1	?	?	"PW/EG"
OF	CB13.87L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/EG"
OF	CB13.93L	OUTF	4/10/1991		CONCRETE	C	1.8	1.8	2.8	?	?	"PW/EG"
GF	CB14.00L	OUTF	4/10/1991		CONCRETE	C	1.8	1.8	2.8	?	?	"PW/EG"
OF	CB14.06L	OUTF	4/10/1991		CONCRETE	C	1.5	1.5	2.4	?	?	"PW/EG"
OF	CB14.20L	OUTF	4/10/1991		CONCRETE	C	1.8	1.8	2.8	?	?	"PW/EG"
OF	CB14.24L	OUTF	4/10/1991		CONCRETE	C	1.8	1.8	2.8	?	?	"PW/EG"
OF	CB14.32L	OUTF	4/10/1991		CONCRETE	C	2.0	2.0	3.1	?	?	"PW/EG"
OF	CB14.44L	OUTF	4/10/1991		CONCRETE	C	2.0	2.0	3.1	?	?	"PW/EG"
OF	CB14.48L	OUTF	4/10/1991		CONCRETE	C	2.5	2.5	3.9	?	?	"PW/EG"
OF	CB14.60L	OUTF	4/10/1991	POOR	METAL	C	0.8	0.8	1.3	?	?	"RMP"
OF	CB14.71L	OUTF	4/10/1991	GOOD	CONCRETE	C	2.0	6.0	12.0	?	?	"CB"
OF	CE16.55L	OUTF	4/10/1991	GOOD	CONCRETE	C				?	?	"CB"
OF	IE00.70L	OUTF	6/6/1991	GOOD	CONCRETE	C	6.0	44.0	282.0	0.5	0.5	"CD"
OF	IE01.40L	OUTF	6/6/1991	GOOD	EARTH	C	4.5	39.0	175.5	?	?	
OF	IE05.09L	OUTF	6/6/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	IE05.47L	OUTF	6/6/1991	GOOD	CONCRETE	C		8.0		?	?	"CB"
OF	IE05.66L	OUTF	6/6/1991	GOOD	CONCRETE	C				?	?	"CP"
OF	IE05.85L	OUTF	6/6/1991	GOOD	METAL	C	2.0	2.0	3.1	?	?	"RMP"
OF	IE05.90L	OUTF	6/6/1991	GOOD	CONCRETE	C		4.0		?	?	"CB"
OF	IE06.04L	OUTF	6/6/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	IE07.18L	OUTF	6/6/1991	FAIR	METAL	C	3.0	3.0	4.7	?	?	"RMP"
OF	IE07.32L	OUTF	6/6/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"RCP"
OF	IE08.46L	OUTF	6/6/1991	GOOD	CONCRETE	C	27.0	30.0	810.0	?	?	"CBRDG"
OF	IE10.73L	OUTF	6/6/1991	GOOD	CONCRETE	C	6.0	15.0	90.0	?	?	"CBRDG"
OF	IE11.30L	OUTF	6/6/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	IE11.47L	OUTF	6/18/1991	GOOD	CONCRETE	C	3.0	3.0	9.0	?	?	"CBRDG"
OF	IE11.50L	OUTF	6/18/1991	GOOD	CONCRETE	C	4.0	10.0	40.0	?	?	"CBRDG"
OF	IE11.68L	OUTF	6/6/1991	GOOD	CONCRETE	C	5.5	11.5	62.2	?	?	"CBRDG"
OF	IE12.15L	OUTF	6/6/1991	GOOD	CONCRETE	C	6.3	14.5	31.4	?	?	"CBRDG"
OF	IE12.67L	OUTF	6/6/1991	GOOD	CONCRETE	C	3.2	3.0	9.6	?	?	"CBRDG"
OF	IE12.95L	OUTF	6/7/1991	GOOD	CONCRETE	C	2.0	2.0	15.0	?	?	"5 RCP"
OF	IE16.19L	OUTF	6/7/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	IE17.04L	OUTF	6/7/1991	GOOD	CONCRETE	C	12.0	28.3	412.8	?	?	"A=4, B=2.3"
OF	IE17.70L	OUTF	6/7/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	?	"CBRDG"
OF	IE18.65L	OUTF	6/7/1991	GOOD	CONCRETE	C		10.0		?	?	"CBRDG"
GF	IE19.31L	OUTF	6/7/1991	GOOD	EARTH	C	3.0	6.0	15.0	?	?	"REPRESENTATIVE FIGURES ONLY"
OF	LN00.09L	OUTF	6/25/1991	GOOD	CONCRETE	C	3.5	3.5	11.0	?	?	"DUAL RCP"
OF	LN00.13L	OUTF	6/25/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	LN00.32L	OUTF	6/25/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"RCP"
OF	LN00.41L	OUTF	6/25/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	?	"RCP"
OF	LN00.66L	OUTF	6/25/1991	GOOD	EARTH	C	0.5	10.0	5.0	?	?	"VERTICAL SIDES"
OF	LN00.85L	OUTF	6/25/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	?	"RCP"
OF	LN00.95L	OUTF	6/25/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	LN01.47L	OUTF	6/25/1991	GOOD	CONCRETE	C	5.0	5.0	7.9	?	?	"RCP IN BOX"
