READ.ME FILE
FOR
THE AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

This file accompanies the digital AHYMO files for the Amole-Hubbell Management Plan. File extensions must be associated with the program the user expects to use to view files, before files can be opened.

AHYMO version AHYMO194 (Jan 1994) utilized for this DMP.

Drainage basins and their abbreviations used throughout the Amole-Hubbell Drainage Management Plan are as follows:

Basin	Abbreviation
98th & Central	98
Amole Arroyo	AA
Atrisco Business Park	AB
Amole/Hubbell Detention	AH
Amole del Norte	ADN or AN
Borrega	BR
Powerline	PL
Rio Bravo	RB
Sacate Blanco	SB
South Powerline	SP or SPL
Snow Vista	SV
Sunrise Estates	DN
Tierra Bayita	TB
Tower/Sage	TS
Unser	UN
Westgate	WG

Included on the disk are the AHYMO analysis files for existing conditions runs, developed conditions with existing facilities (DEVEX), and developed conditions with DMP recommended facilities (DMP). The convention for naming the AHYMO files is as follows:

1. The first two letters/numbers are the drainage basin abbreviation.

2. The next three letters/numbers are the return frequency of the run.

3. The next letter is either "E" or "D" for Existing or Developed.

4. The next number is the version.

5. The next letter is either "A" or "B" for 6 hour or 24 hour, respectively.

6. The file extensions are the associated AHYMO extensions; *.DAT for the input file, *.OUT for the output file, *.PUN for the punch hyd file and *.SUM for the summary table file.

EXAMPLE: SV100E1B.DAT is the Snow Vista Basin 100 Year - 24 hour storm first trial input file for existing conditions.
SV100D1B.DAT is the Snow Vista Basin 100 Year - 24 hour storm first trial input file for developed conditions, with existing facilities.

The exceptions to the above are the DMP and PMP files. For these files "_DMP#.*" replaces the "100D1B.*" sequence for the AHYMO files used in the design of the Drainage Management Plan. These files are Developed Conditions with the recommended facilities in place. (i.e. the extended spillways for the Amole and Hubbell Dams, etc.). For the Probable Maximum Precipitation (PMP) files the notation "_PMPF.*" or "_ PMPS.*" replaces the "100D1B.*" sequence for the AHYMO files used in the design of the PMP Freeboard and PMP Spillway models, respectively.

EXAMPLES: SV_DMP.DAT is the Snow Vista Basin DMP input file.
SV_PMPF.DAT is the Snow Vista Basin PMP Freeboard input file.
SV_PMPS.DAT is the Snow Vista Basin PMP Spillway input file.

The South Powerline Basin is included in the Rio Bravo AHYMO Model for DEVEX and DMP.

COMPACT DISK

Included with Volume III of the Amole-Hubbell Drainage Management Plan is a compact disk. The disk contains the AHYMO Files listed below: *Note: .PUN listed files not available (do not work)*

PMP Freeboard/Amole Hubbell Basins

Amole Arroyo Basins ..... AA_PMPF.DAT,*.OUT, and *.SUM
Borrega Basins ..... BR_PMPF.DAT, *.OUT, *.PUN and *.SUM
Powerline Basins ..... PL_PMPF.DAT, *.OUT, *.PUN and *.SUM
Rio Bravo Basins ..... RB_PMPF.DAT, *.OUT, *.PUN and *.SUM
Sacate Blanco Basins ..... SB_PMPF.DAT, *.OUT, *.PUN and *.SUM
Snow Vista Basins ..... SV_PMPF.DAT, *.OUT, *.PUN and *.SUM
Westgate Basins ..... WG_PMPF.DAT, *.OUT, *.PUN and *.SUM

PMP Freeboard/Amole del Norte Basins

98th and Central Basins ..... 98_PMPF.DAT, *.OUT, *.PUN and *.SUM
Atrisco Business Park Basins ..... AB_PMPF.DAT, *.OUT, *.PUN and *.SUM
Amole del Norte Basins ..... AN_PMPF.DAT, *.OUT, *.PUN and *.SUM
Sunrise Estates Basins ..... DN_PMPF.DAT, *.OUT, *.PUN and *.SUM
Tierra Bayita Basins ..... TB_PMPF.DAT, *.OUT, *.PUN and *.SUM
Tower/Sage Basins ..... TS_PMPF.DAT, *.OUT, *.PUN and *.SUM
Unser Basins ..... UN_PMPF.DAT, *.OUT, *.PUN and *.SUM

PMP Spillway/Amole Hubbell Basins

Amole Arroyo Basins ..... AA_PMPS.DAT,*.OUT, and *.SUM
Borrega Basins ..... BR_PMPS.DAT, *.OUT, *.PUN and *.SUM
Powerline Basins ..... PL_PMPS.DAT, *.OUT, *.PUN and *.SUM
Rio Bravo Basins ..... RB_PMPS.DAT, *.OUT, *.PUN and *.SUM
Sacate Blanco Basins ..... SB_PMPS.DAT, *.OUT, *.PUN and *.SUM
Snow Vista Basins ..... SV_PMPS.DAT, *.OUT, *.PUN and *.SUM
Westgate Basins ..... WG_PMPS.DAT, *.OUT, *.PUN and *.SUM

PMP Spillway/Amole del Norte Basins

98th and Central Basins ..... 98_PMPS.DAT, *.OUT, *.PUN and *.SUM
Atrisco Business Park Basins ..... AB_PMPS.DAT, *.OUT, *.PUN and *.SUM
Amole del Norte Basins ..... AN_PMPS.DAT, *.OUT, *.PUN and *.SUM
Sunrise Estates Basins ..... DN_PMPS.DAT, *.OUT, *.PUN and *.SUM
Tierra Bayita Basins ..... TB_PMPS.DAT, *.OUT, *.PUN and *.SUM
Tower/Sage Basins ..... TS_PMPS.DAT, *.OUT, *.PUN and *.SUM
Unser Basins ..... UN_PMPS.DAT, *.OUT, *.PUN and *.SUM

DMP/Amole Hubbell Basins

Amole Arroyo Basins ..... AA_DMP2.DAT,*.OUT, and *.SUM
Borrega Basins ..... BR_DMP1.DAT, *.OUT, *.PUN and *.SUM
Powerline Basins ..... PL_DMP1.DAT, *.OUT, *.PUN and *.SUM
Rio Bravo Basins ..... RB_DMP.DAT, *.OUT, *.PUN and *.SUM
Sacate Blanco Basins ..... SB_DMP.DAT, *.OUT, *.PUN and *.SUM
Snow Vista Basins ..... SV_DMP.DAT, *.OUT, *.PUN and *.SUM
Westgate Basins ..... WG_DMP.DAT, *.OUT, *.PUN and *.SUM

DMP/Amole del Norte Basins

98th and Central Basins ..... 98_DMP.DAT, *.OUT, *.PUN and *.SUM
Atrisco Business Park Basins ..... AB_DMP.DAT, *.OUT, *.PUN and *.SUM
Amole del Norte Basins ..... AN_DMP.DAT, *.OUT, *.PUN and *.SUM
Sunrise Estates Basins ..... DN_DMP.DAT, *.OUT, *.PUN and *.SUM
Tierra Bayita Basins ..... TB_DMP.DAT, *.OUT, *.PUN and *.SUM
Tower/Sage Basins ..... TS_DMP.DAT, *.OUT, *.PUN and *.SUM
Unser Basins ..... UN_DMP.DAT, *.OUT, *.PUN and *.SUM

DEVEX/Amole Hubbell Basins

Amole Arroyo Basins ..... AA100D1B.DAT, *.OUT, and *.SUM
Borrega Basins ..... BR100D1B.DAT, *.OUT, *.PUN and *.SUM
Powerline Basins ..... PL100D1B.DAT, *.OUT, *.PUN and *.SUM
Rio Bravo Basins ..... RB100D1B.DAT, *.OUT, *.PUN and *.SUM
Sacate Blanco Basins ..... SB100D1B.DAT, *.OUT, *.PUN and *.SUM
Snow Vista Basins ..... SV100D1B.DAT, *.OUT, *.PUN and *.SUM
Westgate Basins ..... WG100D1B.DAT, *.OUT, *.PUN and *.SUM

DEVEX/Amole del Norte Basins

98th and Central Basins ..... 98100D1B.DAT, *.OUT, *.PUN and *.SUM
Atrisco Business Park Basins ..... AB100D1B.DAT, *.OUT, *.PUN and *.SUM
Amole del Norte Basins ..... AN100D1B.DAT, *.OUT, *.PUN and *.SUM

Sunrise Estates Basins ..... DN100D1B.DAT, *.OUT, *.PUN and *.SUM
Tierra Bayita Basins ..... TB100D1B.DAT, *.OUT, *.PUN and *.SUM
Tower/Sage Basins ..... TS100D1B.DAT, *.OUT, *.PUN and *.SUM
Unser Basins ..... UN100D1B.DAT, *.OUT, *.PUN and *.SUM

EX/Amole Hubbell Basins
Amole Arroyo Basins ..... AA100E1B.DAT, *.OUT, and *.SUM
Borrega Basins ..... BR100E1B.DAT, *.OUT, *.PUN and *.SUM
Powerline Basins ..... PL100E1B.DAT, *.OUT, *.PUN and *.SUM
Rio Bravo Basins ..... RB100E1B.DAT, *.OUT, *.PUN and *.SUM
Sacate Blanco Basins ..... SB100E1B.DAT, *.OUT, *.PUN and *.SUM
Snow Vista Basins ..... SV100E1B.DAT, *.OUT, *.PUN and *.SUM
Westgate Basins ..... WGEXIST.DAT, *.OUT, *.PUN and *.SUM

EX/Amole del Norte Basins
98th and Central Basins ..... 98100E1B.DAT, *.OUT, *.PUN and *.SUM
Atrisco Business Park Basins ..... AB100E1B.DAT, *.OUT, *.PUN and *.SUM
Amole del Norte Basins ..... AN100E1B.DAT, *.OUT, *.PUN and *.SUM
Sunrise Estates Basins ..... DN100E1B.DAT, *.OUT, *.PUN and *.SUM
Tierra Bayita Basins ..... TB100E1B.DAT, *.OUT, *.PUN and *.SUM
Unser Basins ..... UN100E1B.DAT, *.OUT, *.PUN and *.SUM

III-B Existing Conditions AHYMO Summary Files

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =11/24/1997
INPUT FILE = AA100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00
*S
*S AMOLE ARROYO AND HUBBLE LAKE SYSTEM
*S
*S
*S 100-YR, 24-HR STORM WITH SEDIMENT
*S FILE NAME: AA100E1B.DAT
*S BY: RICHARD STOCKTON
*S LAST REVISION: 06-21-96
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE AMOLE ARROYO,
*S FROM WESTGATE DAM THROUGH TO THE HUBBLE LAKE DETENTION FACILITY. THIS RUN
*S USES THE RECALL HYD COMMAND TO INPUT HYDOGRAPHS FROM POWERLINE CHANNEL (PL),
*S SNOW VISTA CHANNEL (SV), SACATE BLANCO CHANNEL (SB), AMOLE DEL NORTE CHANNEL
*S (AN), RIO BRAVO (RB), AND THE BORREGA CHANNEL (BR). THIS RUN ALSO CALCULATES
*S RUNOFF FROM SUB-BASINS ADJACENT TO THE CHANNEL THAT ARE NOT INCLUDED IN THE
*S ABOVE MENTIONED HYDROGRAPHS.
*S ANALYSIS ASSUMPTIONS:
*S 1. ALL LAND IN THIS BASIN IS MODELED AS EXISTING CONDITION.
*S
*S 2. A BULKING FACTOR OF 15% HAS BEEN ADDED TO EACH UNDEVELOPED SUB-BASIN AND
*S A BULKING FACTOR OF 6% HAS BEEN ADDED TO EACH DEVELOPED SUB-BASIN LIKELY
*S TO PRODUCE SEDIMENT. A BULKING FACTOR OF 3% HAS BEEN ADDED TO EACH
*S DEVELOPED SUB-BASIN THAT WOULD PROBIBLY PRODUCE SEDIMENT, SUCH AS PARKS
*S AND SCHOOL PLAY GROUNDS. AND, NO BULKING FACTOR FOR WELL DEFINED RESIDEN
*S DEVELOPMENTS.
*S
*S100 YEAR 24HR STORM EXISTING CONDITION

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =11/24/1997
INPUT FILE = AA100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
RAINFALL TYPE= 2										RAIN24=2.660
*S RECALL OUTFLOW HYDROGRAPH FROM THE WESTGATE DAM										
RECALL HYD	WG100E1B.HYD	-	5	18.68360	73.15	167.311	.16791	11.250	.006	
*S HYD NO. WG100E1B.HYD IS ***** AP 01 *****										
*S ROUTE FLOW TO AP02										
ROUTE	WG101.5	5	11	18.68360	73.15	166.107	.16670	11.550	.006	
*S CALCULATE FLOW FROM SUB-BASIN 00102										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	102.00	-	2	.11190	111.00	3.658	.61291	1.550	1.550	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN WG101.5 TO THE FLOW FROM SUB-BASIN 00102.										
ADD HYD	102.10	11& 2	3	18.79550	131.45	169.765	.16935	1.550	.011	
*S RECALL OUTFLOW HYDROGRAPH FROM POWERLINE CHANNEL										
RECALL HYD	PL100E1B.HYD	-	10	1.69230	501.27	66.890	.74112	2.050	.463	
*S										
*S ADD THE RECALLED HYD FROM POWERLINE TO THE ROUTED FLOW										
*S FROM SUB-BASIN 00102.1										
*S HYD NO. 102.2 IS ***** AP 02 *****										
ADD HYD	102.20	10& 3	4	20.48780	561.67	236.656	.21658	2.050	.043	
*S ROUTE FLOW IN THE AMOLE ARROYO TO 900 FEET EAST OF POWERLINE CHANNEL.										
ROUTE	102.50	4	12	20.48780	561.23	235.937	.21592	2.100	.043	
*S										
*S CALCULATE FLOW FROM SUB-BASIN 00103A										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	00103A	-	2	.07170	66.41	1.996	.52199	1.550	1.447	PER IMP=.00
*S ROUTE FLOW THROUGH SUB-BASIN 00103B TO THE AMOLE ARROYO.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =11/24/1997
INPUT FILE = AA1OOE1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	00103A.5	2	11	.07170	37.08	1.996	.52201	1.650	.808	
*S CALCULATE FLOW FROM SUB-BASIN 00103B										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	00103B	-	2	.12070	67.15	3.253	.50526	1.650	.869	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 00103A.5 TO THE FLOW										
*S FROM SUB-BASIN 00103B.										
ADD HYD	00103B.1	11& 2	3	.19240	104.23	5.249	.51150	1.650	.846	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 00103B.1 TO THE ROUTED FLOW										
*S IN THE AMOLE ARROYO.										
ADD HYD	00103B.2	12& 3	4	20.68020	627.81	241.186	.21867	1.700	.047	
*S ROUTE FLOW FROM SUB-BASIN 00103B.2 IN THE AMOLE ARROYO TO										
*S DELGADO STREET.										
ROUTE	00103B.5	4	11	20.68020	636.46	240.711	.21824	1.700	.048	
*S										
*S CALCULATE FLOW FROM SUB-BASIN 00104										
*S GENERATION OF SEDIMENT POSSIBLE IN PARTLY DEVELOPED SUB-BASIN,										
*S BULK FLOWS 6%										
SEDIMENT BULK										PK BF =1.06
COMPUTE NM HYD	104.00	-	2	.01830	35.48	1.255	1.28543	1.500	3.030	PER IMP=26.00
*S ADD THE FLOW FROM SUB-BASIN 00104 TO THE ROUTED FLOW IN THE AMOLE ARROYO.										
*S HYD NO. 00104.1 IS ***** AP 02.1 *****										
ADD HYD	104.10	11& 2	3	20.69850	652.20	241.966	.21919	1.700	.049	
*S ROUTE FLOW FROM SUB-BASIN 00104 IN THE AMOLE ARROYO TO 2220 FEET WEST										
*S FOR SNOW VISTA CHANNEL										
ROUTE	104.50	3	11	20.69850	588.24	240.684	.21803	2.150	.044	
*S										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =11/24/1997
INPUT FILE = AA100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S CALCULATE FLOW FROM SUB-BASIN 00105										
*S GENERATION OF SEDIMENT POSSIBLE IN PARTLY DEVELOPED SUB-BASIN,										
*S BULK FLOWS 6%										
SEDIMENT BULK										PK BF =1.06
COMPUTE NM HYD	105.00	-	2	.07670	103.45	4.128	1.00923	1.500	2.107	PER IMP=22.00
*S ADD THE FLOW FROM SUB-BASIN 00105 TO THE ROUTED FLOW IN THE AMOLE ARROYO.										
*S HYD NO. 00105.1 IS ***** AP 02.2 *****										
ADD HYD	105.10	11& 2	3	20.77520	619.90	244.812	.22095	1.800	.047	
*S ROUTE FLOW FROM SUB-BASIN 00105 IN THE AMOLE ARROYO TO SNOW VISTA CHANNEL.										
ROUTE	105.50	3	11	20.77520	601.66	243.854	.22008	1.850	.045	
*S										
*S CALCULATE FLOW FROM SUB-BASIN 00106										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	106.00	-	2	.04150	40.08	1.137	.51360	1.500	1.509	PER IMP=.00
*S ADD THE FLOW FROM SUB-BASIN 00106 TO THE ROUTED FLOW IN THE AMOLE ARROYO.										
ADD HYD	106.10	11& 2	3	20.81670	608.81	244.990	.22067	1.850	.046	
*S RECALL OUTFLOW HYDROGRAPH FROM SNOW VISTA CHANNEL.										
RECALL HYD	SV100E1B.HYD	-	2	1.80220	1828.07	105.681	1.09950	1.600	1.585	
*S										
*S ADD THE OUTFLOW HYDROGRAPH FROM SNOW VISTA CHANNEL TO THE FLOW										
*S IN THE AMOLE ARROYO.										
*S HYD NO. 00106.2 IS ***** AP 03 *****										
ADD HYD	106.20	3& 2	4	22.61890	1989.94	350.672	.29069	1.600	.137	
*S ROUTE COMBINED FLOW FROM SUB-BASIN 00106.2 IN THE AMOLE ARROYO TO										
*S 1970 FEET EAST OF THE SNOW VISTA CHANNEL.										
ROUTE	106.50	4	12	22.61890	2001.70	349.723	.28990	1.650	.138	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =11/24/1997
INPUT FILE = AA1OOE1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S										
*S CALCULATE FLOW FROM SUB-BASIN 00107										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	107.00	-	2	.11970	91.48	3.359	.52620	1.550	1.194	PER IMP=.00
*S ROUTE FLOW THROUGH SUB-BASIN 00108 TO THE AMOLE ARROYO.										
ROUTE	107.50	2	11	.11970	50.79	3.359	.52621	1.700	.663	
*S CALCULATE FLOW FROM SUB-BASIN 00108										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	108.00	-	2	.22610	177.40	6.193	.51360	1.550	1.226	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 00107.5 TO THE FLOW										
*S FROM SUB-BASIN 00108										
ADD HYD	108.10	11& 2	3	.34580	209.97	9.553	.51796	1.600	.949	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 00108.1 TO THE ROUTED FLOW										
*S IN THE AMOLE ARROYO.										
ADD HYD	108.20	12& 3	4	22.96470	2201.53	359.275	.29334	1.650	.150	
*S CALCULATE FLOW FROM SUB-BASIN 00109										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	109.00	-	2	.06080	35.97	1.638	.50526	1.600	.924	PER IMP=.00
*S ADD THE FLOW FROM SUB-BASIN 00109 TO THE COMBINED FLOW IN THE AMOLE ARROYO.										
ADD HYD	109.10	4& 2	3	23.02550	2236.63	360.914	.29390	1.650	.152	
*S ROUTE FLOW FROM SUB-BASIN 00109.1 IN THE AMOLE ARROYO TO THE SACATE BLANCO CH										
ROUTE	109.50	3	11	23.02550	2100.73	359.402	.29267	1.700	.143	
*S										
*S CALCULATE FLOW FROM SUB-BASIN 00110										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =11/24/1997
INPUT FILE = AA100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	110.00	-	2	.06430	40.31	1.733	.50526	1.600	.980	PER IMP=.00
*S ADD THE FLOW FROM SUB-BASIN 00110 TO THE ROUTED FLOW IN THE AMOLE ARROYO.										
ADD HYD	110.10	11& 2	3	23.08980	2134.94	361.135	.29326	1.700	.144	
*S RECALL										
*S RECALL OUTFLOW HYDROGRAPH FROM SACATE BLANCO CHANNEL.										
RECALL HYD	SB100E1B.HYD	-	2	1.52830	901.01	43.432	.53285	1.750	.921	
*S										
*S ADD THE OUTFLOW HYDROGRAPH FROM THE SACATE BLANCO CHANNEL TO THE FLOW										
*S IN THE AMOLE ARROYO.										
*S HYD NO. 00110.2 IS ***** AP 04 *****										
ADD HYD	110.20	3& 2	4	24.61810	3022.36	404.567	.30813	1.700	.192	
*S ROUTE COMBINED FLOW FROM SUB-BASIN 00110.2 IN THE AMOLE ARROYO TO										
*S THE AMOLE DETENTION FACILITY.										
ROUTE	110.50	4	11	24.61810	3027.12	404.272	.30791	1.750	.192	
*S RECALL THE OUTFLOW HYDROGRAPH FROM THE AMOLE DEL NORTE WATERSHED										
RECALL HYD	AN100E1B.HYD	-	30	6.30250	1642.96	252.210	.75033	1.700	.407	
*S ADD THE FLOW FROM THE AMOLE ARROYO TO THE FLOW FROM THE AMOLE DEL NORTE										
*S CHANNEL. THIS IS THE TOTAL FLOW INTO THE AMOLE DETENTION FACILITY.										
*S HYD NO. AP40 IS ***** AP 40 *****										
ADD HYD	AP40	11&30	40	30.92060	4666.79	656.482	.39809	1.700	.236	
*S										
*S IMPORTANT NOTE: RESERVOIR ROUTE DOES NOT INCLUDE ALL OF THE VOLUME FROM										
*S OTHER PONDS. THEREFORE, VERIFY VOLUME FROM THE OUTFLOW										
*S HYDROGRAPH. THIS WILL ACCOUNT FOR THE VOLUME OF RUNOFF										
*S TRUNCATED FROM THE INFLOW HYDROGRAPH.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =11/24/1997
INPUT FILE = AA10OE1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S										
*S ROUTE THE FLOW IN THE AMOLE DETENTION FACILITY WITH THE ROUTE RESERVOIR										
ROUTE RESERVOIR	AMOLE.OUT	40	41	30.92060	122.10	163.946	.09942	12.650	.006	AC-FT=493.697
*S HYD NO. AMOLE.OUT IS ***** AP 41 *****										
*S NOTE: PRINCIPLE SPILLWAY IS MODELED AS CLOSED, THEREFORE AP 40.1 = 0 CFS										
*S ROUTE THE OUTFLOW DOWN THE AMOLE/HUBBLE DIVERSION CHANNEL TO 300 FEET										
*S NORTH OF THE PROPOSED RIO BRAVO CROSSING										
ROUTE	AP40.5	41	11	30.92060	122.08	163.497	.09914	12.700	.006	
*S CALCULATE THE FLOW FROM SUB-BASIN 40001										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E40001	-	2	.07170	63.10	2.420	.63292	1.550	1.375	PER IMP=3.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN AP40.5 TO THE FLOW FROM SUB-BASIN 40001.										
ADD HYD	E40001.1	11& 2	3	30.99230	122.12	165.917	.10038	12.700	.006	
*S RECALL THE OUTFLOW HYDROGRAPH FROM THE NORTH PORTION OF RIO BRAVO										
RECALL HYD	RB100E1B.HYD	-	5	.59780	400.38	21.094	.66162	1.650	1.046	
*S ADD THE FLOW FROM THE RECALLED HYDROGRAPH TO THE FLOW FROM SUB-BASIN 40001.1										
*S HYD NO. RB1.1 IS ***** AP 42 *****										
ADD HYD	RB1.1	3& 5	4	31.59010	456.82	187.011	.11100	1.600	.023	
*S ROUTE THE COMBINED FLOW INTO HUBBLE LAKE										
ROUTE	AP40.5	4	11	31.59010	461.53	186.846	.11090	1.650	.023	
*S RECALL THE OUTFLOW HYDROGRAPH FROM THE SOUTH PORTION OF RIO BRAVO.										
RECALL HYD	RB100E2B.HYD	-	5	.84640	356.77	22.808	.50526	1.750	.659	
*S ADD THE FLOW FROM THE RECALL HYDROGRAPH TO THE TOTAL FLOW IN HUBBLE LAKE.										
ADD HYD	2.10	11& 5	3	32.43650	778.65	209.654	.12119	1.700	.038	
*S RECALL THE HYDROGRAPH FROM THE BORREGA WATERSHED.										
RECALL HYD	BR100E1B.HYD	-	5	1.38790	612.06	41.060	.55470	1.800	.689	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =11/24/1997
INPUT FILE = AA1OOE1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ADD THE FLOW FROM THE RECALL HYDROGRAPH TO THE TOTAL FLOW IN HUBBLE LAKE.										
*S HYD NO. RB2.1 IS ***** AP 50 *****										
ADD HYD	2.10	3& 5	4	33.82440	1324.72	250.714	.13898	1.750	.061	
*S ROUTE THE TOTAL FLOW INTO HUBBLE LAKE WITH THE ROUTE RESERVOIR.										
*S										
*S IMPORTANT NOTE: RESERVOIR ROUTE DOES NOT INCLUDE ALL OF THE VOLUME FROM										
*S OTHER PONDS. THEREFORE, VERIFY VOLUME FROM THE OUTFLOW										
*S HYDROGRAPH. THIS WILL ACCOUNT FOR THE VOLUME OF RUNOFF										
*S TRUNCATED FROM THE INFLOW HYDROGRAPH.										
*S										
ROUTE RESERVOIR	HUBBLE.LAKE	4	99	33.82440	.04	.054	.00003	29.950	.000	AC-FT=250.486
*S NOTE: PRINCIPLE SPILLWAY IS MODELED AS CLOSED, THEREFORE AP 50.1 = 0 CFS										
*S HYD NO. 99 IS ***** AP 50.2 *****										
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = BR100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00
*S
*S BORREGA WATERSHED
*S
*S
*S 100-YR, 24-HR STORM WITH SEDIMENT
*S FILE NAME: BR100E1B.DAT
*S BY: RICHARD STOCKTON
*S LAST REVISION: 05-14-96
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE BORREGA
*S BASIN. FLOWS FROM THIS BASIN IS CONVEYED TO HUBBLE LAKE DETENTION FACILITY
*S VIA THE BORREGA DIVERSION CHANNEL.
*S
*S ANALYSIS ASSUMPTIONS:
*S 1. ALL LAND IN THIS BASIN IS MODELED AS EXISTING CONDITION.
*S
*S 2. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL
*S HYDROGRAPH COULD BE USED IN THE AMOLE DEL NORTE EXISTING CONDITIONS MODEL
*S AA100E1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE ARROYO SYSTE
*S
*S 3. A BULKING FACTOR OF 15% HAS BEEN ADDED TO EACH UNDEVELOPED SUB-BASIN AND
*S A BULKING FACTOR OF 6% HAS BEEN ADDED TO EACH DEVELOPED SUB-BASIN LIKELY
*S TO PRODUCE SEDIMENT. A BULKING FACTOR OF 3% HAS BEEN ADDED TO EACH

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = BR100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S	DEVELOPED SUB-BASIN THAT WOULD PROBIBLY PRODUCE SEDIMENT, SUCH AS PARKS									
*S	AND SCHOOL PLAY GROUNDS. AND, NO BULKING FACTOR FOR WELL DEFINED RESIDEN									
*S	DEVELOPMENTS.									
*S										
*S100 YEAR 24HR STORM EXISTING CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
*S BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	101.10	-	1	.15400	169.57	4.626	.56327	1.500	1.721	PER IMP=.00
ROUTE	101.30	1	2	.15400	95.88	4.626	.56328	1.650	.973	
COMPUTE NM HYD	102.10	-	1	.19530	155.27	5.619	.53942	1.550	1.242	PER IMP=.00
ADD HYD	102.30	1& 2	2	.34930	248.09	10.245	.54994	1.600	1.110	
COMPUTE NM HYD	103.10	-	1	.05400	71.53	1.984	.68892	1.500	2.070	PER IMP=.00
ROUTE	103.30	1	3	.05400	50.37	1.984	.68893	1.600	1.458	
COMPUTE NM HYD	104.10	-	1	.03925	58.19	1.604	.76631	1.500	2.317	PER IMP=.00
ROUTE	104.30	1	4	.03925	40.11	1.604	.76633	1.600	1.597	
ADD HYD	104.40	3& 4	3	.09325	90.48	3.588	.72149	1.600	1.516	
ROUTE	104.50	3	4	.09325	67.57	3.588	.72150	1.750	1.132	
COMPUTE NM HYD	105.10	-	1	.17870	138.87	5.118	.53702	1.600	1.214	PER IMP=.00
ADD HYD	105.30	1& 4	4	.27195	184.90	8.706	.60027	1.600	1.062	
COMPUTE NM HYD	106.10	-	1	.09702	85.15	2.849	.55059	1.550	1.371	PER IMP=.00
ADD HYD	106.30	1& 4	4	.36897	264.82	11.555	.58721	1.600	1.121	
ROUTE	106.40	4	3	.36897	264.68	11.555	.58721	1.600	1.121	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = BR100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	107.10	-	1	.01146	10.85	.309	.50526	1.500	1.479	PER IMP=.00
ADD HYD	107.30	1& 3	3	.38043	273.38	11.864	.58474	1.600	1.123	
ADD HYD	107.40	2& 3	2	.72973	521.47	22.109	.56808	1.600	1.117	
ROUTE	107.50	2	3	.72973	395.34	22.109	.56808	1.700	.847	
COMPUTE NM HYD	108.10	-	1	.21455	124.22	5.782	.50526	1.650	.905	PER IMP=.00
ADD HYD	108.30	1& 3	3	.94428	512.97	27.891	.55381	1.700	.849	
COMPUTE NM HYD	109.10	-	1	.19140	112.06	5.251	.51444	1.650	.915	PER IMP=.00
*S LH *** AP51 HEAD OF DIVERSION CHANNEL										
ADD HYD	109.30	1& 3	3	1.13568	618.98	33.142	.54717	1.700	.852	
ROUTE	109.40	3	4	1.13568	619.90	33.142	.54717	1.700	.853	
ROUTE	109.50	4	3	1.13568	611.65	33.142	.54717	1.700	.842	
COMPUTE NM HYD	110.10	-	1	.14730	99.58	4.946	.62959	1.650	1.056	PER IMP=.90
ADD HYD	110.30	1& 3	3	1.28298	708.31	38.088	.55664	1.700	.863	
ROUTE	110.40	3	4	1.28298	571.58	38.088	.55663	1.850	.696	
COMPUTE NM HYD	111.10	-	1	.10495	56.66	2.972	.53091	1.650	.844	PER IMP=.00
*S LH *** AP52 INFLOW INTO 60" PIPE										
ADD HYD	BR100E1B.HYD	1& 4	4	1.38793	612.06	41.060	.55469	1.800	.689	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = PL100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00
*S
*S POWERLINE CHANNEL
*S
*S
*S 100-YR, 24-HR STORM WITH SEDIMENT
*S FILE NAME: PL100E1B.DAT
*S BY: RICHARD STOCKTON PEER REVIEWED BY: CLINT DODGE
*S LAST REVISION: 05-14-96
*S**********
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE POWERLINE
*S WATERSHED. FLOW FROM THIS BASIN IS CONVEYED TO THE AMOLE DETENTION FACILITY
*S VIA THE AMOLE ARROYO. BASIN BOUNDARIES WERE DETERMINED FROM NOVEMBER 1995
*S AERIAL, TOPOGRAPHICAL MAPS AND PREVIOUS STUDIES.
*S
*S**********
*S ANALYSIS ASSUMPTIONS:
*S**********
*S 1. ALL LAND IN THIS BASIN IS MODELED AS EXISTING CONDITION.
*S
*S 2. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL
*S HYDROGRAPH COULD BE USED IN THE AMOLE ARROYO EXISTING CONDITIONS MODEL
*S AA100E1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE/HUBBLE
*S LAKE DETENTION SYSTEM.
*S
*S 3. A BULKING FACTOR HAS BEEN ADDED TO EACH UNDEVELOPED SUB-BASIN. THE BULKIN

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = PL100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S	FACTOR IS BASED ON LAND TREATMENT AND SLOPE. FOR SLOPES >20% (LAND									
*S	TREATMENT C) THE BULKING FACTOR IS 54%, AND SLOPES <20% (LAND TREATMENTS A									
*S	AND B) THE BULKING FACTOR IS 15% FOR EXISTING CONDITIONS. A WEIGHTED									
*S	AVERAGE WAS USED FOR SUB-BASINS CONTAINING BOTH SLOPE GROUPS.									
*S										
*S100 YEAR 24HR STORM EXISTING CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
*S CALCULATE THE FLOW FROM SUB-BASIN 10001.										
*S BASIN 10001 IS CURRENTLY UNDEVELOPED, BULK FLOWS 34.5%										
SEDIMENT BULK										PK BF =1.35
COMPUTE NM HYD	10001.00	-	2	.27380	387.31	15.084	1.03296	1.600	2.210	PER IMP=.00
*S ROUTE FLOW FROM SUB-BASIN 10001 THROUGH 2-48" PIPES UNDER I-40.										
*S NOTE: THE HYDRAULIC PROPERTIES OF 2-48" RCP IS APPROXIMATELY										
*S THE SAME AS A 63" DIA PIPE.										
ROUTE	10001.50	2	5	.27380	386.15	15.084	1.03296	1.600	2.204	
*S ROUTE FLOW FROM SUB-BASIN 10001.5 TO POWERLINE CHANNEL.										
ROUTE	10001.60	5	11	.27380	357.47	15.084	1.03296	1.650	2.040	
*S CALCULATE THE FLOW FROM SUB-BASIN 10002.										
*S BASIN 10002 IS CURRENTLY UNDEVELOPED, BULK FLOWS 54%										
SEDIMENT BULK										PK BF =1.54
COMPUTE NM HYD	10002.00	-	2	.01780	50.01	1.452	1.52933	1.500	4.390	PER IMP=.00
*S ROUTE FLOW FROM SUB-BASIN 10002 THROUGH 30" PIPE UNDER I-40.										
ROUTE	10002.50	2	5	.01780	49.68	1.452	1.52937	1.500	4.361	
*S ROUTE FLOW FROM SUB-BASIN 10002.5 TO POWERLINE CHANNEL.										
ROUTE	10002.60	5	12	.01780	34.36	1.452	1.52937	1.600	3.016	
*S CALCULATE THE FLOW FROM SUB-BASIN 10003.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = PL100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S BASIN 10003 IS CURRENTLY UNDEVELOPED, BULK FLOWS 25.5%										
SEDIMENT BULK										PK BF =1.25
COMPUTE NM HYD	10003.00	-	2	.12020	163.43	4.869	.75948	1.500	2.124	PER IMP=2.00
*S ROUTE FLOW FROM SUB-BASIN 10003 THROUGH 48" PIPE UNDER I-40.										
ROUTE	10003.50	2	5	.12020	162.56	4.869	.75948	1.550	2.113	
*S ROUTE FLOW FROM SUB-BASIN 10003.5 TO POWERLINE CHANNEL.										
ROUTE	10003.60	5	13	.12020	134.88	4.869	.75949	1.600	1.753	
*S CALCULATE THE FLOW FROM SUB-BASIN 10004.										
*S BASIN 10004 IS CURRENTLY UNDEVELOPED, BULK FLOWS 38.1%										
SEDIMENT BULK										PK BF =1.38
COMPUTE NM HYD	10004.00	-	2	.05540	61.60	3.241	1.09678	1.700	1.737	PER IMP=2.00
*S ROUTE FLOW FROM SUB-BASIN 10004 THROUGH 24" PIPE UNDER I-40.										
ROUTE	10004.50	2	5	.05540	61.74	3.241	1.09679	1.700	1.741	
*S ROUTE FLOW FROM SUB-BASIN 10004.5 TO POWERLINE CHANNEL.										
ROUTE	10004.60	5	14	.05540	50.26	3.241	1.09679	1.800	1.418	
*S CALCULATE THE FLOW FROM SUB-BASIN 10005.										
*S BASIN 10005 IS CURRENTLY UNDEVELOPED, BULK FLOWS 18.2%										
SEDIMENT BULK										PK BF =1.18
COMPUTE NM HYD	10005.00	-	2	.02040	29.02	.871	.80068	1.500	2.223	PER IMP=5.00
*S ROUTE FLOW FROM SUB-BASIN 10005 THROUGH 42" PIPE UNDER I-40.										
ROUTE	10005.50	2	5	.02040	28.83	.871	.80070	1.500	2.208	
*S ROUTE FLOW FROM SUB-BASIN 10005.5 TO POWERLINE CHANNEL.										
ROUTE	10005.60	5	15	.02040	12.73	.871	.80070	1.700	.975	
*S CALCULATE THE FLOW FROM SUB-BASIN 10006.										
*S BASIN 10006 IS CURRENTLY UNDEVELOPED, BULK FLOWS 29.9%										
SEDIMENT BULK										PK BF =1.30

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = PL100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	10006.00	-	2	.28340	456.88	13.245	.87629	1.500	2.519	PER IMP=2.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10001.6 TO THE FLOW FROM SUB-BASIN 10006.										
ADD HYD	10006.10	11& 2	3	.55720	693.82	28.329	.95327	1.600	1.946	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10002.6 TO THE FLOW FROM SUB-BASIN 10006.1										
ADD HYD	10006.20	12& 3	3	.57500	728.18	29.781	.97110	1.600	1.979	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10003.6 TO THE FLOW FROM SUB-BASIN 10006.2										
ADD HYD	10006.30	13& 3	3	.69520	863.07	34.649	.93451	1.600	1.940	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10004.6 TO THE FLOW FROM SUB-BASIN 10006.3										
ADD HYD	10006.40	14& 3	3	.75060	883.67	37.890	.94649	1.600	1.840	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10005.6 TO THE FLOW FROM SUB-BASIN 10006.4										
*S HYD NO. 10006.5 IS ******** AP 11 *******										
ADD HYD	10006.50	15& 3	3	.77100	895.29	38.761	.94263	1.600	1.814	
*S ROUTE FLOW FROM SUB-BASIN 10006.5 THROUGH 2-12'x6' RCB UNDER CENTRAL.										
*S NOTE: THE HYDRAULIC PROPERTIES OF 2-12'x6' RCB IS APPROXIMATELY THE										
*S SAME AS A 169" DIA PIPE.										
ROUTE	10006.60	3	11	.77100	894.74	38.761	.94263	1.600	1.813	
*S CALCULATE THE FLOW FROM SUB-BASIN 10007.										
*S BASIN 10007 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10007.00	-	2	.04780	54.48	1.525	.59817	1.500	1.781	PER IMP=.00
*S ROUTE FLOW FROM SUB-BASIN 10007 THROUGH 8'x4' RCB UNDER CENTRAL.										
*S NOTE: THE HYDRAULIC PROPERTIES OF 8'x4' RCB IS APPROXIMATELY THE										
*S SAME AS A 81" DIA PIPE.										
ROUTE	10007.50	2	5	.04780	54.62	1.525	.59821	1.500	1.785	
*S ROUTE FLOW FROM SUB-BASIN 10007.5 TO 200 FEET SOUTH OF CENTRAL AND										
*S POWERLINE CHANNEL.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = PL100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	10007.60	5	12	.04780	46.10	1.525	.59821	1.600	1.507	
*S CALCULATE THE FLOW FROM SUB-BASIN 10008.										
*S BASIN 10008 IS CENTRAL AVE WEST OF POWERLINE, BULK FLOWS 20.3%										
SEDIMENT BULK										PK BF =1.20
COMPUTE NM HYD	10008.00	-	2	.02150	36.33	1.577	1.37500	1.550	2.640	PER IMP=30.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10006.6 TO THE FLOW FROM SUB-BASIN 10008.										
ADD HYD	10008.10	11& 2	3	.79250	927.27	40.338	.95436	1.600	1.828	
*S ROUTE FLOW FROM SUB-BASIN 10008.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10009, 200 FEET SOUTH OF CENTRAL.										
ROUTE	10008.50	3	11	.79250	931.18	40.338	.95436	1.600	1.836	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10007.6 TO THE ROUTED FLOW										
*S FROM SUB-BASIN 10008.5										
ADD HYD	10008.20	12&11	3	.84030	977.28	41.863	.93410	1.600	1.817	
*S ROUTE FLOW FROM SUB-BASIN 10008.2 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10009, TO SEDIMENT BASIN ENTRANCE.										
ROUTE	10008.60	3	11	.84030	979.15	41.863	.93410	1.600	1.821	
*S CALCULATE THE FLOW FROM SUB-BASIN 10009.										
*S BASIN 10009 IS CURRENTLY UNDEVELOPED, BULK FLOWS 19.7%										
SEDIMENT BULK										PK BF =1.20
COMPUTE NM HYD	10009.00	-	2	.08150	85.82	2.564	.58979	1.550	1.645	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10008.6 TO THE FLOW FROM										
*S SUB-BASIN 10009, FLOW ENTERS INTO SED BASIN.										
*S HYD NO. 10009.1 IS ******* AP 12 ******										
ADD HYD	10009.10	11& 2	3	.92180	1052.39	44.426	.90366	1.600	1.784	
*S CALCULATE THE FLOW FROM SUB-BASIN 10010.										
*S BASIN 10010 IS CURRENTLY UNDEVELOPED, BULK FLOWS 18.4%										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = PL100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
SEDIMENT BULK										PK BF =1.18
COMPUTE NM HYD	10010.00	-	2	.05910	73.05	2.079	.65971	1.500	1.931	PER IMP=1.00
*S ADD THE FLOW FROM SUB-BASIN 10010 TO THE COMBINED FLOW IN THE SED BASIN.										
ADD HYD	10010.10	2& 3	3	.98090	1110.05	46.506	.88896	1.600	1.768	
*S CALCULATE THE FLOW FROM SUB-BASIN 10011.										
*S BASIN 10011 IS CURRENTLY UNDEVELOPED, BULK FLOWS 22.8%										
SEDIMENT BULK										PK BF =1.23
COMPUTE NM HYD	10011.00	-	2	.12400	164.30	4.492	.67923	1.500	2.070	PER IMP=.00
*S ADD THE FLOW FROM SUB-BASIN 10011 TO THE COMBINED FLOW IN THE SED BASIN.										
ADD HYD	10011.10	2& 3	3	1.10490	1238.58	50.998	.86542	1.600	1.752	
*S CALCULATE THE FLOW FROM SUB-BASIN 10012.										
*S BASIN 10012 IS CURRENTLY UNDEVELOPED, BULK FLOWS 20.9%										
SEDIMENT BULK										PK BF =1.21
COMPUTE NM HYD	10012.00	-	2	.04890	55.72	1.573	.60331	1.500	1.780	PER IMP=.00
*S ADD THE FLOW FROM SUB-BASIN 10012 TO THE COMBINED FLOW IN THE SED BASIN.										
ADD HYD	10011.10	2& 3	3	1.15380	1283.00	52.571	.85431	1.600	1.737	
*S ROUTE TOTAL FLOW THROUGH SEDIMENTATION BASIN.										
ROUTE RESERVOIR	10012.80	3	8	1.15380	454.43	51.916	.84366	1.900	.615	AC-FT=29.283
*S HYD NO. 10012.8 IS ******* AP 13 ******										
*S ROUTE OUTFLOW FROM SED BASIN DOWN POWERLINE CHANNEL THROUGH SUB-BASIN 10013.										
ROUTE	10012.60	8	11	1.15380	454.17	51.907	.84352	1.950	.615	
*S CALCULATE THE FLOW FROM SUB-BASIN 10013.										
*S BASIN 10013 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10013.00	-	2	.09380	96.81	2.691	.53800	1.500	1.613	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10012.6 TO THE FLOW FROM SUB-BASIN 10013.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = PL100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	10013.10 11&	2	3	1.24760	464.07	54.598	.82055	1.950	.581	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10013.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10014.										
ROUTE	10013.50	3	11	1.24760	464.56	54.592	.82046	1.950	.582	
*S CALCULATE THE FLOW FROM SUB-BASIN 10014.										
*S BASIN 10014 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10014.00	-	2	.08610	88.54	2.470	.53800	1.500	1.607	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10013.5 TO THE FLOW FROM SUB-BASIN 10014.										
ADD HYD	10014.10 11&	2	3	1.33370	473.67	57.063	.80222	1.950	.555	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10014.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10015.										
ROUTE	10014.50	3	11	1.33370	470.42	57.050	.80205	2.000	.551	
*S CALCULATE THE FLOW FROM SUB-BASIN 10015.										
*S BASIN 10015 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10015.00	-	2	.09760	96.44	2.684	.51569	1.500	1.544	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10014.5 TO THE FLOW FROM SUB-BASIN 10015.										
ADD HYD	10015.10 11&	2	3	1.43130	479.11	59.735	.78252	2.000	.523	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10015.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10016.										
ROUTE	10015.50	3	11	1.43130	479.80	59.728	.78244	2.000	.524	
*S CALCULATE THE FLOW FROM SUB-BASIN 10016.										
*S BASIN 10016 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10016.00	-	2	.09900	100.14	2.778	.52620	1.500	1.580	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = PL100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10015.5 TO THE FLOW FROM SUB-BASIN 10016.										
ADD HYD	10016.10 11& 2		3	1.53030	488.77	62.507	.76586	2.000	.499	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10016.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10017.										
ROUTE	10016.50	3	11	1.53030	489.89	62.501	.76579	2.000	.500	
*S CALCULATE THE FLOW FROM SUB-BASIN 10017.										
*S BASIN 10017 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10017.00 -		2	.09600	94.35	2.630	.51360	1.500	1.536	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10016.5 TO THE FLOW FROM SUB-BASIN 10017.										
ADD HYD	10017.10 11& 2		3	1.62630	498.41	65.131	.75091	2.000	.479	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10017.1 THRU SUB-BASIN 10018										
ROUTE	10017.50	3	11	1.62630	496.76	65.121	.75079	2.050	.477	
*S CALCULATE THE FLOW FROM SUB-BASIN 10018.										
*S BASIN 10018 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10018.00 -		2	.06600	62.71	1.779	.50526	1.500	1.485	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10017.5 TO THE FLOW FROM SUB-BASIN 10018.										
*S HYD NO. 10018.1 IS ***** AP 14 *****										
ADD HYD	10018.10 11& 2		3	1.69230	501.98	66.899	.74122	2.050	.463	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10018.1 DOWN POWERLINE CHANNEL										
*S TO THE AMOLE ARROYO (AP 02).										
ROUTE	PL100E1B.HYD	3	11	1.69230	501.27	66.890	.74112	2.050	.463	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996

INPUT FILE = RB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HRDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00

*S

*S RIO BRAVO WATERSHED

*S

*S

*S 100-YR, 24-HR STORM WITH SEDIMENT

*S FILE NAME: RB100D1B.DAT

*S BY: RICHARD STOCKTON PEER REVIEW: D. DIXON

*S LAST REVISION: 05-14-96

*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE RIO BRAVO

*S BASIN. FLOWS FROM THIS BASIN IS CONVEYED TO HUBBLE LAKE DETENTION FACILITY

*S VIA THE HUBBLE LAKE/AMOLE DIVERSION CHANNEL.