OF	LN01.90L	OUTF	6/25/1991	GOOD	CONCRETE	C	3.0	25.0	75.0	?	?	"VERTICAL SIDES"
OF	LN02.15L	OUTF	6/25/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	?	"RCP"
OF	LN02.29L	OUTF	6/25/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	?	"DUAL RCP"
OF	LN02.58L	OUTF	6/25/1991	GOOD	CONCRETE	C	2.5	15.25	36.1	?	?	"VERTICAL SIDES"
OF	LN03.02L	OUTF	6/25/1991	FAIR	CONCRETE	C	1.5	1.5	4.6	?	?	"DUAL RCP"
OF	LN03.34L	OUTF	6/25/1991	FAIR	CONCRETE	C	1.0	1.0	3.2	?	?	"DUAL RCP"
OF	LN03.81L	OUTF	6/25/1991	FAIR	CONCRETE	C	1.5	1.5	9.6	?	?	"4 RCP"
OF	LN03.95L	OUTF	6/25/1991	GOOD	CONCRETE	C	1.0	1.0	3.2	?	?	"DUAL RCP"

OF	LM04.14L	OUTF	6/26/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	? "BCP"
OF	LM04.28L	OUTF	6/26/1991	GOOD	EARTH	C	5.0	4.5	31.3	0.4	0.4 "B1=4.5, B2=8"
OF	LM04.32L	OUTF	6/27/1991	GOOD	CONCRETE	C	4.0	20.0	80.0	?	? "VERTICAL SIDES"
OF	LM04.37L	OUTF	6/26/1991	GOOD	CONCRETE	C	1.0	1.0	2.9	?	? "BCP"
OF	LM04.51L	OUTF	6/26/1991	GOOD	CONCRETE	C	1.0	1.0	1.6	?	? "BCP"
OF	LM04.67L	OUTF	6/27/1991	GOOD	CONCRETE	C	4.0	4.0	6.3	?	? "BCP"
OF	LM04.75L	OUTF	6/27/1991	GOOD	EARTH	C	1.5	9.0	13.5	?	? "VERTICAL SIDES"
OF	LM04.84L	OUTF	6/26/1991	GOOD	EARTH	C	1.8	9.6	20.7	0.3	0.3 "B1=9.6, B2=10.8, 1.5 RCP ALSO"
OF	LM05.26L	OUTF	6/26/1991	GOOD	EARTH	C	3.0	11.6	31.5	1.5	1.5 "B1=11, B2=20"
OF	LM05.40L	OUTF	6/26/1991	GOOD	EARTH	C	1.5	14.0	22.5	0.7	0.7 "B1=14, B2=16"
OF	NB00.26L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.28L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.32L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.49L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.54L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.59L	OUTF	5/31/1991	GOOD	CONCRETE	C	1.3	1.3	2.0	?	? "BCP"
OF	NB00.64L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB00.69L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB00.83L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB00.88L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB00.93L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB00.98L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.03L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.08L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.13L	OUTF	5/31/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.18L	OUTF	6/5/1991	GOOD	CONCRETE	C	1.3	1.3	4.4	?	? "DUAL RCP"
OF	NB01.23L	OUTF	6/5/1991	GOOD	CONCRETE	C	2.0	2.0	6.2	?	? "DUAL RCP"
OF	NB01.29L	OUTF	6/5/1991	GOOD	CONCRETE	C	2.0	2.0	6.2	?	? "DUAL RCP"
OF	NB01.32L	OUTF	6/5/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.38L	OUTF	6/5/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.42L	OUTF	6/5/1991	FAIR	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB01.50L	OUTF	6/5/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "BCP"
OF	NB01.51L	OUTF	6/5/1991	GOOD	CONCRETE	C	1.1	1.1	4.9	?	? "DUAL RCP"
OF	NB06.01L	OUTF	6/10/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	? "BCP"
OF	NB06.31L	OUTF	6/10/1991	GOOD	EARTH	C	0.5	37.0	18.5	?	?