*S THE RIO BRAVO MODEL WAS DEVELOPED BY AVID (AND ACCEPTED BY THE COUNTY).

*S

*S ANALYSIS ASSUMPTIONS:

*S 1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION AT 3 DU/AC.

*S

*S 2. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL

*S HYDROGRAPH COULD BE USED IN THE AMOLE DEL NORTE EXISTING CONDITIONS MODEL

*S AA100E1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE ARROYO SYSTE

*S

*S 3. A BULKING FACTOR OF 15% HAS BEEN ADDED TO EACH UNDEVELOPED SUB-BASIN AND

*S A BULKING FACTOR OF 6% HAS BEEN ADDED TO EACH DEVELOPED SUB-BASIN LIKELY

*S TO PRODUCE SEDIMENT. A BULKING FACTOR OF 3% HAS BEEN ADDED TO EACH

*S DEVELOPED SUB-BASIN THAT WOULD PROBIBLY PRODUCE SEDIMENT, SUCH AS PARKS

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = RB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HRDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00

```
*S
*S      RIO BRAVO WATERSHED
*S
*S
*S 100-YR, 24-HR STORM WITH SEDIMENT
*S FILE NAME: RB100D1B.DAT
*S BY: RICHARD STOCKTON  PEER REVIEW: D. DIXON
*S LAST REVISION: 05-14-96
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE RIO BRAVO
*S BASIN.  FLOWS FROM THIS BASIN IS CONVEYED TO HUBBLE LAKE DETENTION FACILITY
*S VIA THE HUBBLE LAKE/AMOLE DIVERSION CHANNEL.
*S THE RIO BRAVO MODEL WAS DEVELOPED BY AVID (AND ACCEPTED BY THE COUNTY).
*S
*S ANALYSIS ASSUMPTIONS:
*S 1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION AT 3 DU/AC.
*S
*S 2. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL
*S    HYDROGRAPH COULD BE USED IN THE AMOLE DEL NORTE EXISTING CONDITIONS MODEL
*S    AA100E1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE ARROYO SYSTE
*S
*S 3. A BULKING FACTOR OF 15% HAS BEEN ADDED TO EACH UNDEVELOPED SUB-BASIN AND
*S    A BULKING FACTOR OF 6% HAS BEEN ADDED TO EACH DEVELOPED SUB-BASIN LIKELY
*S    TO PRODUCE SEDIMENT.  A BULKING FACTOR OF 3% HAS BEEN ADDED TO EACH
*S    DEVELOPED SUB-BASIN THAT WOULD PROBIBLY PRODUCE SEDIMENT, SUCH AS PARKS
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AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = RB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HRDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S										
*S										
*S										
*S ROUTE B-1 THROUGH EXISTING ARROYO IN B-3										
ROUTE	201.40	1	2	.02371	7.68	.639	.50533	1.750	.506	
*S										
*S										
*S										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
*S COMPUTE HYDROGRAPH FOR B-3										
COMPUTE NM HYD	202.00	-	3	.20470	162.28	5.516	.50526	1.550	1.239	PER IMP=.00
*S										
*S										
*S										
*S GENERATION OF SEDIMENT NOT LIKELY, NO BULKING FACTOR ADDED.										
*S COMPUTE HYDROGRAPH FOR ROADWAY STA. 150+00 TO STA. 206+00										
*S PAVEMENT WIDTH=76'										
COMPUTE NM HYD	202.20	-	1	.01526	48.26	2.272	2.79133	1.500	4.942	PER IMP=100.00
*S TOTAL RUNOFF FROM ROADWAY AND B-3										
ADD HYD	202.30	1& 3	1	.21996	204.30	7.788	.66386	1.550	1.451	
*S										
*S										
*S										
*S ADD ROADWAY FLOW FROM STA. 124+00 TO STA. 150+00										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = RB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HRDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	202.40	1& 7	1	.22705	223.82	8.843	.73027	1.550	1.540	
*S TOTAL FLOW ENTERING NEW CHANNEL AT STA. 206+00										
ADD HYD	202.50	1& 2	1	.25076	228.91	9.482	.70900	1.550	1.426	
*S										
*S										
*S										
*S ROUTE TOTAL FLOW THROUGH B-5 IN NEW CHANNEL										
ROUTE	202.40	1	3	.25076	196.07	9.482	.70900	1.600	1.222	
*S										
*S										
*S										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
*S COMPUTE HYDROGRAPH FOR B-5										
COMPUTE NM HYD	203.00	-	1	.32850	173.53	8.852	.50526	1.700	.825	PER IMP=.00
*S										
*S										
*S										
*S GENERATION OF SEDIMENT NOT LIKELY, NO BULKING FACTOR ADDED.										
*S COMPUTE HYDROGRAPH FOR ROADWAY STA. 206+00 TO STA. 274+00										
*S PAVEMENT WIDTH=76'										
COMPUTE NM HYD	203.20	-	2	.01854	55.55	2.760	2.79133	1.500	4.681	PER IMP=100.00
*S TOTAL RUNOFF FROM ROADWAY AND B-5										
ADD HYD	203.40	1& 2	1	.34704	205.76	11.612	.62739	1.650	.926	
*S TOTAL DISCHARGE INTO AMOLE/HUBBELL DIVERSION CHANNEL										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996

INPUT FILE = RB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HRDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S HYD NO. RB100E1B.HYD IS ***** AP 43 *****										
ADD HYD	RB100E1B.HYD	1& 3	4	.59780	400.38	21.094	.66162	1.650	1.046	
*S										
*S										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
*S COMPUTE HYDROGRAPH FOR B-2										
COMPUTE NM HYD	204.00	-	2	.07540	71.81	2.032	.50526	1.500	1.488	PER IMP=.00
*S ROUTE ADD BY LH - ROUTE B-2 THROUGH B-4										
ROUTE	202.40	2	3	.07540	49.70	2.032	.50528	1.600	1.030	
*S										
*S										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
*S COMPUTE HYDROGRAPH FOR B-4										
COMPUTE NM HYD	205.00	-	2	.19000	130.23	5.120	.50526	1.600	1.071	PER IMP=.00
*S ADD BASIN B-4 TO ROUTED FLOW										
ADD HYD	205.10	3& 2	3	.26540	179.94	7.152	.50526	1.600	1.059	
*S										
*S										
*S ROUTE ADD BY LH										
*S ROUTE FLOW TO HUBBLE THROUGH B-6										
ROUTE	202.40	3	5	.26540	118.39	7.152	.50527	1.750	.697	
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996

INPUT FILE = RB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HRDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S COMPUTE HYDROGRAPH FOR B-6										
COMPUTE NM HYD	206.00	-	1	.58100	238.38	15.656	.50526	1.750	.641	PER IMP=.00
*S ADD FLOW FROM B-6 TO ROUTED FLOW FROM B-4										
*S HYD NO. RB100E2B.HYD IS ***** AP 44 *****										
ADD HYD	RB100E2B.HYD	1& 5	3	.84640	356.77	22.808	.50526	1.750	.659	
*S										
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = PL100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	10013.10 11&	2	3	1.24760	464.07	54.598	.82055	1.950	.581	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10013.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10014.										
ROUTE	10013.50	3	11	1.24760	464.56	54.592	.82046	1.950	.582	
*S CALCULATE THE FLOW FROM SUB-BASIN 10014.										
*S BASIN 10014 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10014.00	-	2	.08610	88.54	2.470	.53800	1.500	1.607	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10013.5 TO THE FLOW FROM SUB-BASIN 10014.										
ADD HYD	10014.10 11&	2	3	1.33370	473.67	57.063	.80222	1.950	.555	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10014.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10015.										
ROUTE	10014.50	3	11	1.33370	470.42	57.050	.80205	2.000	.551	
*S CALCULATE THE FLOW FROM SUB-BASIN 10015.										
*S BASIN 10015 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10015.00	-	2	.09760	96.44	2.684	.51569	1.500	1.544	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10014.5 TO THE FLOW FROM SUB-BASIN 10015.										
ADD HYD	10015.10 11&	2	3	1.43130	479.11	59.735	.78252	2.000	.523	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10015.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10016.										
ROUTE	10015.50	3	11	1.43130	479.80	59.728	.78244	2.000	.524	
*S CALCULATE THE FLOW FROM SUB-BASIN 10016.										
*S BASIN 10016 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10016.00	-	2	.09900	100.14	2.778	.52620	1.500	1.580	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = PL100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10015.5 TO THE FLOW FROM SUB-BASIN 10016.										
ADD HYD	10016.10 11& 2		3	1.53030	488.77	62.507	.76586	2.000	.499	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10016.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10017.										
ROUTE	10016.50	3	11	1.53030	489.89	62.501	.76579	2.000	.500	
*S CALCULATE THE FLOW FROM SUB-BASIN 10017.										
*S BASIN 10017 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10017.00	-	2	.09600	94.35	2.630	.51360	1.500	1.536	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10016.5 TO THE FLOW FROM SUB-BASIN 10017.										
ADD HYD	10017.10 11& 2		3	1.62630	498.41	65.131	.75091	2.000	.479	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10017.1 THRU SUB-BASIN 10018										
ROUTE	10017.50	3	11	1.62630	496.76	65.121	.75079	2.050	.477	
*S CALCULATE THE FLOW FROM SUB-BASIN 10018.										
*S BASIN 10018 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	10018.00	-	2	.06600	62.71	1.779	.50526	1.500	1.485	PER IMP=.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10017.5 TO THE FLOW FROM SUB-BASIN 10018.										
*S HYD NO. 10018.1 IS ***** AP 14 *****										
ADD HYD	10018.10 11& 2		3	1.69230	501.98	66.899	.74122	2.050	.463	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10018.1 DOWN POWERLINE CHANNEL										
*S TO THE AMOLE ARROYO (AP 02).										
ROUTE	PL100E1B.HYD	3	11	1.69230	501.27	66.890	.74112	2.050	.463	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISDHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00

```
*S
*S      SACATE BLANCO WATERSHED
*S
*S
*S 100-YR, 24-HR STORM WITH SEDIMENT
*S FILE NAME: SB100E1B.DAT
*S BY: RICHARD STOCKTON   PEER REVIEWED BY: TOM BLAINE / D DIXON
*S LAST REVISION: 05-14-96
*S**************************************************************************
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE SACATE BLANCO
*S WATERSHED.  FLOWS FROM THIS BASIN IS CONVEYED TO THE AMOLE DETENTION FACILITY
*S VIA THE AMOLE ARROYO.  BASIN BOUNDARIES WERE DETERMINED FROM NOVEMBER 1995
*S AREIAL, TOPOGRAPHICAL MAPS AND PREVIOUS STUDIES.
*S
*S NOTE: AN "E" (EXISTING) HAS BEEN PLACED IN FRONT OF EACH SUB-BASIN HYDROGRAPH
*S       DESIGNATION DUE TO THE LIMITATIONS OF AHYMO
*S
*S**************************************************************************
*S ANALYSIS ASSUMPTIONS:
*S**************************************************************************
*S 1. ALL LAND IN THIS BASIN IS MODELED AS EXISTING CONDITION.
*S
*S 2. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL
*S    HYDROGRAPH COULD BE USED IN THE AMOLE ARROYO EXISTING CONDITIONS MODEL
*S    AA100E1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE/HUBBLE
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AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISDHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S	LAKE DETENTION SYSTEM.									
*S										
*S	3. A BULKING FACTOR OF 15% HAS BEEN ADDED TO EACH UNDEVELOPED SUB-BASIN AND									
*S	A BULKING FACTOR OF 6% HAS BEEN ADDED TO EACH DEVELOPED SUB-BASIN LIKELY									
*S	TO PRODUCE SEDIMENT. A BULKING FACTOR OF 3% HAS BEEN ADDED TO EACH									
*S	DEVELOPED SUB-BASIN THAT WOULD PROBIBLY PRODUCE SEDIMENT, SUCH AS PARKS									
*S	AND SCHOOL PLAY GROUNDS. AND, NO BULKING FACTOR FOR WELL DEFINED RESIDEN									
*S	DEVELOPMENTS.									
*S										
*S100 YEAR 24HR STORM EXISTING CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
*S CALCULATE THE FLOW FROM SUB-BASIN 60101.										
*S BASIN 60101 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60101	-	2	.04820	33.63	1.299	.50526	1.550	1.090	PER IMP=.00
*S ROUTE FLOW FROM SUB-BASIN 60101 THROUGH SUB-BASIN 60102.										
ROUTE	E60101.5	2	11	.04820	33.69	1.299	.50529	1.600	1.092	
*S CALCULATE THE FLOW FROM SUB-BASIN 60102.										
*S BASIN 60102 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60102	-	2	.10190	62.75	2.746	.50526	1.600	.962	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60101.5 TO THE FLOW FROM SUB-BASIN 60102.										
ADD HYD	E60102.1	11& 2	3	.15010	96.44	4.045	.50527	1.600	1.004	
*S ROUTE COMBINED FLOW FROM SUB-BASIN 60102.1 THROUGH SUB-BASIN 60103.										
ROUTE	E60102.5	3	11	.15010	95.05	4.045	.50528	1.650	.989	
*S CALCULATE THE FLOW FROM SUB-BASIN 60103.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISDHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S BASIN 60103 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF = 1.15
COMPUTE NM HYD	E60103	-	2	.03920	26.10	1.056	.50526	1.600	1.040	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60102.5 TO THE FLOW FROM SUB-BASIN 60103.										
ADD HYD	E60103.1	11& 2	9	.18930	119.13	5.101	.50527	1.650	.983	
*S										
*S CALCULATE THE FLOW FROM SUB-BASIN 60104.										
*S BASIN 60104 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60104	-	2	.15600	210.25	5.683	.68305	1.500	2.106	PER IMP=.00
*S ROUTE FLOW FROM SUB-BASIN 60104 THROUGH SUB-BASIN 60105.										
ROUTE	E60104.5	2	11	.15600	146.91	5.683	.68305	1.600	1.471	
*S CALCULATE THE FLOW FROM SUB-BASIN 60105.										
*S BASIN 60105 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60105	-	2	.10400	76.90	2.803	.50526	1.550	1.155	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60104.5 TO THE FLOW FROM SUB-BASIN 60105.										
ADD HYD	E60105.1	11& 2	3	.26000	222.06	8.485	.61193	1.600	1.335	
*S CALCULATE THE FLOW FROM SUB-BASIN 60106.										
*S BASIN 60106 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60106	-	2	.07950	77.03	2.231	.52620	1.500	1.514	PER IMP=.00
*S ROUTE FLOW FROM SUB-BASIN 60106 THROUGH SUB-BASIN 60105.										
ROUTE	E60106.5	2	11	.07950	42.66	2.231	.52622	1.650	.838	
*S CALCULATE THE FLOW FROM SUB-BASIN 60107A.										
*S BASIN 60107 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISDHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60107A	-	2	.04300	40.78	1.159	.50526	1.500	1.482	PER IMP=.00
*S ROUTE FLOW FROM SUB-BASIN 60107A THROUGH SUB-BASIN 60107B.										
ROUTE	E60107A.5	2	12	.04300	17.52	1.159	.50530	1.650	.637	
*S CALCULATE THE FLOW FROM SUB-BASIN 60107B.										
*S BASIN 60107B IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60107B	-	6	.04300	40.78	1.159	.50526	1.500	1.482	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60107A.5 TO THE FLOW FROM SUB-BASIN 60107B										
ADD HYD	E60107B.1	12& 6	7	.08600	51.47	2.318	.50527	1.550	.935	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60106.5 TO THE FLOW FROM SUB-BASIN 60105.										
ADD HYD	E60105.1	11& 2	4	.12250	72.00	3.390	.51886	1.600	.918	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 60107B.1 TO THE COMBINED FLOW										
*S FROM SUB-BASIN 60105.1.										
ADD HYD	E60107B.2	7& 4	5	.20850	120.22	5.707	.51325	1.600	.901	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60107B.2 THROUGH SUB-BASIN 60112.										
ROUTE	E60107.5	5	15	.20850	96.84	5.707	.51326	1.700	.726	
*S CALCULATE THE FLOW FROM SUB-BASIN 60108.										
*S BASIN 60108 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60108	-	2	.09240	112.42	3.094	.62789	1.500	1.901	PER IMP=.00
*S ROUTE FLOW FROM SUB-BASIN 60108 THROUGH SUB-BASIN 60109.										
ROUTE	E60108.5	2	11	.09240	88.88	3.094	.62791	1.600	1.503	
*S CALCULATE THE FLOW FROM SUB-BASIN 60109.										
*S BASIN 60109 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISDHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	E60109	-	2	.10230	102.29	2.922	.53563	1.500	1.562	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60108.5 TO THE FLOW FROM SUB-BASIN 60109.										
ADD HYD	E60109.1	11& 2	19	.19470	180.15	6.017	.57942	1.550	1.446	
*S CALCULATE THE FLOW FROM SUB-BASIN 60110.										
*S BASIN 60110 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60110	-	2	.10460	121.83	3.351	.60062	1.500	1.820	PER IMP=.00
*S ROUTE FLOW FROM SUB-BASIN 60110 THROUGH SUB-BASIN 60111.										
ROUTE	E60110.5	2	11	.10460	103.61	3.351	.60064	1.600	1.548	
*S CALCULATE THE FLOW FROM SUB-BASIN 60111.										
*S BASIN 60111 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60111	-	2	.05580	52.92	1.504	.50526	1.500	1.482	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60110.5 TO THE FLOW FROM SUB-BASIN 60111.										
ADD HYD	E60111.1	11& 2	3	.16040	149.54	4.854	.56745	1.550	1.457	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60111.1 THROUGH SUB-BASIN 60109.										
ROUTE	E60111.5	3	11	.16040	150.56	4.854	.56746	1.600	1.467	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60111.5 TO THE COMBINED FLOW										
*S FROM SUB-BASIN 60109.1.										
ADD HYD	E60111.2	19&11	3	.35510	328.01	10.871	.57402	1.550	1.443	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60111.2 THROUGH SUB-BASIN 60112.										
ROUTE	E60111.6	3	11	.35510	291.64	10.871	.57402	1.650	1.283	
*S CALCULATE THE FLOW FROM SUB-BASIN 60112.										
*S BASIN 60112 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF = 1.15
COMPUTE NM HYD	E60112	-	2	.09470	67.64	2.552	.50526	1.550	1.116	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISDHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60111.6 TO THE FLOW FROM SUB-BASIN 60112.										
ADD HYD	E60112.1	11& 2	3	.44980	351.50	13.423	.55954	1.650	1.221	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 60112.1 TO THE ROUTED FLOW										
*S FROM SUB-BASIN 60107B.5.										
ADD HYD	E60112.2	15& 3	4	.65830	446.61	19.130	.54488	1.650	1.060	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60112.2 THROUGH SUB-BASIN 60118										
*S TO THE HEAD OF THE SACATE BLANCO DIVERSION CHANNEL.										
ROUTE	E60112.5	4	19	.65830	466.00	19.130	.54488	1.750	1.106	
*S CALCULATE THE FLOW FROM SUB-BASIN 60113.										
*S BASIN 60113 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										
COMPUTE NM HYD	E60113	-	2	.05800	56.05	1.589	.51360	1.500	1.510	PK BF = 1.15 PER IMP=.00
*S CALCULATE THE FLOW FROM SUB-BASIN 60114.										
*S BASIN 60114 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										
COMPUTE NM HYD	E60114	-	3	.21620	249.42	6.534	.56663	1.500	1.803	PK BF =1.15 PER IMP=.00
*S ADD THE FLOW FROM SUB-BASIN 60113 TO THE FLOW FROM SUB-BASIN 60114.										
ADD HYD	E60114.1	2& 3	4	.27420	305.47	8.122	.55541	1.500	1.741	
*S CALCULATE THE FLOW FROM SUB-BASIN 60115.										
*S BASIN 60115 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										
COMPUTE NM HYD	E60115	-	2	.07640	77.85	2.183	.53563	1.500	1.592	PK BF =1.15 PER IMP=.00
*S ADD THE COMBINED FLOW FROM SUB-BASIN 60114.1 TO THE FLOW FROM SUB-BASIN 60115										
ADD HYD	E60115.1	2& 4	3	.35060	383.32	10.305	.55110	1.500	1.708	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60115.1 THROUGH SUB-BASIN 60116										
ROUTE	E60115.5	3	11	.35060	381.50	10.305	.55111	1.550	1.700	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISDHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S CALCULATE THE FLOW FROM SUB-BASIN 60116.										
*S BASIN 60116 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60116	-	2	.13810	136.25	3.721	.50526	1.500	1.542	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60115.5 TO THE FLOW FROM SUB-BASIN 60116.										
ADD HYD	E60116.1	11& 2	3	.48870	513.17	14.026	.53815	1.550	1.641	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60116.1 THROUGH SUB-BASIN 60117,										
*S TO THE HEAD OF THE SACATE BLANCO DIVERSION CHANNEL.										
ROUTE	E60116.5	3	11	.48870	419.23	14.027	.53816	1.600	1.340	
*S CALCULATE THE FLOW FROM SUB-BASIN 60117.										
*S BASIN 60117 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E60117	-	2	.10650	73.19	2.870	.50526	1.600	1.074	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60116.5 TO THE FLOW FROM SUB-BASIN 60117										
*S HYD NO. E60117.1 IS ***** AP 61 *****										
ADD HYD	E60117.1	11& 2	3	.59520	492.42	16.896	.53227	1.600	1.293	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 60117.1 TO THE ROUTED FLOW										
*S FROM SUB-BASIN 60112.5.										
ADD HYD	E60117.2	19& 3	4	1.25350	834.13	36.027	.53889	1.650	1.040	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60117.2 THROUGH SUB-BASIN 60118,										
*S IN THE SACATE BLANCO DIVERSION CHANNEL.										
ROUTE	E60117.5	4	11	1.25350	765.46	36.027	.53889	1.750	.954	
*S CALCULATE THE FLOW FROM SUB-BASIN 60118.										
*S BASIN 60118 IS CURRENTLY UNDEVELOPED, BULK FLOWS 15%										
SEDIMENT BULK										PK BF = 1.15
COMPUTE NM HYD	E60118	-	2	.08550	43.35	2.304	.50526	1.650	.792	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SB100E1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISDHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60117.5 TO THE FLOW FROM SUB-BASIN 60118.										
ADD HYD	E60118.1	11& 2	3	1.33900	804.69	38.331	.53674	1.750	.939	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 60118.1 TO THE COMBINED FLOW										
*S FROM SUB-BASIN 60103.1										
*S HYD NO. SB100E1B.HYD IS ***** AP 62 *****										
ADD HYD	SB100E1B.HYD	9& 3	99	1.52830	901.01	43.432	.53285	1.750	.921	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SV100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME=.00
*S										
*S SNOW VISTA WATERSHED										
*S										
*S										
*S 100-YR, 24-HR STORM WITH SEDIMENT. SNOW VISTA WATERSHED										
*S FILE NAME : SV100E1B.DAT										
*S BY: RICHARD STOCKTON AND TOM BLAINE PEER REVIEWED BY: CLINT DODGE										
*S LAST REVISION: 05-15-96										
*S 100 YEAR 24 HR STORM, EXISTING CONDITIONS										
RAINFALL TYPE= 2										RAIN24=2.660
*S COMPUTE HYD FOR BASIN 20101, FLOW INTO SNOW VISTA POND,										
*S THAT WAS NOT MODELED BY EASTERLING.										
SEDIMENT BULK										PK BF =1.16
COMPUTE NM HYD	E20101	-	50	.29230	212.20	12.978	.83249	1.700	1.134	PER IMP=14.00
*S BEGIN EASTERLING OFFSITE WATERSHED										
COMPUTE NM HYD	E20102	-	2	.04510	56.15	1.749	.72724	1.500	1.945	PER IMP=6.00
SED WASH LOAD	E20102	2						WASH CONC.(PPM-w)		=41687
ROUTE	E20102.1	2	10	.04510	47.65	1.749	.72725	1.600	1.651	
COMPUTE NM HYD	E20103	-	3	.04940	50.00	1.448	.54959	1.500	1.581	PER IMP=1.00
*S COMPUTE SEDIMENT WASH LOAD FOR BASIN 20103										
SED WASH LOAD	E20103	3						WASH CONC.(PPM-w)		=50848
ADD HYD	E20103.1	3&10	11	.09450	94.70	3.197	.63437	1.550	1.566	
ROUTE	E20103.2	11	10	.09450	84.91	3.197	.63438	1.600	1.404	
SEDIMENT TRANSP	E20103.1	11	SED ID = 1		PEAK CONC.(PPM-w) =	413317	TOTAL SED.(TONS)			=1994.42
ROUTE RESERVOIR	E20103.3	10	5	.09450	2.64	3.197	.63437	2.850	.044	AC-FT=2.698

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = SV100E1B.DAT

RUN DATE (MON/DAY/YR) =05/15/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	E20103.4	5	10	.09450	2.64	3.197	.63438	2.950	.044	
SEDIMENT BULK										PK BF =1.16
COMPUTE NM HYD	E20104	-	2	.03460	25.46	.964	.52229	1.550	1.150	PER IMP=.00
ADD HYD	E20104.1	2&10	1	.12910	26.70	4.161	.60433	1.550	.323	
ADD HYD	SVPOND.1	1&50	10	.42140	232.82	17.139	.76259	1.700	.863	
ROUTE RESERVOIR	POND.OUT	10	50	.42140	167.32	17.066	.75933	1.900	.620	AC-FT=3.986
*S HYD NO. POND.OUT	IS ***** AP 21 ******									
*S BEGIN EASTERLING	ONSITE WATERSHED									
COMPUTE NM HYD	E20201	-	2	.00920	23.97	1.010	2.05917	1.500	4.071	PER IMP=61.00
ADD HYD	E20201.1	50& 2	10	.43060	174.20	18.076	.78710	1.850	.632	
ROUTE	E20201.2	10	11	.43060	174.30	18.076	.78708	1.900	.632	
COMPUTE NM HYD	E20202	-	2	.00800	20.84	.879	2.05917	1.500	4.071	PER IMP=61.00
ADD HYD	E20202.1	11& 2	10	.43860	179.64	18.954	.81028	1.900	.640	
ROUTE	E20202.2	10	11	.43860	180.06	18.954	.81027	1.850	.641	
COMPUTE NM HYD	E20203	-	2	.00940	24.49	1.032	2.05917	1.500	4.071	PER IMP=61.00
ADD HYD	E20203.1	11& 2	10	.44800	187.10	19.986	.83647	1.850	.653	
ROUTE	E20203.2	10	11	.44800	187.34	19.986	.83646	1.850	.653	
COMPUTE NM HYD	E20204	-	2	.01450	37.77	1.592	2.05917	1.500	4.070	PER IMP=61.00
ADD HYD	E20204.1	11& 2	10	.46250	198.21	21.578	.87479	1.850	.670	
COMPUTE NM HYD	E20205	-	2	.00220	5.85	.233	1.98378	1.500	4.155	PER IMP=50.00
ADD HYD	E20205.1	10& 2	11	.46470	199.89	21.811	.88004	1.850	.672	
COMPUTE NM HYD	E20206	-	2	.01570	39.45	1.673	1.99855	1.500	3.926	PER IMP=60.00
ROUTE	E20206.1	2	15	.01570	37.59	1.673	1.99858	1.550	3.741	
COMPUTE NM HYD	E20207	-	2	.01020	23.91	.976	1.79429	1.500	3.662	PER IMP=50.00
ADD HYD	E20207.1	15& 2	16	.02590	61.31	2.650	1.91809	1.500	3.699	
DIVIDE HYD	E20207.2	16	15	.01972	30.75	2.017	1.91809	1.500	2.437	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SV100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
	E20207.3	AND	3	.00618	30.56	.632	1.91809	1.500	7.727	
ROUTE	E20207.4	3	16	.00618	28.19	.632	1.91817	1.550	7.128	
COMPUTE NM HYD	E20208	-	2	.00220	6.29	.282	2.40707	1.500	4.467	PER IMP=80.00
ADD HYD	E20208.1	16& 2	17	.00838	33.72	.915	2.04640	1.550	6.287	
*S HYD=E20208.2 IS THE FLOW IN SNOW VISTA CHANNEL AT TOWER ROAD										
ADD HYD	E20208.2	17&11	10	.47308	203.91	22.725	.90070	1.850	.673	
ROUTE	E20208.3	10	30	.47308	202.70	22.724	.90065	1.850	.669	
ROUTE	E20207.5	15	17	.01972	30.66	2.017	1.91813	1.550	2.429	
COMPUTE NM HYD	E20301	-	2	.01550	36.32	1.483	1.79429	1.500	3.661	PER IMP=50.00
ADD HYD	E20301.1	17& 2	15	.03522	64.23	3.501	1.86360	1.500	2.849	
ROUTE	E20207.6	15	16	.03522	64.46	3.501	1.86362	1.550	2.860	
ROUTE	E20301.2	16	12	.03522	64.84	3.501	1.86362	1.550	2.877	
ROUTE	E20301.3	12	15	.03522	64.93	3.501	1.86362	1.550	2.881	
COMPUTE NM HYD	E20302	-	2	.04830	113.15	4.622	1.79429	1.500	3.660	PER IMP=50.00
ADD HYD	E20302.1	15& 2	16	.08352	174.32	8.123	1.82351	1.500	3.261	
ROUTE	E20302.2	16	15	.08352	173.92	8.123	1.82352	1.500	3.254	
ROUTE	E20302.3	15	16	.08352	171.52	8.123	1.82352	1.550	3.209	
COMPUTE NM HYD	E20303	-	2	.02080	48.74	1.990	1.79429	1.500	3.661	PER IMP=50.00
ADD HYD	E20303.1	16& 2	20	.10432	219.05	10.113	1.81768	1.500	3.281	
*S BEGIN RYALS OFFSITE FLOW										
SEDIMENT BULK										PK BF =1.16
COMPUTE NM HYD	E20304	-	1	.03141	30.80	.875	.52229	1.500	1.532	PER IMP=.00
ROUTE	E20304.5	1	3	.03141	21.56	.875	.52234	1.600	1.072	
SEDIMENT BULK										PK BF =1.16
COMPUTE NM HYD	E20305	-	4	.00170	2.33	.070	.77297	1.500	2.142	PER IMP=.00
SEDIMENT BULK										PK BF =1.16

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SV100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	E20306	-	2	.01500	14.71	.418	.52229	1.500	1.533	PER IMP=.00
ADD HYD	E20306.1	2& 3	1	.04641	33.34	1.293	.52231	1.600	1.122	
ADD HYD	E20306.2	1& 4	3	.04811	35.33	1.363	.53116	1.600	1.147	
*S USE L FROM MID POINT OF BASIN TO MIDPOINT OF NEXT										
ROUTE	E20306.5	3	2	.04811	28.96	1.363	.53118	1.650	.940	
SEDIMENT BULK										PK BF =1.16
COMPUTE NM HYD	E20307	-	3	.02938	28.81	.818	.52229	1.500	1.532	PER IMP=.00
ADD HYD	E20307.1	2& 3	1	.07749	50.93	2.181	.52780	1.600	1.027	
*S HYD 20307.5 = INTO TANAGER POND *LOCATION* FROM NORTH										
ROUTE	E20307.5	1	4	.07749	48.75	2.181	.52781	1.600	.983	
SEDIMENT BULK										PK BF =1.16
COMPUTE NM HYD	E20308	-	3	.06688	65.73	1.863	.52229	1.500	1.536	PER IMP=.00
*S HYD 20309=COA SATELLITE: ASSUME 10 CFS CLEAN & NON-ERSOIVE; REAL 1993 0.5+-										
STORE HYD	E20309	-	2	.07516	.51	.112	.02786	.400	.011	
*S HYD 20309.1 = INTO TANAGER POND LOCATION FROM WEST (20308+20309 (COA SATELLIT										
ADD HYD	E20309.1	2& 3	1	.14204	66.24	1.975	.26067	1.500	.729	
ADD HYD	E20309.2	1& 4	5	.21953	109.35	4.156	.35496	1.550	.778	
SEDIMENT BULK										PK BF =1.16
COMPUTE NM HYD	E20310	-	1	.07109	70.02	1.980	.52229	1.500	1.539	PER IMP=.00
ROUTE	E20310.5	1	2	.07109	70.82	1.980	.52231	1.500	1.557	
*S HYD 20310.1 = AP 2 IN = TANAGER POND IN										
ADD HYD	E20310.1	2& 5	3	.29062	179.49	6.136	.39589	1.550	.965	
*S HYD 20310.8 = AP2 OUT = TANAGER POND OUT (CURVE FROM RYALS)										
ROUTE RESERVOIR	E20310.8	3	4	.29062	22.88	6.136	.39589	2.100	.123	AC-FT=3.882
ROUTE	E20310.6	4	2	.29062	22.83	6.136	.39590	2.300	.123	
SEDIMENT BULK										PK BF =1.16

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SV100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	E20311	-	3	.01031	10.12	.287	.52229	1.500	1.533	PER IMP=.00
ADD HYD	E20311.1	2& 3	1	.30093	23.90	6.423	.40022	1.600	.124	
*S BEGIN EASTERLING'S MODEL OF RYALS ONSITE FLOWS										
ROUTE	E20207.3	1	12	.30093	23.94	6.423	.40023	1.650	.124	
ROUTE	E20207.4	12	11	.30093	24.04	6.423	.40023	1.650	.125	
ADD HYD	E20303.2	20&11	17	.40525	235.07	16.536	.76511	1.550	.906	
ROUTE	E20303.3	17	16	.40525	235.94	16.537	.76511	1.550	.910	
COMPUTE NM HYD	E20312	-	2	.00670	13.92	.489	1.36764	1.500	3.246	PER IMP=25.00
*S THIS IS THE TOTAL FLOW INTO THE EXISTING RUNDOWN CHANNEL FROM ORGINAL										
*S 1980'S GORDON HERKENHOFF DESIGN.										
ADD HYD	E20313.4	16& 2	3	.41195	248.60	17.025	.77491	1.550	.943	
COMPUTE NM HYD	E20313	-	2	.01830	42.88	1.751	1.79429	1.500	3.661	PER IMP=50.00
ROUTE RESERVOIR	E20313.1	2	5	.01830	7.26	1.751	1.79427	2.050	.620	AC-FT=.912
ADD HYD	E20208.3	5&30	10	.49138	209.55	24.475	.93393	1.850	.666	
ROUTE	E20303.4	10	12	.49138	210.03	24.475	.93392	1.900	.668	
*S HYD NO. E20303.1 IS ***** AP 22 *****										
ADD HYD	E20303.1	12& 3	20	.90333	407.21	41.500	.86140	1.550	.704	
ROUTE	E20303.5	20	11	.90333	410.12	41.500	.86139	1.550	.709	
*S COMPUTE HYD FOR BASIN 20401										
SEDIMENT BULK										PK BF =1.16
COMPUTE NM HYD	E20401	-	1	.12700	148.03	3.452	.50966	1.500	1.821	PER IMP=.00
*S COMPUTE HYD FOR BASIN 20402										
SEDIMENT BULK										PK BF =1.06
COMPUTE NM HYD	E20402	-	2	.07970	129.46	4.406	1.03660	1.500	2.538	PER IMP=25.00
ADD HYD	E20402.1	1& 2	3	.20670	277.49	7.858	.71283	1.500	2.098	
*S HYD NO. E20402.2 IS ***** AP 22.1 *****										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = SV100E1B.DAT