OF	NB06.50L	OUTF	6/10/1991	GOOD	EARTH	C	2.5	25.0	62.5	?	?
OF	NB07.01L	OUTF	6/10/1991	GOOD	EARTH	C	6.0	26.0	188.0	0.3	0.3 "B1=26, B2=30, 1/2(B1 + B2)R = FLOW_AREA"
OF	NB07.26L	OUTF	6/14/1991	GOOD	EARTH	C	4.0	30.0	120.0	0.2	0.2 "B1=30, B2=34"
OF	NB07.35L	OUTF	6/14/1991	GOOD	CONCRETE	C	3.0	19.0	91.0	2.7	2.7 "B1=19, B2=35"
OF	NB07.41L	OUTF	6/14/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	? "2ND PIPE IN PAIS CONC. 1/4 SILTED IN."
OF	NB07.55L	OUTF	6/14/1991	GOOD	EARTH	C	5.0	6.0	40.0	0.4	0.4 "B1=6, B2=10"
OF	NB07.79L	OUTF	6/14/1991	GOOD	EARTH	C	3.0	5.5	30.3	?	?
OF	NB08.80L	OUTF	6/14/1991	GOOD	EARTH	C	4.8	7.0	38.4	0.2	0.2 "B1=7, B2=9"
OF	NB08.77L	OUTF	6/14/1991	GOOD	EARTH	C	2.5	30.0	75.0	?	?
OF	NB08.83L	OUTF	6/14/1991	GOOD	EARTH	C	3.0	12.0	42.0	0.3	0.3 "B1=12, B2=14"
OF	NB08.92L	OUTF	6/14/1991	GOOD	EARTH	C	7.0	4.0	28.0	?	?
OF	NB09.96L	OUTF	6/14/1991	GOOD	EARTH	C	2.0	20.0	45.0	1.3	1.3 "B1=20, B2=25"
OF	NB11.76L	OUTF	6/10/1991	GOOD	CONCRETE	C	2.5	4.5	13.8	0.8	0.8 "B1=4.4, B2=6.6"
OF	NB11.73L	OUTF	6/10/1991	GOOD	CONCRETE	C	3.0	6.2	34.1	1.7	1.7 "B1=6.2, B2=6.5"
OF	NB13.67L	OUTF	6/20/1991	GOOD	CONCRETE	C	5.0	6.5	32.5	?	?
OF	NB13.95L	OUTF	6/20/1991	GOOD	CONCRETE	C	3.0	10.0	33.0	0.3	0.3 "B1=10, B2=10"
OF	NB14.67L	OUTF	6/20/1991	GOOD	METAL	C	2.5	2.5	3.9	?	? "BCP"
OF	NB14.37L	OUTF	6/20/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB14.39L	OUTF	6/20/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "BCP"
OF	NB14.86L	OUTF	6/20/1991	GOOD	EARTH	C	4.5	16.0	49.5	0.2	0.2 "B1=10, B2=10"
OF	NB15.24L	OUTF	6/20/1991	GOOD	EARTH	C	6.0	6.0	36.0	?	?

OF	NS15.66L	OUTF	6/20/1991	GOOD	EARTH	C	4.0	11.0	44.0	?	?	
OF	NS16.40L	OUTF	6/13/1991	GOOD	EARTH	C	7.0	21.0	157.5	0.2	0.2	"B1-21, B2-24"
OF	NS16.61L	OUTF	6/13/1991	GOOD	EARTH	C	3.0	18.0	36.0	?	?	
OF	NS16.90L	OUTF	6/13/1991	GOOD	EARTH	C	2.0	20.0	40.0	?	?	
OF	NR20.28L	OUTF	6/13/1991	GOOD	EARTH	C	4.0	2.5	31.6	1.4	1.4	"B1-2.5, B2-13.3"
OF	NR21.53L	OUTF	6/13/1991	GOOD	EARTH	C	6.0	17.0	120.0	0.5	0.5	"B1-17, B2-23"
OF	NR22.95L	OUTF	6/13/1991	GOOD	EARTH	C	11.0	30.0	390.5	0.5	0.5	"B1-30, B2-41"
OF	NR29.69L	OUTF	6/13/1991	GOOD	EARTH	C	10.0	14.0	220.0	0.8	0.8	"B1-14, B2-30"
OF	NS31.25L	OUTF	6/21/1991	GOOD	EARTH	C	8.0	2.5	138.0	1.9	1.9	"B1-2.5, B2-32"
OF	NR32.04L	OUTF	6/21/1991	GOOD	EARTH	C	11.6	3.0	191.4	1.2	1.2	"B1-3, B2-30"
OF	NR34.50L	OUTF	6/13/1991	GOOD	EARTH	C	10.0	7.3	291.3	2.2	2.2	"B1-7.25, B2-51"
OF	NR35.40L	OUTF	6/21/1991	GOOD	EARTH	C	11.0	11.8	367.1	1.9	1.9	"B1-11.75, B2-55"
OF	NR35.73L	OUTF	6/21/1991	GOOD	EARTH	C	14.0	3.0	371.0	1.7	1.7	"B1-3, B2-50"
OF	NR35.96L	OUTF	6/21/1991	GOOD	EARTH	C	5.0	2.0	42.5	1.3	1.3	"B1-2, B2-15"
OF	OB00.28R	OUTF	4/16/1991	GOOD	CONCRETE	C	3.3	3.3	5.2	?	?	"BCP"
OF	OB00.29R	OUTF	4/16/1991	GOOD	EARTH	C	2.0	7.0	27.5	3.3	3.3	"B1-7, B2-20.5"
OF	OB01.00R	OUTF	4/11/1991	GOOD	CONCRETE	C	5.5	6.5	64.6	0.9	0.9	"B1-6.5, B2-17"
OF	OB01.00B	OUTF	4/11/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB01.30R	OUTF	4/11/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP - UNDERWATER"
OF	OB02.30R	OUTF	4/16/1991	GOOD	CONCRETE	C	3.0	3.0	9.4	?	?	"DUAL BCP"
OF	OB02.40R	OUTF	4/17/1991	GOOD	CONCRETE	C	2.2	2.2	3.5	?	?	"BCP"
OF	OB02.04R	OUTF	4/18/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB03.17R	OUTF	4/16/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB03.23R	OUTF	4/16/1991	GOOD	CONCRETE	C	6.5	10.0	195.0	?	?	"AT BRIDGE; FLOW FROM 4 WEIR DAM"
OF	OB03.50R	OUTF	4/17/1991	POOR	CONCRETE	C	1.1	1.1	1.7	?	?	"BCP"
OF	OB03.65R	OUTF	4/17/1991	POOR	CONCRETE	C	2.0	2.0	3.1	?	?	"BCP"
OF	OB04.07R	OUTF	4/18/1991	GOOD	EARTH	C	3.0	50.0	150.0	?	?	"DUAL DITCHES; 20x3 & 30x3"
OF	OB04.09R	OUTF	4/18/1991	GOOD	CONCRETE	C	1.2	1.2	1.9	?	?	"BCP"
OF	OB04.23R	OUTF	4/18/1991	GOOD	METAL	C	2.3	2.3	3.7	?	?	"RMP"
OF	OB04.54R	OUTF	4/18/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB04.58R	OUTF	4/18/1991	GOOD	CONCRETE	C	1.9	2.9	4.3	?	?	"CP"
OF	OB04.64R	OUTF	4/18/1991	POOR	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB05.14R	OUTF	4/17/1991	GOOD	CONCRETE	C	3.5	3.5	5.5	?	?	"BCP"
OF	OB05.35R	OUTF	4/17/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB05.46R	OUTF	4/17/1991	GOOD	CONCRETE	C	2.7	2.7	4.2	?	?	"BCP"
OF	OB05.65R	OUTF	4/17/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
OF	OB05.84R	OUTF	4/17/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
OF	OB06.65F	OUTF	4/18/1991	GOOD	EARTH	C	1.2	9.1	10.9	?	?	