RUN DATE (MON/DAY/YR) =05/15/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	E20402.2	3&11	1	1.11003	642.08	49.358	.83373	1.550	.904	
ROUTE	E20402.5	1	2	1.11003	658.11	49.357	.83371	1.550	.926	
*S COMPUTE HYD FOR BASIN 20403										
COMPUTE NM HYD	E20403	-	4	.07660	191.56	7.687	1.88165	1.500	3.908	PER IMP=61.00
*S HYD NO. E20403.1 IS ***** AP 22.2 *****										
ADD HYD	E20403.1	4& 2	1	1.18663	811.88	57.044	.90135	1.500	1.069	
ROUTE	E20403.5	1	11	1.18663	822.09	57.043	.90135	1.550	1.082	
*S COMPUTE HYD FOR BASIN 20404										
SEDIMENT BULK										PK BF =1.08
COMPUTE NM HYD	E20404	-	7	.10300	183.66	6.852	1.24740	1.500	2.786	PER IMP=36.00
*S COMPUTE HYD FOR BASIN 20405										
COMPUTE NM HYD	E20405	-	3	.34380	875.03	35.153	1.91716	1.500	3.977	PER IMP=61.00
ADD HYD	E20405.1	7& 3	2	.44680	1058.68	42.005	1.76276	1.500	3.702	
*S HYD NO. E20405.2 IS ***** AP 23 *****										
ADD HYD	E20405.2	2&11	4	1.63343	1864.25	99.049	1.13697	1.500	1.783	
ROUTE	E20405.5	4	2	1.63343	1849.63	99.048	1.13697	1.500	1.769	
ROUTE	E20405.6	2	3	1.63343	1817.23	99.047	1.13695	1.500	1.738	
ROUTE	E20405.7	3	4	1.63343	1801.11	99.046	1.13694	1.500	1.723	
*S COMPUTE HYD FOR BASIN 20501										
COMPUTE NM HYD	E20501	-	2	.03910	63.72	2.158	1.03465	1.500	2.546	PER IMP=24.00
ADD HYD	E20501.1	2& 4	3	1.67253	1864.83	101.204	1.13455	1.500	1.742	
ROUTE	E20501.5	3	4	1.67253	1837.67	101.200	1.13451	1.550	1.717	
*S COMPUTE HYD FOR BASIN 20502										
COMPUTE NM HYD	E20502	-	1	.07810	104.93	3.133	.75209	1.500	2.099	PER IMP=12.00
ADD HYD	E20502.1	4& 1	3	1.75063	1925.25	104.333	1.11745	1.550	1.718	
ROUTE	E20502.5	3	4	1.75063	1770.60	104.327	1.11739	1.600	1.580	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = SV100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S COMPUTE HYD FOR BASIN 20503										
COMPUTE NM HYD	E20503	-	1	.05156	56.47	1.359	.49417	1.500	1.711	PER IMP=.00
*S HYD NO. E20503.1 IS ***** AP 24 *****										
ADD HYD	E20503.1	4& 1	2	1.80219	1814.40	105.686	1.09956	1.550	1.573	
ROUTE	SV100E1B.HYD	2	3	1.80219	1828.07	105.681	1.09951	1.600	1.585	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME=.00
RAINFALL TYPE= 2										RAIN24=2.660
COMPUTE NM HYD	418.00	-	1	1.49581	514.45	35.310	.44261	1.800	.537	PER IMP=.00
COMPUTE NM HYD	417.00	-	2	.13909	37.37	3.259	.43936	1.850	.420	PER IMP=.00
ADD HYD	417.10	1& 2	3	1.63490	551.45	38.570	.44234	1.800	.527	
ROUTE RESERVOIR	417.01	3	4	1.63490	88.54	10.979	.12592	2.700	.085	AC-FT=30.209
ROUTE	417.20	4	5	1.63490	50.19	10.979	.12591	3.250	.048	
COMPUTE NM HYD	419.00	-	1	.19715	77.78	4.631	.44044	1.700	.616	PER IMP=.00
COMPUTE NM HYD	420.00	-	2	.18889	72.03	4.792	.47567	1.750	.596	PER IMP=.00
ADD HYD	419.10	1& 2	3	.38604	148.58	9.423	.45768	1.750	.601	
ADD HYD	420.10	3& 5	4	2.02094	148.58	20.402	.18928	1.750	.115	
ROUTE	420.20	4	5	2.02094	44.57	20.401	.18927	4.000	.034	
COMPUTE NM HYD	416.00	-	1	.86541	239.51	20.279	.43936	1.900	.432	PER IMP=.00
ROUTE	416.10	1	2	.86541	104.35	20.261	.43897	2.350	.188	
ADD HYD	416.20	2& 5	3	2.88635	139.91	40.662	.26414	2.350	.076	
COMPUTE NM HYD	415.00	-	1	.15228	89.77	3.568	.43936	1.600	.921	PER IMP=.00
ROUTE RESERVOIR	415.01	1	2	.15228	.01	.012	.00153	7.400	.000	AC-FT=3.566
COMPUTE NM HYD	414.00	-	1	.11235	38.43	2.633	.43936	1.750	.535	PER IMP=.00
ADD HYD	414.10	2& 1	4	.26463	38.44	2.645	.18741	1.750	.227	
ROUTE RESERVOIR	414.01	4	2	.26463	.01	.013	.00089	11.500	.000	AC-FT=2.633
ROUTE	414.30	2	1	.26463	.01	.013	.00089	11.500	.000	
COMPUTE NM HYD	411.00	-	2	.29891	132.09	7.004	.43936	1.700	.690	PER IMP=.00
ADD HYD	411.10	1& 2	4	.56354	132.09	7.017	.23346	1.700	.366	
ROUTE	411.20	4	1	.56354	119.28	7.017	.23346	1.800	.331	
COMPUTE NM HYD	412.00	-	2	1.18559	314.73	27.781	.43936	1.900	.415	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	412.10	1& 2	4	1.74913	424.11	34.797	.37301	1.850	.379	
ADD HYD	412.20	4& 3	1	4.63548	505.19	75.459	.30522	1.900	.170	
ROUTE	412.30	1	5	4.63548	234.68	75.339	.30474	2.550	.079	
COMPUTE NM HYD	424.00	-	1	.33534	142.93	7.877	.44044	1.700	.666	PER IMP=.00
ROUTE RESERVOIR	424.01	1	2	.33534	28.19	6.879	.38463	2.350	.131	AC-FT=5.273
COMPUTE NM HYD	421.00	-	1	.33184	130.75	7.776	.43936	1.750	.616	PER IMP=.00
ADD HYD	421.10	1& 2	3	.66718	138.25	14.655	.41185	1.750	.324	
ROUTE	421.20	3	1	.66718	108.64	14.655	.41184	1.900	.254	
COMPUTE NM HYD	422.00	-	2	.14367	51.75	3.367	.43936	1.750	.563	PER IMP=.00
ADD HYD	422.10	1& 2	3	.81085	153.24	18.021	.41672	1.850	.295	
ROUTE	422.20	3	1	.81085	94.94	18.021	.41671	2.150	.183	
COMPUTE NM HYD	423.00	-	2	.05985	13.10	1.402	.43936	1.950	.342	PER IMP=.00
ADD HYD	423.10	1& 2	3	.87070	106.93	19.423	.41827	2.100	.192	
ROUTE	423.20	3	1	.87070	50.47	19.359	.41689	3.150	.091	
COMPUTE NM HYD	413.00	-	2	1.00011	289.34	23.435	.43936	1.850	.452	PER IMP=.00
ADD HYD	413.10	1& 2	3	1.87081	297.11	42.794	.42890	1.900	.248	
ROUTE	413.20	3	1	1.87081	214.77	42.782	.42878	2.150	.179	
COMPUTE NM HYD	410.00	-	2	1.38956	432.13	32.561	.43936	1.850	.486	PER IMP=.00
ADD HYD	410.10	1& 2	3	3.26037	583.50	75.343	.43329	1.950	.280	
ADD HYD	410.20	3& 5	4	7.89585	716.93	150.682	.35782	2.000	.142	
ROUTE RESERVOIR	410.01	4	1	7.89585	705.93	141.622	.33630	2.100	.140	AC-FT=15.595
ROUTE	410.30	1	2	7.89585	485.19	141.582	.33621	2.650	.096	
COMPUTE NM HYD	409.00	-	1	.46618	195.85	10.951	.44044	1.700	.656	PER IMP=.00
ROUTE	409.10	1	3	.46618	44.65	10.877	.43749	2.150	.150	
COMPUTE NM HYD	408.00	-	1	1.38633	413.22	32.539	.44008	1.850	.466	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	408.10	1& 3	4	1.85251	447.21	43.416	.43943	1.850	.377	
ADD HYD	408.20	4& 2	5	9.74836	665.25	184.998	.35583	2.350	.107	
ROUTE	408.30	5	1	9.74836	624.67	184.983	.35580	2.650	.100	
COMPUTE NM HYD	403.00	-	2	.48341	171.56	11.365	.44080	1.750	.555	PER IMP=.00
ADD HYD	403.10	1& 2	3	10.23177	652.58	196.348	.35981	2.550	.100	
ROUTE	403.20	3	5	10.23177	650.97	196.330	.35978	2.600	.099	
COMPUTE NM HYD	406.00	-	1	.05788	22.35	1.466	.47490	1.700	.603	PER IMP=.50
DIVIDE HYD	406.10	1	2	.05788	22.35	1.466	.47489	1.700	.603	
	406.20	AND	3	.00000	.00	.000	.00000	-.050	.000	
ROUTE	406.30	3	1	.00000	.00	.000	.00000	-.050	.000	
COMPUTE NM HYD	407.00	-	2	.06012	32.67	1.409	.43936	1.600	.849	PER IMP=.00
ROUTE RESERVOIR	407.01	2	3	.06012	2.83	.267	.08342	2.400	.073	AC-FT=1.182
ROUTE	407.10	3	2	.06012	.69	.266	.08308	3.650	.018	
COMPUTE NM HYD	404.00	-	3	.22811	77.59	5.548	.45599	1.800	.531	PER IMP=.60
ADD HYD	404.10	1& 2	4	.06012	.69	.266	.08308	3.650	.018	
ADD HYD	404.20	3& 4	7	.28823	77.59	5.814	.37821	1.800	.421	
DIVIDE HYD	404.10	7	2	.24280	46.00	4.898	.37821	1.600	.296	
	404.20	AND	3	.04543	31.59	.916	.37821	1.800	1.086	
DIVIDE HYD	404.20	2	1	.12140	23.00	2.449	.37821	1.600	.296	
	404.30	AND	4	.12140	23.00	2.449	.37821	1.600	.296	
ROUTE	404.40	1	2	.12140	23.17	2.449	.37821	1.600	.298	
ROUTE	404.40	4	1	.12140	23.17	2.449	.37821	1.600	.298	
ADD HYD	404.50	1& 2	7	.24280	46.33	4.898	.37821	1.600	.298	
ROUTE	404.60	3	1	.04543	18.17	.917	.37838	1.950	.625	
COMPUTE NM HYD	405.00	-	2	.28007	105.94	6.563	.43936	1.750	.591	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	405.10	2	3	.28007	41.66	6.561	.43927	2.100	.232	
ADD HYD	405.20	3& 1	3	.32550	57.88	7.478	.43077	2.000	.278	
COMPUTE NM HYD	402.00	-	2	.21249	87.36	5.445	.48043	1.700	.642	PER IMP=1.50
ADD HYD	402.10	2& 3	4	.53799	125.21	12.923	.45038	1.850	.364	
ROUTE	402.20	4	2	.53799	123.85	12.923	.45038	1.900	.360	
COMPUTE NM HYD	401.00	-	3	.14474	55.33	3.400	.44044	1.700	.597	PER IMP=.00
ADD HYD	401.10	5& 2	4	10.76976	700.28	209.253	.36431	2.550	.102	
ADD HYD	401.20	4& 3	5	10.91450	707.99	212.653	.36532	2.550	.101	
COMPUTE NM HYD	303.00	-	1	.00790	5.00	.597	1.41615	2.200	.989	PER IMP=29.50
ADD HYD	303.10	1& 7	2	.25070	50.85	5.494	.41091	2.100	.317	
DIVIDE HYD	303.20	2	1	.24419	46.00	5.351	.41091	1.600	.294	
	303.30	AND	6	.00652	4.85	.143	.41091	2.100	1.162	
DIVIDE HYD	303.40	1	2	.12209	23.00	2.676	.41091	1.600	.294	
	303.40	AND	3	.12209	23.00	2.676	.41091	1.600	.294	
ROUTE	303.50	2	1	.12209	23.23	2.676	.41091	1.600	.297	
ROUTE	303.60	3	2	.12209	23.23	2.676	.41091	1.600	.297	
ADD HYD	303.70	1& 2	3	.24419	46.47	5.351	.41091	1.600	.297	
COMPUTE NM HYD	302.00	-	1	.01116	9.21	.770	1.29424	1.900	1.289	PER IMP=21.00
ADD HYD	302.10	1& 3	2	.25535	55.35	6.122	.44951	1.900	.339	
DIVIDE HYD	302.20	2	1	.23877	46.00	5.724	.44951	1.600	.301	
	302.30	AND	8	.01658	9.35	.398	.44951	1.900	.881	
DIVIDE HYD	302.40	2	2	.12767	27.68	3.061	.44951	1.900	.339	
	302.40	AND	3	.12767	27.68	3.061	.44951	1.900	.339	
ROUTE	302.40	2	4	.12767	27.60	3.061	.44951	1.950	.338	
ROUTE	302.50	3	1	.12767	27.60	3.061	.44951	1.950	.338	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	302.60	4& 1	3	.25535	55.20	6.122	.44951	1.950	.338	
COMPUTE NM HYD	301.00	-	1	.00593	7.36	.491	1.55240	1.700	1.940	PER IMP=39.00
ROUTE	301.20	1	2	.00593	7.35	.491	1.55241	1.750	1.936	
ADD HYD	301.30	2& 3	7	.26128	61.46	6.613	.47454	1.850	.368	
COMPUTE NM HYD	300.00	-	2	.00603	12.22	.420	1.30715	1.500	3.167	PER IMP=21.90
ADD HYD	300.10	8& 2	1	.02261	13.01	.818	.67821	1.600	.899	
ROUTE	300.20	1	2	.02261	12.70	.818	.67825	1.600	.878	
COMPUTE NM HYD	304.00	-	1	.00347	7.56	.285	1.53949	1.500	3.405	PER IMP=38.10
ROUTE	304.20	1	3	.00347	7.47	.285	1.53964	1.500	3.363	
ADD HYD	304.30	2& 3	8	.02608	19.67	1.103	.79279	1.500	1.179	
COMPUTE NM HYD	305.00	-	9	.00402	8.06	.322	1.50077	1.500	3.132	PER IMP=35.40
ROUTE RESERVOIR	401.01	5	1	10.91450	705.64	212.652	.36531	2.600	.101	AC-FT=9.935
ROUTE	401.80	1	2	10.91450	705.62	212.650	.36531	2.600	.101	
COMPUTE NM HYD	307.00	-	4	.01650	20.25	1.295	1.47208	1.700	1.917	PER IMP=33.40
ADD HYD	307.10	6& 4	1	.02302	21.87	1.438	1.17165	1.750	1.485	
ROUTE	307.20	1	3	.02302	21.74	1.438	1.17168	1.750	1.476	
ADD HYD	307.30	3& 2	1	10.93751	708.11	214.088	.36701	2.600	.101	
COMPUTE NM HYD	315.00	-	2	.00836	15.50	.464	1.04040	1.500	2.896	PER IMP= 3.30
ROUTE RESERVOIR	315.01	2	3	.00836	.01	.033	.07438	3.500	.003	AC-FT=.454
ROUTE	315.10	3	2	.00836	.01	.033	.07412	3.650	.003	
ADD HYD	315.20	1& 2	3	10.94587	708.12	214.122	.36678	2.600	.101	
COMPUTE NM HYD	312.00	-	1	.03437	68.16	2.278	1.24262	1.500	3.098	PER IMP=17.40
DIVIDE HYD	312.10	1	2	.01719	34.08	1.139	1.24261	1.500	3.098	
	312.20	AND	4	.01719	34.08	1.139	1.24261	1.500	3.098	
ROUTE	312.30	2	5	.01719	32.97	1.139	1.24264	1.550	2.998	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	312.40	3& 5	1	10.96306	708.86	215.260	.36816	2.600	.101	
COMPUTE NM HYD	314.00	-	3	.01914	35.92	1.100	1.07768	1.500	2.932	PER IMP= 5.90
ADD HYD	314.10	1& 3	2	10.98220	709.39	216.361	.36939	2.600	.101	
ROUTE RESERVOIR	401.01	2	1	10.98220	587.95	216.355	.36938	3.250	.084	AC-FT= 19.350
ROUTE	314.90	1	2	10.98220	587.90	216.351	.36938	3.300	.084	
COMPUTE NM HYD	306.00	-	1	.01532	16.22	1.068	1.30715	1.750	1.655	PER IMP=21.90
ROUTE	306.10	1	3	.01532	16.23	1.068	1.30715	1.750	1.655	
ROUTE	306.20	3	1	.01532	14.66	1.068	1.30715	1.850	1.496	
COMPUTE NM HYD	310.00	-	3	.00981	19.71	.670	1.28134	1.500	3.139	PER IMP=20.10
ADD HYD	310.10	3& 1	5	.02513	21.91	1.738	1.29703	1.500	1.362	
ROUTE	310.20	5	1	.02513	22.16	1.738	1.29706	1.550	1.378	
ADD HYD	310.30	1& 2	3	11.00733	588.93	218.090	.37150	3.250	.084	
ROUTE	310.40	4	5	.01719	33.91	1.139	1.24264	1.500	3.084	
ADD HYD	310.50	5& 3	1	11.02451	589.06	219.228	.37285	3.250	.083	
COMPUTE NM HYD	313.00	-	2	.00787	15.84	.540	1.28564	1.500	3.144	PER IMP=20.40
ADD HYD	313.10	1& 2	3	11.03238	589.11	219.768	.37351	3.250	.083	
ROUTE RESERVOIR	401.01	3	1	11.03238	562.16	219.768	.37350	3.750	.080	AC-FT= 10.357
COMPUTE NM HYD	309.00	-	3	.00803	7.00	.579	1.35161	1.900	1.361	PER IMP=25.00
COMPUTE NM HYD	308.00	-	4	.00915	10.41	.785	1.60833	1.800	1.778	PER IMP=42.90
ADD HYD	308.10	3& 4	2	.01718	17.06	1.364	1.48825	1.850	1.552	
ADD HYD	308.20	1& 2	10	11.04956	562.89	221.131	.37524	3.750	.080	
COMPUTE NM HYD	311.00	-	11	.00602	6.75	.529	1.64705	1.800	1.753	PER IMP=45.60
ROUTE	301.10	7	1	.26128	34.04	6.609	.47430	2.300	.204	
ROUTE	304.10	8	2	.02608	8.20	1.103	.79277	2.100	.491	
ROUTE	305.10	9	3	.00402	2.66	.322	1.50086	1.750	1.033	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	301.20	1& 2	4	.28736	40.66	7.712	.50321	2.200	.221	
ADD HYD	301.30	3& 4	1	.29138	42.58	8.034	.51697	2.200	.228	
COMPUTE NM HYD	145.00	-	2	.12312	58.94	3.527	.53716	1.700	.748	PER IMP= 2.00
ADD HYD	145.10	1& 2	3	.41450	78.73	11.561	.52296	1.750	.297	
ROUTE	145.20	3	1	.41450	78.34	11.561	.52295	1.800	.295	
COMPUTE NM HYD	143.00	-	2	.09431	39.34	2.210	.43936	1.650	.652	PER IMP=.00
COMPUTE NM HYD	144.00	-	3	.02602	22.05	.849	.61149	1.600	1.324	PER IMP=.00
ADD HYD	143.10	1& 2	4	.50881	113.65	13.771	.50745	1.750	.349	
ADD HYD	143.20	3& 4	1	.53483	128.15	14.619	.51251	1.700	.374	
ROUTE	143.30	1	2	.53483	125.64	14.618	.51249	1.800	.367	
COMPUTE NM HYD	141.00	-	1	.03868	25.39	.906	.43936	1.550	1.025	PER IMP=.00
ADD HYD	141.10	1& 2	3	.57351	138.91	15.525	.50755	1.750	.378	
COMPUTE NM HYD	140.00	-	1	.09638	38.55	2.258	.43936	1.700	.625	PER IMP=.00
ADD HYD	140.10	1& 3	2	.66989	175.96	17.783	.49774	1.750	.410	
ROUTE	140.20	2	1	.66989	150.95	17.781	.49767	1.850	.352	
COMPUTE NM HYD	139.00	-	2	.02145	15.37	.503	.43936	1.550	1.119	PER IMP=.00
ADD HYD	139.10	1& 2	3	.69134	155.17	18.283	.49586	1.850	.351	
ROUTE	139.20	3	1	.69134	140.36	18.282	.49584	2.000	.317	
COMPUTE NM HYD	138.00	-	2	.16332	88.34	3.827	.43936	1.600	.845	PER IMP=.00
ADD HYD	138.10	2& 1	3	.85466	171.79	22.109	.48505	1.900	.314	
ROUTE	138.20	3	1	.85466	146.88	22.108	.48502	2.100	.269	
COMPUTE NM HYD	129.00	-	2	.39080	220.43	9.271	.44479	1.650	.881	PER IMP=.00
ADD HYD	129.10	1& 2	3	1.24546	267.68	31.379	.47240	1.650	.336	
COMPUTE NM HYD	136.00	-	1	.08130	34.63	1.905	.43936	1.650	.666	PER IMP=.00
COMPUTE NM HYD	135.00	-	2	.05923	27.50	1.388	.43936	1.650	.726	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	135.10	1& 2	4	.14053	62.13	3.293	.43936	1.650	.691	
ROUTE RESERVOIR	135.01	4	1	.14053	51.09	2.381	.31774	1.800	.568	AC-FT= 1.186
ROUTE	135.20	1	2	.14053	15.32	2.381	.31765	2.150	.170	
COMPUTE NM HYD	130.00	-	1	.20469	81.47	4.796	.43936	1.700	.622	PER IMP=.00
ADD HYD	130.10	1& 2	4	.34522	82.07	7.177	.38982	1.750	.371	
ROUTE	130.20	4	2	.34522	53.75	7.177	.38981	2.000	.243	
COMPUTE NM HYD	125.00	-	1	.03679	21.54	.873	.44479	1.600	.915	PER IMP=.00
ADD HYD	125.10	1& 2	4	.38201	59.31	8.050	.39510	1.950	.243	
ADD HYD	125.20	3& 4	1	1.62747	312.19	39.429	.45426	1.700	.300	
COMPUTE NM HYD	124.00	-	2	.04092	18.17	.971	.44479	1.650	.694	PER IMP=.00
ADD HYD	124.10	2& 1	3	1.66839	330.05	40.399	.45402	1.650	.309	
ROUTE	124.20	3	1	1.66839	331.66	40.399	.45402	1.700	.311	
COMPUTE NM HYD	123.00	-	2	.02504	22.60	.639	.47815	1.500	1.410	PER IMP=.00
COMPUTE NM HYD	122.00	-	3	.13622	64.33	3.399	.46782	1.650	.738	PER IMP=.00
ADD HYD	123.10	1& 2	4	1.69343	341.78	41.038	.45438	1.700	.315	
ADD HYD	123.20	3& 4	1	1.82965	405.25	44.436	.45538	1.700	.346	
ROUTE	123.30	1	2	1.82965	407.74	44.436	.45538	1.700	.348	
COMPUTE NM HYD	121.00	-	1	.02100	19.64	.554	.49440	1.500	1.461	PER IMP=.00
ADD HYD	121.10	1& 2	3	1.85065	416.51	44.990	.45582	1.700	.352	
ROUTE	121.20	3	1	1.85065	420.72	44.990	.45582	1.700	.355	
COMPUTE NM HYD	120.00	-	2	.01176	10.70	.302	.48189	1.500	1.422	PER IMP=.00
COMPUTE NM HYD	119.00	-	3	.03895	28.33	.998	.48022	1.550	1.137	PER IMP=.00
ADD HYD	119.10	2& 3	4	.05071	38.71	1.300	.48061	1.550	1.193	
ROUTE	119.20	4	2	.05071	27.32	1.300	.48064	1.650	.842	
COMPUTE NM HYD	115.00	-	3	.03760	29.51	.901	.44916	1.550	1.226	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	115.10	3	4	.03760	29.59	.901	.44919	1.550	1.230	
COMPUTE NM HYD	112.00	-	3	.04603	39.83	1.128	.45943	1.500	1.352	PER IMP=.00
ADD HYD	112.10	1& 2	5	1.90136	447.91	46.290	.45648	1.700	.368	
ADD HYD	112.20	3& 5	2	1.94739	465.78	47.418	.45655	1.700	.374	
ADD HYD	112.30	4& 2	1	1.98499	481.19	48.318	.45641	1.700	.379	
ROUTE	311.40	11	2	.00602	5.19	.529	1.64703	2.000	1.347	
COMPUTE NM HYD	149.00	-	3	.03482	30.55	.923	.49701	1.500	1.371	PER IMP=2.90
ADD HYD	311.10	2& 3	4	.04084	30.75	1.452	.66649	1.500	1.176	
DIVIDE HYD	311.20	4	2	.01389	10.46	.494	.66649	1.500	1.176	
	311.30	AND	3	.02695	20.30	.958	.66649	1.500	1.176	
DIVIDE HYD	311.20	3	4	.01348	10.15	.479	.66648	1.500	1.176	
	311.20	AND	5	.01348	10.15	.479	.66648	1.500	1.176	
ROUTE	311.20	2	3	.01389	10.34	.494	.66648	1.550	1.163	
ROUTE	311.20	4	2	.01348	10.04	.479	.66648	1.550	1.164	
ROUTE	311.20	5	4	.01348	10.04	.479	.66648	1.550	1.164	
ADD HYD	311.30	2& 3	5	.02736	20.38	.973	.66643	1.550	1.164	
ADD HYD	311.40	5& 4	2	.04084	30.41	1.452	.66643	1.550	1.164	
ROUTE	311.30	2	3	.04084	15.17	1.452	.66648	1.700	.580	
COMPUTE NM HYD	148.00	-	2	.01588	13.65	.404	.47713	1.500	1.343	PER IMP=1.90
ROUTE	148.10	2	4	.01588	13.61	.404	.47718	1.550	1.339	
ROUTE	148.20	4	2	.01588	4.38	.404	.47716	1.700	.430	
COMPUTE NM HYD	147.00	-	4	.00565	5.02	.152	.50496	1.500	1.388	PER IMP=3.30
ROUTE	147.10	4	5	.00565	4.92	.152	.50511	1.550	1.360	
ROUTE	147.20	5	4	.00565	1.69	.152	.50511	1.700	.468	
COMPUTE NM HYD	146.00	-	5	.05976	44.51	2.561	.80337	1.650	1.164	PER IMP=17.80

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	146.10	2& 3	6	.05672	19.54	1.856	.61342	1.700	.538	
ADD HYD	146.20	4& 6	2	.06237	21.24	2.008	.60358	1.700	.532	
ADD HYD	146.30	5& 2	3	.12213	65.28	4.568	.70134	1.650	.835	
COMPUTE NM HYD	154.00	-	2	.01947	41.17	1.839	1.77124	1.500	3.304	PER IMP=67.00
ROUTE	154.10	2	4	.01947	22.95	1.839	1.77127	1.650	1.842	
COMPUTE NM HYD	153.00	-	2	.00646	3.51	.151	.43936	1.600	.848	PER IMP=.00
ROUTE	153.10	2	5	.00646	1.74	.151	.43956	1.850	.420	
COMPUTE NM HYD	152.00	-	2	.07224	125.11	5.741	1.49020	1.550	2.706	PER IMP=46.40
ADD HYD	152.10	2& 4	6	.09171	144.80	7.581	1.54986	1.550	2.467	
ADD HYD	152.20	5& 6	2	.09817	145.48	7.732	1.47679	1.550	2.315	
ROUTE	152.30	2	5	.09817	144.43	7.732	1.47680	1.550	2.299	
ADD HYD	152.40	3& 5	2	.22030	203.13	12.300	1.04690	1.600	1.441	
ROUTE	152.30	10	3	11.04956	562.56	221.116	.37521	3.850	.080	
COMPUTE NM HYD	150.00	-	4	.03482	80.14	3.547	1.91018	1.500	3.596	PER IMP=65.90
ROUTE	150.10	4	5	.03482	58.67	3.547	1.91020	1.600	2.633	
COMPUTE NM HYD	142.00	-	4	.12769	97.29	3.479	.51093	1.550	1.190	PER IMP= 3.40
ADD HYD	142.20	3& 4	6	11.17725	563.10	224.596	.37676	3.800	.079	
ADD HYD	142.30	5& 6	3	11.21207	563.56	228.143	.38153	3.800	.079	
ROUTE RESERVOIR	142.01	3	4	11.21207	563.56	222.907	.37277	3.850	.079	AC-FT= 6.878
ROUTE	142.40	4	3	11.21207	563.27	222.895	.37275	3.900	.078	
COMPUTE NM HYD	137.00	-	4	.08668	51.51	2.031	.43936	1.600	.929	PER IMP=.00
ADD HYD	137.10	3& 4	5	11.29875	563.73	224.926	.37326	3.900	.078	
COMPUTE NM HYD	134.00	-	4	.04029	28.89	.944	.43936	1.550	1.121	PER IMP=.00
ADD HYD	134.10	4& 2	6	.26059	229.44	13.244	.95296	1.600	1.376	
ADD HYD	134.20	6& 5	2	11.55934	567.86	238.171	.38633	3.850	.077	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	134.30	2	3	11.55934	567.84	238.165	.38632	3.900	.077	
COMPUTE NM HYD	132.00	-	2	.02692	22.73	.645	.44952	1.500	1.319	PER IMP=.00
COMPUTE NM HYD	133.00	-	4	.03939	29.73	.944	.44952	1.550	1.179	PER IMP=.00
ADD HYD	133.10	2& 3	5	11.58626	567.89	238.811	.38647	3.900	.077	
ADD HYD	133.20	4& 5	2	11.62565	567.99	239.755	.38668	3.900	.076	
ROUTE	133.30	2	3	11.62565	567.91	239.746	.38667	3.900	.076	
COMPUTE NM HYD	151.00	-	2	.02907	24.35	.695	.44843	1.500	1.309	PER IMP=.00
ROUTE	151.10	2	4	.02907	16.98	.695	.44847	1.650	.913	
COMPUTE NM HYD	131.00	-	2	.05707	40.49	1.353	.44443	1.550	1.109	PER IMP=.00
ADD HYD	131.10	2& 3	5	11.68272	568.10	241.099	.38695	3.900	.076	
ADD HYD	131.20	4& 5	2	11.71179	568.16	241.794	.38710	3.900	.076	
ROUTE	131.30	2	3	11.71179	568.13	241.782	.38708	3.950	.076	
COMPUTE NM HYD	127.00	-	2	.04370	37.94	1.074	.46084	1.500	1.356	PER IMP=.00
ADD HYD	127.10	2& 3	4	11.75549	568.19	242.856	.38736	3.950	.076	
ROUTE	127.20	4	2	11.75549	568.20	242.850	.38735	3.950	.076	
COMPUTE NM HYD	128.00	-	3	.07690	57.04	1.808	.44080	1.550	1.159	PER IMP=.00
ROUTE	128.10	3	4	.07690	53.75	1.808	.44082	1.600	1.092	
COMPUTE NM HYD	126.00	-	3	.07448	50.79	1.775	.44697	1.550	1.066	PER IMP=.00
ADD HYD	126.10	3& 4	5	.15138	102.89	3.583	.44384	1.550	1.062	
ROUTE	126.20	5	3	.15138	93.25	3.583	.44385	1.650	.962	
ADD HYD	126.30	2& 3	4	11.90687	568.73	246.433	.38806	3.950	.075	
COMPUTE NM HYD	118.00	-	2	.06353	61.24	1.844	.54415	1.550	1.506	PER IMP=.00
ADD HYD	118.10	2& 4	3	11.97040	568.83	248.277	.38889	3.950	.074	
ROUTE	118.20	3	2	11.97040	568.77	248.272	.38888	4.000	.074	
COMPUTE NM HYD	116.00	-	3	.01678	15.86	.447	.49901	1.500	1.477	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	117.00	-	4	.01804	21.18	.587	.61003	1.500	1.834	PER IMP=.00
COMPUTE NM HYD	114.00	-	5	.01552	18.42	.510	.61590	1.500	1.855	PER IMP=.00
ADD HYD	114.10	2& 3	6	11.98718	568.79	248.718	.38904	4.000	.074	
ADD HYD	114.20	4& 6	2	12.00522	568.80	249.305	.38937	4.000	.074	
ADD HYD	114.30	5& 2	3	12.02074	568.82	249.815	.38966	4.000	.074	
ROUTE	114.40	3	2	12.02074	568.83	249.809	.38965	4.000	.074	
COMPUTE NM HYD	113.00	-	5	.01992	21.07	.588	.55312	1.500	1.653	PER IMP=.00
ADD HYD	113.10	5& 2	4	12.04066	568.84	250.396	.38992	4.000	.074	
ADD HYD	112.10	1& 4	3	14.02565	980.22	298.715	.39933	1.750	.109	
ROUTE	112.20	3	1	14.02565	992.33	298.709	.39933	1.750	.111	
COMPUTE NM HYD	111.00	-	2	.00906	9.70	.271	.55989	1.500	1.674	PER IMP=.00
ADD HYD	111.10	1& 2	3	14.03471	995.40	298.980	.39943	1.750	.111	
ROUTE	111.20	3	1	14.03471	1004.32	298.974	.39942	1.750	.112	
COMPUTE NM HYD	110.00	-	2	.04352	47.64	1.327	.57176	1.500	1.711	PER IMP=.00
ADD HYD	110.10	1& 2	3	14.07823	1019.37	300.302	.39995	1.750	.113	
ROUTE	110.20	3	1	14.07823	1023.10	300.298	.39995	1.750	.114	
COMPUTE NM HYD	109.00	-	2	.02638	30.81	.854	.60710	1.500	1.825	PER IMP=.00
COMPUTE NM HYD	108.00	-	3	.00781	9.86	.272	.65283	1.500	1.972	PER IMP=.00
ADD HYD	109.10	1& 2	4	14.10461	1032.78	301.152	.40034	1.750	.114	
ADD HYD	109.20	3& 4	1	14.11242	1035.88	301.424	.40048	1.750	.115	
ROUTE	109.30	1	2	14.11242	1027.58	301.420	.40047	1.750	.114	
COMPUTE NM HYD	107.00	-	1	.02163	24.70	.686	.59444	1.500	1.784	PER IMP=.00
ADD HYD	107.10	1& 2	3	14.13405	1035.36	302.105	.40077	1.750	.114	
ROUTE	107.20	3	1	14.13405	1043.68	302.100	.40076	1.800	.115	
COMPUTE NM HYD	106.00	-	2	.04128	49.27	1.364	.61933	1.500	1.865	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	106.10	1& 2	3	14.17533	1054.52	303.463	.40140	1.800	.116	
ROUTE	106.20	3	1	14.17533	1062.63	303.457	.40139	1.800	.117	
COMPUTE NM HYD	105.00	-	2	.02584	31.66	.875	.63507	1.500	1.914	PER IMP=.00
COMPUTE NM HYD	104.00	-	3	.01579	19.92	.550	.65283	1.500	1.971	PER IMP=.00
ADD HYD	104.10	2& 3	4	.04163	51.58	1.425	.64180	1.500	1.936	
ADD HYD	104.20	1& 4	2	14.21696	1074.02	304.882	.40209	1.800	.118	
ROUTE	104.30	2	1	14.21696	1082.22	304.879	.40209	1.800	.119	
COMPUTE NM HYD	103.00	-	2	.02997	35.54	.984	.61541	1.500	1.853	PER IMP=.00
ADD HYD	103.10	1& 2	3	14.24693	1090.04	305.862	.40254	1.800	.120	
ROUTE	103.20	3	1	14.24693	1054.56	305.850	.40252	1.850	.116	
COMPUTE NM HYD	101.00	-	2	.08444	94.42	2.614	.58042	1.500	1.747	PER IMP=.00
COMPUTE NM HYD	102.00	-	3	.02692	28.38	.792	.55169	1.500	1.647	PER IMP=.00
ADD HYD	101.10	1& 2	4	14.33137	1069.41	308.464	.40357	1.850	.117	
ADD HYD	101.20	3& 4	10	14.35829	1074.00	309.256	.40385	1.850	.117	
COMPUTE NM HYD	509.00	-	4	.04047	19.08	.948	.43936	1.650	.737	PER IMP=.00
ROUTE RESERVOIR	509.01	4	5	.04047	15.41	.651	.30173	1.750	.595	AC-FT= .368
ROUTE	509.10	5	4	.04047	1.27	.649	.30048	2.850	.049	
COMPUTE NM HYD	508.00	-	5	.13308	33.27	3.118	.43936	1.900	.391	PER IMP=.00
ADD HYD	508.10	4& 5	6	.17355	34.10	3.767	.40697	1.900	.307	
ROUTE	508.20	6	4	.17355	34.06	3.767	.40697	1.900	.307	
ROUTE	508.30	4	5	.17355	21.51	3.767	.40693	2.350	.194	
COMPUTE NM HYD	506.00	-	4	.68388	224.59	16.078	.44080	1.800	.513	PER IMP=.00
ROUTE	506.10	4	6	.68388	224.27	16.078	.44081	1.800	.512	
ROUTE	506.20	6	4	.68388	144.64	16.078	.44081	2.050	.330	
COMPUTE NM HYD	507.00	-	6	.72551	276.94	17.308	.44731	1.750	.596	PER IMP=.40

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	507.10	4& 5	7	.85743	163.91	19.844	.43395	2.100	.299	
ADD HYD	507.20	6& 7	4	1.58294	379.74	37.152	.44007	1.850	.375	
ROUTE	507.30	4	6	1.58294	131.79	37.146	.44000	2.450	.130	
ROUTE	507.40	6	5	1.58294	126.30	37.146	.43999	2.750	.125	
COMPUTE NM HYD	505.00	-	4	.57826	239.61	13.857	.44930	1.700	.647	PER IMP=.50
ROUTE	505.10	4	6	.57826	239.62	13.857	.44930	1.750	.647	
ROUTE	505.20	6	4	.57826	129.92	13.857	.44930	1.950	.351	
ADD HYD	505.30	4& 5	6	2.16120	206.71	51.002	.44248	2.350	.149	
COMPUTE NM HYD	503.00	-	4	.10759	35.92	2.632	.45870	1.750	.522	PER IMP=.90
ROUTE	503.10	4	5	.10759	26.13	2.632	.45870	2.000	.379	
ADD HYD	503.20	6& 5	4	2.26879	227.03	53.634	.44325	2.300	.156	
COMPUTE NM HYD	502.00	-	5	.09216	46.09	2.341	.47622	1.650	.781	PER IMP=1.80
ROUTE RESERVOIR	502.01	5	6	.09216	.01	.013	.00268	24.400	.000	AC-FT=2.330
ROUTE	502.10	6	5	.09216	.01	.013	.00268	24.400	.000	
ADD HYD	502.20	5& 4	6	2.36095	227.04	53.647	.42605	2.300	.150	
COMPUTE NM HYD	501.00	-	4	.02172	18.34	.521	.44989	1.500	1.320	PER IMP=.00
ROUTE RESERVOIR	501.01	4	5	.02172	.01	.015	.01326	4.700	.000	AC-FT=.519
ROUTE	501.10	5	4	.02172	.01	.015	.01326	4.700	.000	
ADD HYD	501.20	4& 6	5	2.38267	227.04	53.663	.42229	2.300	.149	
COMPUTE NM HYD	504.00	-	4	.89619	265.49	21.950	.45924	1.850	.463	PER IMP=1.00
ADD HYD	504.10	4& 5	1	3.27886	456.28	75.613	.43239	1.950	.217	
COMPUTE NM HYD	500.00	-	4	.00628	11.51	.337	1.00741	1.500	2.864	PER IMP=1.00
ADD HYD	504.20	4& 1	6	3.28514	458.06	75.949	.43348	1.950	.218	
COMPUTE NM HYD	316.00	-	1	.02386	44.99	1.390	1.09203	1.500	2.946	PER IMP=6.90
ROUTE RESERVOIR	316.01	1	3	.02386	27.93	1.064	.83637	1.650	1.829	AC-FT=.566

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	316.10	3	1	.02386	26.28	1.064	.83634	1.700	1.721	
COMPUTE NM HYD	325.00	-	2	.00553	11.57	.415	1.40754	1.500	3.269	PER IMP=28.90
ADD HYD	325.10	1& 2	3	.02939	32.22	1.479	.94381	1.650	1.713	
DIVIDE HYD	325.20	3	1	.01470	16.11	.740	.94381	1.650	1.713	
	325.30	AND	2	.01470	16.11	.740	.94381	1.650	1.713	
ROUTE	325.40	2	3	.01470	15.94	.740	.94380	1.700	1.695	
ADD HYD	325.50	3& 6	4	3.29983	466.41	76.689	.43576	1.950	.221	
DIVIDE HYD	325.60	4	3	1.64992	233.21	38.345	.43576	1.950	.221	
	325.60	AND	6	1.64992	233.21	38.345	.43576	1.950	.221	
ROUTE	325.70	6	4	1.64992	233.57	38.345	.43576	1.950	.221	
ROUTE	325.70	3	6	1.64992	233.57	38.345	.43576	1.950	.221	
ADD HYD	325.80	6& 4	2	3.29983	467.15	76.689	.43576	1.950	.221	
COMPUTE NM HYD	324.00	-	3	.01196	13.20	.690	1.08199	1.700	1.724	PER IMP=6.20
ROUTE	324.10	1	4	.01470	12.65	.740	.94372	1.800	1.345	
ADD HYD	324.20	3& 4	1	.02666	25.02	1.430	1.00574	1.750	1.467	
ADD HYD	324.30	1& 2	3	3.32649	485.14	78.119	.44032	1.950	.228	
DIVIDE HYD	324.40	3	1	1.66324	242.57	39.059	.44032	1.950	.228	
	324.40	AND	2	1.66324	242.57	39.059	.44032	1.950	.228	
ROUTE	324.50	1	3	1.66324	242.87	39.059	.44032	1.950	.228	
ROUTE	324.50	2	1	1.66324	242.87	39.059	.44032	1.950	.228	
ADD HYD	324.60	3& 1	2	3.32649	485.74	78.119	.44032	1.950	.228	
ROUTE	324.50	2	1	3.32649	483.65	78.118	.44032	2.000	.227	
COMPUTE NM HYD	323.00	-	2	.00343	7.15	.255	1.39320	1.500	3.256	PER IMP=27.90
ROUTE	323.10	2	3	.00343	3.53	.255	1.39334	1.650	1.607	
ADD HYD	323.20	1& 3	2	3.32992	485.84	78.373	.44130	2.000	.228	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	321.00	-	1	.06053	113.28	3.456	1.07051	1.500	2.924	PER IMP=5.40
ADD HYD	321.10	2& 1	3	3.39045	503.81	81.829	.45253	1.950	.232	
COMPUTE NM HYD	322.00	-	4	.09103	138.61	4.940	1.01745	1.550	2.379	PER IMP=1.70
ADD HYD	322.10	3& 4	2	3.48148	536.35	86.769	.46730	1.950	.241	
ROUTE	322.20	2	1	3.48148	537.63	86.768	.46730	1.950	.241	
COMPUTE NM HYD	320.00	-	4	.00482	10.79	.420	1.63271	1.500	3.497	PER IMP=44.60
ADD HYD	320.10	1& 4	12	3.48630	539.99	87.188	.46891	1.950	.242	
COMPUTE NM HYD	225.00	-	1	.02082	16.37	.497	.44731	1.550	1.229	PER IMP=.40
ROUTE	225.10	1	2	.02082	16.85	.497	.44727	1.550	1.265	
COMPUTE NM HYD	223.00	-	1	.01050	8.64	.246	.43936	1.500	1.286	PER IMP=.00
ROUTE RESERVOIR	223.01	1	3	.01050	.01	.020	.03492	4.250	.001	AC-FT=.244
DIVIDE HYD	223.10	3	1	.00525	.00	.010	.03492	4.250	.001	
	223.20	AND	4	.00525	.00	.010	.03492	4.250	.001	
ROUTE	223.30	4	3	.00525	.00	.010	.03492	4.250	.001	
ADD HYD	223.40	3& 2	5	.02607	16.86	.506	.36418	1.550	1.010	
ROUTE	223.50	1	2	.00525	.00	.010	.03492	4.250	.001	
COMPUTE NM HYD	224.00	-	4	.02225	18.42	.524	.44189	1.500	1.294	PER IMP=.00
ADD HYD	224.10	4& 5	1	.04832	34.76	1.031	.39996	1.550	1.124	
ROUTE	322.20	12	3	3.48630	540.26	87.188	.46891	1.950	.242	
COMPUTE NM HYD	226.00	-	4	.01463	14.15	.424	.54384	1.500	1.511	PER IMP=3.30
ADD HYD	226.10	3& 4	4	3.50093	541.97	87.612	.46923	1.950	.242	
ROUTE RESERVOIR	226.01	4	6	3.50093	541.65	85.502	.45792	1.950	.242	AC-FT=2.914
ADD HYD	226.20	6& 1	3	3.54925	546.07	86.533	.45713	1.950	.240	
ROUTE	226.30	3	4	3.54925	544.18	86.532	.45713	2.000	.240	
ADD HYD	226.40	2& 4	5	3.55450	544.18	86.542	.45651	2.000	.239	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	222.00	-	4	.08660	65.10	2.244	.48595	1.550	1.175	PER IMP=.10
ADD HYD	222.10	5& 4	2	3.64110	553.89	88.786	.45721	2.000	.238	
COMPUTE NM HYD	221.00	-	4	.06353	61.43	1.726	.50955	1.500	1.511	PER IMP=.00
ADD HYD	221.10	2& 4	1	3.70463	559.47	90.513	.45811	2.000	.236	
ROUTE	221.20	1	2	3.70463	556.41	90.512	.45810	2.000	.235	
COMPUTE NM HYD	220.00	-	1	.05896	59.62	1.669	.53082	1.500	1.580	PER IMP=.00
ADD HYD	220.10	1& 2	3	3.76359	561.78	92.181	.45924	2.000	.233	
COMPUTE NM HYD	219.00	-	1	.07179	77.91	2.163	.56505	1.500	1.696	PER IMP=.00
ADD HYD	219.10	1& 3	2	3.83538	568.67	94.344	.46122	2.000	.232	
ROUTE	219.20	2	3	3.83538	564.51	94.343	.46122	2.050	.230	
COMPUTE NM HYD	218.00	-	4	.05788	47.61	1.356	.43936	1.500	1.285	PER IMP=.00
ADD HYD	218.10	3& 4	1	3.89326	568.49	95.700	.46089	2.050	.228	
COMPUTE NM HYD	216.00	-	4	.01310	14.49	.403	.57704	1.500	1.729	PER IMP=.00
ROUTE	216.10	4	2	.01310	11.65	.403	.57717	1.600	1.390	
COMPUTE NM HYD	217.00	-	3	.02827	23.25	.662	.43936	1.500	1.285	PER IMP=.00
ADD HYD	217.10	3& 2	4	.04137	33.47	1.066	.48298	1.550	1.264	
COMPUTE NM HYD	215.00	-	3	.02934	27.10	.764	.48855	1.500	1.443	PER IMP=.00
ADD HYD	215.10	3& 4	2	.07071	59.71	1.830	.48529	1.550	1.320	
ADD HYD	215.20	1& 2	3	3.96397	574.36	97.530	.46133	2.050	.226	
ROUTE	215.30	3	1	3.96397	572.83	97.529	.46132	2.100	.226	
COMPUTE NM HYD	214.00	-	4	.03392	33.54	.941	.52015	1.500	1.545	PER IMP=.00
ADD HYD	214.10	4& 1	2	3.99789	575.23	98.470	.46182	2.100	.225	
COMPUTE NM HYD	211.00	-	1	.02593	28.05	.781	.56505	1.500	1.690	PER IMP=.00
COMPUTE NM HYD	212.00	-	3	.02755	31.16	.866	.58911	1.500	1.767	PER IMP=.00
ADD HYD	212.10	1& 3	4	.05348	59.21	1.647	.57744	1.500	1.730	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	212.20	4	1	.05348	58.75	1.647	.57751	1.550	1.716	
COMPUTE NM HYD	213.00	-	3	.00817	7.38	.208	.47815	1.500	1.411	PER IMP=.00
ADD HYD	213.10	3& 1	4	.06165	65.90	1.856	.56433	1.550	1.670	
ADD HYD	213.20	2& 4	1	4.05954	581.12	100.326	.46338	2.050	.224	
ROUTE	213.40	1	2	4.05954	581.62	100.326	.46338	2.100	.224	
COMPUTE NM HYD	210.00	-	1	.04379	49.53	1.376	.58911	1.500	1.767	PER IMP=.00
ADD HYD	210.10	1& 2	3	4.10333	585.02	101.702	.46472	2.100	.223	
COMPUTE NM HYD	209.00	-	1	.01777	21.94	.606	.63937	1.500	1.929	PER IMP=.00
COMPUTE NM HYD	207.00	-	2	.01669	19.73	.546	.61345	1.500	1.847	PER IMP=.00
ADD HYD	207.10	1& 2	4	.03446	41.66	1.152	.62681	1.500	1.889	
ROUTE	207.20	4	1	.03446	41.43	1.152	.62683	1.550	1.878	
COMPUTE NM HYD	208.00	-	2	.00314	3.04	.085	.50955	1.500	1.513	PER IMP=.00
ADD HYD	208.10	1& 2	4	.03760	44.37	1.237	.61702	1.550	1.844	
ADD HYD	208.20	4& 3	1	4.14093	588.39	102.939	.46610	2.100	.222	
ROUTE	208.30	1	2	4.14093	587.87	102.938	.46610	2.100	.222	
COMPUTE NM HYD	206.00	-	5	.01983	21.45	.598	.56505	1.500	1.690	PER IMP=.00
COMPUTE NM HYD	205.00	-	1	.01974	25.45	.702	.66636	1.500	2.014	PER IMP=.00
COMPUTE NM HYD	204.00	-	3	.00763	9.84	.271	.66636	1.500	2.015	PER IMP=.00
ADD HYD	204.10	1& 3	4	.02737	35.29	.973	.66635	1.500	2.015	
ROUTE	204.20	4	1	.02737	33.30	.973	.66638	1.550	1.901	
COMPUTE NM HYD	203.00	-	3	.00960	11.11	.308	.60125	1.500	1.807	PER IMP=.00
ADD HYD	203.10	1& 3	4	.03697	43.91	1.281	.64944	1.550	1.856	
ADD HYD	203.20	4& 5	1	.05680	64.50	1.878	.61998	1.550	1.774	
ROUTE	203.30	1	3	.05680	61.40	1.878	.62001	1.600	1.689	
COMPUTE NM HYD	202.00	-	1	.03805	36.91	1.038	.51132	1.500	1.516	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) -04/22/1996
INPUT FILE = WGEXIST.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	202.10	1& 2	4	4.17898	590.53	103.976	.46651	2.100	.221	
ADD HYD	202.20	4& 3	1	4.23578	596.43	105.854	.46857	2.100	.220	
ROUTE	202.30	1	2	4.23578	595.55	105.854	.46857	2.150	.220	
COMPUTE NM HYD	201.00	-	1	.03518	34.69	.993	.52946	1.500	1.541	PER IMP=1.00
COMPUTE NM HYD	200.00	-	3	.05438	80.09	2.303	.79420	1.500	2.301	PER IMP=2.00
ADD HYD	200.10	1& 2	4	4.27096	597.85	106.847	.46907	2.150	.219	
ADD HYD	200.20	3& 4	12	4.32534	603.18	109.150	.47316	2.100	.218	
ADD HYD	200.30	12&10	1	18.68363	1652.52	418.407	.41989	1.850	.138	
ROUTE RESERVOIR	200.03	1	2	18.68363	73.15	167.311	.16791	11.400	.006	AC-FT= 336.621
ROUTE RESERVOIR	200.03	1	2	18.68363	75.56	341.887	.34310	11.300	.006	AC-FT= 334.672
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = 98100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME=.00
*S										
*S 98th STREET AND CENTRAL POND										
*S										
*S										
*S 100-YR, 24-HR STORM WITH SEDIMENT										
*S FILE NAME: 98100E1B.DAT										
*S BY: RICHARD STOCKTON										
*S LAST REVISION: 05-15-96										
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM AREA TRIBUTORY TO										
*S THE 98th STREET AND CENTRAL AVENUE DETENTION POND. THE OUTFLOW HYDROGRAPH										
*S FROM THIS MODEL WILL BE USED IN THE TIERRA BAYITA MODEL TB100E1B.DAT.										
*S ANALYSIS ASSUMPTIONS:										
*S 1. ALL LAND IN THIS BASIN IS MODELED AS EXISTING CONDITION.										
*S										
*S 2. A BULKING FACTOR OF 6% AND 15% HAVE BEEN ADDED TO EACH UNDEVELOPED SUB-BAS										
*S BY USE OF THE DIVIDE HYD COMMAND.										
*S100 YEAR 24HR STORM EXISTING CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
COMPUTE NM HYD	108.40	-	5	.06440	88.08	2.975	.86604	1.500	2.137	PER IMP=15.00
DIVIDE HYD	108.40	5	5	.06440	93.36	3.153	.91800	1.500	2.265	
	.00	AND	16	.06440	5.28	.178	.05196	1.500	.128	
COMPUTE NM HYD	101.00	-	1	.02600	33.59	.924	.66636	1.500	2.019	PER IMP=.00
DIVIDE HYD	101.00	1	1	.02600	38.63	1.063	.76631	1.500	2.321	
	.00	AND	16	.02600	5.04	.139	.09995	1.500	.303	
ROUTE	101.80	1	2	.02600	19.86	1.063	.76634	1.650	1.194	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = 98100E1B.DAT

RUN DATE (MON/DAY/YR) =05/15/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	108.30	-	1	.19420	162.38	7.231	.69815	1.600	1.306	PER IMP=10.00
DIVIDE HYD	108.30	1	1	.19420	172.12	7.665	.74003	1.600	1.385	
	.00	AND	16	.19420	9.74	.434	.04189	1.600	.078	
ADD HYD	108.39	1& 2	3	.22020	191.11	8.727	.74314	1.600	1.356	
ROUTE	108.38	3	2	.22020	166.41	8.727	.74314	1.700	1.181	
COMPUTE NM HYD	108.20	-	7	.16310	147.91	4.168	.47912	1.500	1.417	PER IMP=2.00
DIVIDE HYD	108.20	7	7	.16310	156.78	4.418	.50786	1.500	1.502	
	.00	AND	16	.16310	8.87	.250	.02875	1.500	.085	
*S COMBINE HYD'S 108.38 AND 108.2										
ADD HYD	108.29	7& 2	7	.38330	266.91	13.145	.64302	1.600	1.088	
COMPUTE NM HYD	102.00	-	2	.28100	367.08	16.788	1.12019	1.600	2.041	PER IMP=25.00
DIVIDE HYD	102.00	2	2	.28100	389.10	17.795	1.18740	1.600	2.164	
	.00	AND	16	.28100	22.02	1.007	.06721	1.600	.122	
ROUTE	102.80	2	3	.28100	349.66	17.795	1.18740	1.650	1.944	
COMPUTE NM HYD	108.10	-	4	.14670	131.93	3.749	.47912	1.500	1.405	PER IMP= 2.00
DIVIDE HYD	108.10	4	4	.14670	139.85	3.974	.50786	1.500	1.490	
	.00	AND	16	.14670	7.92	.225	.02875	1.500	.084	
ADD HYD	108.17	4& 3	2	.42770	439.16	21.769	.95432	1.600	1.604	
ADD HYD	108.90	2& 7	9	.81100	706.07	34.914	.80719	1.600	1.360	
ROUTE RESERVOIR	502.00	9	10	.81100	74.87	34.913	.80717	2.400	.144	AC-FT=23.779
COMPUTE NM HYD	109.00	-	1	.18030	113.57	4.225	.43936	1.600	.984	PER IMP=.00
DIVIDE HYD	109.00	1	1	.18030	120.38	4.478	.46572	1.600	1.043	
	.00	AND	16	.18030	6.81	.253	.02636	1.600	.059	
ROUTE	109.19	1	6	.18030	121.98	4.478	.46573	1.600	1.057	
ADD HYD	109.49	6& 5	6	.24470	204.37	7.631	.58475	1.550	1.305	
ADD HYD	109.59	6&10	6	1.05570	236.89	42.544	.75561	1.550	.351	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = 98100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE RESERVOIR	98100E1B.HYD	6	10	1.05570	12.99	26.549	.47153	9.500	.019	AC-FT=31.635

*S HYD 98100E1B.HYD IS ***** AP 31 *****
FINISH

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = AB100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME=.00
*S										
*S	ATRISCO BUSINESS PARK									
*S										
*S										
*S 100-YR, 24-HR STORM WITH SEDIMENT										
*S FILE NAME: AB100E1B.DAT										
*S BY: RICHARD STOCKTON PEER REVIEWED BY: TOM BLAINE										
*S LAST REVISION: 05-14-96										
*S100 YEAR 24HR STORM EXISTING CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
*S BEGIN THE WATERSHED FOR THE AIRPORT ROAD STORM DRAIN **********										
COMPUTE NM HYD	200.10	-	2	.20810	201.15	5.307	.47815	1.500	1.510	PER IMP=.00
*S ASSUME CONSERVATION TREATMENT IS APPLIED TO THE BASIN AND NO RUNOFF										
*S LEAVES THE SITE										
COMPUTE NM HYD	200.40	-	3	.00420	10.40	.469	2.09267	1.500	3.868	PER IMP=81.00
ROUTE	200.45	3	11	.00420	7.01	.469	2.09280	1.600	2.606	
COMPUTE NM HYD	200.50	-	4	.00350	8.67	.391	2.09267	1.500	3.869	PER IMP=81.00
ADD HYD	200.51	11& 4	3	.00770	14.30	.859	2.09259	1.550	2.903	
ROUTE	200.66	3	11	.00770	11.60	.859	2.09269	1.650	2.355	
COMPUTE NM HYD	210.10	-	2	.07480	67.68	1.908	.47815	1.500	1.414	PER IMP=.00
*S ASSUME CONSERVATION TREATMENT IS APPLIED TO THE BASIN AND NO RUNOFF										
*S LEAVES THE SITE										
COMPUTE NM HYD	210.30	-	2	.00250	6.19	.279	2.09268	1.500	3.871	PER IMP=81.00
ADD HYD	210.31	11& 2	12	.01020	15.71	1.138	2.09257	1.600	2.407	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = AB100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	210.47	12	11	.01020	13.77	1.138	2.09263	1.700	2.110	
COMPUTE NM HYD	210.50	-	2	.00240	5.95	.268	2.09267	1.500	3.871	PER IMP=81.00
ADD HYD	210.51	2&11	11	.01260	16.66	1.406	2.09254	1.650	2.065	
COMPUTE NM HYD	210.60	-	3	.07000	63.19	1.785	.47815	1.500	1.411	PER IMP=.00
*S ASSUME CONSERVATION TREATMENT IS APPLIED TO THE BASIN AND NO RUNOFF										
*S LEAVES THE SITE										
COMPUTE NM HYD	210.70	-	2	.00330	8.17	.368	2.09267	1.500	3.869	PER IMP=81.00
ROUTE	210.71	2	12	.00330	4.83	.368	2.09282	1.600	2.285	
COMPUTE NM HYD	210.80	-	3	.00280	6.94	.313	2.09267	1.500	3.871	PER IMP=81.00
ADD HYD	210.81	3&12	12	.00610	10.56	.681	2.09251	1.550	2.706	
COMPUTE NM HYD	210.90	-	2	.00170	4.22	.190	2.09267	1.500	3.876	PER IMP=81.00
ADD HYD	210.91	12& 2	12	.00780	14.64	.870	2.09251	1.500	2.933	
ADD HYD	210.92	12&11	11	.02040	29.41	2.277	2.09253	1.550	2.253	
ROUTE	211.13	11	10	.02040	26.71	2.277	2.09257	1.650	2.046	
*S BEGIN THE AREA SOUTH OF BLUEWATER ROAD										
COMPUTE NM HYD	220.10	-	2	.00350	8.67	.391	2.09267	1.500	3.869	PER IMP=81.00
COMPUTE NM HYD	220.20	-	3	.03130	77.77	3.488	2.08937	1.500	3.882	PER IMP=80.00
ROUTE RESERVOIR	220.21	3	4	.03130	2.01	3.162	1.89413	2.550	.100	AC-FT=2.528
ROUTE	220.22	4	5	.03130	2.01	3.158	1.89148	2.650	.100	
ADD HYD	220.23	2& 5	3	.03480	9.29	3.548	1.91171	1.500	.417	
COMPUTE NM HYD	220.30	-	2	.04470	40.21	1.140	.47815	1.500	1.406	PER IMP=.00
*S ASSUME CONSERVATION TREATMENT IS APPLIED TO THE BASIN AND NO RUNOFF										
*S LEAVES THE SITE										
ADD HYD	220.53	10& 3	2	.05520	32.95	5.825	1.97853	1.600	.933	
ROUTE	220.54	2	10	.05520	32.91	5.823	1.97806	1.600	.931	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = AB100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S BEGIN THE AREA SOUTH OF THE ATRISCO BUSINESS PARK										
COMPUTE NM HYD	220.60	-	2	.01980	49.20	2.206	2.08937	1.500	3.883	PER IMP=80.00
ROUTE RESERVOIR	220.61	2	3	.01980	1.27	1.992	1.88671	2.550	.100	AC-FT=1.599
COMPUTE NM HYD	220.70	-	4	.00270	6.69	.301	2.09267	1.500	3.871	PER IMP=81.00
ADD HYD	220.71	4& 3	5	.02250	7.40	2.294	1.91141	1.500	.514	
ADD HYD	220.72	10& 5	2	.07770	38.42	8.117	1.95876	1.600	.773	
ROUTE	220.73	2	10	.07770	36.34	8.100	1.95467	1.700	.731	
*S BEGIN AREA SOUTH OF CENTRAL BOULEVARD										
COMPUTE NM HYD	230.10	-	2	.00180	3.80	.137	1.42332	1.500	3.294	PER IMP=30.00
ROUTE	230.11	2	3	.00180	3.14	.137	1.42358	1.550	2.725	
COMPUTE NM HYD	230.20	-	2	.00520	10.93	.395	1.42332	1.500	3.285	PER IMP=30.00
ADD HYD	230.21	2& 3	4	.00700	13.54	.531	1.42325	1.500	3.023	
ROUTE	230.22	4	11	.00700	13.40	.531	1.42336	1.500	2.990	
COMPUTE NM HYD	230.30	-	2	.00240	6.09	.277	2.16311	1.500	3.963	PER IMP=85.00
ADD HYD	230.31	2&11	1	.00940	19.48	.808	1.61212	1.500	3.239	
ADD HYD	230.32	1&10	3	.08710	49.29	8.908	1.91770	1.600	.884	
ROUTE	230.33	3	10	.08710	49.32	8.907	1.91742	1.600	.885	
*S END OF AIRPORT ROAD STORM DRAIN										
*S BEGIN COORS CONNECTION STORM DRAIN										
COMPUTE NM HYD	230.60	-	2	.00230	6.13	.280	2.28382	1.500	4.162	PER IMP=90.00
ROUTE	230.61	2	3	.00230	4.53	.280	2.28404	1.600	3.080	
COMPUTE NM HYD	230.70	-	2	.00580	14.69	.669	2.16311	1.500	3.958	PER IMP=85.00
ADD HYD	230.71	3& 2	4	.00810	18.45	.949	2.19732	1.500	3.559	
COMPUTE NM HYD	230.50	-	2	.00660	6.49	.183	.52015	1.500	1.536	PER IMP=.00
ADD HYD	230.51	2& 4	5	.01470	24.94	1.132	1.44430	1.500	2.651	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = AB100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	230.52	5	4	.01470	24.72	1.132	1.44435	1.500	2.627	
COMPUTE NM HYD	230.80	-	2	.01120	15.84	.532	.89042	1.500	2.210	PER IMP=15.00
ADD HYD	230.82	2& 4	5	.02590	40.56	1.664	1.20477	1.500	2.447	
ROUTE	230.83	5	2	.02590	39.99	1.664	1.20480	1.500	2.413	
ADD HYD	230.84	2&10	11	.11300	86.64	10.571	1.75408	1.550	1.198	
ROUTE	230.85	11	10	.11300	86.71	10.570	1.75395	1.550	1.199	
ROUTE	230.86	10	11	.11300	86.96	10.569	1.75375	1.550	1.202	
*S BEGIN THE AREA NORTH OF CENTRAL AVENUE BETWEEN UNSER AND THE WEST 66										
*S ADDITION										
COMPUTE NM HYD	240.10	-	2	.03330	58.74	2.655	1.49503	1.550	2.756	PER IMP=35.00
ROUTE	240.11	2	3	.03330	56.78	2.655	1.49504	1.600	2.664	
COMPUTE NM HYD	240.20	-	4	.01250	25.65	1.319	1.97801	1.550	3.206	PER IMP=71.00
ADD HYD	240.21	4& 3	5	.04580	80.95	3.974	1.62683	1.550	2.762	
ROUTE	240.22	5	15	.04580	80.73	3.974	1.62685	1.600	2.754	
COMPUTE NM HYD	240.30	-	3	.00800	12.85	.577	1.35161	1.550	2.509	PER IMP=25.00
ROUTE	240.31	3	4	.00800	12.27	.577	1.35166	1.600	2.397	
ADD HYD	240.32	4&15	16	.05380	93.00	4.550	1.58590	1.600	2.701	
COMPUTE NM HYD	240.40	-	2	.02310	42.45	2.260	1.83425	1.600	2.871	PER IMP=60.00
ROUTE RESERVOIR	240.41	2	3	.02310	29.29	1.074	.87164	1.850	1.981	AC-FT=1.190
ADD HYD	240.42	3&16	15	.07690	93.00	5.624	1.37135	1.600	1.890	
COMPUTE NM HYD	240.50	-	4	.00930	24.26	1.133	2.28382	1.500	4.075	PER IMP=90.00
ADD HYD	240.51	4&15	16	.08620	110.29	6.757	1.46979	1.600	1.999	
ROUTE RESERVOIR	240.52	16	15	.08620	92.22	6.757	1.46979	1.700	1.672	AC-FT=.499
ROUTE	240.53	15	5	.08620	92.27	6.757	1.46978	1.700	1.673	
COMPUTE NM HYD	240.60	-	2	.00650	16.96	.792	2.28382	1.500	4.076	PER IMP=90.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = AB100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S BEGIN AREA SOUTH OF CENTRAL AVENUE BETWEEN UNSER AND AIRPORT										
ADD HYD	240.61	2& 5	3	.09270	100.86	7.549	1.52686	1.650	1.700	
ROUTE	240.62	3	4	.09270	87.46	7.549	1.52680	1.800	1.474	
COMPUTE NM HYD	250.10	-	2	.02470	33.20	1.650	1.25219	1.600	2.100	PER IMP=30.00
ADD HYD	250.11	4& 2	3	.11740	110.19	9.198	1.46902	1.750	1.466	
COMPUTE NM HYD	250.20	-	2	.00790	14.90	.599	1.42095	1.500	2.946	PER IMP=35.00
ADD HYD	250.21	3& 2	4	.12530	117.95	9.797	1.46599	1.700	1.471	
ROUTE	250.22	4	3	.12530	117.24	9.797	1.46597	1.750	1.462	
COMPUTE NM HYD	260.10	-	2	.03980	33.14	1.099	.51796	1.550	1.301	PER IMP=2.00
ADD HYD	260.11	3& 2	4	.16510	134.74	10.896	1.23743	1.700	1.275	
ROUTE	260.12	4	2	.16510	134.85	10.896	1.23743	1.700	1.276	
ROUTE	260.13	2	4	.16510	135.42	10.896	1.23743	1.700	1.282	
COMPUTE NM HYD	270.10	-	3	.02220	21.27	.637	.53787	1.500	1.497	PER IMP=3.00
ADD HYD	270.11	3& 4	4	.18730	145.80	11.533	1.15451	1.650	1.216	
ADD HYD	260.13	4&11	10	.30030	222.26	22.102	1.38000	1.650	1.156	
COMPUTE NM HYD	270.20	-	3	.00710	17.98	.819	2.16311	1.500	3.957	PER IMP=85.00
ADD HYD	270.23	10& 3	4	.30740	231.93	22.921	1.39809	1.650	1.179	
ROUTE	270.24	4	10	.30740	232.30	22.920	1.39800	1.650	1.181	
COMPUTE NM HYD	280.10	-	2	.00660	6.59	.203	.57768	1.500	1.560	PER IMP=5.00
ADD HYD	280.11	10& 2	3	.31400	236.24	23.123	1.38075	1.650	1.176	
COMPUTE NM HYD	280.20	-	4	.00250	6.34	.288	2.16311	1.500	3.963	PER IMP=85.00
ADD HYD	280.21	3& 4	5	.31650	239.65	23.411	1.38693	1.650	1.183	
COMPUTE NM HYD	280.30	-	6	.00450	8.64	.359	1.49614	1.500	2.998	PER IMP=50.00
ADD HYD	280.31	5& 6	7	.32100	244.42	23.770	1.38846	1.650	1.190	
ROUTE	280.32	7	10	.32100	245.00	23.768	1.38834	1.650	1.193	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = AB100E1B.DAT

RUN DATE (MON/DAY/YR) =05/14/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	290.10	-	2	.03144	28.78	.848	.50557	1.500	1.430	PER IMP=2.00
ADD HYD	290.12	10& 2	3	.35244	262.36	24.616	1.30959	1.650	1.163	
ROUTE	290.13	3	4	.35244	263.12	24.615	1.30955	1.650	1.166	
ROUTE	290.14	4	10	.35244	263.57	24.614	1.30946	1.650	1.169	
COMPUTE NM HYD	290.20	-	2	.00690	17.48	.796	2.16311	1.500	3.958	PER IMP=85.00
ADD HYD	290.21	10& 2	3	.35934	273.11	25.410	1.32585	1.600	1.188	
ROUTE	290.22	3	4	.35934	273.20	25.409	1.32582	1.650	1.188	
ROUTE	290.23	4	5	.35934	273.87	25.408	1.32576	1.650	1.191	

*S HYD NO. 290.23 IS ***** AP 35.1 *****
FINISH

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME= .00
*S
*S AMOLE DEL NORTE WATERSHED
*S
*S
*S 100-YR, 24-HR STORM WITH SEDIMENT
*S FILE NAME: AN100E1B.DAT
*S BY: RICHARD STOCKTON PEER REVIEWED BY: DEBORAH DIXON
*S LAST REVISION: 05-15-96
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE TIERRA BAYITA
*S BASIN, TOWER/SAGE BASIN AND THE SOUTH AMOLE DEL NORTE BASIN. FLOWS FROM
*S THESE BASINS ARE CONVEYED TO AMOLE DETENTION FACILITY VIA THE AMOLE DEL
*S NORTE CHANNEL. THIS MODEL TAKES TWO INFLOW HYDROGRAPHS DERIVED FROM MODELS
*S FOR THE TIERRA BAYITA CHANNEL AND FROM THE UNSER DIVERSION/ATRISCO BUSINESS
*S PARK, RESPECTIVELY. THE TIERRA BAYITA MODEL WAS DEVELOPED BY GREINER (AND AC
*S BY THE CITY), TO DETERMINE THE SYSTEM CAPACITY OF ALL MAJOR FACILITIES WITHIN
*S TIERRA BAYITA BASIN. GREINER'S MODEL INCLUDES THE UNSER DIVERSION SYSTEM AND
*S SAD 214 POND MODIFICATIONS, AS DESIGNED BY EASTERLING AND ASSOCIATES (AND ACC
*S BY THE AMAFCA), BY RECALLING THE OUTFLOW HYDROGRAPH FROM THE UNSER DIVERSION
*S ADDITIONALLY, EASTERING'S MODEL INCLUDES THE ATRISCO BUSINESS PARK DEVELOPMEN
*S THE MODEL'S OUTFLALL IS INTO THE NORTH/SOUTH COORS DETENTION FACILITY, AS IS
*S THE TIERRA BAYITA CHANNEL. DUE TO THE NUMBER OF AVAILABLE STORED HYDROGRAPHS
*S (MAX=10) FOR THIS PROJECT, THE TIERRA BAYITA AND UNSER DIVERSION MODELS WERE
*S COMBINED.
*S

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

*S THE EXISTING CONDITION TOWER/SAGE BASIN IN THE RUN WAS DEVELOPED BY LH.
*S
*S INCLUDED IN THE SOUTH AMOLE DEL NORTE BASIN, IS THE SUNRISE ESTATES DEVELOPMEN
*S DEVELOPED BY FRED ARFMAN. THIS RUN WAS MODIFIED TO REFLECT EXISTING CONDITIO
*S THE REMAINED OF THE SOUTH AMOLE DEL NORTE BASIN MODEL WAS DEVELOPED BY LH AND
*S IS CONTAINED HEREIN.
*S
*S SINCE THE ABOVE MENTIONED MODELS WERE FOR DEVELOPED CONDITIONS, THE
*S MODELS WERE RENAMED AND MODIFIED TO REFLECT EXISTING CONDITIONS. LOCATIONS
*S OF THE INLETS INTO THE NORTH/SOUTH COORS DETENTION FACILITY AND THE AMOLE DEL
*S NORTE CHANNEL WERE DETERMINED FROM AS-BUILT DRAWINGS. BASIN DIVIDES WERE
*S DETERMINED FROM NOVEMBER 1995 AREIAL, TOPOGRAPHICAL MAPS AND PREVIOUS STUDIES
*S
*S NOTE: AN "E" (EXISTING) HAS BEEN PLACED IN FRONT OF EACH SUB-BASIN HYDROGRAPH
*S DESIGNATION DUE TO THE LIMITATIONS OF AHYMO.
*S
*S ANALYSIS ASSUMPTIONS:
*S 1. ALL LAND IN THIS BASIN IS MODELED AS EXISTING CONDITION.
*S
*S 2. EXISTING DEVELOPMENTS WITH RETENTION PONDS ARE MODELED TO DISCHARGE
*S FLOWS EQUIVALANT TO HISTORIC FLOW RATES. THIS IS ACHIEVED BY ADJUSTING
*S THE LAND TREATMENT FACTORS TO PRE-DEVELOPMENT NUMBERS.
*S
*S 3. IN BASIN 33006, THERE ARE TWO NATURAL DEPRESSIONS. THEY ARE MODELED AS
*S A SINGLE DETENTION BASIN.

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S										
*S 4. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL										
*S HYDROGRAPH COULD BE USED IN THE AMOLE ARROYO EXISTING CONDITIONS MODEL										
*S AA100E1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE & HUBBELL SY										
*S										
*S 5. A BULKING FACTOR OF 15% HAS BEEN ADDED TO EACH UNDEVELOPED SUB-BASIN AND										
*S A BULKING FACTOR OF 6% HAS BEEN ADDED TO EACH DEVELOPED SUB-BASIN LIKELY										
*S TO PRODUCE SEDIMENT. A BULKING FACTOR OF 3% HAS BEEN ADDED TO EACH										
*S DEVELOPED SUB-BASIN THAT WOULD PROBIBLY PRODUCE SEDIMENT, SUCH AS PARKS										
*S AND SCHOOL PLAY GROUNDS. AND, NO BULKING FACTOR FOR WELL DEFINED RESIDEN										
*S DEVELOPMENTS.										
*S										
*S100 YEAR 24HR STORM EXISTING CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
*S RECALL HYDROGRAPH FROM THE TIERRA BAYITA BASIN										
RECALL HYD	TB100E1B.HYD	-	2	3.06610	1467.02	111.571	.68229	1.700	.748	
*S RECALL HYDROGRAPH FROM THE ATRISCO BUSINESS PARK										
RECALL HYD	290.23	-	3	.35930	273.87	25.408	1.32590	1.650	1.191	
*S ADD THE TWO RECALLED HYDROGRAPHS										
ADD HYD	NPOND.IN	2& 3	4	3.42540	1728.36	136.979	.74980	1.700	.788	
*S ROUTE FLOWS THROUGH THE NORTH POND. PRIMARY SPILLWAY=24" PIPE										
*S AND OVER FLOW SPILLWAY IS WEIR FLOW INTO SOUTH POND.										
ROUTE RESERVOIR	NPOND.OUT	4	12	3.42540	1712.65	135.840	.74357	1.750	.781	AC-FT=6.791
*S BASINS 30413 TO 30416 ARE A PART OF THE TIERRA BAYITA BASIN, BUT DO NOT										
*S FLOW INTO THE TIERRA BAYITA CHANNEL. THE FLOW FROM THESE SUB-BASINS										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S (300** SERIES) GOES INTO THE SOUTH POND OF THE N/S COORS DETENTION FACILITY.										
*S THEREFORE, CALCULATE THE FLOW FROM THESE BASINS.										
*S BASIN 30413 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E30413	-	2	.10110	84.97	3.386	.62790	1.550	1.313	PER IMP=5.00
*S ROUTE THE COMBINED FLOWS TO 1100 FEET EAST OF 86TH STREET.										
ROUTE	E30413.5	2	11	.10110	51.92	3.386	.62791	1.700	.802	
*S BASIN 30414 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E30414	-	2	.13400	78.94	4.088	.57197	1.650	.920	PER IMP=2.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 30413.5 TO THE FLOW FROM SUB-BASIN 30414										
ADD HYD	E30414.1	11& 2	3	.23510	128.17	7.473	.59602	1.700	.852	
*S ROUTE THE COMBINED FLOWS TO STINSON STREET.										
ROUTE	E30414.5	3	11	.23510	57.46	7.471	.59581	1.950	.382	
*S BASIN 30415 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E30415	-	2	.11080	55.50	4.076	.68981	1.800	.783	PER IMP=4.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 30414.5 TO THE FLOW FROM SUB-BASIN 30415										
ADD HYD	E30415.1	11& 2	3	.34590	109.00	11.547	.62592	1.850	.492	
*S ROUTE THE COMBINED FLOWS TO THE SOUTH POND OF THE N/S COORS DET. FAC.										
ROUTE	E30415.5	3	11	.34590	101.25	11.547	.62590	1.950	.457	
*S BASIN 30416 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E30416	-	2	.06890	98.26	3.950	1.07489	1.550	2.228	PER IMP=14.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 30415.5 TO THE FLOW FROM SUB-BASIN 30416										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	E30416.1 11& 2		3	.41480	126.97	15.496	.70048	1.850	.478	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 30416.1 TO THE NORTH POND OUTFLOW										
ADD HYD	SPOND.IN 12& 3		4	3.84020	1833.96	151.337	.73891	1.750	.746	
*S ROUTE COMBINED FLOW THROUGH THE SOUTH POND WITH THE ROUTE RESERVOIR.										
*S THE FLOW FROM HYDROGRAPH SPOND.OUT IS AP36.										
ROUTE RESERVOIR	SPOND.OUT	4	12	3.84020	732.73	151.156	.73803	2.150	.298	AC-FT=42.733
*S HYD NO. SPOND.OUT IS ***** AP 36.1 *****										
DIVIDE HYD	TO.ADN	12	20	3.84020	732.73	151.156	.73803	2.150	.298	
	TO.COORS AND		50	.00000	.00	.000	.00000	-.050	.000	
*S THE FLOW FROM HYDROGRAPH TO.COORS IS THE FLOW SPILLING OUT OF THE										
*S NORTH/SOUTH COORS DETENTION FACILITY ONTO COORS ROAD.										
*S ROUTE THE OUTFLOW FROM THE NORTH/SOUTH COORS DETENTION FACILITY INTO										
*S THE AMOLE DEL NORTE CHANNEL TO SAN YGNACIO.										
ROUTE	BEGIN.ADN	20	12	3.84020	732.26	151.064	.73758	2.200	.298	
*S END TIERRA BAYITA BASIN										
*S BEGIN CALCULATION OF THE TOWER/SAGE BASIN (330** SERIES)										
*S BASIN 33001 IS CURRENTLY PARTIALLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E33001	-	2	.04830	54.85	2.419	.93905	1.550	1.774	PER IMP=17.00
*S ADD THE FLOW FROM BASIN 33001 TO THE FLOW IN THE AMOLE DEL NORTE AT SAN YGNAC										
ADD HYD	E33001.1 12& 2		3	3.88850	738.89	153.483	.74008	2.200	.297	
*S HYD NO. E33001.1 IS ***** AP 36 *****										
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM THE N/S COORS POND										
*S TO JUST UPSTREAM OF SAGE.										
ROUTE	E33001.5	3	12	3.88850	739.25	153.397	.73967	2.200	.297	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S BASIN 33002 IS CURRENTLY PARTIALLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E33002	-	2	.03440	39.15	1.446	.78822	1.550	1.778	PER IMP=6.00
*S ADD THE FLOW FROM BASIN 33002 TO THE FLOW IN THE AMOLE DEL NORTE AT SAGE										
ADD HYD	E33002.1	12& 2	3	3.92290	742.78	154.843	.74009	2.200	.296	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM SAGE TO JUST DOWNSTREAM										
*S OF THE SAGE CROSSING.										
ROUTE	E33002.5	3	12	3.92290	742.94	154.823	.73999	2.200	.296	
*S BASIN 33003 IS CURRENTLY PARTIALLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E33003	-	2	.02660	32.13	1.050	.74044	1.550	1.887	PER IMP=2.00
*S ROUTE THE FLOW TO SAGE AND THE AMOLE DEL NORTE CHANNEL.										
ROUTE	E33003.5	2	11	.02660	16.57	1.050	.74046	1.700	.973	
*S BASIN 33004 IS CURRENTLY PARTIALLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E33004	-	2	.05480	71.91	2.118	.72453	1.500	2.050	PER IMP=3.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 33003.5 TO THE FLOW FROM SUB-BASIN 33004										
ADD HYD	E33004.1	11& 2	3	.08140	79.94	3.168	.72972	1.550	1.535	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 33004.1 TO THE FLOW IN THE AMOLE DEL										
*S NORTE CHANNEL. THE FLOW ENTERS THE CHANNEL JUST DOWNSTREAM OF THE SAGE CROSS										
*S HYD NO. E33004.2 IS ***** AP 37 *****										
ADD HYD	E33004.2	12& 3	11	4.00430	754.26	157.991	.73979	2.200	.294	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM THE SAGE CROSSING										
*S TO JUST UPSTREAM OF THE ARENAL CROSSING.										
ROUTE	E33004.5	11	9	4.00430	750.44	157.799	.73889	2.250	.293	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S BASIN 33005 IS CURRENTLY PARTIALLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E33005	-	2	.08110	57.77	3.056	.70643	1.650	1.113	PER IMP=6.00
*S ROUTE THE FLOW FROM SUB-BASIN 33005 TO 200 FEET WEST OF 86TH STREEET.										
ROUTE	E33005.5	2	11	.08110	44.74	3.056	.70643	1.800	.862	
*S BASIN 33006 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E33006	-	2	.08660	84.36	2.763	.59817	1.550	1.522	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 33005.5 TO THE FLOW FROM SUB-BASIN 33006										
ADD HYD	E33006.1	11& 2	3	.16770	101.78	5.818	.65052	1.600	.948	
*S ROUTE THE COMBINED FLOWS IN SAN YGANICO TO THE NATURAL DEPRESSION										
*S IN SUB-BASIN 33007.										
ROUTE	E33006.5	3	11	.16770	43.66	5.818	.65052	1.900	.407	
*S BASIN 33007 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E33007	-	2	.33920	167.55	11.210	.61966	1.800	.772	PER IMP=2.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 33006.5 TO THE FLOW FROM SUB-BASIN 33007										
ADD HYD	E33007.1	11& 2	3	.50690	209.34	17.028	.62987	1.800	.645	
*S MODEL THE NATURAL DEPRESSION IN SUB-BASIN 33007 WITH THE ROUTE RESERVOIR										
ROUTE RESERVOIR	E33007.8	3	8	.50690	133.21	12.437	.46004	2.100	.411	AC-FT=6.656
*S BASIN 33008 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E33008	-	2	.01320	13.36	.468	.66433	1.550	1.582	PER IMP=5.00
*S BASIN 33009 IS CURRENTLY DEVELOPED WITH A DETENTION POND, THEREFORE MODEL										
*S AT HISTORIC OR PRE-DEVELOPMENT LEVELS.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S GENERATION OF SEDIMENT IS UNLIKELY, THEREFORE NO BULKING FACTOR										
COMPUTE NM HYD	E33009	-	3	.02310	21.91	.622	.50526	1.500	1.482	PER IMP=.00
*S ADD THE FLOW FROM SUB-BASIN 33008 TO THE FLOW FROM SUB-BASIN 33009										
ADD HYD	E33009.1	2& 3	4	.03630	34.63	1.090	.56309	1.550	1.491	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 33009.1 IN SAGE TO BLAZICK STREET										
*S										
ROUTE	E33009.5	4	11	.03630	30.69	1.090	.56312	1.600	1.321	
*S BASIN 33010 IS CURRENTLY DEVELOPED, BUT NO DETENTION POND, THEREFORE MODEL										
*S AS DEVELOPED WITH FREE DISCHARGE.										
*S GENERATION OF SEDIMENT IS UNLIKELY, THEREFORE NO BULKING FACTOR										
COMPUTE NM HYD	E33010	-	2	.01800	34.75	1.397	1.45482	1.500	3.017	PER IMP=34.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 33009.5 TO THE FLOW FROM SUB-BASIN 33010										
ADD HYD	E33009.1	11& 2	3	.05430	61.31	2.487	.85869	1.550	1.764	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 33009.1 IN SAGE FROM BLAZICK STREET										
*S TO 90TH STREET.										
ROUTE	E33010.5	3	11	.05430	60.72	2.487	.85872	1.600	1.747	
*S BASIN 33011 IS CURRENTLY DEVELOPED WITH A DETENTION POND, THEREFORE MODEL										
*S AT HISTORIC OR PRE-DEVELOPMENT LEVELS.										
*S GENERATION OF SEDIMENT IS UNLIKELY, THEREFORE NO BULKING FACTOR										
COMPUTE NM HYD	E33011	-	2	.03720	30.39	1.002	.50526	1.550	1.276	PER IMP=.00
*S ROUTE THE FLOW FROM SUB-BASIN 33011 IN SUNCREST ROAR, TO 90TH, THEN TO SAGE.										
ROUTE	E33011.5	2	12	.03720	29.17	1.003	.50530	1.600	1.225	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 33011.5 TO THE ROUTED FLOW										
*S FROM SUB-BASIN 33010.5										
ADD HYD	E33011.1	11&12	3	.09150	89.90	3.489	.71502	1.600	1.535	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ROUTE THE COMBINED ROUTED FLOW FROM SUB-BASIN 33011.5 IN SAGE										
*S FROM 90TH STREET TO 200 FEET WEST OF 86TH STREET.										
ROUTE	E33011.6	3	11	.09150	90.05	3.489	.71503	1.600	1.538	
*S BASIN 33012 IS CURRENTLY DEVELOPED WITH A DETENTION POND, THEREFORE MODEL										
*S AT HISTORIC OR PRE-DEVELOPMENT LEVELS.										
*S GENERATION OF SEDIMENT IS UNLIKELY, THEREFORE NO BULKING FACTOR										
COMPUTE NM HYD	E33012	-	2	.05330	31.25	1.436	.50526	1.600	.916	PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 33011.6 TO THE FLOW FROM SUB-BASIN 33012										
ADD HYD	E33012.1	11& 2	3	.14480	121.30	4.926	.63781	1.600	1.309	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 33012.1 IN SAGE FROM 200 FEET WEST										
*S OF 86TH STREET TO 500 FEET EAST OF UNSER (EXTENDED).										
ROUTE	E33012.5	3	11	.14480	86.59	4.926	.63781	1.750	.934	
*S ADD THE RESERVOIR ROUTED FLOW FROM SUB-BASIN 33007.8 TO THE ROUTED FLOW										
*S FROM SUB-BASIN 33012.5										
ADD HYD	E33012.3	8&11	12	.65170	171.89	17.363	.49954	2.050	.412	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 33012.3 ACROSS SAGE, DOWN A NATURAL										
*S ARROYO TO ARENAL AND THE AMOLE DEL NORTE CHANNEL.										
ROUTE	E33012.6	12	13	.65170	140.64	17.348	.49912	2.250	.337	
*S END TOWER/SAGE BASIN *** BEGIN SOUTH AMOLE DEL NORTE BASIN (350** SERIES)										
*S BASIN 35001 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E35001	-	2	.18000	178.05	5.729	.59676	1.550	1.546	PER IMP=1.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 33004.5 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE FLOW FROM SUB-BASIN 35001.										
ADD HYD	E35001.1	9& 2	3	4.18430	762.39	163.527	.73277	2.200	.285	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ADD THE COMBINED FLOW FROM SUB-BASIN 35001.1 TO THE ROUTED FLOW										
*S FROM SUB-BASIN 33012.6.										
ADD HYD	E35001.2	13& 3	9	4.83600	903.00	180.875	.70129	2.250	.292	
*S RECALL THE EXISTING CONDITIONS HYDROGRAPH FROM THE SUNRISE ESTATES MODEL.										
RECALL HYD	DN100E1B.DAT	-	2	.57580	725.60	28.880	.94044	1.550	1.969	
*S ADD THE RECALLED HYDROGRAPH TO THE COMBINED FLOW FROM SUB-BASIN 35001.2.										
*S THIS IS THE TOTAL FLOW IN THE AMOLE DEL NORTE.										
*S HYD NO. E35001.3 IS ***** AP 38 *****										
ADD HYD	E35001.3	9& 2	3	5.41180	1031.63	209.756	.72673	1.600	.298	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM THE ARENAL CROSSING										
*S TO THE 5400 FEET NORTH OF THE AMOLE DETENTION FACILITY.										
ROUTE	E35001.5	3	11	5.41180	1013.26	209.632	.72630	1.600	.293	
*S BASIN 35208 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										
COMPUTE NM HYD	E35208	-	2	.07330	70.35	3.316	.84817	1.550	1.500	PK BF =1.15 PER IMP=15.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35001.5 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE FLOW FROM SUB-BASIN 35208.										
ADD HYD	E35208.1	11& 2	3	5.48510	1083.10	212.948	.72793	1.600	.309	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM 5362 FEET NORTH OF										
*S THE AMOLE DETENTION FACILITY TO 4807 _FEET NORTH OF THE AMOLE DETENTION FACIL										
ROUTE	E35208.5	3	11	5.48510	1073.80	212.902	.72777	1.600	.306	
*S BASIN 35209 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										
COMPUTE NM HYD	E35209	-	2	.04070	28.35	1.124	.51779	1.600	1.088	PK BF =1.15 PER IMP=.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35208.5 (TOTAL FLOW IN AMOLE DEL NORTE										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S CHANNEL) TO THE FLOW FROM SUB-BASIN 35209.										
ADD HYD	E35209.1	11& 2	3	5.52580	1102.15	214.026	.72623	1.600	.312	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM 4807 FEET NORTH OF										
*S THE AMOLE DETENTION FACILITY TO 3625 FEET NORTH OF THE AMOLE DETENTION FACILI										
ROUTE	E35209.5	3	12	5.52580	1073.21	213.899	.72580	1.700	.303	
*S BASIN 35301 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E35301	-	2	.14200	120.28	5.031	.66433	1.600	1.323	PER IMP=5.00
*S ROUTE THE FLOW FROM SUB-BASIN 35301 TO 3625 FEET NORTH										
*S OF THE AMOLE DETENTION FACILITY.										
ROUTE	E35301.5	2	11	.14200	89.69	5.031	.66433	1.700	.987	
*S BASIN 35302 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E35302	-	2	.16360	128.37	5.691	.65226	1.600	1.226	PER IMP=3.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35301.5 TO THE FLOW FROM SUB-BASIN 35302.										
ADD HYD	E35302.1	11& 2	3	.30560	209.16	10.722	.65787	1.650	1.069	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35209.5 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE COMBINED FLOW FROM SUB-BASIN 35302.1.										
ADD HYD	E35302.2	12& 3	4	5.83140	1281.04	224.622	.72224	1.650	.343	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM 3625 FEET NORTH OF										
*S THE AMOLE DETENTION FACILITY TO 2125 FEET NORTH OF THE AMOLE DETENTION FACILI										
ROUTE	E35302.5	4	12	5.83140	1249.75	224.479	.72178	1.750	.335	
*S BASIN 35303 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	E35303	-	2	.09640	81.25	2.827	.54987	1.550	1.317	PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ROUTE THE FLOW FROM SUB-BASIN 35303 TO 2300 FEET NORTH										
*S OF THE AMOLE DETENTION FACILITY.										
ROUTE	E35303.5	2	11	.09640	61.52	2.827	.54989	1.650	.997	
*S BASIN 35304 IS CURRENTLY DEVELOPED WITH MINIMAL VEGETATION.										
SEDIMENT BULK										
										PK BF =1.06
COMPUTE NM HYD	E35304	-	2	.09850	224.56	10.322	1.96478	1.500	3.562	PER IMP=60.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35303.5 TO THE FLOW FROM SUB-BASIN 35304.										
ADD HYD	E35304.1	11& 2	3	.19490	261.13	13.149	1.26495	1.550	2.093	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35302.5 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE COMBINED FLOW FROM SUB-BASIN 35302.1.										
ADD HYD	E35304.2	12& 3	4	6.02630	1430.32	237.628	.73935	1.700	.371	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM 2125 FEET NORTH OF										
*S THE AMOLE DETENTION FACILITY TO 1325 FEET NORTH OF THE AMOLE DETENTION FACILI										
ROUTE	E35304.5	4	12	6.02630	1413.51	237.558	.73913	1.700	.366	
*S BASIN 35305 IS CURRENTLY UNDEVELOPED										
SEDIMENT BULK										
										PK BF =1.15
COMPUTE NM HYD	E35305	-	2	.08410	59.19	2.381	.53091	1.600	1.100	PER IMP=.00
*S ROUTE THE FLOW FROM SUB-BASIN 35305 TO 1100 FEET NORTH										
*S OF THE AMOLE DETENTION FACILITY.										
ROUTE	E35305.5	2	11	.08410	47.13	2.381	.53093	1.700	.876	
*S BASIN 35306 IS CURRENTLY PARTIALY DEVELOPED WITH MINIMAL VEGETATION.										
SEDIMENT BULK										
										PK BF =1.06
COMPUTE NM HYD	E35306	-	2	.09480	156.41	5.553	1.09826	1.550	2.578	PER IMP=3.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35305.5 TO THE FLOW FROM SUB-BASIN 35306.										
ADD HYD	E35306.1	11& 2	3	.17890	182.85	7.934	.83155	1.600	1.597	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =06/06/1996
INPUT FILE = AN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35304.5 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE COMBINED FLOW FROM SUB-BASIN 35306.1.										
ADD HYD	E35304.2 12&	3	4	6.20520	1561.36	245.492	.74179	1.700	.393	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM 1325 FEET NORTH OF										
*S THE AMOLE DETENTION FACILITY TO THE AMOLE DETENTION FACILITY.										
ROUTE	E35306.5	4	12	6.20520	1524.45	245.382	.74146	1.750	.384	
*S BASIN 35307 IS CURRENTLY PARTIALY DEVELOPED WITH MINIMAL VEGETATION.										
SEDIMENT BULK										PK BF =1.06
COMPUTE NM HYD	E35307	-	2	.09730	147.14	6.828	1.31574	1.600	2.363	PER IMP=20.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35306.5 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE FLOW FROM SUB-BASIN 35307.										
*S HYD NO. AN100E1B.HYD IS ***** AP 39 *****										
ADD HYD	AN100E1B.HYD 12&	2	3	6.30250	1634.64	252.210	.75033	1.700	.405	
*S THE COMBINED FLOW FROM SUB-BASIN AN100E1B IS THE TOTAL FLOW INTO THE AMOLE										
*S DETENTION FACILITY.										
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = DN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00
*S
*S NORTH END OF SOUTH AMOLE DEL NORTE (SUNRISE ESTATES)
*S
*S
*S 100-YR, 24-HR STORM WITH SEDIMENT
*S FILE NAME: DN100E1B.DAT
*S BY: RICHARD STOCKTON PEER REVIEW: D. DIXON
*S LAST REVISION: 05-14-96
*S**********
*S
*S THIS FILE WAS OBTAINED BY LH FROM FRED ARFMAN ON JAN 3, 1996 FOR OUR USE IN
*S THE AMOLE DMP. THIS FILE REFLECTS EXISTING CONDITIONS OF THE NORTHLY HALF
*S OF THE SOUTH AMOLE DEL NORTE BASIN OF THE AMOLE DEL NORTE WATERSHED.
*S THIS FLIE HAS BEEN RENAMED FROM SUNRISE.DAT TO DN100E1A.DAT INDICATING THE
*S 100YR, 24HR EVENT UNDER EXISTING CONDITIONS.
*S
*S NOTE THAT IN THIS RUN A LINE WITH **LH** HAS BEEN ADDED TO INDICATE WHERE
*S LAND USE FACTORS HAVE BEEN CHANGED TO REFLECT EXISTING CONDITIONS.
*S
*S THE SAVE HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL
*S HYDROGRAPH COULD BE USED IN THE ANALYSIS OF THE AMOLE DEL NORTE SYSTEM.
*S
*S**********
*S100 YEAR 24HR STORM EXISTING CONDITION
RAINFALL TYPE= 2 RAIN24=2.660