OF	OB07.05R	OUTF	4/18/1991	GOOD	EARTH	C	3.0	6.0	18.0	?	?	"REPRESENTATIVE FIGURES FOR 'BIRDFOOT' CHANNEL"
OF	OB08.47R	OUTF	4/23/1991	GOOD	EARTH	C	0.8	371	278.5	?	?	"REPRESENTATIVE FIGURES FOR DELTA AREA"
OF	OB08.50R	OUTF	4/23/1991	GOOD	EARTH	C	1.5	712.0	1068.0	?	?	"REPRESENTATIVE FIGURES FOR DELTA AREA"
OF	OB09.47R	OUTF	4/23/1991	GOOD	EARTH	C	10.0	58.0	58.0	?	?	"BCP"
OF	OB09.89R	OUTF	4/18/1991	GOOD	EARTH	C	3.0	5.0	15.0	?	?	"NEAR VERTICAL SIDES"
OF	OB04.00L	OUTF	4/15/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	?	"BCP"
OF	OB04.25L	OUTF	4/15/1991	GOOD	CONCRETE	C	6.5	6.5	10.2	?	?	"BCP"
OF	OB04.47L	OUTF	4/15/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	?	"BCP"
OF	OB04.56L	OUTF	4/15/1991	GOOD	CONCRETE	C	5.0	5.0	7.9	?	?	"BCP"
OF	OB04.66L	OUTF	4/15/1991	GOOD	CONCRETE	C	2.3	2.3	3.7	?	?	"BCP"
OF	OB04.73L	OUTF	4/15/1991	GOOD	METAL	C	2.3	2.3	3.7	?	?	"RMP"
OF	OB04.80L	OUTF	4/15/1991	GOOD	CONCRETE	C	1.2	1.2	1.9	?	?	"BCP"
OF	OB04.86L	OUTF	4/15/1991	GOOD	METAL	C	1.8	1.8	2.8	?	?	"RMP"
OF	OB04.92L	OUTF	4/15/1991	GOOD	CONCRETE	C	1.8	1.8	2.8	?	?	"BCP"
OF	OB04.96L	OUTF	4/15/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB05.10L	OUTF	4/25/1991	GOOD	CONCRETE	C	5.5	5.5	8.6	?	?	"BCP"
OF	OB05.25L	OUTF	4/25/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	?	"BCP"
OF	OB05.37L	OUTF	4/25/1991	POOR	CONCRETE	C	1.8	1.8	2.8	?	?	"BCP"

OF	GB05.62L	OUTF	4/25/1991	GOOD	METAL	C	2.5	2.5	3.9	?	? "RCP"
OF	GB06.85L	OUTF	4/23/1991	GOOD	CONCRETE	C	5.0	5.0	15.8	?	? "DUAL RCP"
OF	GB07.32L	OUTF	4/23/1991	GOOD	CONCRETE	C	5.0	5.0	7.9	?	? "RCP"
OF	GB08.46L	OUTF	4/23/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	? "RCP"
OF	GB08.63L	OUTF	4/23/1991	GOOD	CONCRETE	C	2.5	2.5	3.9	?	? "RCP"
OF	GC00.09R	OUTF	4/30/1991	GOOD	EARTH	C	0.5	11.3	6.0	1.3	1.3 "B1-11.3, B2-12.8"
OF	GC01.36R	OUTF	4/30/1991	GOOD	CONCRETE	C	2.3	2.3	11.0	?	? "3 RCP"
OF	GC02.54R	OUTF	4/30/1991	GOOD	PVC	C	0.3	0.3	9.5	?	? "WATER TREATMENT PLANT"
OF	GC02.57R	OUTF	7/8/1991	GOOD	CONCRETE	C	5.0	5.0	19.1	?	? "DUAL 5 FT RCP & 1.5 RCP"
OF	GC02.64R	OUTF	4/30/1991	GOOD	CONCRETE	C	3.0	3.0	13.32	?	? "DUAL 3.0 RCP, SINGLE 22.5 RCP"
OF	GC02.86R	OUTF	5/1/1991	GOOD	EARTH	C	8.0	15.2	258.4	2.1	2.1 "B1-15.2, B2-49.4"
OF	GC03.52R	OUTF	4/30/1991	GOOD	EARTH	C	6.5	8.0	175.2	1.7	1.7 "B1-8, B2-35.8"
OF	GC04.13R	OUTF	5/1/1991	GOOD	CONCRETE	C	4.7	4.4	20.7	?	?