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = DN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S BASIN 100 IS CURRENTLY UNDEVELOPED, ASSUME FUTURE DEVELOPMENT WILL										
*S BE @ A DENSITY OF 4 DU/AC										
COMPUTE NM HYD	100.00	-	1	.07150	59.10	1.675	.43936	1.500	1.291	PER IMP=.00
*S BASIN 101 IS FULLY DEVELOPED WITH SINGLE FAMILY RESIDENTIAL HOMES										
*S WITH A DENSTIY OF 4 DU/AC										
COMPUTE NM HYD	101.00	-	2	.03700	76.17	2.945	1.49238	1.500	3.217	PER IMP=42.00
ADD HYD	101.01	1& 2	3	.10850	135.26	4.620	.79845	1.500	1.948	
*S **AREA 102 IS A MIDDLE SCHOOL (ONSITE DETENTION TO REDUCE RUNOFF)										
COMPUTE NM HYD	102.00	-	4	.04000	32.91	.937	.43936	1.500	1.286	PER IMP=.00
*S ROUTE THE SCHOOL'S RUNOFF IN A 28' F-F RESIDENTIAL STREET, S=2%										
*S ASSUME SECTION EXTENDS TO THE ROW LINE ON BOTH SIDES										
ROUTE	102.10	4	5	.04000	33.70	.937	.43939	1.550	1.316	
*S ADD THE ROUTED FLOW FROM 102 TO THE EARLIER TOTAL										
ADD HYD	102.30	3& 5	6	.14850	162.81	5.558	.70173	1.500	1.713	
*S **BASIN 103 IS COMPLETELY DEVELOPED										
COMPUTE NM HYD	103.00	-	7	.04400	90.58	3.502	1.49238	1.500	3.217	PER IMP=42.00
*S ADD 103 TO TOTAL										
ADD HYD	103.10	6& 7	8	.19250	253.39	9.060	.88245	1.500	2.057	
*S **ASSUME FLOW IS ROUTED IN 28' STREET AS EARLIER										
ROUTE	103.20	8	9	.19250	242.77	9.060	.88245	1.550	1.971	
*S **AREA 104 IS FULLY DEVELOPED										
COMPUTE NM HYD	104.00	-	10	.04400	90.58	3.502	1.49238	1.500	3.217	PER IMP=42.00
*S ADD THE FLOW TO THE TOTAL										
ADD HYD	104.01	9&10	11	.23650	323.90	12.562	.99592	1.550	2.140	
*S AREA 105 IS A PARK & COA WELL SITE										
COMPUTE NM HYD	105.00	-	12	.02100	28.93	.884	.78962	1.500	2.153	PER IMP=7.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = DN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	105.10	11&12	13	.25750	351.02	13.446	.97910	1.550	2.130	
*S ROUTE THE FLOW TO THE EXISTING END OF SAPPHIRE ST.										
ROUTE	105.20	13	14	.25750	321.90	13.446	.97910	1.600	1.953	
*S AREA 106 IS FULLY DEVELOPED										
COMPUTE NM HYD	106.00	-	15	.02500	51.47	1.990	1.49238	1.500	3.217	PER IMP=42.00
*S **TOTAL FLOW IN SAPPHIRE ST AT ANANLYSIS POINT A										
ADD HYD	106.10	14&15	16	.28250	358.26	15.436	1.02452	1.600	1.982	
*S DIVIDE HYDROGRAPH FOR STREET FLOW & SD FLOW										
DIVIDE HYD	106.20	16	5	.14572	72.00	7.962	1.02452	1.400	.772	
	106.30	AND	6	.13678	286.26	7.474	1.02452	1.600	3.270	
*S **ROUTE 72 CFS IN SAPPHIRE ST TO THE END SUNRISE ESTATES UNIT 1										
ROUTE	106.40	5	7	.14572	74.47	7.962	1.02452	1.500	.799	
*S **ROUTE REMANING FLOW IN 66" SD THRU SUNRISE ESTATES UNIT 1										
ROUTE	106.50	6	8	.13678	288.56	7.474	1.02457	1.600	3.296	
*S **ADD THE FLOWS BACK TOGETHER FOR A TOTAL Q										
ADD HYD	106.60	7& 8	9	.28250	360.50	15.436	1.02454	1.600	1.994	
*S **BASINS 200,201, & 202 DRAIN TO KIMELA DR										
COMPUTE NM HYD	200.00	-	17	.05300	109.10	4.218	1.49238	1.500	3.216	PER IMP=42.00
*S **ROUTE FLOW TO THE END OF KIMELA DR.										
ROUTE	200.10	17	18	.05300	106.21	4.218	1.49239	1.500	3.131	
COMPUTE NM HYD	201.00	-	1	.02600	53.53	2.069	1.49238	1.500	3.217	PER IMP=42.00
ADD HYD	201.10	1&18	18	.07900	159.73	6.288	1.49237	1.500	3.159	
*S **BASIN 202 IS AN ELEMENTARY SCHOOL,(ONSITE DETENTION TO REDUCE RUNOFF)										
COMPUTE NM HYD	202.00	-	19	.01300	10.70	.305	.43936	1.500	1.286	PER IMP=.00
*S **ADD THE BASINS TOGETHER TO GET THE FLOW IN KIMELA DR @ ANALYSIS PT B										
ADD HYD	202.10	18&19	20	.09200	170.43	6.592	1.34358	1.500	2.895	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = DN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S DIVIDE HYDROGRAPH FOR STREET FLOW & SD FLOW										
DIVIDE HYD	202.20	20	11	.07165	72.00	5.134	1.34358	1.400	1.570	
	202.30	AND	12	.02035	98.43	1.458	1.34358	1.500	7.558	
*S **ROUTE 72 CFS IN EXTENDED KIMELA DR TO THE PROPOSED UNSER RD										
ROUTE	202.40	11	13	.07165	74.65	5.134	1.34359	1.500	1.628	
*S **ROUTE REMANING FLOW IN 48" SD TO UNSER										
ROUTE	202.50	12	14	.02035	100.78	1.459	1.34396	1.550	7.739	
*S **ADD THE FLOWS BACK TOGETHER FOR A TOTAL Q										
ADD HYD	202.60	13&14	15	.09200	173.53	6.593	1.34365	1.550	2.947	
*S **BASIN 300 DRAINS TO ANALYSIS PT C, IT IS CURRENTLY UNDEVELOPED										
COMPUTE NM HYD	300.00	-	1	.02890	23.78	.677	.43936	1.500	1.286	PER IMP=.00
*S **BASINS 400 THRU 407 ARE CURRENTLY UNDEVELOPED, FOR PURPOSES										
*S OF THIS REPORT, ASSUME ALL BASINS WILL BE BUILT OUT @ THIER CURRENT										
*S ZONING										
COMPUTE NM HYD	400.00	-	2	.04270	35.13	1.001	.43936	1.500	1.285	PER IMP=.00
*S **BASIN 401 IS PHASE I OF SUNRISE ESTATES										
COMPUTE NM HYD	401.00	-	3	.03800	78.23	3.025	1.49238	1.500	3.217	PER IMP=42.00
*S ADD FLOW FROM BASIN 300										
ADD HYD	401.10	1& 3	3	.06690	102.00	3.702	1.03748	1.500	2.382	
*S **ADD BASIN 401 TO THE TOTAL FLOW IN SAPPHIRE ST										
ADD HYD	401.20	3& 9	4	.34940	437.44	19.138	1.02702	1.550	1.956	
*S **BASIN 402 IS UNIT 2 OF SUNRISE ESTATES										
COMPUTE NM HYD	402.00	-	5	.05200	42.78	1.218	.43936	1.500	1.285	PER IMP=.00
*S **ADD BASIN 402 TO THE TOTAL FLOW @ THE END OF EXTENDED KIMELA										
ADD HYD	402.10	5&15	6	.14400	215.11	7.811	1.01710	1.550	2.334	
*S **ASSUME BASINS 403 THRU 407 WILL DEVELOP @ 4 DU/AC										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/14/1996
INPUT FILE = DN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	403.00	-	7	.01480	12.18	.347	.43936	1.500	1.286	PER IMP=.00
*S **ADD FLOW TO THAT IN SAPPHIRE ST										
ADD HYD	403.10	4& 7	8	.36420	449.28	19.485	1.00314	1.550	1.928	
COMPUTE NM HYD	404.00	-	9	.01080	8.89	.253	.43936	1.500	1.286	PER IMP=.00
*S **ADD FLOW TO THAT IN KIMELA DR										
ADD HYD	404.10	6& 9	10	.15480	223.78	8.064	.97679	1.500	2.259	
*S **BASIN 405 DRAINS TO THE SOUTH										
COMPUTE NM HYD	405.00	-	11	.01410	11.60	.330	.43936	1.500	1.286	PER IMP=.00
*S **ADD 400 & 405										
ADD HYD	405.10	2&11	11	.05680	46.73	1.331	.43936	1.500	1.286	
*S **ADD TO FLOW IN SAPPHIRE										
ADD HYD	405.10	8&11	12	.42100	494.70	20.816	.92708	1.550	1.836	
*S ROUTE FLOW IN KIMELA UP TO TOTAL FLOW @ SAPPHIRE & ARENAL										
ROUTE	404.30	10	2	.15480	230.90	8.064	.97680	1.550	2.331	
*S **ADD THE FLOWS BACK TOGETHER FOR A TOTAL Q										
*S HYD NO. DN100E1B.HYD IS ***** AP 38.1 *****										
ADD HYD	DN100E1B.DAT	2&12	3	.57580	725.60	28.880	.94044	1.550	1.969	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = TB100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME=.00
*S										
*S TIERRA BAYITA BASIN										
*S										
*S										
*S 100-YR, 24-HR STORM WITH SEDIMENT										
*S FILE NAME: TB100E1B.DAT										
*S BY: RICHARD STOCKTON PEER REVIEW BY: TOM BLAINE										
*S LAST REVISION: 05-14-96										
*S THIS FILE WAS OBTAINED BY LH FROM GREINER ON MAR 5, 1996 FOR OUR USE IN THE										
*S AMOLE DMP. THIS FILE REFLECTED DEVELOPED CONDITIONS OF THE TIERRA BAYITA										
*S BASIN OF THE AMOLE DEL NORTE WATERSHED. THIS FILE HAS BEEN MODIFIED TO CREATE										
*S AN EXISTING CONDITIONS MODEL. THE FILE HAS BEEN RENAMED FROM										
*S AMOLE.DAT TO TB100E1B.DAT INDICATING THE 100YR, 24HR EVENT UNDER EXISTING										
*S CONDITIONS. THE ORIGINAL FILE WAS FOR DEVELOPED CONDITIONS, THEREFORE										
*S THIS MODEL HAS MODIFIED LAND TREATMENTS TO REFLECT EXISTING CONDITIONS										
*S BASED ON NOV 1995 AERIAL PHOTOS AND TOPOGRAPHY.										
*S100 YEAR 24HR STORM EXISTING CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
*S ALL FLOWS INCLUDE A 15% BULKING FACTOR										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	3U	-	2	.13130	135.34	4.019	.57386	1.550	1.611	PER IMP=.00
ROUTE	3U.5	2	5	.13130	125.29	4.019	.57388	1.600	1.491	
COMPUTE NM HYD	10U	-	10	.03360	40.13	1.296	.72348	1.500	1.866	PER IMP=8.00
ADD HYD	10U.1	5&10	3	.16490	156.30	5.315	.60435	1.600	1.481	
COMPUTE NM HYD	4U	-	2	.22500	225.96	6.886	.57384	1.550	1.569	PER IMP=3.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = TB100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	4U.5	2	5	.22500	223.69	6.886	.57385	1.550	1.553	
COMPUTE NM HYD	11U	-	11	.02500	29.20	.978	.73387	1.500	1.825	PER IMP=10.00
ADD HYD	11U.1	5&11	4	.25000	251.27	7.865	.58984	1.550	1.570	
COMPUTE NM HYD	5U.6U	-	2	.05250	54.33	1.671	.59670	1.500	1.617	PER IMP=4.00
ADD HYD	10.10	3& 4	1	.41490	406.89	13.180	.59561	1.550	1.532	
ADD HYD	10.20	1& 2	3	.46740	459.02	14.850	.59573	1.550	1.534	
ROUTE	R1	3	2	.46740	361.39	14.850	.59573	1.650	1.208	
COMPUTE NM HYD	12U	-	12	.24070	186.97	7.234	.56351	1.600	1.214	PER IMP=2.00
*S HYD NO. R12 IS ***** AP 32 *****										
ADD HYD	R12	12& 2	3	.70810	533.23	22.084	.58478	1.650	1.177	
ROUTE	RR12	3	4	.70810	540.73	22.084	.58478	1.650	1.193	
*S RECALL FLOW FROM AMOLE DEL NORTE PHASE IIIC - DETENTION BASINS										
RECALL HYD	98100E1B.HYD	-	10	1.05570	12.99	26.549	.47153	9.450	.019	
COMPUTE NM HYD	19D	-	19	.08970	79.05	2.964	.61957	1.550	1.377	PER IMP=5.00
ADD HYD	19.10	19&10	5	1.14540	81.91	29.513	.48313	1.550	.112	
ROUTE	R19.1	5	6	1.14540	55.20	29.353	.48051	1.700	.075	
ADD HYD	19.20	6& 4	7	1.85350	595.32	51.438	.52034	1.650	.502	
ROUTE	19.30	7	8	1.85350	595.60	51.377	.51973	1.650	.502	
COMPUTE NM HYD	16N	-	16	.03340	95.22	4.134	2.32046	1.500	4.455	PER IMP=72.00
ADD HYD	16.10	16& 8	9	1.88690	646.96	55.510	.55160	1.650	.536	
ROUTE	16.20	9	1	1.88690	649.26	55.470	.55121	1.650	.538	
COMPUTE NM HYD	17W	-	17	.08020	70.34	2.842	.66433	1.550	1.370	PER IMP=5.00
ADD HYD	17.10	17& 1	2	1.96710	710.72	58.312	.55582	1.650	.565	
ROUTE	17.20	2	3	1.96710	711.76	58.255	.55528	1.700	.565	
ROUTE	17.30	3	4	1.96710	721.96	58.228	.55502	1.700	.573	
COMPUTE NM HYD	21N	-	21	.02020	22.25	.690	.64063	1.500	1.721	PER IMP=5.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = TB100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	21.10	21& 4	5	1.98730	731.95	58.918	.55589	1.700	.575	
ROUTE	21.20	5	6	1.98730	704.56	58.805	.55482	1.750	.554	
*S UNSER BOULEVARD FLOWS TO CHANNEL										
*S CALCULATE FLOW FROM NORTH										
RECALL HYD	UN100E1B.HYD	-	2	.30620	133.57	13.454	.82386	1.600	.682	
ROUTE	R2	2	3	.30620	134.24	13.454	.82386	1.650	.685	
ROUTE	R3	3	4	.30620	135.01	13.454	.82386	1.650	.689	
COMPUTE NM HYD	3U	-	13	.16640	163.87	7.717	.86950	1.600	1.539	PER IMP=15.00
ROUTE	R13	13	5	.16640	165.19	7.717	.86950	1.600	1.551	
ADD HYD	13.10	5& 4	5	.47260	289.12	21.171	.83993	1.650	.956	
COMPUTE NM HYD	17E	-	17	.06510	71.74	2.224	.64063	1.500	1.722	PER IMP=5.00
ADD HYD	17.10	17& 5	7	.53770	342.65	23.395	.81580	1.600	.996	
ROUTE	R6	7	8	.53770	334.69	23.395	.81580	1.650	.973	
*S HYD NO. CHANNEL IS ***** AP 34 *****										
ADD HYD	CHANNEL	8& 6	9	2.52500	1011.49	82.200	.61040	1.700	.626	
*S CALCULATE FLOW FROM SOUTH THAT EMPTIES TO THE CHANNEL AT UNSER BLVD.										
COMPUTE NM HYD	16S	-	16	.11630	174.17	6.251	1.00773	1.500	2.340	PER IMP=20.00
COMPUTE NM HYD	20U	-	20	.13270	127.25	4.385	.61956	1.550	1.498	PER IMP=5.00
ADD HYD	1620.00	16&20	1	.24900	294.68	10.635	.80086	1.500	1.849	
ROUTE	20.10	1	2	.24900	242.64	10.635	.80086	1.600	1.523	
COMPUTE NM HYD	21W	-	21	.11430	91.36	3.777	.61957	1.550	1.249	PER IMP=5.00
ADD HYD	21.10	2&21	3	.36330	333.36	14.412	.74382	1.600	1.434	
ROUTE	16.20	3	4	.36330	331.25	14.412	.74382	1.600	1.425	
ADD HYD	CHANNEL	4& 9	5	2.88830	1295.65	96.612	.62718	1.700	.701	
*S ROUTE FLOW DOWN CONCRETE TRAPAZOIDAL CHANNEL PARALLEL TO BRIDGE BLVD.										
ROUTE	R5	5	6	2.88830	1282.85	96.548	.62676	1.700	.694	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = TB100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	18W	-	18	.11220	256.00	12.922	2.15937	1.550	3.565	PER IMP=68.00
ADD HYD	18.10	18& 6	7	3.00050	1445.47	109.469	.68407	1.700	.753	
ROUTE	R7	7	8	3.00050	1442.84	109.443	.68390	1.700	.751	
COMPUTE NM HYD	21E	-	21	.06560	69.43	2.168	.61957	1.500	1.654	PER IMP=5.00
ADD HYD	21.10	21& 8	9	3.06610	1474.23	111.610	.68253	1.700	.751	
ROUTE	R9	9	10	3.06610	1472.80	111.593	.68242	1.700	.751	
*S HYD NO. TB100E1B.HYD IS ***** AP			35	*****						
ROUTE	TB100E1B.HYD	10	12	3.06610	1467.02	111.571	.68229	1.700	.748	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = UN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME=.00
*S										
*S UNSER DIVERSION AND SAD 214 POND										
*S										
*S										
*S 100-YR, 24-HR STORM WITH SEDIMENT										
*S FILE NAME: UN100E1B.DAT										
*S BY: RICHARD STOCKTON PEER REVIEWED BY: CLINT DODGE										
*S LAST REVISION: 05-14-96										
*S**********										
START										TIME=.00
*S100 YEAR 24HR STORM EXISTING CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
*S BEGIN UNSER BOULEVARD STORM DRAIN SYSTEM BETWEEN I-40 AND THE FUTURE TIERRA										
*S ALL FLOWS INCLUDE A 15% BULKING FACTOR										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	170.10	-	2	.06330	50.36	1.776	.52620	1.550	1.243	PER IMP=.00
*S NO BULKING FACTOR ON PAVED AREAS										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	170.30	-	3	.00370	9.85	.451	2.28382	1.500	4.158	PER IMP=90.00
ADD HYD	170.31	2& 3	2	.06700	58.96	2.227	.62326	1.550	1.375	
*S FLOWS INCLUDE A 6% BULKING FACTOR										
SEDIMENT BULK										PK BF =1.06
COMPUTE NM HYD	170.20	-	3	.00770	15.30	.597	1.45295	1.500	3.105	PER IMP=40.00
ADD HYD	170.21	3& 2	2	.07470	72.76	2.824	.70878	1.550	1.522	
*S FLOWS INCLUDE A 6% BULKING FACTOR										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = UN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
SEDIMENT BULK										PK BF =1.06
COMPUTE NM HYD	170.40	-	3	.00600	13.32	.555	1.73293	1.500	3.469	PER IMP=55.00
ADD HYD	170.41	2& 3	5	.08070	84.64	3.378	.78492	1.550	1.639	
DIVIDE HYD	170.42	5	2	.06353	41.00	2.660	.78492	1.450	1.008	
	170.43	AND	11	.01717	43.64	.719	.78492	1.550	3.971	
ROUTE	170.44	2	1	.06353	41.55	2.660	.78496	1.450	1.022	
ROUTE	170.45	1	3	.06353	42.36	2.660	.78496	1.500	1.042	
*S NO BULKING FACTOR ON PAVED AREAS										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	170.50	-	2	.00290	7.14	.321	2.07506	1.500	3.848	PER IMP=80.00
ADD HYD	170.51	2& 3	4	.06643	49.50	2.981	.84126	1.500	1.164	
ROUTE	170.52	11	2	.01717	41.77	.719	.78537	1.550	3.801	
ADD HYD	170.52	4& 2	1	.08360	88.46	3.700	.82978	1.550	1.653	
ROUTE	170.55	1	3	.08360	87.75	3.700	.82979	1.600	1.640	
*S NO BULKING FACTOR ON PAVED AREAS										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	170.60	-	2	.00180	4.44	.199	2.07506	1.500	3.853	PER IMP=80.00
ADD HYD	170.61	2& 3	4	.08540	90.78	3.899	.85602	1.600	1.661	
*S ALL FLOWS INCLUDE A 15% BULKING FACTOR										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	170.70	-	1	.08590	58.83	2.353	.51360	1.600	1.070	PER IMP=.00
*S NO BULKING FACTOR ON PAVED AREAS										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	170.80	-	2	.00540	14.36	.658	2.28383	1.500	4.155	PER IMP=90.00
ADD HYD	170.81	1& 2	5	.09130	70.09	3.011	.61830	1.550	1.199	
ADD HYD	170.82	4& 5	2	.17670	159.67	6.910	.73319	1.550	1.412	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = UN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S NO BULKING FACTOR ON PAVED AREAS										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	170.90	-	3	.00470	11.56	.520	2.07507	1.500	3.844	PER IMP=80.00
ADD HYD	170.91	3& 2	4	.18140	169.83	7.430	.76796	1.550	1.463	
DIVIDE HYD	170.92	4	2	.14916	92.00	6.109	.76796	1.450	.964	
	170.93	AND	10	.03224	77.83	1.320	.76796	1.550	3.772	
DIVIDE HYD	170.95	10	11	.02492	48.00	1.021	.76796	1.500	3.009	
	170.94	AND	3	.00732	29.83	.300	.76796	1.550	6.369	
ROUTE	170.96	3	4	.00732	25.07	.300	.76901	1.600	5.353	
ROUTE	170.97	2	3	.14916	96.45	6.109	.76796	1.500	1.010	
*S NO BULKING FACTOR ON PAVED AREAS										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	171.10	-	2	.00210	5.48	.252	2.25115	1.500	4.078	PER IMP=90.00
ADD HYD	171.11	4& 2	5	.00942	28.78	.552	1.09941	1.600	4.775	
ADD HYD	171.12	3& 5	2	.15858	121.18	6.661	.78764	1.600	1.194	
DIVIDE HYD	171.13	2	3	.15412	100.00	6.474	.78764	1.500	1.014	
	171.14	AND	9	.00446	21.18	.187	.78764	1.600	7.418	
ROUTE	171.15	3	10	.15412	101.02	6.474	.78765	1.500	1.024	
*S NO BULKING FACTOR ON PAVED AREAS										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	171.00	-	3	.00220	5.74	.264	2.25115	1.500	4.078	PER IMP=90.00
ROUTE	171.01	11	4	.02492	48.19	1.021	.76827	1.650	3.021	
ADD HYD	171.02	3& 4	2	.02712	51.68	1.285	.88852	1.600	2.977	
DIVIDE HYD	171.03	2	3	.01624	20.00	.769	.88852	1.500	1.925	
	171.04	AND	6	.01089	31.68	.516	.88852	1.600	4.548	
*S ALL FLOWS INCLUDE A 15% BULKING FACTOR										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =05/15/1996
INPUT FILE = UN100E1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	160.10	-	1	.05170	53.49	1.516	.54987	1.500	1.617	PER IMP=.00
*S ALL FLOWS INCLUDE A 15% BULKING FACTOR										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	160.20	-	2	.03500	67.92	2.643	1.41593	1.500	3.032	PER IMP=35.00
ADD HYD	160.21	1& 2	4	.08670	121.40	4.159	.89949	1.500	2.188	
ADD HYD	160.22	4& 3	2	.10294	141.40	4.929	.89776	1.500	2.146	
ROUTE	160.23	2	1	.10294	140.27	4.929	.89777	1.500	2.129	
ADD HYD	160.24	1&10	2	.25705	241.29	11.403	.83174	1.500	1.467	
*S ALL FLOWS INCLUDE A 15% BULKING FACTOR										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	180.10	-	1	.03380	39.47	1.323	.73387	1.500	1.825	PER IMP=10.00
ADD HYD	180.11	2& 1	3	.29085	280.76	12.726	.82036	1.500	1.508	
ROUTE RESERVOIR	180.12	3	10	.29085	92.07	12.751	.82199	1.900	.495	AC-FT=4.945
*S HYD NO. 180.12 IS ***** AP 33.1 *****										
ROUTE	180.13	10	2	.29085	92.07	12.751	.82200	1.900	.495	
ADD HYD	180.15	6& 9	1	.01535	52.86	.703	.85920	1.600	5.382	
ADD HYD	UN100E1B.HYD	2& 1	2	.30620	133.57	13.454	.82386	1.600	.682	
FINISH										