OF	GC04.36R	OUTF	5/3/1991	GOOD	EARTH	C	1.5	63.0	94.5	?	? "NEAR VERTICAL SIDES"
OF	GC04.37R	OUTF									"SUBMERGED"
OF	GC04.38R	OUTF	5/3/1991	GOOD	CONCRETE	C	2.3	2.3	3.7	?	? "RCP"
OF	GC04.45R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC04.47R	OUTF									? "GOLF CART UNDERPASS"
OF	GC04.51R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.8	1.8	2.8	?	? "RCP"
OF	GC04.56R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC04.61R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC04.69R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC04.78R	OUTF	5/1/1991	GOOD	CONCRETE	C	4.0	42.0	168.0	?	? "5 CB"
OF	GC04.82R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC04.87R	OUTF	5/1/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC04.88R	OUTF	5/1/1991	GOOD	CONCRETE	C	5.0	4.6	18.1	?	? "(3.14/4)(AOB)(COD)"
OF	GC04.91R	OUTF	5/7/1991	GOOD	CONCRETE	C	4.0	4.0	6.2	?	? "RCP"
OF	GC05.01B	OUTF	5/7/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "RCP"
OF	GC05.09R	OUTF	5/7/1991	GOOD	CONCRETE	C	3.5	3.5	5.5	?	? "RCP"
OF	GC05.14R	OUTF	5/7/1991	GOOD	CONCRETE	C	2.0	2.0	3.1	?	? "RCP"
OF	GC05.26R	OUTF	5/7/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC05.53R	OUTF	5/7/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC05.67R	OUTF	5/7/1991	GOOD	CONCRETE	C	5.0	8.0	200.0	?	? "5 CB"
OF	GC05.81R	OUTF	5/7/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC05.90R	OUTF	5/7/1991	GOOD	CONCRETE	C	2.3	2.3	3.7	?	? "RCP"
OF	GC06.03R	OUTF	5/7/1991	GOOD	CONCRETE	C	4.0	4.0	6.8	?	? "RCP"
OF	GC06.33R	OUTF	5/7/1991	GOOD	CONCRETE	C	3.0	3.0	4.7	?	? "RCP"
OF	GC06.42R	OUTF	5/9/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC06.61R	OUTF	5/9/1991	GOOD	CONCRETE	C	1.5	1.5	2.4	?	? "RCP"
OF	GC06.73R	OUTF	5/9/1991	GOOD	CONCRETE	C	6.0	6.0	9.4	?	? "RCP"
OF	GC07.38R	OUTF	5/9/1991	GOOD	EARTH	C	17.0	58.8	992.8	0.1	0.1 "B1-58.9, B2-60"
OF	GC07.75R	OUTF	5/10/1991	GOOD	EARTH	C				?	? "PMPD"
OF	GC07.94R	OUTF	5/10/1991	GOOD	EARTH	C	4.8	2.0	56.9	1.9	1.9 "B1-2, B2-21.7"
OF	GC08.11R	OUTF	5/10/1991	GOOD	EARTH	C	4.0	43.0	172.0	?	? "NEAR VERTICAL SIDES"
OF	GC09.35R	OUTF	5/10/1991	GOOD	EARTH	C	2.3	8.0	18.4	?	? "NEAR VERTICAL SIDES"
OF	GC09.98R	OUTF	5/14/1991	GOOD	EARTH	C				?	? "PMPD"
OF	GC10.10R	OUTF	5/14/1991	GOOD	EARTH	C	7.0	6.0	97.3	1.2	1.2 "B1-6, B2-21.8"
OF	GC10.97R	OUTF	5/14/1991	GOOD	EARTH	C	4.0	50.0	200.0	?	? "NEAR VERTICAL SIDES"
OF	GC12.46R	OUTF	5/23/1991	GOOD	EARTH	C	11.0	8.0	159.5	0.6	0.6 "B1-8, B2-21"
OF	GC13.45R	OUTF	7/8/1991	GOOD	METAL	C	4.0	4.0	5.28	?	? "RCP"
OF	GC15.93R	OUTF	5/16/1991	GOOD	EARTH	C	2.0	4.0	8.0	?	?
OF	GC15.97R	OUTF	5/16/1991	GOOD	EARTH	C	0.5	5.0	2.5	?	?
OF	GC16.61R	OUTF	5/16/1991	GOOD	EARTH	C	4.5	5	22.5	?	?
OF	GC16.92R	OUTF	5/16/1991	GOOD	CONCRETE	C	2.8	3.0	19.5	1.4	1.4 "B1-3, B2-11.2"
OF	GC20.25R	OUTF	5/27/1991	GOOD	EARTH	C	2.0	28.0	62.0	1.5	? "B1-28, B2-34"
OF	GC22.96R	OUTF	5/27/1991	GOOD	EARTH	C				?	? "PMPD"