III-C DEVEX AHYMO Summary Files

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999

INPUT FILE = AA100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00

```
*S
*S      AMOLE ARROYO AND HUBBLE LAKE SYSTEM
*S
*S
*S 100-YR, 24-HR STORM WITH SEDIMENT
*S FILE NAME: AA100D1B.DAT
*S BY: RICHARD STOCKTON / KAREN JACOBSEN
*S LAST REVISION: 4-08-99 (PUNCH HYD ADN CHANGED. EFFECTIVE DATE 4-20-98)
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE AMOLE ARROYO,
*S FROM WESTGATE DAM THROUGH TO THE HUBBLE LAKE DETENTION FACILITY.  THIS RUN
*S USES THE RECALL HYD COMMAND TO INPUT HYDOGRAPHS FROM POWERLINE CHANNEL (PL),
*S SNOW VISTA CHANNEL (SV), SACATE BLANCO CHANNEL (SB), AMOLE DEL NORTE CHANNEL
*S (AN), RIO BRAVO (RB), AND THE BORREGA CHANNEL (BR).  THIS RUN ALSO CALCULATES
*S RUNOFF FROM SUB-BASINS ADJACENT TO THE CHANNEL THAT ARE NOT INCLUDED IN THE
*S ABOVE MENTIONED HYDROGRAPHS.
*S
*S
*S  IMPORTANT NOTE: RESERVOIR ROUTE DOES NOT INCLUDE ALL OF THE VOLUME FROM
*S                  WESTGATE DAM. THEREFORE, ADD ** 278 AC.FT ** OF VOLUME
*S                  TO ALL OF THE HYDROGRAPHS PUBLISHED IN THIS RUN.
*S                  THIS WILL ACCOUNT FOR THE VOLUME OF RUNOFF
*S                  TRUNCATED FROM WESTGATE DAM.
*S
*S ANALYSIS ASSUMPTIONS:
*S 1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION.
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AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999
INPUT FILE = AA100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S										
*S 2. A BULKING FACTOR OF 15% HAS BEEN ADDED TO EACH UNDEVELOPED SUB-BASIN AND										
*S A BULKING FACTOR OF 6% HAS BEEN ADDED TO EACH DEVELOPED SUB-BASIN LIKELY										
*S TO PRODUCE SEDIMENT. A BULKING FACTOR OF 3% HAS BEEN ADDED TO EACH										
*S DEVELOPED SUB-BASIN THAT WOULD PROBIBLY PRODUCE SEDIMENT, SUCH AS PARKS										
*S AND SCHOOL PLAY GROUNDS. AND, NO BULKING FACTOR FOR WELL DEFINED RESIDEN										
*S DEVELOPMENTS.										
*S										
*S 3. BOTH THE AMOLE DETENTION FACILITY AND HUBBELL LAKE DETENTION FACILITY										
*S PRINCIPAL SPILLWAYS ARE MODELED CLOSED. THESE TWO FACILITIES ARE										
*S REPRESENTATED AS AP40.1 AND AP 50.1, RESPECTIVELY ON THE SUPPLIMENTAL										
*S MAPPING AND REPORT.										
*S										
*S100 YEAR 24HR STORM DEVELOPED CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
*S RECALL OUTFLOW HYDROGRAPH FROM THE WESTGATE DAM										
*S HYD NO. WG100D1B.HYD IS ***** AP 01 *****										
RECALL HYD	WG100D1B.HYD	-	5	5.15730	73.47	170.982	.62163	7.050	.022	
*S ROUTE FLOW TO AP02										
ROUTE	WG101.5	5	11	5.15730	73.47	169.765	.61720	7.650	.022	
*S CALCULATE FLOW FROM SUB-BASIN 00102										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	102.00	-	2	.11190	237.17	10.071	1.68751	1.500	3.312	PER IMP=47.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN WG101.5 TO THE FLOW FROM SUB-BASIN 00102.										
ADD HYD	102.10 11& 2		3	5.26920	259.75	179.835	.63993	1.500	.077	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999
INPUT FILE = AA100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S RECALL OUTFLOW HYDROGRAPH FROM POWERLINE CHANNEL										
RECALL HYD	PL100D1B.HYD	-	10	1.20470	948.09	99.750	1.55251	1.600	1.230	
*S										
*S ADD THE RECALLED HYD FROM POWERLINE TO THE ROUTED FLOW										
*S FROM SUB-BASIN 00102.1										
*S HYD NO. 102.2 IS ***** AP 02 *****										
ADD HYD	102.20	10& 3	4	6.47390	1160.78	279.585	.80975	1.600	.280	
*S ROUTE FLOW IN THE AMOLE ARROYO TO 900 FEET EAST OF POWERLINE CHANNEL.										
ROUTE	102.50	4	12	6.47390	1142.61	278.841	.80759	1.650	.276	
*S										
COMPUTE NM HYD	00103A	-	2	.07170	175.80	7.025	1.83703	1.500	3.831	PER IMP=49.00
*S ROUTE FLOW THROUGH SUB-BASIN 00103B TO THE AMOLE ARROYO.										
ROUTE	00103A.5	2	11	.07170	110.69	7.025	1.83702	1.600	2.412	
*S CALCULATE FLOW FROM SUB-BASIN 00103B										
COMPUTE NM HYD	00103B	-	2	.12070	219.98	11.780	1.82990	1.600	2.848	PER IMP=49.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 00103A.5 TO THE FLOW										
*S FROM SUB-BASIN 00103B.										
ADD HYD	00103B.1	11& 2	3	.19240	330.68	18.804	1.83255	1.600	2.685	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 00103B.1 TO THE ROUTED FLOW										
*S IN THE AMOLE ARROYO.										
ADD HYD	00103B.2	12& 3	4	6.66630	1469.35	297.646	.83717	1.600	.344	
*S ROUTE FLOW FROM SUB-BASIN 00103B.2 IN THE AMOLE ARROYO TO										
*S DELGADO STREET.										
ROUTE	00103B.5	4	11	6.66630	1502.77	297.153	.83579	1.650	.352	
*S										
*S CALCULATE FLOW FROM SUB-BASIN 00104										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999
INPUT FILE = AA100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S GENERATION OF SEDIMENT POSSIBLE IN PARTLY DEVELOPED SUB-BASIN,										
*S BULK FLOWS 6%										
SEDIMENT BULK										PK BF =1.06
COMPUTE NM HYD	104.00	-	2	.01830	40.11	1.617	1.65724	1.500	3.424	PER IMP=49.00
*S ADD THE FLOW FROM SUB-BASIN 00104 TO THE ROUTED FLOW IN THE AMOLE ARROYO.										
*S HYD NO. 00104.1 IS ***** AP 02.1 *****										
ADD HYD	104.10	11& 2	3	6.68460	1524.88	298.771	.83804	1.650	.356	
*S ROUTE FLOW FROM SUB-BASIN 00104 IN THE AMOLE ARROYO TO 2220 FEET WEST										
*S FOR SNOW VISTA CHANNEL										
ROUTE	104.50	3	11	6.68460	1459.80	297.459	.83436	1.700	.341	
*S										
*S CALCULATE FLOW FROM SUB-BASIN 00105										
*S GENERATION OF SEDIMENT POSSIBLE IN PARTLY DEVELOPED SUB-BASIN,										
*S BULK FLOWS 6%										
SEDIMENT BULK										PK BF =1.06
COMPUTE NM HYD	105.00	-	2	.07670	162.57	6.690	1.63539	1.500	3.312	PER IMP=49.00
*S ADD THE FLOW FROM SUB-BASIN 00105 TO THE ROUTED FLOW IN THE AMOLE ARROYO.										
*S HYD NO. 00105.1 IS ***** AP 02.2 *****										
ADD HYD	105.10	11& 2	3	6.76130	1534.71	304.149	.84345	1.700	.355	
*S ROUTE FLOW FROM SUB-BASIN 00105 IN THE AMOLE ARROYO TO SNOW VISTA CHANNEL.										
ROUTE	105.50	3	11	6.76130	1513.12	303.206	.84083	1.700	.350	
*S										
*S CALCULATE FLOW FROM SUB-BASIN 00106										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	106.00	-	2	.04150	106.14	4.722	2.13338	1.500	3.996	PER IMP=70.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999
INPUT FILE = AA100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ADD THE FLOW FROM SUB-BASIN 00106 TO THE ROUTED FLOW IN THE AMOLE ARROYO.										
ADD HYD	106.10	11& 2	3	6.80280	1560.64	307.928	.84872	1.700	.358	
*S RECALL OUTFLOW HYDROGRAPH FROM SNOW VISTA CHANNEL.										
RECALL HYD	SV100D1B.HYD	-	2	1.83930	2049.13	183.430	1.86991	1.600	1.741	
*S										
*S ADD THE OUTFLOW HYDROGRAPH FROM SNOW VISTA CHANNEL TO THE FLOW										
*S IN THE AMOLE ARROYO.										
*S HYD NO. 00106.2 IS ***** AP 03 *****										
ADD HYD	106.20	3& 2	4	8.64210	3462.55	491.359	1.06606	1.700	.626	
*S ROUTE COMBINED FLOW FROM SUB-BASIN 00106.2 IN THE AMOLE ARROYO TO										
*S 1970 FEET EAST OF THE SNOW VISTA CHANNEL.										
ROUTE	106.50	4	12	8.64210	3440.45	490.358	1.06389	1.700	.622	
*S										
*S CALCULATE FLOW FROM SUB-BASIN 00107										
COMPUTE NM HYD	107.00	-	2	.11970	259.94	11.955	1.87262	1.550	3.393	PER IMP=52.00
*S ROUTE FLOW THROUGH SUB-BASIN 00108 TO THE AMOLE ARROYO.										
ROUTE	107.50	2	11	.11970	183.70	11.955	1.87262	1.650	2.398	
*S CALCULATE FLOW FROM SUB-BASIN 00108										
COMPUTE NM HYD	108.00	-	2	.22610	535.21	26.578	2.20407	1.550	3.699	PER IMP=71.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 00107.5 TO THE FLOW										
*S FROM SUB-BASIN 00108										
ADD HYD	108.10	11& 2	3	.34580	680.33	38.533	2.08934	1.550	3.074	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 00108.1 TO THE ROUTED FLOW										
*S IN THE AMOLE ARROYO.										
ADD HYD	108.20	12& 3	4	8.98790	3924.79	528.890	1.10334	1.700	.682	
*S CALCULATE FLOW FROM SUB-BASIN 00109										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999
INPUT FILE = AA100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	109.00	-	2	.06080	132.62	6.970	2.14958	1.550	3.408	PER IMP=68.00
*S ADD THE FLOW FROM SUB-BASIN 00109 TO THE COMBINED FLOW IN THE AMOLE ARROYO.										
ADD HYD	109.10	4& 2	3	9.04870	4016.35	535.861	1.11037	1.700	.694	
*S ROUTE FLOW FROM SUB-BASIN 00109.1 IN THE AMOLE ARROYO TO THE SACATE BLANCO CH										
ROUTE	109.50	3	11	9.04870	3935.29	534.062	1.10664	1.750	.680	
*S										
*S CALCULATE FLOW FROM SUB-BASIN 00110										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 15%										
SEDIMENT BULK										PK BF =1.15
COMPUTE NM HYD	110.00	-	2	.06430	133.12	6.923	2.01873	1.550	3.235	PER IMP=64.00
*S ADD THE FLOW FROM SUB-BASIN 00110 TO THE ROUTED FLOW IN THE AMOLE ARROYO.										
ADD HYD	110.10	11& 2	3	9.11300	4009.79	540.985	1.11308	1.750	.688	
*S RECALL OUTFLOW HYDROGRAPH FROM SACATE BLANCO CHANNEL.										
RECALL HYD	SB100D1B.HYD	-	2	1.52830	2379.53	131.436	1.61253	1.650	2.433	
*S										
*S ADD THE OUTFLOW HYDROGRAPH FROM THE SACATE BLANCO CHANNEL TO THE FLOW										
*S IN THE AMOLE ARROYO.										
*S HYD NO. 00110.2 IS ***** AP 04 *****										
ADD HYD	110.20	3& 2	4	10.64130	6089.17	672.421	1.18481	1.700	.894	
*S COMPUTE THE FLOW FROM BASINS 35301, 35303, & 35305 FROM THE AMOLE										
*S DEL NORTE BASIN THAT IS DIVERTED FROM THE UNSER EXTENTION										
*S (SEE THE RIO BRAVO SECTOR PLAN)										
*S BASIN 35301										
COMPUTE NM HYD	D35301	-	2	.14200	330.11	16.789	2.21681	1.550	3.632	PER IMP=71.00
*S ROUTE THE FLOW FROM BASIN 35301 TO 35303										
ROUTE	2	5	.14200	328.12	16.789	2.21681	1.550	3.611		

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999

INPUT FILE = AA100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S BASIN 35303										
COMPUTE NM HYD	D35303	-	2	.09640	249.71	12.405	2.41285	1.500	4.047	PER IMP=81.00
*S ADD THE ROUTED FLOW FROM BASIN 35301.5 TO THE FLOW FROM BASIN 35303										
ADD HYD	2& 5	2		.23840	575.00	29.194	2.29607	1.550	3.769	
*S ROUTE THE FLOW FROM BASIN 35303 TO THE AMOLE ARROYO										
ROUTE		2	5	.23840	563.71	29.194	2.29608	1.550	3.695	
*S BASIN 35305										
COMPUTE NM HYD	D35305	-	2	.08410	209.03	10.794	2.40657	1.550	3.884	PER IMP=81.00
*S ADD THE ROUTED FLOW FROM BASIN 35303.5 TO THE FLOW FROM BASIN 35305										
ADD HYD	2& 5	11		.32250	772.74	39.988	2.32489	1.550	3.744	
*S ADD THE FLOW FROM BASIN 35305 TO THE FLOW IN THE AMOLE ARROYO										
ADD HYD	4&11	4		10.96380	6621.89	712.409	1.21834	1.700	.944	
*S ROUTE COMBINED FLOW IN THE AMOLE ARROYO TO THE AMOLE DETENTION FACILITY.										
ROUTE	110.50	4	11	10.96380	6587.02	712.089	1.21780	1.700	.939	
*S RECALL THE OUTFLOW HYDROGRAPH FROM THE AMOLE DEL NORTE WATERSHED										
RECALL HYD	AN100D1B.HYD	-	30	6.11330	2183.85	587.520	1.80197	1.950	.558	
*S ADD THE FLOW FROM THE AMOLE ARROYO TO THE FLOW FROM THE AMOLE DEL NORTE										
*S CHANNEL. THIS IS THE TOTAL FLOW INTO THE AMOLE DETENTION FACILITY.										
*S HYD NO. AP40 IS ***** AP 40 *****										
ADD HYD	AP40	11&30	40	17.07710	8330.58	1299.609	1.42692	1.750	.762	
*S										
*S IMPORTANT NOTE: RESERVOIR ROUTE DOES NOT INCLUDE ALL OF THE VOLUME FROM										
*S WESTGATE DAM. THEREFORE, ADD ** 278 AC.FT ** OF VOLUME										
*S TO THE OUTFLOW HYDROGRAPH FROM AMOLE DETENTION BASIN.										
*S THIS WILL ACCOUNT FOR THE VOLUME OF RUNOFF										
*S TRUNCATED FROM WESTGATE DAM.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999

INPUT FILE = AA100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S										
*S ROUTE THE FLOW IN THE AMOLE DETENTION FACILITY WITH THE ROUTE RESERVOIR										
ROUTE RESERVOIR	AMOLE.OUT	40	41	17.07710	2523.96	809.447	.88874	2.800	.231	AC-FT=519.373
*S HYD NO. AMOLE.OUT IS ***** AP 41 *****										
*S NOTE: PRINCIPLE SPILLWAY IS MODELED AS CLOSED, THEREFORE AP 40.1 = 0 CFS										
MODIFY TIME	AMOLE.OUT	41	41	17.07710	2523.96	809.447	.88874	2.800	.231	
*S ROUTE THE OUTFLOW DOWN THE AMOLE/HUBBLE DIVERSION CHANNEL TO 300 FEET										
*S NORTH OF THE PROPOSED RIO BRAVO CROSSING										
ROUTE	AP40.5	41	11	17.07710	2512.04	808.849	.88808	2.800	.230	
*S CALCULATE THE FLOW FROM SUB-BASIN 40001										
*S GENERATION OF SEDIMENT LIKELY, BULK FLOWS 6%										
SEDIMENT BULK										PK BF =1.06
COMPUTE NM HYD	D40001	-	2	.07170	140.83	6.640	1.73643	1.500	3.069	PER IMP=59.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN AP40.5 TO THE FLOW FROM SUB-BASIN 40001.										
ADD HYD	D40001.1	11& 2	3	17.14880	2515.03	815.489	.89163	2.800	.229	
*S RECALL THE OUTFLOW HYDROGRAPH FROM THE NORTH PORTION OF RIO BRAVO										
RECALL HYD	RB100D1B.HYD	-	5	.59780	1004.02	43.470	1.36343	1.550	2.624	
*S ADD THE FLOW FROM THE RECALLED HYDROGRAPH TO THE FLOW FROM SUB-BASIN 40001.1										
*S HYD NO. RB1.1 IS ***** AP 42 *****										
ADD HYD	RB1.1	3& 5	4	17.74660	2539.78	858.958	.90752	2.800	.224	
*S ROUTE THE COMBINED FLOW INTO HUBBLE LAKE										
ROUTE	AP40.5	4	11	17.74660	2547.65	858.733	.90729	2.800	.224	
*S RECALL THE OUTFLOW HYDROGRAPH FROM THE SOUTH PORTION OF RIO BRAVO.										
RECALL HYD	RB100D2B.HYD	-	5	.77100	734.54	48.831	1.18751	1.750	1.489	
*S ADD THE FLOW FROM THE RECALL HYDROGRAPH TO THE TOTAL FLOW IN HUBBLE LAKE.										
ADD HYD	2.10	11& 5	3	18.51760	2620.86	907.564	.91895	2.800	.221	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999
INPUT FILE = AA100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S RECALL THE HYDROGRAPH FROM THE BORREGA WATERSHED.										
RECALL HYD	BR100D1B.HYD	-	5	1.38790	1627.17	115.838	1.56493	1.750	1.832	
*S ADD THE FLOW FROM THE RECALL HYDROGRAPH TO THE TOTAL FLOW IN HUBBLE LAKE.										
*S HYD NO. RB2.1 IS ***** AP 50 *****										
ADD HYD	RB2.1	3& 5	4	19.90550	3089.04	1023.401	.96399	1.700	.242	
*S ROUTE THE TOTAL FLOW INTO HUBBLE LAKE WITH THE ROUTE RESERVOIR.										
*S										
*S IMPORTANT NOTE: RESERVOIR ROUTE DOES NOT INCLUDE ALL OF THE VOLUME FROM										
*S WESTGATE DAM. THEREFORE, ADD ** 278 AC.FT ** OF VOLUME										
*S TO THE OUTFLOW HYDROGRAPH FROM THE HUBBELL LAKE BASIN.										
*S THIS WILL ACCOUNT FOR THE VOLUME OF RUNOFF										
*S TRUNCATED FROM WESTGATE DAM.										
*S										
ROUTE RESERVOIR	HUBBLE.LAKE	4	99	19.90550	475.63	530.106	.49933	6.200	.037	AC-FT=497.323
*S NOTE: PRINCIPLE SPILLWAY IS MODELED AS CLOSED, THEREFORE AP 50.1 = 0 CFS										
*S HYD NO. 99 IS ***** AP 50.2 *****										
MODIFY TIME	HUBBLE.LAKE	99	99	19.90550	475.63	530.106	.49933	6.200	.037	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = BR100D1B.DAT USER NO. - STOCKTON.S94

COMMAND	HRDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00
*S
*S BORREGA WATERSHED
*S
*S
*S 100-YR, 24-HR STORM
*S FILE NAME: BR100D1B.DAT
*S BY: RICHARD STOCKTON
*S LAST REVISION: 09-13-96
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE BORREGA
*S BASIN. FLOWS FROM THIS BASIN IS CONVEYED TO HUBBLE LAKE DETENTION FACILITY
*S VIA THE BORREGA DIVERSION CHANNEL.
*S
*S ANALYSIS ASSUMPTIONS:
*S 1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION. DEVELOPED
*S CONDITIONS ARE BASED ON LH'S RUNOFF CATAGPRY COLOR MAP.
*S
*S 2. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL
*S HYDROGRAPH COULD BE USED IN THE AMOLE DEL NORTE DEVELOPED CONDITIONS MODEL
*S AA100E1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE ARROYO SYSTE
*S
*S 3. BULKING FACTORS FOR THE ESCARPMENT EASEMENT UNDER DEVELOPED CONDITIONS.
*S
*S100 YEAR 24HR STORM DEVELOPED CONDITION
RAINFALL TYPE= 2 RAIN24=2.660
*S LH BASIN NO. 50101

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = BR100D1B.DAT USER NO. - STOCKTON.S94

COMMAND	HRDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
SEDIMENT BULK										PK BF =1.02
COMPUTE NM HYD	101.10	-	1	.15400	316.96	12.276	1.49469	1.500	3.216	PER IMP=42.00
ROUTE	201.10	1	10	.15400	264.91	12.276	1.49469	1.550	2.688	
ROUTE	101.30	10	2	.15400	237.16	12.276	1.49469	1.650	2.406	
*S LH BASIN NO. 50102										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	102.10	-	1	.19530	365.72	16.639	1.59741	1.550	2.926	PER IMP=49.00
ADD HYD	102.30	1& 2	2	.34930	555.06	28.915	1.55212	1.600	2.483	
*S LH BASIN NO. 50104										
COMPUTE NM HYD	103.10	-	1	.05400	99.16	3.665	1.27251	1.500	2.869	PER IMP=32.00
ROUTE	103.30	1	3	.05400	74.37	3.665	1.27252	1.600	2.152	
*S LH BASIN NO. 50103										
SEDIMENT BULK										PK BF =1.04
COMPUTE NM HYD	104.10	-	1	.03925	77.35	2.904	1.38733	1.500	3.079	PER IMP=35.00
ROUTE	104.30	1	4	.03925	56.15	2.904	1.38734	1.600	2.235	
ADD HYD	104.40	3& 4	3	.09325	130.52	6.569	1.32083	1.600	2.187	
ROUTE	201.20	3	11	.09325	133.46	6.569	1.32084	1.600	2.236	
ROUTE	104.40	11	4	.09325	108.71	6.569	1.32084	1.700	1.822	
*S LH BASIN NO. 50105										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	105.10	-	1	.17870	337.74	15.224	1.59742	1.550	2.953	PER IMP=49.00
ADD HYD	105.30	1& 4	4	.27195	390.97	21.793	1.50258	1.550	2.246	
*S LH BASIN NO. 50106										
COMPUTE NM HYD	106.10	-	1	.09702	191.49	8.266	1.59742	1.500	3.084	PER IMP=49.00
ADD HYD	106.30	1& 4	4	.36897	576.77	30.059	1.52751	1.550	2.442	
ROUTE	106.40	4	3	.36897	582.07	30.059	1.52751	1.550	2.465	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = BR100D1B.DAT USER NO. - STOCKTON.S94

COMMAND	HRDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S LH BASIN NO. 50107										
COMPUTE NM HYD	107.10	-	1	.01146	24.42	.976	1.59741	1.500	3.329	PER IMP=49.00
ADD HYD	107.30	1& 3	3	.38043	603.85	31.035	1.52962	1.550	2.480	
ADD HYD	107.40	2& 3	2	.72973	1151.66	59.950	1.54039	1.550	2.466	
ROUTE	107.50	2	3	.72973	955.93	59.950	1.54039	1.650	2.047	
*S LH BASIN NO. 50108										
COMPUTE NM HYD	108.10	-	1	.21455	350.95	18.279	1.59742	1.600	2.556	PER IMP=49.00
ADD HYD	108.30	1& 3	3	.94428	1275.59	78.229	1.55335	1.650	2.111	
*S LH BASIN NO. 50109										
COMPUTE NM HYD	109.10	-	1	.19140	319.69	16.306	1.59742	1.550	2.610	PER IMP=49.00
*S HYD=109.30 IS *****AP 51*****										
ADD HYD	109.30	1& 3	3	1.13568	1558.13	94.535	1.56077	1.650	2.144	
ROUTE	109.40	3	4	1.13568	1567.82	94.535	1.56077	1.650	2.157	
ROUTE	109.50	4	3	1.13568	1567.58	94.536	1.56078	1.650	2.157	
*S LH BASIN NO. 50201										
COMPUTE NM HYD	110.10	-	1	.14730	229.72	12.549	1.59741	1.600	2.437	PER IMP=49.00
ADD HYD	110.30	1& 3	3	1.28298	1787.44	107.085	1.56498	1.650	2.177	
ROUTE	110.40	3	4	1.28298	1505.49	107.085	1.56498	1.750	1.833	
*S LH BASIN NO. 50110										
COMPUTE NM HYD	111.10	-	1	.10495	151.96	8.753	1.56380	1.600	2.262	PER IMP=48.00
*S HYD=BR100D1B.HYD IS *****AP 52*****										
ADD HYD	BR100D1B.HYD	1& 4	4	1.38793	1627.17	115.838	1.56489	1.750	1.832	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = PL100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00
*S
*S POWERLINE CHANNEL
*S
*S
*S 100-YR, 24-HR STORM WITH SEDIMENT
*S FILE NAME: PL100D1B.DAT
*S BY: RICHARD STOCKTON PEER REVIEWED BY: CLINT DODGE
*S LAST REVISION: 09-13-96
*S**********
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE POWERLINE
*S WATERSHED. FLOW FROM THIS BASIN IS CONVEYED TO THE AMOLE DETENTION FACILITY
*S VIA THE AMOLE ARROYO. BASIN BOUNDARIES WERE DETERMINED FROM NOVEMBER 1995
*S AERIAL, TOPOGRAPHICAL MAPS AND PREVIOUS STUDIES.
*S
*S**********
*S ANALYSIS ASSUMPTIONS:
*S**********
*S 1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION.
*S
*S 2. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL
*S HYDROGRAPH COULD BE USED IN THE AMOLE ARROYO DEVELOPED CONDITIONS MODEL
*S AA100D1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE/HUBBLE
*S LAKE DETENTION SYSTEM.
*S

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = PL100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S 3. NO BULKING FACTOR HAS BEEN ADDED FOR DEVELOPED AREA, HOWEVER, A WEIGHTED										
*S BULKING FACTOR WAS ADDED TO BASINS 10011 THRU 10018 FOR SEDIMENT GENERATED										
*S IN THE ESCARPMENT EASEMENT. VALUES RANGE FROM 1.002 TO 1.064.										
*S										
*S100 YEAR 24HR STORM DEVELOPED CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
*S CALCULATE THE FLOW FROM SUB-BASIN 10006.										
COMPUTE NM HYD	10006.00	-	2	.28340	611.54	25.362	1.67795	1.500	3.372	PER IMP=56.00
*S ROUTE FLOW FROM SUB-BASIN 10006.5 THROUGH 2-12'x6' RCB UNDER CENTRAL.										
*S NOTE: THE HYDRAULIC PROPERTIES OF 2-12'x6' RCB IS APPROXIMATELY THE										
*S SAME AS A 169" DIA PIPE.										
ROUTE	10006.60	2	11	.28340	612.74	25.362	1.67796	1.500	3.378	
*S CALCULATE THE FLOW FROM SUB-BASIN 10007.										
COMPUTE NM HYD	10007.00	-	2	.04780	110.61	4.841	1.89898	1.500	3.616	PER IMP=70.00
*S ROUTE FLOW FROM SUB-BASIN 10007 THROUGH 8'x4' RCB UNDER CENTRAL.										
*S NOTE: THE HYDRAULIC PROPERTIES OF 8'x4' RCB IS APPROXIMATELY THE										
*S SAME AS A 81" DIA PIPE.										
ROUTE	10007.50	2	5	.04780	111.00	4.841	1.89899	1.500	3.628	
*S ROUTE FLOW FROM SUB-BASIN 10007.5 TO 200 FEET SOUTH OF CENTRAL AND										
*S POWERLINE CHANNEL.										
ROUTE	10007.60	5	12	.04780	104.16	4.841	1.89899	1.550	3.405	
*S CALCULATE THE FLOW FROM SUB-BASIN 10008.										
COMPUTE NM HYD	10008.00	-	2	.02150	33.19	1.311	1.14297	1.500	2.412	PER IMP=30.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10006.6 TO THE FLOW FROM SUB-BASIN 10008.										
ADD HYD	10008.10	11& 2	3	.30490	645.93	26.672	1.64023	1.500	3.310	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = PL100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ROUTE FLOW FROM SUB-BASIN 10008.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10009, 200 FEET SOUTH OF CENTRAL.										
ROUTE	10008.50	3	11	.30490	646.73	26.672	1.64023	1.500	3.314	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10007.6 TO THE ROUTED FLOW										
*S FROM SUB-BASIN 10008.5										
*S HYD=10008.2 IS *****AP 11*****										
ADD HYD	10008.20	12&11	3	.35270	738.69	31.513	1.67530	1.500	3.272	
*S ROUTE FLOW FROM SUB-BASIN 10008.2 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10009, TO SEDIMENT BASIN ENTRANCE.										
ROUTE	10008.60	3	11	.35270	724.91	31.513	1.67530	1.550	3.211	
*S CALCULATE THE FLOW FROM SUB-BASIN 10009.										
COMPUTE NM HYD	10009.00	-	2	.08150	185.98	8.142	1.87327	1.500	3.566	PER IMP=69.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 10008.6 TO THE FLOW FROM										
*S SUB-BASIN 10009, FLOW ENTERS INTO SED BASIN.										
*S HYD NO. 10009.1 IS ******* AP 12 ******										
ADD HYD	10009.10	11& 2	3	.43420	904.53	39.656	1.71246	1.500	3.255	
*S CALCULATE THE FLOW FROM SUB-BASIN 10010.										
COMPUTE NM HYD	10010.00	-	2	.05910	130.79	5.666	1.79747	1.500	3.458	PER IMP=65.00
*S ADD THE FLOW FROM SUB-BASIN 10010 TO THE COMBINED FLOW IN THE SED BASIN.										
ADD HYD	10010.10	2& 3	3	.49330	1035.32	45.321	1.72264	1.500	3.279	
*S CALCULATE THE FLOW FROM SUB-BASIN 10011.										
*S BASIN 10011 IS IN ESCARPMENT EASEMENT, BULK FLOWS 2.5%										
SEDIMENT BULK										PK BF =1.02
COMPUTE NM HYD	10011.00	-	2	.12400	250.12	9.682	1.46399	1.500	3.152	PER IMP=41.00
*S ADD THE FLOW FROM SUB-BASIN 10011 TO THE COMBINED FLOW IN THE SED BASIN.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = PL100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	10011.10	2& 3	3	.61730	1285.44	55.003	1.67068	1.500	3.254	
*S CALCULATE THE FLOW FROM SUB-BASIN 10012.										
*S BASIN 10012 IS IN ESCARPMENT EASEMENT, BULK FLOWS 2.4%										
SEDIMENT BULK										PK BF =1.02
COMPUTE NM HYD	10012.00	-	2	.04890	97.72	3.798	1.45645	1.500	3.122	PER IMP=41.00
*S ADD THE FLOW FROM SUB-BASIN 10012 TO THE COMBINED FLOW IN THE SED BASIN.										
ADD HYD	10011.10	2& 3	3	.66620	1383.16	58.802	1.65496	1.500	3.244	
*S ROUTE TOTAL FLOW THROUGH SEDIMENTATION BASIN.										
ROUTE RESERVOIR	10012.80	3	8	.66620	415.05	58.728	1.65287	1.900	.973	AC-FT=28.178
MODIFY TIME	10012.80	8	8	.66620	430.18	58.728	1.65287	1.850	1.009	
*S HYD NO. 10012.8 IS ******* AP 13 ******										
*S ROUTE OUTFLOW FROM SED BASIN DOWN POWERLINE CHANNEL THROUGH SUB-BASIN 10013.										
ROUTE	10012.60	8	11	.66620	430.84	58.699	1.65206	1.850	1.010	
*S CALCULATE THE FLOW FROM SUB-BASIN 10013.										
*S BASIN 10013 IS IN ESCARPMENT EASEMENT, BULK FLOWS 1.3%										
SEDIMENT BULK										PK BF =1.01
COMPUTE NM HYD	10013.00	-	2	.09380	191.11	7.565	1.51228	1.500	3.183	PER IMP=45.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10012.6 TO THE FLOW FROM SUB-BASIN 10013.										
ADD HYD	10013.10	11& 2	3	.76000	481.59	66.264	1.63481	1.850	.990	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10013.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10014.										
ROUTE	10013.50	3	11	.76000	480.73	66.245	1.63433	1.850	.988	
*S CALCULATE THE FLOW FROM SUB-BASIN 10014.										
*S BASIN 10014 IS IN ESCARPMENT EASEMENT, BULK FLOWS 3.1%										
SEDIMENT BULK										PK BF =1.01

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = PL100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	10014.00	-	2	.08610	168.86	6.480	1.41111	1.500	3.064	PER IMP=39.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10013.5 TO THE FLOW FROM SUB-BASIN 10014.										
ADD HYD	10014.10	11& 2	3	.84610	524.68	72.725	1.61161	1.800	.969	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10014.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10015.										
ROUTE	10014.50	3	11	.84610	523.41	72.684	1.61071	1.850	.967	
*S CALCULATE THE FLOW FROM SUB-BASIN 10015.										
*S BASIN 10015 IS IN ESCARPMENT EASEMENT, BULK FLOWS 0.2%										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	10015.00	-	2	.09760	204.57	8.217	1.57858	1.500	3.275	PER IMP=49.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10014.5 TO THE FLOW FROM SUB-BASIN 10015.										
ADD HYD	10015.10	11& 2	3	.94370	579.01	80.901	1.60739	1.850	.959	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10015.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10016.										
ROUTE	10015.50	3	11	.94370	580.60	80.880	1.60696	1.850	.961	
*S CALCULATE THE FLOW FROM SUB-BASIN 10016.										
*S BASIN 10016 IS IN ESCARPMENT EASEMENT, BULK FLOWS 2.1%										
SEDIMENT BULK										PK BF =1.02
COMPUTE NM HYD	10016.00	-	2	.09900	200.14	7.795	1.47629	1.500	3.159	PER IMP=42.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10015.5 TO THE FLOW FROM SUB-BASIN 10016.										
ADD HYD	10016.10	11& 2	3	1.04270	699.17	88.674	1.59456	1.550	1.048	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10016.1 DOWN POWERLINE CHANNEL										
*S THROUGH SUB-BASIN 10017.										
ROUTE	10016.50	3	11	1.04270	691.81	88.656	1.59423	1.550	1.037	
*S CALCULATE THE FLOW FROM SUB-BASIN 10017.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = PL100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S BASIN 10017 IS IN ESCARPMENT EASEMENT, BULK FLOWS 6.4%										
SEDIMENT BULK										PK BF =1.06
COMPUTE NM HYD	10017.00	-	2	.09600	179.45	6.467	1.26307	1.500	2.921	PER IMP=28.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10016.5 TO THE FLOW FROM SUB-BASIN 10017.										
ADD HYD	10017.10	11& 2	3	1.13870	854.84	95.123	1.56631	1.550	1.173	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10017.1 THRU SUB-BASIN 10018										
ROUTE	10017.50	3	11	1.13870	846.05	95.090	1.56577	1.600	1.161	
*S CALCULATE THE FLOW FROM SUB-BASIN 10018.										
*S BASIN 10018 IS IN ESCARPMENT EASEMENT, BULK FLOWS 4.6%										
SEDIMENT BULK										PK BF =1.05
COMPUTE NM HYD	10018.00	-	2	.06600	112.22	4.688	1.33178	1.500	2.657	PER IMP=34.00
*S ADD THE ROUTE FLOW FROM SUB-BASIN 10017.5 TO THE FLOW FROM SUB-BASIN 10018.										
*S HYD NO. 10018.1 IS ***** AP 14 *****										
ADD HYD	10018.10	11& 2	3	1.20470	940.77	99.778	1.55295	1.600	1.220	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 10018.1 DOWN POWERLINE CHANNEL										
*S TO THE AMOLE ARROYO (AP 02).										
ROUTE	PL100D1B.HYD	3	11	1.20470	948.09	99.750	1.55251	1.600	1.230	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =12/10/1996
INPUT FILE = RB100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME=.00
*S
*S RIO BRAVO
*S
*S
*S
*S 100-YR, 24-HR STORM WITHOUT SEDIMENT
*S FILE NAME: RB100D1B.DAT
*S BY: RICHARD STOCKTON
*S LAST REVISION: 12-11-96
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE RIO BRAVO
*S BASIN. FLOWS FROM THIS BASIN IS CONVEYED TO HUBBLE LAKE DETENTION FACILITY
*S VIA THE HUBBLE LAKE/AMOLE DIVERSION CHANNEL.
*S THE RIO BRAVO MODEL WAS DEVELOPED BY AVID (AND ACCEPTED BY THE COUNTY).
*S
*S ANALYSIS ASSUMPTIONS:
*S 1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION AT 3 DU/AC.
*S
*S 2. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL
*S HYDROGRAPH COULD BE USED IN THE AMOLE DEL NORTE EXISTING CONDITIONS MODEL
*S AA100D1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE ARROYO SYSTE
*S
*S 3. NO BULKING FOR DEVELOPED CONDITIONS.
*S
*S100 YEAR 24HR STORM DEVELOPED CONDITION
RAINFALL TYPE= 2 RAIN24=2.660

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =12/10/1996
INPUT FILE = RB100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S										
*S										
*S										
*S										
*S										
*S										
*S COMPUTE HYDROGRAPH FOR B-1										
COMPUTE NM HYD	201.00	-	1	.03080	60.47	2.240	1.36343	1.500	3.068	PER IMP=34.00
*S										
*S										
*S										
*S ROUTE B-1 THROUGH B-3. ASSUME LINED CHANNEL										
ROUTE	201.10	1	2	.03080	45.41	2.240	1.36345	1.600	2.304	
*S										
*S										
*S										
*S COMPUTE HYDROGRAPH FOR B-3										
COMPUTE NM HYD	202.00	-	3	.22000	434.05	15.998	1.36343	1.500	3.083	PER IMP=34.00
*S ADD TO TOTAL										
ADD HYD	202.10	2& 3	1	.25080	468.39	18.237	1.36343	1.500	2.918	
*S										
*S										
*S										
*S ROUTE TOTAL FLOW THROUGH B-5 IN NEW CHANNEL										
ROUTE	202.20	1	2	.25080	407.81	18.237	1.36343	1.550	2.541	
*S										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =12/10/1996
INPUT FILE = RB100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S										
*S										
*S COMPUTE HYDROGRAPH FOR B-5										
COMPUTE NM HYD	203.00	-	1	.34700	596.21	25.233	1.36343	1.550	2.685	PER IMP=34.00
*S ADD FOR TOTAL INTO AMOLE CHANNEL										
*S HYD=RB100D1B.HYD IS *****AP 43*****										
ADD HYD	RB100D1B.HYD	1& 2	4	.59780	1004.02	43.470	1.36343	1.550	2.624	
*S										
*S										
*S COMPUTE HYDROGRAPH FOR B-2										
COMPUTE NM HYD	204.00	-	2	.07540	144.80	4.775	1.18751	1.500	3.001	PER IMP=16.00
*S ROUTE ADD BY LH										
ROUTE	202.40	2	3	.07540	113.19	4.775	1.18752	1.600	2.346	
*S										
*S										
*S COMPUTE HYDROGRAPH FOR B-4										
COMPUTE NM HYD	205.00	-	2	.19000	274.61	12.033	1.18752	1.600	2.258	PER IMP=16.00
*S ADD BASIN B-4 TO ROUTED FLOW										
ADD HYD	205.10	3& 2	3	.26540	387.80	16.809	1.18751	1.600	2.283	
*S										
*S										
*S ROUTE ADD BY LH										
*S ROUTE FLOW TO HUBBLE										
ROUTE	202.40	2	3	.19000	197.83	12.034	1.18752	1.700	1.627	
*S COMPUTE HYDROGRAPH FOR B-6										
COMPUTE NM HYD	206.00	-	1	.58100	544.10	36.797	1.18752	1.800	1.463	PER IMP=16.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AMYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =12/10/1996
INPUT FILE = RB100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ADD FLOW FROM B-4 TO ROUTED FLOW										
*S HYD=RB100D2B.HYD IS *****AP 44*****										
ADD HYD	RB100D2B.HYD	1& 3	3	.77100	734.54	48.831	1.18751	1.750	1.489	
*S										
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/12/1996
INPUT FILE = SB1001B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

START TIME= .00

```
*S
*S      SACATE BLANCO WATERSHED
*S
*S
*S 100-YR, 24-HR STORM WITH SEDIMENT
*S FILE NAME: SB100D1B.DAT
*S BY: RICHARD STOCKTON   PEER REVIEWED BY: TOM BLAINE / D DIXON
*S LAST REVISION: 09-12-96
*S**************************************************************************
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE SACATE BLANCO
*S WATERSHED.  FLOWS FROM THIS BASIN IS CONVEYED TO THE AMOLE DETENTION FACILITY
*S VIA THE AMOLE ARROYO.  BASIN BOUNDARIES WERE DETERMINED FROM NOVEMBER 1995
*S AERIAL, TOPOGRAPHICAL MAPS AND PREVIOUS STUDIES.
*S
*S NOTE: A "D" (DEVELOPED) HAS BEEN PLACED IN FRONT OF EACH SUB-BASIN HYDROGRAPH
*S       DESIGNATION DUE TO THE LIMITATIONS OF AHYMO.
*S
*S NOTE: BULKING FACTORS HAVE BEEN REMOVED WITH A STAR (*) COMMENT FOR
*S       BASINS UNDER DEVELOPED CONDITIONS.  BULKING FACTORS HAVE BEEN
*S       ADDED FOR THE ESCARPMENT EASEMENT OF 15%, PROPORTION FOR THE
*S       BASIN AREA.
*S
*S**************************************************************************
*S ANALYSIS ASSUMPTIONS:
*S**************************************************************************
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AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/12/1996
INPUT FILE = SB1001B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S 1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION.										
*S										
*S 2. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL										
*S HYDROGRAPH COULD BE USED IN THE AMOLE ARROYO DEVELOPED CONDITIONS MODEL										
*S AA100D1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE/HUBBELL										
*S LAKE DETENTION SYSTEM.										
*S										
*S100 YEAR 24HR STORM DEVELOPED CONDITION										
RAINFALL TYPE= 2										
COMPUTE NM HYD	D60101	-	2	.04820	98.55	4.760	1.85159	1.500	3.195	RAIN24=2.660 PER IMP=67.00
*S ROUTE FLOW FROM SUB-BASIN 60101 THROUGH SUB-BASIN 60102.										
ROUTE	D60101.5	2	11	.04820	99.67	4.760	1.85160	1.550	3.231	
COMPUTE NM HYD	D60102	-	2	.10190	186.73	9.393	1.72833	1.550	2.863	PER IMP=60.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60101.5 TO THE FLOW FROM SUB-BASIN 60102.										
ADD HYD	D60102.1	11& 2	3	.15010	286.39	14.153	1.76791	1.550	2.981	
*S ROUTE COMBINED FLOW FROM SUB-BASIN 60102.1 THROUGH SUB-BASIN 60103.										
ROUTE	D60102.5	3	11	.15010	282.00	14.153	1.76791	1.600	2.935	
COMPUTE NM HYD	D60103	-	2	.03920	71.22	3.288	1.57257	1.550	2.839	PER IMP=51.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60102.5 TO THE FLOW FROM SUB-BASIN 60103.										
ADD HYD	D60103.1	11& 2	9	.18930	349.18	17.440	1.72745	1.550	2.882	
*S										
*S BULK FLOWS FROM ESCARPMENT EASEMENT										
SEDIMENT BULK										
COMPUTE NM HYD	D60104	-	2	.15600	317.94	12.182	1.46413	1.500	3.184	PK BF = 1.03 PER IMP=40.00
*S ROUTE FLOW FROM SUB-BASIN 60104 THROUGH SUB-BASIN 60105.										
ROUTE	D60104.5	2	11	.15600	236.00	12.182	1.46413	1.600	2.364	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/12/1996
INPUT FILE = SB1001B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S NO BULK FLOWS										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	D60105	-	2	.10400	199.84	9.246	1.66690	1.550	3.002	PER IMP=54.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60104.5 TO THE FLOW FROM SUB-BASIN 60105.										
ADD HYD	D60105.1	11& 2	3	.26000	427.35	21.427	1.54523	1.550	2.568	
*S BULK FLOWS FROM ESCARPMENT EASEMENT										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	D60106	-	2	.07950	169.70	6.781	1.59933	1.500	3.335	PER IMP=49.00
*S ROUTE FLOW FROM SUB-BASIN 60106 THROUGH SUB-BASIN 60105.										
ROUTE	D60106.5	2	11	.07950	117.10	6.781	1.59934	1.600	2.301	
*S NO BULK FLOWS										
SEDIMENT BULK										PK BF = 1.00
COMPUTE NM HYD	D60107A	-	2	.04300	91.68	3.663	1.59742	1.500	3.331	PER IMP=49.00
*S ROUTE FLOW FROM SUB-BASIN 60107A THROUGH SUB-BASIN 60107B.										
ROUTE	D60107A.5	2	12	.04300	55.16	3.663	1.59743	1.600	2.004	
COMPUTE NM HYD	D60107B	-	6	.04300	93.68	3.830	1.67014	1.500	3.404	PER IMP=54.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60107A.5 TO THE FLOW FROM SUB-BASIN 60107B										
ADD HYD	D60107B.1	12& 6	7	.08600	132.25	7.494	1.63377	1.550	2.403	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60106.5 TO THE FLOW FROM SUB-BASIN 60105.										
ADD HYD	D60105.1	11& 2	4	.12250	191.48	10.445	1.59865	1.550	2.442	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 60107B.1 TO THE COMBINED FLOW										
*S FROM SUB-BASIN 60105.1.										
ADD HYD	D60107B.2	7& 4	5	.20850	323.73	17.938	1.61314	1.550	2.426	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60107B.2 THROUGH SUB-BASIN 60112.										
ROUTE	D60107.5	5	15	.20850	292.90	17.938	1.61314	1.600	2.195	
*S BULK FLOWS FROM ESCARPMENT EASEMENT										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/12/1996
INPUT FILE = SB1001B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
SEDIMENT BULK										PK BF =1.04
COMPUTE NM HYD	D60108	-	2	.09240	182.59	6.837	1.38733	1.500	3.088	PER IMP=35.00
*S ROUTE FLOW FROM SUB-BASIN 60108 THROUGH SUB-BASIN 60109.										
ROUTE	D60108.5	2	11	.09240	155.03	6.837	1.38733	1.550	2.622	
*S NO BULK FLOWS										
SEDIMENT BULK										PK BF = 1.00
COMPUTE NM HYD	D60109	-	2	.10230	218.11	8.715	1.59741	1.500	3.331	PER IMP=49.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60108.5 TO THE FLOW FROM SUB-BASIN 60109.										
ADD HYD	D60109.1	11& 2	19	.19470	349.39	15.552	1.49771	1.550	2.804	
*S BULK FLOWS FROM ESCARPMENT EASEMENT										
SEDIMENT BULK										PK BF =1.03
COMPUTE NM HYD	D60110	-	2	.10460	214.15	8.261	1.48081	1.500	3.199	PER IMP=41.00
*S ROUTE FLOW FROM SUB-BASIN 60110 THROUGH SUB-BASIN 60111.										
ROUTE	D60110.5	2	11	.10460	193.20	8.261	1.48081	1.550	2.886	
*S NO BULK FLOWS										
SEDIMENT BULK										PK BF = 1.00
COMPUTE NM HYD	D60111	-	2	.05580	118.97	4.754	1.59741	1.500	3.331	PER IMP=49.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60110.5 TO THE FLOW FROM SUB-BASIN 60111.										
ADD HYD	D60111.1	11& 2	3	.16040	299.17	13.015	1.52137	1.550	2.914	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60111.1 THROUGH SUB-BASIN 60109.										
ROUTE	D60111.5	3	11	.16040	304.31	13.015	1.52138	1.550	2.964	
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60111.5 TO THE COMBINED FLOW										
*S FROM SUB-BASIN 60109.1.										
ADD HYD	D60111.2	19&11	3	.35510	653.70	28.567	1.50840	1.550	2.876	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60111.2 THROUGH SUB-BASIN 60112.										
ROUTE	D60111.6	3	11	.35510	601.94	28.567	1.50840	1.600	2.649	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/12/1996
INPUT FILE = SB1001B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	D60112	-	2	.09470	191.68	9.291	1.83948	1.550	3.163	PER IMP=66.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60111.6 TO THE FLOW FROM SUB-BASIN 60112.										
ADD HYD	D60112.1	11& 2	3	.44980	767.56	37.858	1.57810	1.600	2.666	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 60112.1 TO THE ROUTED FLOW										
*S FROM SUB-BASIN 60107B.5.										
ADD HYD	D60112.2	15& 3	4	.65830	1060.47	55.796	1.58920	1.600	2.517	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60112.2 THROUGH SUB-BASIN 60118										
*S TO THE HEAD OF THE SACATE BLANCO DIVERSION CHANNEL.										
ROUTE	D60112.5	4	19	.65830	1058.71	55.796	1.58920	1.600	2.513	
*S BULK FLOWS FROM ESCARPMENT EASEMENT										
SEDIMENT BULK										PK BF =1.00
COMPUTE NM HYD	D60113	-	2	.05800	123.20	4.901	1.58448	1.500	3.319	PER IMP= 48.00
*S BULK FLOWS FROM ESCARPMENT EASEMENT										
SEDIMENT BULK										PK BF =1.04
COMPUTE NM HYD	D60114	-	3	.21620	434.56	16.358	1.41863	1.500	3.141	PER IMP=37.00
*S ADD THE FLOW FROM SUB-BASIN 60113 TO THE FLOW FROM SUB-BASIN 60114.										
ADD HYD	D60114.1	2& 3	4	.27420	557.76	21.259	1.45371	1.500	3.178	
*S BULK FLOWS FROM ESCARPMENT EASEMENT										
SEDIMENT BULK										PK BF = 1.01
COMPUTE NM HYD	D60115	-	2	.07640	161.02	6.366	1.56246	1.500	3.293	PER IMP=46.53
*S ADD THE COMBINED FLOW FROM SUB-BASIN 60114.1 TO THE FLOW FROM SUB-BASIN 60115										
ADD HYD	D60115.1	2& 4	3	.35060	718.78	27.626	1.47741	1.500	3.203	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60115.1 THROUGH SUB-BASIN 60116										
ROUTE	D60115.5	3	11	.35060	691.37	27.626	1.47741	1.550	3.081	
*S NO BULK FLOWS										
SEDIMENT BULK										PK BF = 1.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/12/1996
INPUT FILE = SB1001B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	D60116	-	2	.13810	294.46	11.766	1.59742	1.500	3.332	PER IMP=49.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60115.5 TO THE FLOW FROM SUB-BASIN 60116.										
ADD HYD	D60116.1	11& 2	3	.48870	961.94	39.391	1.51132	1.500	3.076	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60116.1 THROUGH SUB-BASIN 60117,										
*S TO THE HEAD OF THE SACATE BLANCO DIVERSION CHANNEL.										
ROUTE	D60116.5	3	11	.48870	866.59	39.391	1.51132	1.600	2.771	
COMPUTE NM HYD	D60117	-	2	.10650	214.18	10.749	1.89239	1.550	3.142	PER IMP=69.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60116.5 TO THE FLOW FROM SUB-BASIN 60117										
*S HYD NO. D60117.1 IS ***** AP 61 *****										
ADD HYD	D60117.1	11& 2	3	.59520	1069.62	50.140	1.57950	1.550	2.808	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 60117.1 TO THE ROUTED FLOW										
*S FROM SUB-BASIN 60112.5.										
ADD HYD	D60117.2	19& 3	4	1.25350	2119.42	105.936	1.58460	1.600	2.642	
*S ROUTE THE COMBINED FLOW FROM SUB-BASIN 60117.2 THROUGH SUB-BASIN 60118,										
*S IN THE SACATE BLANCO DIVERSION CHANNEL.										
ROUTE	D60117.5	4	11	1.25350	1949.83	105.935	1.58459	1.650	2.430	
COMPUTE NM HYD	D60118	-	2	.08550	136.72	8.060	1.76761	1.600	2.499	PER IMP=63.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 60117.5 TO THE FLOW FROM SUB-BASIN 60118.										
ADD HYD	D60118.1	11& 2	3	1.33900	2082.45	113.996	1.59628	1.650	2.430	
*S ADD THE COMBINED FLOW FROM SUB-BASIN 60118.1 TO THE COMBINED FLOW										
*S FROM SUB-BASIN 60103.1										
*S HYD NO. SB100E1B.HYD IS ***** AP 62 *****										
ADD HYD	SB100D1B.HYD	9& 3	99	1.52830	2379.53	131.436	1.61253	1.650	2.433	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AMYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/12/1996

INPUT FILE = SB1001B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME=.00
*S										
*S	SNOW VISTA									
*S										
*S										
*S										
*S 100-YR, 24-HR STORM WITH NO SEDIMENT**										
*S FILE NAME : SV100D1B.DAT										
*S BY: TOM BLAINE AND RICHARD STOCKTON/K. JACOBSEN										
*S LAST REVISION: 03-09-99										
*S100 YEAR 24HR STORM DEVELOPED CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
COMPUTE NM HYD	100.00	-	2	.13520	340.82	15.597	2.16311	1.500	3.939	PER IMP=85.00
ROUTE RESERVOIR	100.10	2	5	.13520	111.60	15.611	2.16501	1.850	1.290	AC-FT=4.075
ROUTE	100.20	5	3	.13520	112.75	15.611	2.16502	1.400	1.303	
ROUTE	100.30	3	10	.13520	114.14	15.611	2.16502	1.450	1.319	
COMPUTE NM HYD	110.00	-	2	.07170	181.36	8.272	2.16311	1.500	3.952	PER IMP=85.00
ROUTE RESERVOIR	110.10	2	5	.07170	59.19	8.377	2.19060	2.600	1.290	AC-FT=.001
ROUTE	110.20	5	11	.07170	61.29	8.377	2.19061	1.400	1.336	
COMPUTE NM HYD	120.00	-	2	.04030	101.99	4.649	2.16311	1.500	3.954	PER IMP=85.00
ROUTE RESERVOIR	120.10	2	5	.04030	33.30	4.654	2.16525	1.850	1.291	AC-FT=1.219
ADD HYD	120.20	11& 5	12	.11200	94.58	13.031	2.18148	1.400	1.319	
ROUTE	120.30	12	11	.11200	95.88	13.031	2.18148	1.400	1.338	
COMPUTE NM HYD	130.00	-	2	.03770	95.41	4.349	2.16311	1.500	3.954	PER IMP=85.00
ROUTE RESERVOIR	130.10	2	5	.03770	31.10	4.349	2.16310	1.850	1.289	AC-FT=1.142

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	130.20	11& 5	12	.14970	126.97	17.380	2.17685	1.400	1.325	
ADD HYD	130.30	10&12	12	.28490	238.38	32.991	2.17123	1.450	1.307	
ROUTE	130.40	12	90	.28490	241.75	32.991	2.17124	1.450	1.326	
COMPUTE NM HYD	140.00	-	2	.04300	105.07	4.718	2.05746	1.500	3.818	PER IMP=79.00
ROUTE RESERVOIR	140.10	2	5	.04300	35.50	4.739	2.06628	1.800	1.290	AC-FT=1.198
ROUTE	140.20	5	11	.04300	36.97	4.739	2.06630	1.400	1.343	
COMPUTE NM HYD	150.00	-	2	.02420	55.95	2.451	1.89898	1.500	3.612	PER IMP=70.00
ROUTE RESERVOIR	150.10	2	5	.02420	19.99	2.456	1.90318	1.800	1.291	AC-FT=.589
ADD HYD	150.20	11& 5	12	.06720	56.96	7.195	2.00755	1.400	1.324	
COMPUTE NM HYD	170.00	-	70	.02853	65.96	2.889	1.89898	1.500	3.612	PER IMP=70.00
ROUTE RESERVOIR	150.10	70	5	.02853	23.61	2.893	1.90140	1.800	1.293	AC-FT=.693
ADD HYD	170.20	12& 5	12	.09573	80.56	10.088	1.97591	1.400	1.315	
ROUTE	150.30	12	11	.09573	83.24	10.088	1.97592	1.400	1.359	
COMPUTE NM HYD	160.00	-	2	.02170	50.17	2.198	1.89898	1.500	3.612	PER IMP=70.00
ROUTE RESERVOIR	160.10	2	5	.02170	15.89	2.198	1.89896	1.850	1.144	AC-FT=.888
ADD HYD	160.20	11& 5	12	.11743	94.99	12.286	1.96168	1.850	1.264	
ROUTE	170.40	12	11	.11743	94.99	12.286	1.96169	1.850	1.264	
COMPUTE NM HYD	180.00	-	2	.02810	64.96	2.846	1.89898	1.500	3.612	PER IMP=70.00
ROUTE RESERVOIR	180.10	2	5	.02810	23.20	2.854	1.90432	1.800	1.290	AC-FT=.684
ADD HYD	180.20	11& 5	10	.14553	118.19	15.140	1.95061	1.850	1.269	
ROUTE	180.30	10	11	.14553	118.20	15.140	1.95061	1.850	1.269	
COMPUTE NM HYD	190.00	-	2	.03130	79.22	3.611	2.16311	1.500	3.955	PER IMP=85.00
ROUTE RESERVOIR	190.10	2	5	.03130	25.80	3.611	2.16310	1.850	1.288	AC-FT=.950
ADD HYD	190.00	90& 5	1	.31620	267.54	36.602	2.17043	1.450	1.322	
ROUTE	190.20	1	10	.31620	271.17	36.602	2.17043	1.450	1.340	
ADD HYD	190.30	11&10	12	.46173	380.80	51.742	2.10114	1.450	1.289	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	200.00	-	2	.02520	49.60	2.074	1.54349	1.500	3.075	PER IMP=52.00
*S THE VOLUME FROM 200.1 IS THE SNOW VISTA POND VOLUME UNDER DEV. COND.										
*S HYD=200.1 IS *****AP 21.1*****										
ADD HYD	200.10	2&12	10	.48693	423.42	53.816	2.07228	1.450	1.359	
ROUTE RESERVOIR	200.20	10	3	.48693	387.71	53.814	2.07218	2.000	1.244	AC-FT=6.455
*S HYD=200.2 IS *****AP 21*****										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
MODIFY TIME	200.20	3	3	.48693	388.53	53.814	2.07218	1.950	1.247	
*S BEGIN ONSITE WATERSHED										
COMPUTE NM HYD	210.00	-	2	.00920	20.66	.871	1.77514	1.500	3.509	PER IMP=61.00
ADD HYD	210.10	3& 2	10	.49613	393.57	54.685	2.06667	1.900	1.239	
ROUTE	210.20	10	11	.49613	393.76	54.684	2.06663	1.950	1.240	
COMPUTE NM HYD	220.00	-	2	.00800	17.97	.757	1.77514	1.500	3.510	PER IMP=61.00
ADD HYD	220.10	11& 2	10	.50413	397.90	55.441	2.06200	1.950	1.233	
ROUTE	220.20	10	11	.50413	397.80	55.440	2.06198	1.900	1.233	
COMPUTE NM HYD	230.00	-	2	.00940	21.11	.890	1.77514	1.500	3.509	PER IMP=61.00
ADD HYD	230.10	11& 2	10	.51353	403.48	56.330	2.05673	1.850	1.228	
ROUTE	230.20	10	11	.51353	404.02	56.330	2.05670	1.900	1.229	
COMPUTE NM HYD	240.00	-	2	.01450	32.56	1.373	1.77514	1.500	3.509	PER IMP=61.00
*S END ONSITE WATERSHED										
ADD HYD	240.10	11& 2	10	.52803	412.58	57.702	2.04897	1.800	1.221	
COMPUTE NM HYD	250.00	-	2	.00220	5.04	.201	1.71016	1.500	3.582	PER IMP=50.00
ADD HYD	250.10	10& 2	11	.53023	414.22	57.903	2.04756	1.800	1.221	
COMPUTE NM HYD	260.00	-	2	.01570	34.01	1.443	1.72289	1.500	3.385	PER IMP=60.00
ROUTE	260.10	2	15	.01570	32.36	1.443	1.72292	1.550	3.221	
COMPUTE NM HYD	270.00	-	2	.01020	20.61	.841	1.54680	1.500	3.157	PER IMP=50.00
ADD HYD	270.10	15& 2	16	.02590	52.62	2.284	1.65352	1.500	3.175	
DIVIDE HYD	270.20	16	15	.02035	25.79	1.795	1.65352	1.500	1.980	
	270.30	AND	3	.00555	26.84	.489	1.65352	1.500	7.556	
ROUTE	270.40	3	16	.00555	24.11	.489	1.65360	1.550	6.788	
COMPUTE NM HYD	280.00	-	2	.00220	5.42	.243	2.07506	1.500	3.850	PER IMP=80.00
ADD HYD	280.10	16& 2	17	.00775	28.88	.733	1.77310	1.550	5.821	
ADD HYD	280.20	17&11	10	.53798	419.19	58.636	2.04361	1.750	1.217	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	280.30	10	11	.53798	419.02	58.632	2.04348	1.750	1.217	
COMPUTE NM HYD	290.00	-	2	.00670	12.00	.421	1.17900	1.500	2.799	PER IMP=25.00
ADD HYD	290.10	11& 2	10	.54468	424.08	59.053	2.03284	1.700	1.217	
COMPUTE NM HYD	300.00	-	2	.07090	179.34	8.179	2.16311	1.500	3.952	PER IMP=85.00
ROUTE RESERVOIR	300.10	2	5	.07090	58.60	8.192	2.16634	1.850	1.291	AC-FT=2.142
ROUTE	300.20	5	11	.07090	58.59	8.192	2.16636	2.350	1.291	
COMPUTE NM HYD	310.00	-	2	.08640	214.61	9.724	2.11028	1.500	3.881	PER IMP=82.00
ROUTE RESERVOIR	310.10	2	5	.08640	71.30	9.826	2.13237	1.800	1.289	AC-FT=2.505
ADD HYD	310.20	11& 5	12	.15730	129.89	18.018	2.14769	2.300	1.290	
ROUTE	310.30	12	11	.15730	129.89	18.018	2.14769	2.300	1.290	
ROUTE	310.40	11	13	.15730	129.89	18.018	2.14769	2.350	1.290	
COMPUTE NM HYD	320.00	-	2	.05470	122.45	5.283	1.81093	1.500	3.498	PER IMP=65.00
ROUTE RESERVOIR	320.10	2	5	.05470	16.32	5.206	1.78457	2.100	.466	AC-FT=3.035
ROUTE	320.20	5	11	.05470	16.32	5.205	1.78432	2.150	.466	
COMPUTE NM HYD	330.00	-	2	.02380	53.29	2.299	1.81093	1.500	3.498	PER IMP=65.00
ADD HYD	330.10	11& 2	12	.07850	63.27	7.504	1.79239	1.500	1.259	
ADD HYD	330.20	12&13	14	.23580	190.99	25.522	2.02940	1.500	1.266	
ROUTE	330.30	14	12	.23580	189.79	25.521	2.02938	1.550	1.258	
ROUTE	330.40	12	11	.23580	190.04	25.521	2.02933	1.550	1.259	
ROUTE	330.50	15	17	.02035	25.49	1.795	1.65356	1.550	1.957	
ROUTE	330.60	17	16	.02035	25.11	1.795	1.65356	1.550	1.928	
COMPUTE NM HYD	340.00	-	2	.01550	31.31	1.279	1.54680	1.500	3.156	PER IMP=50.00
ADD HYD	340.10	16& 2	15	.03585	55.01	3.073	1.60737	1.500	2.398	
ROUTE	340.20	15	16	.03585	54.76	3.073	1.60739	1.500	2.387	
ROUTE	340.30	16	15	.03585	54.42	3.073	1.60739	1.500	2.372	
COMPUTE NM HYD	350.00	-	2	.04830	97.54	3.985	1.54680	1.500	3.155	PER IMP=50.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	350.10	15& 2	16	.08415	151.96	7.058	1.57260	1.500	2.822	
ROUTE	350.20	16	15	.08415	151.86	7.058	1.57261	1.500	2.820	
ROUTE	350.30	15	16	.08415	150.38	7.058	1.57261	1.500	2.792	
COMPUTE NM HYD	360.00	-	2	.02080	42.01	1.716	1.54680	1.500	3.156	PER IMP=50.00
ADD HYD	360.10	16& 2	15	.10495	192.40	8.774	1.56748	1.500	2.864	
ADD HYD	360.20	15&11	17	.34075	379.27	34.295	1.88709	1.500	1.739	
ROUTE	360.30	17	16	.34075	377.82	34.295	1.88708	1.500	1.732	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	360.40	16&10	15	.88543	741.01	93.348	1.97675	1.600	1.308	
COMPUTE NM HYD	370.00	-	2	.01830	36.97	1.510	1.54680	1.500	3.156	PER IMP=50.00
ROUTE RESERVOIR	370.10	2	5	.01830	6.64	1.510	1.54678	2.050	.567	AC-FT=.768
*S HYD=AP22 IS *****AP 22*****										
ADD HYD	AP22	5&15	22	.90373	747.11	94.857	1.96804	1.600	1.292	
ROUTE	100.00	22	88	.90373	752.81	94.856	1.96801	1.600	1.302	
*S COMPUTE HYD FOR BASIN 301.61										
COMPUTE NM HYD	301.61	-	61	.03590	84.71	3.399	1.77514	1.500	3.687	PER IMP=61.00
*S ROUTE ID=61 THROUGH POND.61										
ROUTE RESERVOIR	.61	61	1	.03590	26.35	3.411	1.78163	1.750	1.147	AC-FT=1.154
*S ROUTE THIS FLOW DOWN THE 24" STORM DRAIN PIPE TO POND.62										
ROUTE	.61	1	11	.03590	26.36	3.411	1.78166	1.800	1.147	
*S HYDROGRAPH ID = 11 IS THE ROUTED FLOW OUT OF POND.61										
*S COMPUTE HYD FOR BASIN 301.62										
COMPUTE NM HYD	301.62	-	62	.03440	81.18	3.257	1.77514	1.500	3.687	PER IMP=61.00
*S ROUTE ID=62 THROUGH POND.62										
ROUTE RESERVOIR	.62	62	1	.03440	25.02	3.267	1.78046	1.800	1.136	AC-FT=1.098
*S ROUTED FLOW OUT OF POND.62										
*S ADD HYD ID=11 TO ID=1 AND ROUTE THIS FLOW THROUGH THE 30" STORM DRAIN										
*S TO POND.63										
ADD HYD	POND.62	1&11	1	.07030	51.38	6.678	1.78106	1.800	1.142	
ROUTE	.62	1	12	.07030	51.40	6.678	1.78107	1.800	1.142	
*S HYDROGRAPH ID = 12 IS THE ROUTED FLOW DOWN THE 30" STORM DRAIN PIPE										
*S COMPUTE HYD FOR BASIN 301.63										
COMPUTE NM HYD	301.63	-	63	.03440	81.18	3.257	1.77514	1.500	3.687	PER IMP=61.00
*S ROUTE ID=63 THROUGH POND.63										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE RESERVOIR	.63	63	1	.03440	25.02	3.267	1.78046	1.800	1.136	AC-FT=1.098
*S ROUTED FLOW OUT OF POND.63										
*S ADD HYD ID=12 TO ID=1 AND ROUTE THIS FLOW THROUGH THE 36" STORM DRAIN										
*S TO POND.64										
ADD HYD	POND.63	1&12	1	.10470	76.42	9.944	1.78086	1.800	1.140	
ROUTE	.63	1	13	.10470	76.44	9.944	1.78087	1.800	1.141	
*S HYDROGRAPH ID = 13 IS THE ROUTED FLOW DOWN THE 36" STORM DRAIN PIPE										
*S TO THE INLET OF POND.64 TO THIS STORM DRAIN PIPE										
*S COMPUTE HYD FOR BASIN 301.64										
COMPUTE NM HYD	301.64	-	64	.03440	81.18	3.257	1.77514	1.500	3.687	PER IMP=61.00
*S ROUTE ID=64 THROUGH POND.64										
ROUTE RESERVOIR	.64	64	1	.03440	25.02	3.267	1.78046	1.800	1.136	AC-FT=1.098
*S ROUTED FLOW OUT OF POND.64										
*S ADD HYD ID=13 TO ID=1 AND ROUTE THIS FLOW THROUGH THE 36" STORM DRAIN										
*S TO POND.65										
ADD HYD	POND.64	1&13	1	.13910	101.46	13.211	1.78076	1.800	1.140	
ROUTE	.64	1	14	.13910	101.46	13.211	1.78077	1.800	1.140	
*S HYDROGRAPH ID = 14 IS THE ROUTED FLOW DOWN THE 36" STORM DRAIN PIPE										
*S TO THE INLET OF POND.64 TO THIS STORM DRAIN PIPE										
*S COMPUTE HYD FOR BASIN 301.65										
COMPUTE NM HYD	301.65	-	65	.03440	81.18	3.257	1.77514	1.500	3.687	PER IMP=61.00
*S ROUTE ID=65 THROUGH POND.65										
ROUTE RESERVOIR	.65	65	1	.03440	25.02	3.267	1.78046	1.800	1.136	AC-FT=1.098
*S ROUTED FLOW OUT OF POND.65										
*S ADD HYD ID=14 TO ID=1 AND ROUTE THIS FLOW THROUGH THE 36" STORM DRAIN										
*S TO SNOW VISTA CHANNEL										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	POND.65	1&14	1	.17350	126.48	16.477	1.78070	1.800	1.139	
*S COMPUTE HYD FOR BASIN 301.05										
COMPUTE NM HYD	301.05	-	5	.03280	77.40	3.105	1.77514	1.500	3.687	PER IMP=61.00
*S TOTAL FLOW AT AP-22.1 IN SNOW VISTA CHANNEL										
ADD HYD	301.00	88& 1	3	1.07723	870.85	111.334	1.93785	1.600	1.263	
*S HYD=AP22.1 IS *****AP 22.1*****										
ADD HYD	AP22.1	3& 5	2	1.11003	916.28	114.439	1.93304	1.600	1.290	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	301.60	2	1	1.11003	925.36	114.436	1.93299	1.600	1.303	
*S COMPUTE HYD FOR BASIN 301.04										
COMPUTE NM HYD	301.04	-	4	.07660	180.72	7.252	1.77515	1.500	3.686	PER IMP=61.00
*S HYD=AP22.2 IS *****AP 22.2*****										
ADD HYD	AP22.2	1& 4	1	1.18663	1031.47	121.688	1.92280	1.600	1.358	
ROUTE	300.00	1	9	1.18663	1037.20	121.687	1.92278	1.600	1.366	
*S COMPUTE HYD FOR BASIN 301.71										
COMPUTE NM HYD	301.71	-	71	.06940	163.75	6.570	1.77514	1.500	3.687	PER IMP=61.00
*S ROUTE THIS FLOW DOWN THE 30" STORM DRAIN PIPE LINE TO 301.72										
ROUTE	.71	71	11	.06940	164.66	6.570	1.77515	1.500	3.707	
*S COMPUTE HYD FOR BASIN 301.72										
COMPUTE NM HYD	301.72	-	72	.04220	99.58	3.995	1.77514	1.500	3.687	PER IMP=61.00
*S ADD BASIN 301.71 AND ROUTE THIS FLOW DOWN THE 42" STORM DRAIN PIPE LINE TO 3										
ADD HYD	301.72	72&11	2	.11160	264.24	10.566	1.77514	1.500	3.700	
ROUTE	.71	2	11	.11160	261.73	10.566	1.77515	1.500	3.664	
*S COMPUTE HYD FOR BASIN 301.74										
COMPUTE NM HYD	301.74	-	74	.00910	21.88	.830	1.71015	1.500	3.757	PER IMP=50.00
*S ADD BASIN 301.72 AND BASIN 301.74										
ADD HYD	301.74	74&11	11	.12070	283.62	11.396	1.77024	1.500	3.671	
*S COMPUTE HYD FOR BASIN 301.73										
COMPUTE NM HYD	301.73	-	73	.01940	45.78	1.837	1.77514	1.500	3.688	PER IMP=61.00
*S ADD HYDGRAPHS FROM										
ADD HYD	301.73	73&11	4	.14010	329.40	13.232	1.77092	1.500	3.674	
*S COMPUTE HYD FOR BASIN 301.03										
COMPUTE NM HYD	301.03	-	3	.34380	810.21	32.549	1.77514	1.500	3.682	PER IMP=61.00
*S HYDROGRAPH ID 73 IS THE INFLOW TO THE SNOW VISTA CHANNEL AT AP-23										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =03/09/1999
INPUT FILE = SV100D1B.DAT USER NO. = STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	301.03	3& 4	73	.48390	1139.61	45.781	1.77392	1.500	3.680	
*S HYD=AP23 IS *****AP 23*****										
ADD HYD	AP23	9&73	1	1.67053	2049.90	167.468	1.87966	1.500	1.917	
ROUTE	400.00	1	2	1.67053	2053.94	167.467	1.87965	1.500	1.921	
ROUTE	500.00	2	3	1.67053	2003.13	167.464	1.87961	1.550	1.874	
ROUTE	600.00	3	4	1.67053	2017.48	167.462	1.87959	1.550	1.887	
*S COMPUTE HYD FOR BASIN 301.02										
COMPUTE NM HYD	301.02	-	2	.03910	92.26	3.702	1.77514	1.500	3.687	PER IMP=61.00
ROUTE RESERVOIR	.02	2	1	.03910	44.19	3.702	1.77514	1.650	1.766	AC-FT=1.152
ADD HYD	AP23.1	4& 1	3	1.70963	2057.50	171.164	1.87720	1.550	1.880	
ROUTE	700.00	3	2	1.70963	2032.31	171.155	1.87711	1.550	1.857	
*S COMPUTE HYD FOR BASIN 301.01										
COMPUTE NM HYD	301.01	-	1	.07810	184.26	7.394	1.77514	1.500	3.686	PER IMP=61.00
ROUTE RESERVOIR	.01	1	5	.07810	102.50	7.394	1.77514	1.600	2.051	AC-FT=1.789
ADD HYD	AP23.2	5& 2	6	1.78773	2134.77	178.549	1.87265	1.550	1.866	
ROUTE	800.00	6	4	1.78773	2040.74	178.536	1.87252	1.600	1.784	
*S COMPUTE HYD FOR BASIN 301.00										
COMPUTE NM HYD	300.00	-	1	.05156	121.85	4.904	1.78334	1.500	3.693	PER IMP=61.62
ROUTE RESERVOIR	.01	1	5	.05156	42.85	4.904	1.78334	1.750	1.299	AC-FT=1.796
*S HYD=AP24 IS *****AP 24*****										
ADD HYD	AP24	5& 4	2	1.83929	2083.47	183.440	1.87002	1.600	1.770	
ROUTE	SV100D1B.HYD	2	66	1.83929	2049.13	183.431	1.86992	1.600	1.741	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME=.00
*S	WESTGATE DAM									
*S										
*S										
*S	100-YR, 24-HR STORM WITH SEDIMENT									
*S	FILE NAME: WG100D1B.DAT									
*S	BY: RICHARD STOCKTON PEER REVIEWED BY: DEBORAH DIXON									
*S	LAST REVISION: 07-23-96									
*S	ANALYSIS ASSUMPTIONS:									
*S	1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION.									
*S										
*S	2. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL									
*S	HYDROGRAPH COULD BE USED IN THE AMOLE ARROYO DEVELOPED CONDITIONS MODEL									
*S	AA100D1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE & HUBBELL SY									
*S										
RAINFALL	TYPE= 2									RAIN24=2.660
COMPUTE NM HYD	418.00	-	1	1.49581	1872.81	125.528	1.57350	1.700	1.956	PER IMP=48.00
COMPUTE NM HYD	417.00	-	2	.13909	150.05	11.672	1.57350	1.800	1.686	PER IMP=48.00
ADD HYD	417.10	1& 2	3	1.63490	2012.23	137.200	1.57350	1.700	1.923	
ROUTE RESERVOIR	417.01	3	4	1.63490	2012.23	137.200	1.57350	1.700	1.923	
ROUTE	417.20	4	5	1.63490	1496.86	137.200	1.57350	1.850	1.431	
COMPUTE NM HYD	419.00	-	1	.19715	250.88	16.545	1.57350	1.700	1.988	PER IMP=48.00
COMPUTE NM HYD	420.00	-	2	.18889	228.37	15.852	1.57350	1.700	1.889	PER IMP=48.00
ADD HYD	419.10	1& 2	3	.38604	479.25	32.396	1.57349	1.700	1.940	
ADD HYD	420.10	3& 5	4	2.02094	1890.08	169.597	1.57350	1.850	1.461	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	420.20	4	5	2.02094	824.67	169.447	1.57211	2.250	.638	
COMPUTE NM HYD	416.00	-	1	.86541	957.80	72.625	1.57350	1.750	1.729	PER IMP=48.00
ROUTE	416.10	1	2	.86541	440.70	72.472	1.57019	2.150	.796	
ADD HYD	416.20	2& 5	3	2.88635	1260.58	241.919	1.57153	2.200	.682	
COMPUTE NM HYD	415.00	-	1	.15228	269.08	12.779	1.57350	1.550	2.761	PER IMP=48.00
ROUTE RESERVOIR	415.01	1	2	.15228	269.08	12.779	1.57350	1.550	2.761	
COMPUTE NM HYD	414.00	-	1	.11235	142.83	9.428	1.57350	1.700	1.986	PER IMP=48.00
ADD HYD	414.10	2& 1	4	.26463	377.00	22.208	1.57349	1.600	2.226	
ROUTE RESERVOIR	414.01	4	2	.26463	377.00	22.208	1.57349	1.600	2.226	
ROUTE	414.30	2	1	.26463	168.23	22.182	1.57165	1.900	.993	
COMPUTE NM HYD	411.00	-	2	.29891	426.42	25.084	1.57350	1.650	2.229	PER IMP=48.00
ADD HYD	411.10	1& 2	4	.56354	545.66	47.266	1.57263	1.650	1.513	
ROUTE	411.20	4	1	.56354	523.52	47.263	1.57251	1.750	1.452	
COMPUTE NM HYD	412.00	-	2	1.18559	1330.28	99.495	1.57350	1.750	1.753	PER IMP=48.00
ADD HYD	412.10	1& 2	4	1.74913	1853.80	146.757	1.57318	1.750	1.656	
ADD HYD	412.20	4& 3	1	4.63548	2479.44	388.676	1.57215	1.900	.836	
ROUTE	412.30	1	5	4.63548	1399.24	388.421	1.57112	2.450	.472	
COMPUTE NM HYD	424.00	-	1	.33534	463.50	28.142	1.57350	1.650	2.160	PER IMP=48.00
ROUTE RESERVOIR	424.01	1	2	.33534	463.50	28.142	1.57350	1.650	2.160	
COMPUTE NM HYD	421.00	-	1	.33184	443.53	27.848	1.57350	1.650	2.088	PER IMP=48.00
ADD HYD	421.10	1& 2	3	.66718	907.02	55.990	1.57350	1.650	2.124	
ROUTE	421.20	3	1	.66718	745.81	55.989	1.57349	1.750	1.747	
COMPUTE NM HYD	422.00	-	2	.14367	177.15	12.057	1.57350	1.700	1.927	PER IMP=48.00
ADD HYD	422.10	1& 2	3	.81085	920.12	68.046	1.57349	1.700	1.773	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	422.20	3	1	.81085	535.65	68.015	1.57276	1.900	1.032	
COMPUTE NM HYD	423.00	-	2	.05985	56.31	5.023	1.57350	1.900	1.470	PER IMP=48.00
ADD HYD	423.10	1& 2	3	.87070	591.96	73.037	1.57281	1.900	1.062	
ROUTE	423.20	3	1	.87070	284.70	72.607	1.56355	2.500	.511	
COMPUTE NM HYD	413.00	-	2	1.00011	1191.16	83.929	1.57350	1.700	1.861	PER IMP=48.00
ADD HYD	413.10	1& 2	3	1.87081	1236.88	156.536	1.56887	1.750	1.033	
ROUTE	413.20	3	1	1.87081	959.97	156.346	1.56696	1.950	.802	
COMPUTE NM HYD	410.00	-	2	1.38956	1697.81	116.612	1.57350	1.700	1.909	PER IMP=48.00
ADD HYD	410.10	1& 2	3	3.26037	2444.42	272.958	1.56975	1.800	1.171	
ADD HYD	410.20	3& 5	4	7.89585	3027.44	661.378	1.57055	1.850	.599	
ROUTE RESERVOIR	410.01	4	1	7.89585	3027.44	661.378	1.57055	1.850	.599	
ROUTE	410.30	1	2	7.89585	2618.92	660.903	1.56942	2.250	.518	
COMPUTE NM HYD	409.00	-	1	.46618	669.79	39.122	1.57350	1.650	2.245	PER IMP=48.00
ROUTE	409.10	1	3	.46618	181.47	38.806	1.56078	2.050	.608	
COMPUTE NM HYD	408.00	-	1	1.38633	1674.02	116.341	1.57350	1.700	1.887	PER IMP=48.00
ADD HYD	408.10	1& 3	4	1.85251	1799.38	155.146	1.57030	1.750	1.518	
ADD HYD	408.20	4& 2	2	9.74836	3590.09	816.049	1.56959	1.950	.575	
ROUTE RESERVOIR	410.01	2	5	9.74836	243.83	532.611	1.02442	7.900	.039	AC-FT= 53.553
ROUTE	408.30	5	1	9.74836	243.81	528.625	1.01676	8.150	.039	
COMPUTE NM HYD	403.00	-	2	.48341	648.72	42.989	1.66741	1.700	2.097	PER IMP=53.70
ADD HYD	403.10	1& 2	3	10.23177	686.76	571.614	1.04750	1.700	.105	
ROUTE	408.30	3	19	10.23177	597.36	568.539	1.04186	1.800	.091	
COMPUTE NM HYD	406.00	-	1	.05788	93.75	6.453	2.09027	1.700	2.531	PER IMP=78.40
DIVIDE HYD	406.10	1	2	.05698	84.00	6.352	2.09026	1.600	2.304	
	406.20	AND	3	.00090	9.75	.101	2.09027	1.700	16.895	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = WG100D1B.DAT

RUN DATE (MON/DAY/YR) =08/06/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	406.30	3	1	.00090	1.86	.101	2.09886	1.750	3.224	
COMPUTE NM HYD	407.00	-	2	.06012	106.50	5.045	1.57350	1.550	2.768	PER IMP=48.00
ROUTE RESERVOIR	407.01	2	3	.06012	106.50	5.045	1.57350	1.550	2.768	
ROUTE	407.10	3	2	.06012	30.32	5.036	1.57052	1.850	.788	
COMPUTE NM HYD	404.00	-	3	.22811	345.30	26.223	2.15542	1.700	2.365	PER IMP=83.00
ADD HYD	404.10	1& 2	4	.06102	31.81	5.137	1.57832	1.850	.814	
ADD HYD	404.20	3& 4	7	.28913	375.63	31.359	2.03362	1.750	2.030	
DIVIDE HYD	404.10	7	2	.14025	46.00	15.211	2.03362	1.400	.512	
	404.20	AND	3	.14889	329.63	16.148	2.03362	1.750	3.459	
DIVIDE HYD	404.20	2	1	.07012	23.00	7.606	2.03362	1.400	.512	
	404.30	AND	4	.07012	23.00	7.606	2.03362	1.400	.512	
ROUTE	404.40	1	2	.07012	23.64	7.606	2.03361	1.450	.527	
ROUTE	404.40	4	1	.07012	23.64	7.606	2.03361	1.450	.527	
ADD HYD	404.50	1& 2	7	.14025	47.29	15.211	2.03361	1.450	.527	
ROUTE	404.60	3	1	.14889	272.69	16.148	2.03367	1.850	2.862	
COMPUTE NM HYD	405.00	-	2	.28007	395.97	27.954	1.87144	1.700	2.209	PER IMP=66.00
ROUTE	405.10	2	3	.28007	187.73	27.904	1.86811	2.000	1.047	
ADD HYD	405.20	3& 1	3	.42896	449.28	44.052	1.92557	1.900	1.637	
COMPUTE NM HYD	402.00	-	2	.21249	346.29	24.221	2.13725	1.700	2.546	PER IMP=81.70
ADD HYD	402.10	2& 3	4	.64145	709.72	68.273	1.99569	1.800	1.729	
ROUTE	402.20	4	2	.64145	663.72	68.271	1.99561	1.950	1.617	
COMPUTE NM HYD	401.00	-	3	.14474	244.79	16.995	2.20159	1.650	2.643	PER IMP=86.00
ADD HYD	401.20	2& 3	5	.78619	823.99	85.266	2.03353	1.900	1.638	
COMPUTE NM HYD	303.00	-	1	.00790	5.00	.597	1.41615	2.200	.989	PER IMP=29.50
ADD HYD	303.10	1& 7	2	.14815	51.09	15.808	2.00068	2.150	.539	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
DIVIDE HYD	303.20	2	1	.14461	46.00	15.431	2.00068	1.450	.497	
	303.30	AND	6	.00353	5.09	.377	2.00068	2.150	2.248	
DIVIDE HYD	303.40	1	2	.07231	23.00	7.715	2.00068	1.450	.497	
	303.40	AND	3	.07231	23.00	7.715	2.00068	1.450	.497	
ROUTE	303.50	2	1	.07231	23.57	7.715	2.00067	1.450	.509	
ROUTE	303.60	3	2	.07231	23.57	7.715	2.00067	1.450	.509	
ADD HYD	303.70	1& 2	3	.14461	47.14	15.430	2.00067	1.450	.509	
COMPUTE NM HYD	302.00	-	1	.01116	9.21	.770	1.29424	1.900	1.289	PER IMP=21.00
ADD HYD	302.10	1& 3	2	.15577	55.40	16.201	1.95006	1.950	.556	
DIVIDE HYD	302.20	2	1	.15000	46.00	15.601	1.95006	1.450	.479	
	302.30	AND	8	.00577	9.40	.600	1.95006	1.950	2.546	
DIVIDE HYD	302.40	1	2	.07500	23.00	7.800	1.95006	1.450	.479	
	302.40	AND	3	.07500	23.00	7.800	1.95006	1.450	.479	
ROUTE	302.40	2	4	.07500	23.74	7.800	1.95005	1.450	.495	
ROUTE	302.50	3	1	.07500	23.74	7.800	1.95005	1.450	.495	
ADD HYD	302.60	4& 1	3	.15000	47.49	15.601	1.95005	1.450	.495	
COMPUTE NM HYD	301.00	-	1	.00593	7.36	.491	1.55240	1.700	1.940	PER IMP=39.00
ROUTE	301.20	1	2	.00593	7.35	.491	1.55241	1.750	1.936	
ADD HYD	301.30	2& 3	7	.15593	53.75	16.092	1.93492	1.750	.539	
COMPUTE NM HYD	300.00	-	2	.00603	12.22	.420	1.30715	1.500	3.167	PER IMP=21.90
ADD HYD	300.10	8& 2	1	.01180	14.28	1.020	1.62145	1.550	1.891	
ROUTE	300.20	1	2	.01180	14.33	1.020	1.62152	1.550	1.897	
COMPUTE NM HYD	304.00	-	1	.00347	7.56	.285	1.53949	1.500	3.405	PER IMP=38.10
ROUTE	304.20	1	3	.00347	7.47	.285	1.53964	1.500	3.363	
ADD HYD	304.30	2& 3	8	.01527	21.18	1.305	1.60281	1.550	2.167	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	305.00	-	9	.00402	8.06	.322	1.50077	1.500	3.132	PER IMP=35.40
ROUTE RESERVOIR	401.01	5	1	.78619	771.95	85.265	2.03352	2.000	1.534	AC-FT=10.316
ROUTE	401.80	1	2	.78619	769.11	85.265	2.03351	2.000	1.529	
COMPUTE NM HYD	307.00	-	4	.01650	20.25	1.295	1.47208	1.700	1.917	PER IMP=33.40
ADD HYD	307.10	6& 4	1	.02003	22.45	1.673	1.56531	1.750	1.750	
ROUTE	307.20	1	3	.02003	21.71	1.673	1.56534	1.750	1.693	
ADD HYD	307.30	3& 2	1	.80622	786.28	86.937	2.02188	2.000	1.524	
COMPUTE NM HYD	315.00	-	2	.00836	15.50	.464	1.04040	1.500	2.896	PER IMP=3.30
ROUTE RESERVOIR	315.01	2	3	.00836	15.50	.464	1.04040	1.500	2.896	
ROUTE	315.10	3	2	.00836	13.74	.464	1.04048	1.550	2.569	
ADD HYD	315.20	1& 2	3	.81458	789.38	87.401	2.01180	2.000	1.514	
COMPUTE NM HYD	312.00	-	1	.03437	68.16	2.278	1.24262	1.500	3.098	PER IMP=17.40
DIVIDE HYD	312.10	1	2	.01719	34.08	1.139	1.24261	1.500	3.098	
	312.20	AND	4	.01719	34.08	1.139	1.24261	1.500	3.098	
ROUTE	312.30	2	5	.01719	32.97	1.139	1.24264	1.550	2.998	
ADD HYD	312.40	3& 5	1	.83177	796.26	88.540	1.99591	2.000	1.496	
COMPUTE NM HYD	314.00	-	3	.01914	35.92	1.100	1.07768	1.500	2.932	PER IMP=5.90
ADD HYD	314.10	1& 3	2	.85091	801.00	89.640	1.97526	2.000	1.471	
ROUTE RESERVOIR	401.02	2	1	.85091	537.83	89.639	1.97522	2.400	.988	AC-FT=15.146
ROUTE	314.90	1	2	.85091	537.79	89.637	1.97519	2.400	.988	
COMPUTE NM HYD	306.00	-	1	.01532	16.22	1.068	1.30715	1.750	1.655	PER IMP=21.90
ROUTE	306.10	1	3	.01532	16.23	1.068	1.30715	1.750	1.655	
ROUTE	306.20	3	1	.01532	14.66	1.068	1.30715	1.850	1.496	
COMPUTE NM HYD	310.00	-	3	.00981	19.71	.670	1.28134	1.500	3.139	PER IMP=20.10
ADD HYD	310.10	3& 1	5	.02513	21.91	1.738	1.29703	1.500	1.362	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	310.20	5	1	.02513	22.16	1.738	1.29706	1.550	1.378	
ADD HYD	310.30	1& 2	3	.87604	543.83	91.376	1.95574	2.400	.970	
ROUTE	310.40	4	5	.01719	33.91	1.139	1.24264	1.500	3.084	
ADD HYD	310.50	5& 3	1	.89322	545.07	92.515	1.94202	2.350	.953	
COMPUTE NM HYD	313.00	-	2	.00787	15.84	.540	1.28564	1.500	3.144	PER IMP=20.40
ADD HYD	313.10	1& 2	3	.90109	545.63	93.054	1.93629	2.350	.946	
ROUTE RESERVOIR	401.03	3	1	.90109	506.40	93.054	1.93629	2.850	.878	AC-FT=7.762
COMPUTE NM HYD	309.00	-	3	.00803	7.00	.579	1.35161	1.900	1.361	PER IMP=25.00
COMPUTE NM HYD	308.00	-	4	.00915	10.41	.785	1.60833	1.800	1.778	PER IMP=42.90
ADD HYD	308.10	3& 4	2	.01718	17.06	1.364	1.48825	1.850	1.552	
ADD HYD	308.20	1& 2	10	.91827	508.49	94.418	1.92790	2.850	.865	
COMPUTE NM HYD	311.00	-	11	.00602	6.75	.529	1.64705	1.800	1.753	PER IMP=45.60
ROUTE	301.10	7	1	.15593	40.49	16.029	1.92732	2.900	.406	
ROUTE	304.10	8	2	.01527	8.32	1.305	1.60277	2.100	.851	
ROUTE	305.10	9	3	.00402	2.66	.322	1.50086	1.750	1.033	
ADD HYD	301.20	1& 2	4	.17120	44.99	17.334	1.89838	2.850	.411	
ADD HYD	301.30	3& 4	1	.17522	45.95	17.655	1.88925	2.850	.410	
COMPUTE NM HYD	145.00	-	2	.12312	191.40	13.093	1.99392	1.700	2.429	PER IMP=71.60
ADD HYD	145.10	1& 2	3	.29834	214.21	30.748	1.93244	1.700	1.122	
ROUTE	145.20	3	1	.29834	211.23	30.742	1.93206	1.700	1.106	
COMPUTE NM HYD	143.00	-	2	.09431	128.30	7.914	1.57350	1.650	2.126	PER IMP=48.00
COMPUTE NM HYD	144.00	-	3	.02602	51.69	2.354	1.69638	1.550	3.104	PER IMP=50.40
ADD HYD	143.10	1& 2	4	.39265	336.17	38.657	1.84593	1.700	1.338	
ADD HYD	143.20	3& 4	1	.41867	366.96	41.011	1.83664	1.700	1.370	
ROUTE	143.30	1	2	.41867	360.27	41.004	1.83636	1.750	1.345	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	141.00	-	1	.03868	76.80	3.246	1.57350	1.500	3.103	PER IMP=48.00
ADD HYD	141.10	1& 2	3	.45735	397.46	44.250	1.81413	1.700	1.358	
COMPUTE NM HYD	140.00	-	1	.09638	129.96	8.088	1.57350	1.650	2.107	PER IMP=48.00
ADD HYD	140.10	1& 3	2	.55373	524.75	52.339	1.77225	1.700	1.481	
ROUTE	140.20	2	1	.55373	443.16	52.317	1.77151	1.800	1.250	
COMPUTE NM HYD	139.00	-	2	.02145	45.00	1.800	1.57350	1.500	3.278	PER IMP=48.00
ADD HYD	139.10	1& 2	3	.57518	457.42	54.117	1.76412	1.800	1.243	
ROUTE	139.20	3	1	.57518	430.66	54.106	1.76378	1.900	1.170	
COMPUTE NM HYD	138.00	-	2	.16332	270.67	13.706	1.57350	1.550	2.590	PER IMP=48.00
ADD HYD	138.10	2& 1	3	.73850	544.14	67.812	1.72170	1.850	1.151	
ROUTE	138.20	3	1	.73850	502.89	67.796	1.72129	1.950	1.064	
COMPUTE NM HYD	129.00	-	2	.39080	606.30	32.796	1.57350	1.600	2.424	PER IMP=48.00
ADD HYD	129.10	1& 2	3	1.12930	846.87	100.592	1.67014	1.650	1.172	
COMPUTE NM HYD	136.00	-	1	.08130	117.65	6.823	1.57350	1.600	2.261	PER IMP=48.00
COMPUTE NM HYD	135.00	-	2	.05923	92.74	4.971	1.57350	1.600	2.447	PER IMP=48.00
ADD HYD	135.10	1& 2	4	.14053	210.39	11.793	1.57349	1.600	2.339	
ROUTE RESERVOIR	135.01	4	1	.14053	210.39	11.793	1.57349	1.600	2.339	
ROUTE	135.20	1	2	.14053	94.30	11.790	1.57303	1.900	1.049	
COMPUTE NM HYD	130.00	-	1	.20469	265.09	17.178	1.57350	1.700	2.024	PER IMP=48.00
ADD HYD	130.10	1& 2	4	.34522	342.64	28.967	1.57331	1.700	1.551	
ROUTE	130.20	4	2	.34522	281.96	28.966	1.57324	1.850	1.276	
COMPUTE NM HYD	125.00	-	1	.03679	66.14	3.087	1.57350	1.550	2.809	PER IMP=48.00
ADD HYD	125.10	1& 2	4	.38201	307.04	32.054	1.57327	1.850	1.256	
ADD HYD	125.20	3& 4	1	1.51131	1117.94	132.645	1.64566	1.800	1.156	
COMPUTE NM HYD	124.00	-	2	.04092	60.54	3.434	1.57350	1.600	2.311	PER IMP=48.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = WG100D1B.DAT

RUN DATE (MON/DAY/YR) =08/06/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	124.10	2& 1	3	1.55223	1162.46	136.079	1.64375	1.750	1.170	
ROUTE	124.20	3	1	1.55223	1161.82	136.075	1.64370	1.800	1.170	
COMPUTE NM HYD	123.00	-	2	.02504	52.64	2.101	1.57350	1.500	3.285	PER IMP=48.00
COMPUTE NM HYD	122.00	-	3	.13622	197.25	11.432	1.57350	1.600	2.263	PER IMP=48.00
ADD HYD	123.10	1& 2	4	1.57727	1179.08	138.176	1.64259	1.750	1.168	
ADD HYD	123.20	3& 4	1	1.71349	1343.79	149.608	1.63709	1.700	1.225	
ROUTE	123.30	1	2	1.71349	1342.24	149.605	1.63706	1.750	1.224	
COMPUTE NM HYD	121.00	-	1	.02100	41.74	1.629	1.45481	1.500	3.106	PER IMP=42.30
ADD HYD	121.10	1& 2	3	1.73449	1357.54	151.234	1.63485	1.750	1.223	
ROUTE	121.20	3	1	1.73449	1362.79	151.233	1.63484	1.750	1.228	
COMPUTE NM HYD	120.00	-	2	.01176	22.89	.839	1.33817	1.500	3.042	PER IMP=32.20
COMPUTE NM HYD	119.00	-	3	.03895	74.01	3.323	1.59952	1.500	2.969	PER IMP=49.40
ADD HYD	119.10	2& 3	4	.05071	96.91	4.162	1.53890	1.500	2.986	
ROUTE	119.20	4	2	.05071	72.57	4.162	1.53891	1.600	2.236	
COMPUTE NM HYD	115.00	-	3	.03760	65.43	2.085	1.03956	1.500	2.719	PER IMP=12.60
ROUTE	115.10	3	4	.03760	65.38	2.085	1.03958	1.500	2.717	
COMPUTE NM HYD	112.00	-	3	.04603	79.27	2.501	1.01863	1.500	2.691	PER IMP=11.50
ADD HYD	112.10	1& 2	5	1.78520	1420.57	155.395	1.63211	1.750	1.243	
ADD HYD	112.20	3& 5	2	1.83123	1447.76	157.896	1.61669	1.750	1.235	
ADD HYD	112.30	4& 2	1	1.86883	1470.45	159.980	1.60508	1.750	1.229	
ROUTE	311.40	11	2	.00602	5.19	.529	1.64703	2.000	1.347	
COMPUTE NM HYD	149.00	-	3	.03482	89.77	4.068	2.19075	1.500	4.028	PER IMP=85.10
ADD HYD	311.10	2& 3	4	.04084	89.96	4.597	2.11057	1.500	3.442	
DIVIDE HYD	311.20	4	2	.01389	30.59	1.563	2.11057	1.500	3.442	
	311.30	AND	3	.02695	59.38	3.034	2.11057	1.500	3.442	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = WG100D1B.DAT

RUN DATE (MON/DAY/YR) =08/06/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
DIVIDE HYD	311.20	3	4	.01348	29.69	1.517	2.11056	1.500	3.442	
	311.20	AND	5	.01348	29.69	1.517	2.11056	1.500	3.442	
ROUTE	311.20	2	3	.01389	30.66	1.563	2.11057	1.500	3.450	
ROUTE	311.20	4	2	.01348	29.74	1.517	2.11057	1.500	3.448	
ROUTE	311.20	5	4	.01348	29.74	1.517	2.11057	1.500	3.448	
ADD HYD	311.30	2& 3	5	.02736	60.39	3.080	2.11051	1.500	3.449	
ADD HYD	311.40	5& 4	2	.04084	90.13	4.597	2.11051	1.500	3.448	
ROUTE	311.30	2	3	.04084	55.97	4.597	2.11056	1.600	2.141	
COMPUTE NM HYD	148.00	-	2	.01588	33.39	1.333	1.57350	1.500	3.286	PER IMP=48.00
ROUTE	148.10	2	4	.01588	33.17	1.333	1.57353	1.500	3.263	
ROUTE	148.20	4	2	.01588	13.57	1.332	1.57314	1.700	1.335	
COMPUTE NM HYD	147.00	-	4	.00565	11.89	.474	1.57350	1.500	3.288	PER IMP=48.00
ROUTE	147.10	4	5	.00565	11.75	.474	1.57359	1.500	3.249	
ROUTE	147.20	5	4	.00565	4.82	.474	1.57350	1.650	1.333	
COMPUTE NM HYD	146.00	-	5	.05976	99.09	5.512	1.72957	1.600	2.591	PER IMP=56.00
ADD HYD	146.10	2& 3	6	.05672	68.55	5.929	1.96008	1.600	1.888	
ADD HYD	146.20	4& 6	2	.06237	73.07	6.403	1.92504	1.600	1.831	
ADD HYD	146.30	5& 2	3	.12213	172.16	11.916	1.82939	1.600	2.203	
COMPUTE NM HYD	154.00	-	2	.01947	52.79	2.465	2.37421	1.500	4.236	PER IMP=96.70
ROUTE	154.10	2	4	.01947	31.58	2.465	2.37423	1.600	2.535	
COMPUTE NM HYD	153.00	-	2	.00646	15.14	.781	2.26606	1.550	3.661	PER IMP=90.00
ROUTE	153.10	2	5	.00646	6.90	.781	2.26612	1.750	1.670	
COMPUTE NM HYD	152.00	-	2	.07224	103.82	6.278	1.62956	1.650	2.245	PER IMP=54.70
ADD HYD	152.10	2& 4	6	.09171	134.58	8.744	1.78764	1.600	2.293	
ADD HYD	152.20	5& 6	2	.09817	140.81	9.524	1.81912	1.650	2.241	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	152.30	2	5	.09817	142.44	9.524	1.81913	1.650	2.267	
ADD HYD	152.40	3& 5	2	.22030	310.17	21.440	1.82481	1.650	2.200	
ROUTE	152.30	10	3	.91827	507.66	94.413	1.92781	2.900	.864	
COMPUTE NM HYD	150.00	-	4	.03482	84.93	3.626	1.95249	1.500	3.811	PER IMP=67.20
ROUTE	150.10	4	5	.03482	61.05	3.626	1.95250	1.600	2.740	
COMPUTE NM HYD	142.00	-	4	.12769	269.42	12.048	1.76912	1.500	3.297	PER IMP=58.80
ADD HYD	142.20	3& 4	6	1.04596	511.70	106.461	1.90843	2.900	.764	
ADD HYD	142.30	5& 6	3	1.08078	513.23	110.087	1.90985	2.850	.742	
ROUTE RESERVOIR	142.01	3	4	1.08078	513.23	110.087	1.90985	2.850	.742	
ROUTE	142.40	4	3	1.08078	513.18	110.083	1.90979	2.900	.742	
COMPUTE NM HYD	137.00	-	4	..08668	157.25	7.274	1.57350	1.550	2.835	PER IMP=48.00
ADD HYD	137.10	3& 4	5	1.16746	516.36	117.357	1.88482	2.900	.691	
COMPUTE NM HYD	134.00	-	4	.04029	82.28	3.381	1.57350	1.500	3.191	PER IMP=48.00
ADD HYD	134.10	4& 2	6	.26059	371.03	24.821	1.78596	1.600	2.225	
ADD HYD	134.20	6& 5	2	1.42805	864.25	142.179	1.86678	1.600	.946	
ROUTE	134.30	2	3	1.42805	872.06	142.177	1.86675	1.600	.954	
COMPUTE NM HYD	132.00	-	2	.02692	56.60	2.259	1.57350	1.500	3.285	PER IMP=48.00
COMPUTE NM HYD	133.00	-	4	.03939	81.85	3.306	1.57350	1.500	3.247	PER IMP=48.00
ADD HYD	133.10	2& 3	5	1.45497	911.87	144.436	1.86133	1.600	.979	
ADD HYD	133.20	4& 5	2	1.49436	970.84	147.742	1.85374	1.600	1.015	
ROUTE	133.30	2	3	1.49436	954.74	147.738	1.85370	1.600	.998	
COMPUTE NM HYD	151.00	-	2	.02907	62.38	2.579	1.66330	1.500	3.353	PER IMP=55.00
ROUTE	151.10	2	4	.02907	49.30	2.579	1.66332	1.550	2.650	
COMPUTE NM HYD	131.00	-	2	.05707	105.16	3.993	1.31185	1.500	2.879	PER IMP=30.80
ADD HYD	131.10	2& 3	5	1.55143	1035.94	151.731	1.83377	1.600	1.043	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = WG100D1B.DAT

RUN DATE (MON/DAY/YR) =08/06/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	131.20	4& 5	2	1.58050	1084.36	154.310	1.83063	1.600	1.072	
ROUTE	131.30	2	3	1.58050	1049.68	154.306	1.83058	1.650	1.038	
COMPUTE NM HYD	127.00	-	2	.04370	85.46	3.168	1.35916	1.500	3.056	PER IMP=33.90
ADD HYD	127.10	2& 3	4	1.62420	1097.31	157.474	1.81790	1.650	1.056	
ROUTE	127.20	4	2	1.62420	1092.11	157.471	1.81787	1.650	1.051	
COMPUTE NM HYD	128.00	-	3	.07690	159.88	6.483	1.58068	1.500	3.248	PER IMP=48.00
ROUTE	128.10	3	4	.07690	158.11	6.483	1.58068	1.550	3.212	
COMPUTE NM HYD	126.00	-	3	.07448	133.69	5.662	1.42541	1.550	2.805	PER IMP=37.70
ADD HYD	126.10	3& 4	5	.15138	291.80	12.145	1.50428	1.550	3.012	
ROUTE	126.20	5	3	.15138	290.61	12.145	1.50429	1.550	3.000	
ADD HYD	126.30	2& 3	4	1.77558	1316.88	169.617	1.79114	1.650	1.159	
COMPUTE NM HYD	118.00	-	2	.06353	112.29	3.674	1.08419	1.500	2.762	PER IMP=15.80
ADD HYD	118.10	2& 4	3	1.83911	1380.43	173.290	1.76672	1.650	1.173	
ROUTE	118.20	3	2	1.83911	1385.20	173.288	1.76670	1.650	1.177	
COMPUTE NM HYD	116.00	-	3	.01678	27.77	.823	.92000	1.500	2.586	PER IMP=5.00
COMPUTE NM HYD	117.00	-	4	.01804	30.10	.904	.93979	1.500	2.607	PER IMP=6.30
COMPUTE NM HYD	114.00	-	5	.01552	28.49	.978	1.18201	1.500	2.868	PER IMP=22.20
ADD HYD	114.10	2& 3	6	1.85589	1401.08	174.111	1.75904	1.650	1.180	
ADD HYD	114.20	4& 6	2	1.87393	1418.27	175.016	1.75116	1.650	1.183	
ADD HYD	114.30	5& 2	3	1.88945	1434.30	175.994	1.74648	1.650	1.186	
ROUTE	114.40	3	2	1.88945	1433.32	175.992	1.74646	1.650	1.185	
COMPUTE NM HYD	113.00	-	5	.01992	33.85	1.047	.98515	1.500	2.655	PER IMP=9.30
ADD HYD	113.10	5& 2	4	1.90937	1452.60	177.038	1.73851	1.650	1.189	
ADD HYD	112.10	1& 4	3	3.77820	2902.40	337.018	1.67251	1.700	1.200	
ROUTE	112.20	3	1	3.77820	2926.43	337.013	1.67249	1.700	1.210	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	111.00	-	2	.00906	15.00	.445	.92000	1.500	2.587	PER IMP=5.00
ADD HYD	111.10	1& 2	3	3.78726	2933.01	337.458	1.67069	1.700	1.210	
ROUTE	111.20	3	1	3.78726	2961.32	337.452	1.67066	1.700	1.222	
COMPUTE NM HYD	110.00	-	2	.04352	77.84	2.590	1.11568	1.500	2.795	PER IMP=17.90
ADD HYD	110.10	1& 2	3	3.83078	2995.70	340.041	1.66435	1.700	1.222	
ROUTE	110.20	3	1	3.83078	3047.57	340.038	1.66434	1.700	1.243	
COMPUTE NM HYD	109.00	-	2	.02638	44.83	1.386	.98515	1.500	2.655	PER IMP=9.30
COMPUTE NM HYD	108.00	-	3	.00781	13.04	.391	.93979	1.500	2.608	PER IMP=6.30
ADD HYD	109.10	1& 2	4	3.85716	3067.29	341.424	1.65969	1.700	1.243	
ADD HYD	109.20	3& 4	1	3.86497	3073.02	341.815	1.65824	1.700	1.242	
ROUTE	109.30	1	2	3.86497	3094.18	341.811	1.65822	1.700	1.251	
COMPUTE NM HYD	107.00	-	1	.02163	35.79	1.061	.92000	1.500	2.585	PER IMP=5.00
ADD HYD	107.10	1& 2	3	3.88660	3109.89	342.872	1.65411	1.700	1.250	
ROUTE	107.20	3	1	3.88660	3081.22	342.866	1.65408	1.700	1.239	
COMPUTE NM HYD	106.00	-	2	.04128	70.14	2.169	.98515	1.500	2.655	PER IMP=9.30
ADD HYD	106.10	1& 2	3	3.92788	3112.07	345.035	1.64705	1.700	1.238	
ROUTE	106.20	3	1	3.92788	3133.43	345.030	1.64702	1.750	1.246	
COMPUTE NM HYD	105.00	-	2	.02584	43.91	1.358	.98515	1.500	2.655	PER IMP=9.30
COMPUTE NM HYD	104.00	-	3	.01579	28.25	.940	1.11568	1.500	2.796	PER IMP=17.90
ADD HYD	104.10	2& 3	4	.04163	72.16	2.297	1.03465	1.500	2.708	
ADD HYD	104.20	1& 4	2	3.96951	3158.25	347.327	1.64060	1.750	1.243	
ROUTE	104.30	2	1	3.96951	3172.37	347.323	1.64058	1.750	1.249	
COMPUTE NM HYD	103.00	-	2	.02997	49.99	1.502	.93979	1.500	2.606	PER IMP=6.30
ADD HYD	103.10	1& 2	3	3.99948	3189.27	348.825	1.63533	1.750	1.246	
ROUTE	103.20	3	1	3.99948	3138.22	348.812	1.63527	1.750	1.226	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	101.00	-	2	.08444	155.06	5.213	1.15761	1.500	2.869	PER IMP=19.30
COMPUTE NM HYD	102.00	-	3	.02692	48.15	1.602	1.11568	1.500	2.795	PER IMP=17.90
ADD HYD	101.10	1& 2	4	4.08392	3192.60	354.025	1.62539	1.750	1.221	
ADD HYD	101.20	3& 4	10	4.11084	3209.40	355.627	1.62205	1.750	1.220	
COMPUTE NM HYD	509.00	-	4	.04047	65.81	3.396	1.57350	1.600	2.541	PER IMP=48.00
ROUTE RESERVOIR	509.01	4	5	.04047	65.81	3.396	1.57350	1.600	2.541	
ROUTE	509.10	5	4	.04047	10.00	3.369	1.56079	2.050	.386	
COMPUTE NM HYD	508.00	-	5	.13308	133.97	12.165	1.71390	1.900	1.573	PER IMP=56.40
ADD HYD	508.10	4& 5	6	.17355	143.72	15.533	1.67820	1.900	1.294	
ROUTE	508.20	6	4	.17355	143.75	15.533	1.67818	1.900	1.294	
ROUTE	508.30	4	5	.17355	85.55	15.529	1.67773	2.300	.770	
COMPUTE NM HYD	506.00	-	4	.68388	837.40	61.485	1.68573	1.750	1.913	PER IMP=54.70
ROUTE	506.10	4	6	.68388	837.85	61.485	1.68573	1.750	1.914	
ROUTE	506.20	6	4	.68388	589.18	61.481	1.68563	1.950	1.346	
COMPUTE NM HYD	507.00	-	6	.72551	954.83	64.910	1.67751	1.700	2.056	PER IMP=54.20
ADD HYD	507.10	4& 5	7	.85743	650.94	77.010	1.68404	1.950	1.186	
ADD HYD	507.20	6& 7	4	1.58294	1401.97	141.920	1.68105	1.800	1.384	
ROUTE	507.30	4	6	1.58294	601.41	141.412	1.67503	2.300	.594	
ROUTE	507.40	6	5	1.58294	577.84	141.372	1.67455	2.500	.570	
COMPUTE NM HYD	505.00	-	4	.57826	822.12	52.957	1.71713	1.650	2.221	PER IMP=56.60
ROUTE	505.10	4	6	.57826	817.05	52.957	1.71713	1.700	2.208	
ROUTE	505.20	6	4	.57826	579.07	52.957	1.71713	1.850	1.565	
ADD HYD	505.30	4& 5	6	2.16120	875.78	194.329	1.68594	2.200	.633	
COMPUTE NM HYD	503.00	-	4	.10759	146.82	10.827	1.88681	1.750	2.132	PER IMP=66.80
ADD HYD	503.19	19& 4	4	10.33936	737.32	579.366	1.05066	1.800	.111	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	503.10	4	5	10.33936	692.18	576.658	1.04574	1.900	.105	
ADD HYD	503.20	6& 5	4	12.50056	1498.99	770.986	1.15643	1.950	.187	
COMPUTE NM HYD	502.00	-	5	.09216	186.66	10.893	2.21613	1.600	3.165	PER IMP=86.60
ROUTE RESERVOIR	502.01	5	6	.09216	186.66	10.893	2.21613	1.600	3.165	
ROUTE	502.10	6	5	.09216	159.02	10.893	2.21613	1.700	2.696	
ADD HYD	502.20	5& 4	6	12.59272	1591.47	781.879	1.16418	1.950	.197	
COMPUTE NM HYD	501.00	-	4	.02172	55.59	2.515	2.17101	1.500	3.999	PER IMP=84.20
ROUTE RESERVOIR	501.01	4	5	.02172	55.59	2.515	2.17101	1.500	3.999	
ROUTE	501.10	5	4	.02172	33.51	2.515	2.17103	1.600	2.411	
ADD HYD	501.20	4& 6	5	12.61444	1613.32	784.393	1.16592	1.950	.200	
COMPUTE NM HYD	504.00	-	4	.89619	1124.16	83.793	1.75311	1.750	1.960	PER IMP=58.90
ADD HYD	504.10	4& 5	1	13.51063	2600.07	868.187	1.20487	1.850	.301	
ROUTE RESERVOIR	504.98	1	19	13.51063	366.19	726.679	1.00848	5.700	.042	AC-FT=236.945
ROUTE	504.99	19	18	13.51063	366.19	726.676	1.00848	5.700	.042	
COMPUTE NM HYD	500.00	-	6	.00628	16.08	.727	2.16935	1.500	4.002	PER IMP=84.00
COMPUTE NM HYD	316.00	-	1	.02386	44.99	1.390	1.09203	1.500	2.946	PER IMP=6.90
ROUTE RESERVOIR	316.01	1	3	.02386	44.99	1.390	1.09203	1.500	2.946	
ROUTE	316.10	3	1	.02386	44.25	1.390	1.09205	1.500	2.898	
COMPUTE NM HYD	325.00	-	2	.00553	11.57	.415	1.40754	1.500	3.269	PER IMP=28.90
ADD HYD	325.10	1& 2	3	.02939	55.82	1.805	1.15138	1.500	2.968	
DIVIDE HYD	325.20	3	1	.01470	27.91	.902	1.15138	1.500	2.968	
	325.30	AND	2	.01470	27.91	.902	1.15138	1.500	2.968	
ROUTE	325.40	2	3	.01470	27.30	.902	1.15143	1.550	2.903	
ADD HYD	325.50	3& 6	4	.02098	42.29	1.629	1.45615	1.500	3.150	
DIVIDE HYD	325.60	4	3	.01049	21.14	.814	1.45615	1.500	3.150	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
	325.60	AND	6	.01049	21.14	.814	1.45615	1.500	3.150	
ROUTE	325.70	6	4	.01049	21.07	.815	1.45625	1.550	3.139	
ROUTE	325.70	3	6	.01049	21.07	.815	1.45625	1.550	3.139	
ADD HYD	325.80	6& 4	2	.02098	42.13	1.629	1.45618	1.550	3.139	
COMPUTE NM HYD	324.00	-	3	.01196	14.22	.690	1.08199	1.650	1.858	PER IMP=6.20
ROUTE	324.10	1	4	.01470	20.95	.902	1.15143	1.600	2.228	
ADD HYD	324.20	3& 4	1	.02666	34.55	1.593	1.12023	1.600	2.025	
ADD HYD	324.30	1& 2	3	.04763	73.15	3.221	1.26817	1.550	2.400	
DIVIDE HYD	324.40	3	1	.02382	36.57	1.611	1.26817	1.550	2.400	
	324.40	AND	2	.02382	36.57	1.611	1.26817	1.550	2.400	
ROUTE	324.70	1	5	.02382	36.90	1.611	1.26822	1.550	2.421	
ROUTE	324.80	2	4	.02382	36.90	1.611	1.26822	1.550	2.421	
ADD HYD	324.11	4& 5	2	.04763	73.81	3.222	1.26819	1.550	2.421	
ROUTE	324.50	2	1	.04763	54.61	3.222	1.26822	1.700	1.791	
COMPUTE NM HYD	323.00	-	2	.00343	7.15	.255	1.39320	1.500	3.256	PER IMP=27.90
ROUTE	323.10	2	3	.00343	3.53	.255	1.39334	1.650	1.607	
ADD HYD	323.20	1& 3	2	.05106	58.03	3.476	1.27659	1.700	1.776	
COMPUTE NM HYD	321.00	-	1	.06053	157.93	7.222	2.23704	1.500	4.077	PER IMP=88.20
ADD HYD	321.10	2& 1	3	.11159	185.37	10.698	1.79757	1.500	2.596	
COMPUTE NM HYD	322.00	-	4	.09103	209.83	10.635	2.19046	1.550	3.602	PER IMP=85.30
ADD HYD	322.10	3& 4	2	.20262	394.59	21.333	1.97408	1.500	3.043	
ROUTE	322.20	2	1	.20262	393.76	21.333	1.97408	1.500	3.036	
COMPUTE NM HYD	320.00	-	4	.00482	10.79	.420	1.63271	1.500	3.497	PER IMP=44.60
ADD HYD	320.10	1& 4	12	.20744	404.55	21.752	1.96614	1.500	3.047	
COMPUTE NM HYD	225.00	-	1	.02082	54.04	2.463	2.21770	1.500	4.055	PER IMP=87.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	225.10	1	2	.02082	52.71	2.463	2.21773	1.500	3.956	
COMPUTE NM HYD	223.00	-	1	.01050	27.63	1.269	2.26606	1.500	4.112	PER IMP=90.00
ROUTE RESERVOIR	223.01	1	3	.01050	27.63	1.269	2.26606	1.500	4.112	
DIVIDE HYD	223.10	3	1	.00525	13.82	.634	2.26603	1.500	4.112	
	223.20	AND	4	.00525	13.82	.634	2.26603	1.500	4.112	
ROUTE	223.30	4	3	.00525	8.95	.635	2.26614	1.600	2.664	
ADD HYD	223.40	3& 2	5	.02607	59.56	3.097	2.22743	1.500	3.570	
ROUTE	223.50	1	2	.00525	7.18	.635	2.26614	1.650	2.137	
COMPUTE NM HYD	224.00	-	4	.02225	58.12	2.658	2.24027	1.500	4.081	PER IMP=88.40
ADD HYD	224.10	4& 5	1	.04832	117.68	5.755	2.23333	1.500	3.805	
ROUTE	322.20	12	3	.20744	412.30	21.752	1.96615	1.550	3.106	
COMPUTE NM HYD	226.00	-	4	.01463	37.55	1.700	2.17902	1.500	4.011	PER IMP=84.60
ADD HYD	226.10	3& 4	4	.22207	445.20	23.453	1.98017	1.550	3.132	
ROUTE RESERVOIR	226.01	4	6	.22207	445.20	23.453	1.98017	1.550	3.132	
ADD HYD	226.20	6& 1	3	.27039	555.18	29.208	2.02541	1.550	3.208	
ROUTE	226.30	3	4	.27039	535.26	29.208	2.02541	1.550	3.093	
ADD HYD	226.40	2& 4	5	.27564	541.49	29.843	2.02999	1.550	3.070	
COMPUTE NM HYD	222.00	-	4	.08660	195.76	9.564	2.07067	1.500	3.532	PER IMP=77.80
ADD HYD	222.10	5& 4	2	.36224	734.68	39.406	2.03971	1.550	3.169	
COMPUTE NM HYD	221.00	-	4	.06353	150.76	6.487	1.91459	1.500	3.708	PER IMP=68.00
ADD HYD	221.10	2& 4	1	.42577	867.75	45.893	2.02104	1.550	3.184	
ROUTE	221.20	1	2	.42577	828.64	45.893	2.02105	1.600	3.041	
COMPUTE NM HYD	220.00	-	1	.05896	123.94	4.948	1.57350	1.500	3.285	PER IMP=48.00
ADD HYD	220.10	1& 2	3	.48473	915.81	50.841	1.96661	1.600	2.952	
COMPUTE NM HYD	219.00	-	1	.07179	150.92	6.025	1.57350	1.500	3.285	PER IMP=48.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = WG100D1B.DAT

RUN DATE (MON/DAY/YR) =08/06/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	219.10	1& 3	2	.55652	1030.11	56.866	1.91589	1.550	2.892	
ROUTE	219.20	2	3	.55652	1006.75	56.866	1.91590	1.600	2.827	
COMPUTE NM HYD	218.00	-	4	.05788	121.67	4.857	1.57350	1.500	3.285	PER IMP=48.00
ADD HYD	218.10	3& 4	1	.61440	1092.33	61.723	1.88364	1.600	2.778	
COMPUTE NM HYD	216.00	-	4	.01310	27.55	1.099	1.57350	1.500	3.286	PER IMP=48.00
ROUTE	216.10	4	2	.01310	21.84	1.099	1.57354	1.550	2.605	
COMPUTE NM HYD	217.00	-	3	.02827	59.43	2.372	1.57350	1.500	3.285	PER IMP=48.00
ADD HYD	217.10	3& 2	4	.04137	77.87	3.472	1.57348	1.500	2.941	
COMPUTE NM HYD	215.00	-	3	.02934	61.68	2.462	1.57350	1.500	3.285	PER IMP=48.00
ADD HYD	215.10	3& 4	2	.07071	139.55	5.934	1.57349	1.500	3.084	
ADD HYD	215.20	1& 2	3	.68511	1199.31	67.657	1.85163	1.600	2.735	
ROUTE	215.30	3	1	.68511	1169.69	67.657	1.85163	1.650	2.668	
COMPUTE NM HYD	214.00	-	4	.03392	71.31	2.847	1.57350	1.500	3.285	PER IMP=48.00
ADD HYD	214.10	4& 1	2	.71903	1212.80	70.504	1.83851	1.600	2.635	
COMPUTE NM HYD	211.00	-	1	.02593	54.51	2.176	1.57350	1.500	3.285	PER IMP=48.00
COMPUTE NM HYD	212.00	-	3	.02755	57.92	2.312	1.57350	1.500	3.285	PER IMP=48.00
ADD HYD	212.10	1& 3	4	.05348	112.44	4.488	1.57349	1.500	3.285	
ROUTE	212.20	4	1	.05348	107.47	4.488	1.57352	1.550	3.140	
COMPUTE NM HYD	213.00	-	3	.00817	17.19	.686	1.57350	1.500	3.287	PER IMP=48.00
ADD HYD	213.10	3& 1	4	.06165	122.92	5.174	1.57350	1.500	3.115	
ADD HYD	213.20	2& 4	1	.78068	1315.19	75.677	1.81758	1.600	2.632	
ROUTE	213.40	1	2	.78068	1310.38	75.677	1.81758	1.650	2.623	
COMPUTE NM HYD	210.00	-	1	.04379	92.05	3.675	1.57350	1.500	3.285	PER IMP=48.00
ADD HYD	210.10	1& 2	3	.82447	1374.00	79.352	1.80462	1.600	2.604	
COMPUTE NM HYD	209.00	-	1	.01777	37.36	1.491	1.57350	1.500	3.285	PER IMP=48.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	207.00	-	2	.01669	29.19	1.013	1.13769	1.500	2.733	PER IMP=23.00
ADD HYD	207.10	1& 2	4	.03446	66.56	2.504	1.36240	1.500	3.018	
ROUTE	207.20	4	1	.03446	65.02	2.504	1.36243	1.500	2.948	
COMPUTE NM HYD	208.00	-	2	.00314	6.61	.264	1.57350	1.500	3.291	PER IMP=48.00
ADD HYD	208.10	1& 2	4	.03760	71.63	2.767	1.38003	1.500	2.977	
ADD HYD	208.20	4& 3	1	.86207	1430.41	82.120	1.78610	1.600	2.593	
ROUTE	208.30	1	2	.86207	1439.22	82.120	1.78610	1.650	2.609	
COMPUTE NM HYD	206.00	-	5	.01983	27.53	.812	.76800	1.500	2.169	PER IMP= 5.00
COMPUTE NM HYD	205.00	-	1	.01974	27.41	.809	.76800	1.500	2.169	PER IMP= 5.00
COMPUTE NM HYD	204.00	-	3	.00763	10.60	.313	.76800	1.500	2.171	PER IMP= 5.00
ADD HYD	204.10	1& 3	4	.02737	38.01	1.121	.76798	1.500	2.170	
ROUTE	204.20	4	1	.02737	35.79	1.121	.76801	1.550	2.043	
COMPUTE NM HYD	203.00	-	3	.00960	13.33	.393	.76800	1.500	2.170	PER IMP= 5.00
ADD HYD	203.10	1& 3	4	.03697	48.28	1.514	.76798	1.550	2.041	
ADD HYD	203.20	4& 5	1	.05680	74.07	2.326	.76798	1.550	2.038	
ROUTE	203.30	1	3	.05680	73.33	2.327	.76800	1.550	2.017	
COMPUTE NM HYD	202.00	-	1	.03805	87.86	3.707	1.82672	1.500	3.608	PER IMP=62.50
ADD HYD	202.10	1& 2	4	.90012	1487.06	85.827	1.78781	1.650	2.581	
ADD HYD	202.20	4& 3	1	.95692	1544.86	88.153	1.72728	1.650	2.523	
ROUTE	202.30	1	2	.95692	1567.35	88.153	1.72728	1.650	2.559	
COMPUTE NM HYD	201.00	-	1	.03518	61.53	1.978	1.05411	1.500	2.733	PER IMP=13.70
COMPUTE NM HYD	200.00	-	3	.05438	102.49	3.329	1.14770	1.500	2.945	PER IMP=14.00
ADD HYD	200.10	1& 2	4	.99210	1602.21	90.131	1.70341	1.650	2.523	
ADD HYD	200.20	3& 4	12	1.04648	1659.56	93.459	1.67453	1.650	2.478	
ADD HYD	200.30	12&10	1	5.15732	4620.81	449.086	1.63270	1.750	1.400	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/06/1996
INPUT FILE = WG100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE RESERVOIR	200.03	1	2	5.15732	75.87	349.023	1.26891	7.000	.023	AC-FT= 345.605
ROUTE RESERVOIR	WG100D1B.HYD	1	2	5.15732	73.47	170.982	.62163	7.350	.022	AC-FT= 346.669
ROUTE RESERVOIR	200.03	1	2	5.15732	75.87	349.016	1.26889	7.000	.023	AC-FT= 345.614
ROUTE RESERVOIR	200.03	1	2	5.15732	51.63	233.924	.85045	12.000	.016	AC-FT= 362.279
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = 98100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME= .00
*S										
*S	98th STREET AND CENTRAL POND									
*S										
*S										
*S	100YR 24-HR STORM WITHOUT SEDIMENT									
*S	FILE NAME: 98100D1B.DAT									
*S	BY: RICHARD STOCKTON PEER REVIEWED BY:									
*S	LAST REVISION: 09-13-96									
*S	THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM AREA TRIBUTORY TO									
*S	THE 98th STREET AND CENTRAL AVENUE DETENTION POND. THE OUTFLOW HYDROGRAPH									
*S	FROM THIS MODEL WILL BE USED IN THE TIERRA BAYITA MODEL TB100D1B.DAT.									
*S	ANALYSIS ASSUMPTIONS:									
*S	1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION.									
*S										
*S	2. THE DIVIDE HYDS HAVE BEEN REMOVED FROM THE ORIGINAL RUNS TO									
*S	SIMULATE NO BULKING.									
*S										
*S	**********									
*S	100 YEAR 24HR STORM DEVELOPED CONDITION									
RAINFALL	TYPE= 2									RAIN24=2.660
COMPUTE NM HYD	108.40	-	5	.14260	349.37	15.128	1.98911	1.500	3.828	PER IMP=70.00
COMPUTE NM HYD	108.30	-	1	.14780	300.21	14.210	1.80266	1.550	3.174	PER IMP=57.00
ROUTE	108.38	1	2	.14780	294.63	14.210	1.80266	1.550	3.115	
COMPUTE NM HYD	108.20	-	7	.17100	365.07	17.121	1.87734	1.500	3.336	PER IMP=63.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = 98100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S COMBINE HYD'S 108.38 AND 108.2										
ADD HYD	108.29	7& 2	7	.31880	657.68	31.331	1.84271	1.550	3.223	
COMPUTE NM HYD	108.10	-	4	.17130	413.94	17.744	1.94219	1.500	3.776	PER IMP=67.00
ROUTE	108.18	4	8	.17130	407.12	17.744	1.94219	1.500	3.713	
ADD HYD	108.90	7& 8	9	.49010	1044.50	49.075	1.87748	1.550	3.330	
ROUTE RESERVOIR	502.00	9	10	.49010	86.64	49.072	1.87738	2.300	.276	AC-FT=32.189
COMPUTE NM HYD	109.00	-	1	.07200	181.35	8.299	2.16132	1.500	3.936	PER IMP=82.00
ROUTE	109.19	1	6	.07200	177.96	8.299	2.16133	1.500	3.862	
COMPUTE NM HYD	109.10	-	1	.04950	129.24	5.840	2.21211	1.500	4.079	PER IMP=85.00
ADD HYD	109.39	6& 1	6	.12150	307.20	14.139	2.18201	1.500	3.951	
ADD HYD	109.49	6& 5	6	.26410	656.56	29.267	2.07785	1.500	3.884	
ADD HYD	109.59	6&10	6	.75420	701.10	78.339	1.94758	1.500	1.452	
ROUTE RESERVOIR	98100D1B.HYD	6	10	.75420	68.07	78.343	1.94768	5.200	.141	AC-FT=28.041
*S HYD NO. 98100D1B.HYD IS ****AP 31****										
MODIFY TIME	98100D1B.HYD	10	10	.75420	69.08	78.343	1.94768	5.250	.143	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/15/1996
INPUT FILE = AB100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME=.00
*S										
*S ATRISCO BUSINESS PARK										
*S										
*S										
*S 100YR 24-HR STORM WITHOUT SEDIMENT										
*S FILE NAME: AB100D1B.DAT										
*S BY: RICHARD STOCKTON PEER REVIEWED BY:										
*S LAST REVISION: 06-19-96										
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM AREA TRIBUTORY TO										
*S THE N/S COORS DETENTION POND. THE OUTFLOW HYDROGRAPH										
*S FROM THIS MODEL WILL BE USED IN THE AMOLE DEL NORTE MODEL AN100D1B.DAT.										
*S ANALYSIS ASSUMPTIONS:										
*S 1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION.										
*S										
*S100 YEAR 24HR STORM DEVELOPED CONDITION										
RAINFALL TYPE= 2										RAIN24=2.660
*S BEGIN THE WATERSHED FOR THE AIRPORT ROAD STORM DRAIN **********										
COMPUTE NM HYD	200.10	-	2	.20810	513.44	23.189	2.08937	1.500	3.855	PER IMP=80.00
ROUTE RESERVOIR	200.11	2	3	.20810	13.32	23.141	2.08501	2.600	.100	AC-FT=16.792
MODIFY TIME	200.11	3	3	.20810	14.53	23.141	2.08501	2.550	.109	
COMPUTE NM HYD	200.20	-	2	.00420	10.15	.453	2.02224	1.500	3.777	PER IMP=77.00
ADD HYD	200.21	3& 2	4	.21230	18.72	23.594	2.08377	1.500	.138	
COMPUTE NM HYD	200.30	-	2	.00760	17.97	.820	2.02224	1.500	3.695	PER IMP=77.00
COMPUTE NM HYD	200.40	-	3	.00420	10.40	.469	2.09267	1.500	3.868	PER IMP=81.00
ADD HYD	200.41	2& 3	5	.01180	28.37	1.288	2.04726	1.500	3.756	
ROUTE	200.45	5	11	.01180	21.24	1.288	2.04731	1.600	2.813	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/15/1996
INPUT FILE = AB100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	200.50	-	3	.00350	8.67	.391	2.09267	1.500	3.869	PER IMP=81.00
ADD HYD	200.51	11& 3	3	.01530	28.34	1.679	2.05761	1.550	2.894	
COMPUTE NM HYD	200.60	-	1	.00700	17.40	.780	2.08937	1.500	3.885	PER IMP=80.00
ROUTE RESERVOIR	200.61	1	2	.00700	.45	.778	2.08482	2.600	.100	AC-FT=.565
MODIFY TIME	200.61	2	2	.00700	.49	.778	2.08482	2.550	.110	
ADD HYD	200.62	4& 2	1	.21930	19.04	24.372	2.08380	1.550	.136	
ROUTE	200.65	1	10	.21930	18.90	24.355	2.08237	1.550	.135	
ROUTE	200.66	3	11	.01530	24.29	1.679	2.05766	1.650	2.480	
COMPUTE NM HYD	210.10	-	2	.07480	185.71	8.335	2.08937	1.500	3.879	PER IMP=80.00
ROUTE RESERVOIR	210.11	2	3	.07480	4.78	8.306	2.08202	2.600	.100	AC-FT=6.043
MODIFY TIME	210.11	3	3	.07480	5.29	8.306	2.08202	2.550	.110	
ADD HYD	210.12	10& 3	10	.29410	22.60	32.661	2.08228	1.600	.120	
COMPUTE NM HYD	210.20	-	2	.00780	18.09	.841	2.02224	1.500	3.623	PER IMP=77.00
DIVIDE HYD	210.21	2	3	.00705	11.00	.760	2.02219	1.450	2.440	
	210.22	AND	6	.00075	7.09	.081	2.02219	1.500	14.670	
ADD HYD	210.23	10& 3	10	.30115	33.60	33.421	2.08088	1.600	.174	
COMPUTE NM HYD	210.30	-	2	.00250	6.19	.279	2.09268	1.500	3.871	PER IMP=81.00
ADD HYD	210.31	11& 2	11	.01780	27.66	1.958	2.06251	1.600	2.428	
COMPUTE NM HYD	210.40	-	2	.01170	29.08	1.304	2.08937	1.500	3.883	PER IMP=80.00
ROUTE RESERVOIR	210.41	2	4	.01170	.73	1.300	2.08322	2.600	.098	AC-FT=.946
MODIFY TIME	210.41	4	4	.01170	.81	1.300	2.08322	2.550	.108	
ADD HYD	210.42	10& 4	13	.31285	34.20	34.721	2.08096	1.600	.171	
ADD HYD	210.43	6&11	12	.01855	31.08	2.039	2.06087	1.550	2.617	
ROUTE	210.46	13	10	.31285	34.00	34.699	2.07963	1.600	.170	
ROUTE	210.47	12	11	.01855	26.75	2.039	2.06091	1.650	2.253	
COMPUTE NM HYD	210.50	-	2	.00240	5.95	.268	2.09267	1.500	3.871	PER IMP=81.00
ADD HYD	210.51	2&11	11	.02095	29.96	2.307	2.06449	1.650	2.234	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = AB100D1B.DAT

RUN DATE (MON/DAY/YR) =08/15/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	210.60	-	3	.07000	173.84	7.800	2.08937	1.500	3.880	PER IMP=80.00
ROUTE RESERVOIR	210.61	3	4	.07000	4.45	7.787	2.08585	2.600	.099	AC-FT=5.652
MODIFY TIME	210.61	4	4	.07000	4.83	7.787	2.08585	2.550	.108	
ADD HYD	210.62	4&10	10	.38285	37.79	42.486	2.08077	1.650	.154	
COMPUTE NM HYD	210.70	-	2	.00330	8.17	.368	2.09267	1.500	3.869	PER IMP=81.00
ROUTE	210.71	2	12	.00330	4.83	.368	2.09282	1.600	2.285	
COMPUTE NM HYD	210.80	-	3	.00280	6.94	.313	2.09267	1.500	3.871	PER IMP=81.00
ADD HYD	210.81	3&12	12	.00610	10.56	.681	2.09251	1.550	2.706	
COMPUTE NM HYD	210.90	-	2	.00170	4.22	.190	2.09267	1.500	3.876	PER IMP=81.00
ADD HYD	210.91	12& 2	12	.00780	14.64	.870	2.09251	1.500	2.933	
ADD HYD	210.92	12&11	11	.02875	41.59	3.178	2.07209	1.600	2.260	
ADD HYD	210.93	11&10	10	.41160	79.29	45.664	2.08016	1.600	.301	
COMPUTE NM HYD	211.10	-	2	.01170	29.08	1.304	2.08937	1.500	3.883	PER IMP=80.00
ROUTE RESERVOIR	211.11	2	3	.01170	.74	1.301	2.08477	2.600	.098	AC-FT=.947
MODIFY TIME	211.11	3	3	.01170	.81	1.301	2.08477	2.550	.108	
ADD HYD	211.12	3&10	11	.42330	79.88	46.965	2.08029	1.600	.295	
ROUTE	211.13	11	10	.42330	74.71	46.891	2.07702	1.700	.276	
*S BEGIN THE AREA SOUTH OF BLUEWATER ROAD										
COMPUTE NM HYD	220.10	-	2	.00350	8.67	.391	2.09267	1.500	3.869	PER IMP=81.00
COMPUTE NM HYD	220.20	-	3	.03130	77.77	3.488	2.08937	1.500	3.882	PER IMP=80.00
ROUTE RESERVOIR	220.21	3	4	.03130	2.01	3.478	2.08339	2.600	.100	AC-FT=2.528
MODIFY TIME	220.21	4	4	.03130	2.21	3.478	2.08339	2.550	.110	
ROUTE	220.22	4	5	.03130	2.21	3.473	2.08053	2.550	.110	
ADD HYD	220.23	2& 5	3	.03480	9.39	3.864	2.08174	1.500	.421	
COMPUTE NM HYD	220.30	-	2	.04470	111.05	4.981	2.08937	1.500	3.882	PER IMP=80.00
ROUTE RESERVOIR	220.31	2	4	.04470	2.87	4.963	2.08191	2.600	.100	AC-FT=3.611
MODIFY TIME	220.31	4	4	.04470	3.17	4.963	2.08191	2.550	.111	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/15/1996
INPUT FILE = AB100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	220.32	3& 4	2	.07950	11.17	8.827	2.08183	1.500	.220	
COMPUTE NM HYD	220.40	-	4	.00180	4.36	.194	2.02224	1.500	3.784	PER IMP=77.00
ADD HYD	220.41	2& 4	1	.08130	15.53	9.021	2.08051	1.500	.298	
COMPUTE NM HYD	220.50	-	3	.03130	77.77	3.488	2.08937	1.500	3.882	PER IMP=80.00
ROUTE RESERVOIR	220.51	3	4	.03130	2.01	3.478	2.08339	2.600	.100	AC-FT=2.528
MODIFY TIME	220.51	4	4	.03130	2.21	3.478	2.08339	2.550	.110	
ADD HYD	220.52	4& 1	3	.11260	16.80	12.499	2.08131	1.500	.233	
ADD HYD	220.53	10& 3	2	.53590	86.81	59.390	2.07792	1.650	.253	
ROUTE	220.54	2	10	.53590	86.83	59.380	2.07757	1.700	.253	
*S BEGIN THE AREA SOUTH OF THE ATRISCO BUSINESS PARK										
COMPUTE NM HYD	220.60	-	2	.01980	49.20	2.206	2.08937	1.500	3.883	PER IMP=80.00
ROUTE RESERVOIR	220.61	2	3	.01980	1.27	2.199	2.08223	2.600	.100	AC-FT=1.599
MODIFY TIME	220.61	3	3	.01980	1.40	2.199	2.08223	2.550	.111	
COMPUTE NM HYD	220.70	-	4	.00270	6.69	.301	2.09267	1.500	3.871	PER IMP=81.00
ADD HYD	220.71	4& 3	5	.02250	7.48	2.500	2.08347	1.500	.519	
ADD HYD	220.72	10& 5	2	.55840	91.24	61.880	2.07780	1.650	.255	
ROUTE	220.73	2	10	.55840	88.33	61.797	2.07504	1.750	.247	
*S BEGIN AREA SOUTH OF CENTRAL BOULEVARD										
COMPUTE NM HYD	230.10	-	2	.00180	4.49	.201	2.08937	1.500	3.895	PER IMP=80.00
ROUTE RESERVOIR	230.11	2	20	.00180	3.55	.201	2.08922	1.550	3.084	AC-FT=.017
ROUTE	230.12	20	3	.00180	3.34	.201	2.08965	1.650	2.899	
COMPUTE NM HYD	230.20	-	2	.00520	12.93	.579	2.08937	1.500	3.886	PER IMP=80.00
ROUTE RESERVOIR	230.21	2	20	.00520	10.88	.579	2.08931	1.550	3.269	AC-FT=.040
ADD HYD	230.22	20& 3	4	.00700	13.81	.780	2.08930	1.600	3.083	
ROUTE	230.23	4	11	.00700	13.89	.780	2.08941	1.600	3.100	
COMPUTE NM HYD	230.30	-	2	.00240	6.09	.277	2.16311	1.500	3.963	PER IMP=85.00
ADD HYD	230.31	2&11	3	.00940	19.03	1.057	2.10812	1.550	3.164	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/15/1996
INPUT FILE = AB100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	230.32	10& 3	1	.56780	101.55	62.854	2.07558	1.700	.279	
ROUTE	230.33	1	10	.56780	101.58	62.850	2.07545	1.700	.280	
*S END OF AIRPORT ROAD STORM DRAIN										
*S BEGIN COORS CONNECTION STORM DRAIN										
COMPUTE NM HYD	230.50	-	2	.00660	16.59	.741	2.10487	1.500	3.927	PER IMP=80.00
ROUTE RESERVOIR	530.51	2	20	.00660	6.52	.741	2.10483	1.750	1.544	AC-FT=.225
ROUTE	230.52	20	4	.00660	6.52	.741	2.10490	1.750	1.544	
COMPUTE NM HYD	230.60	-	2	.00230	6.13	.280	2.28382	1.500	4.162	PER IMP=90.00
ROUTE	230.61	2	3	.00230	4.53	.280	2.28404	1.600	3.080	
COMPUTE NM HYD	230.70	-	2	.00580	14.69	.669	2.16311	1.500	3.958	PER IMP=85.00
ADD HYD	230.71	3& 2	1	.00810	18.45	.949	2.19732	1.500	3.559	
ADD HYD	230.72	4& 1	5	.01470	23.53	1.690	2.15577	1.500	2.501	
ROUTE	230.73	5	4	.01470	23.55	1.690	2.15582	1.550	2.503	
COMPUTE NM HYD	230.80	-	2	.01120	28.14	1.257	2.10487	1.500	3.926	PER IMP=80.00
ROUTE RESERVOIR	230.81	2	20	.01120	15.80	1.257	2.10485	1.650	2.205	AC-FT=.249
ADD HYD	230.82	20& 4	5	.02590	38.39	2.947	2.13375	1.550	2.316	
ROUTE	230.83	5	2	.02590	38.60	2.947	2.13378	1.550	2.328	
ADD HYD	230.84	2&10	11	.59370	134.83	65.798	2.07800	1.650	.355	
ROUTE	230.85	11	10	.59370	134.67	65.793	2.07783	1.650	.354	
ROUTE	230.86	10	11	.59370	134.86	65.785	2.07759	1.700	.355	
*S BEGIN THE AREA NORTH OF CENTRAL AVENUE BETWEEN UNSER AND THE WEST 66										
*S ADDITION										
COMPUTE NM HYD	240.10	-	2	.03330	81.24	3.581	2.01648	1.500	3.812	PER IMP=75.00
ROUTE RESERVOIR	240.11	2	20	.03330	58.81	3.581	2.01647	1.600	2.760	AC-FT=.416
ROUTE	240.12	20	3	.03330	58.37	3.581	2.01649	1.600	2.739	
COMPUTE NM HYD	240.20	-	4	.01250	25.65	1.319	1.97801	1.550	3.206	PER IMP=71.00
ADD HYD	240.21	4& 3	5	.04580	82.53	4.900	2.00597	1.600	2.815	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/15/1996

INPUT FILE = AB100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	240.22	5	15	.04580	81.93	4.900	2.00599	1.600	2.795	
COMPUTE NM HYD	240.30	-	3	.00800	20.10	.898	2.10487	1.500	3.926	PER IMP=80.00
ROUTE RESERVOIR	240.31	3	20	.00800	12.49	.898	2.10483	1.600	2.439	AC-FT=.151
ROUTE	240.32	20	4	.00800	12.28	.898	2.10492	1.650	2.398	
ADD HYD	240.33	4&15	16	.05380	93.78	5.798	2.02067	1.600	2.724	
COMPUTE NM HYD	240.40	-	2	.02310	42.45	2.260	1.83425	1.600	2.871	PER IMP=60.00
ROUTE RESERVOIR	240.41	2	3	.02310	29.29	1.074	.87164	1.850	1.981	AC-FT=1.190
ADD HYD	240.42	3&16	15	.07690	93.79	6.872	1.67552	1.600	1.906	
COMPUTE NM HYD	240.50	-	4	.00930	24.26	1.133	2.28382	1.500	4.075	PER IMP=90.00
ADD HYD	240.51	4&15	16	.08620	111.07	8.005	1.74114	1.600	2.013	
ROUTE RESERVOIR	240.52	16	15	.08620	96.76	8.005	1.74114	1.700	1.754	AC-FT=.552
ROUTE	240.53	15	5	.08620	97.17	8.005	1.74114	1.700	1.761	
COMPUTE NM HYD	240.60	-	2	.00650	16.96	.792	2.28382	1.500	4.076	PER IMP=90.00
*S BEGIN AREA SOUTH OF CENTRAL AVENUE BETWEEN UNSER AND AIRPORT										
ADD HYD	240.61	2& 5	3	.09270	105.09	8.796	1.77919	1.700	1.771	
ROUTE	240.62	3	4	.09270	104.46	8.796	1.77918	1.700	1.761	
COMPUTE NM HYD	250.10	-	2	.02470	62.04	2.773	2.10488	1.500	3.925	PER IMP=80.00
ADD HYD	250.11	4& 2	3	.11740	146.40	11.569	1.84770	1.500	1.948	
COMPUTE NM HYD	250.20	-	2	.00790	14.90	.599	1.42095	1.500	2.946	PER IMP=35.00
ADD HYD	250.21	3& 2	4	.12530	161.30	12.168	1.82079	1.500	2.011	
ROUTE	250.22	4	3	.12530	164.12	12.168	1.82079	1.550	2.047	
COMPUTE NM HYD	260.10	-	2	.03980	97.10	4.280	2.01648	1.500	3.812	PER IMP=75.00
ADD HYD	260.11	2& 3	4	.16510	256.28	16.448	1.86796	1.500	2.425	
ROUTE	260.12	4	2	.16510	257.18	16.448	1.86795	1.550	2.434	
COMPUTE NM HYD	270.10	-	3	.02220	54.17	2.388	2.01648	1.500	3.812	PER IMP=75.00
ADD HYD	270.11	3& 2	4	.18730	304.84	18.835	1.88555	1.550	2.543	
ROUTE RESERVOIR	270.12	4	20	.18730	145.37	18.835	1.88553	2.000	1.213	AC-FT=5.010

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =08/15/1996
INPUT FILE = AB100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	270.13	20&11	10	.78100	269.10	84.620	2.03154	1.750	.538	
COMPUTE NM HYD	270.20	-	3	.00710	17.98	.819	2.16311	1.500	3.957	PER IMP=85.00
DIVIDE HYD	270.21	3	2	.00326	2.00	.376	2.16307	1.300	.958	
	270.22	AND	4	.00384	15.98	.443	2.16307	1.500	6.504	
ADD HYD	270.23	10& 2	3	.78426	271.10	84.996	2.03208	1.750	.540	
ROUTE	270.24	3	10	.78426	271.46	84.987	2.03185	1.750	.541	
ROUTE	270.25	4	3	.00384	15.18	.443	2.16508	1.500	6.178	
ADD HYD	270.26	10& 3	4	.78810	277.02	85.430	2.03250	1.750	.549	
COMPUTE NM HYD	280.10	-	2	.00660	16.11	.710	2.01647	1.500	3.815	PER IMP=75.00
ROUTE RESERVOIR	280.11	2	20	.00660	6.51	.710	2.01643	1.750	1.540	AC-FT=.213
ADD HYD	280.12	4&20	3	.79470	283.52	86.140	2.03237	1.750	.557	
COMPUTE NM HYD	280.20	-	4	.00250	6.34	.288	2.16311	1.500	3.963	PER IMP=85.00
ADD HYD	280.21	3& 4	5	.79720	286.00	86.428	2.03278	1.750	.561	
COMPUTE NM HYD	280.30	-	6	.00450	8.64	.359	1.49614	1.500	2.998	PER IMP=50.00
ADD HYD	280.31	5& 6	7	.80170	289.23	86.787	2.02976	1.750	.564	
ROUTE	280.32	7	10	.80170	289.19	86.772	2.02941	1.750	.564	
COMPUTE NM HYD	290.10	-	2	.03144	67.47	2.789	1.66330	1.500	3.353	PER IMP=55.00
ROUTE RESERVOIR	290.11	2	20	.03144	28.20	2.789	1.66329	1.700	1.402	AC-FT=.836
ADD HYD	290.12	10&20	3	.83314	317.37	89.561	2.01559	1.750	.595	
ROUTE	290.13	3	4	.83314	317.61	89.553	2.01542	1.700	.596	
ROUTE	290.14	4	10	.83314	317.63	89.541	2.01514	1.700	.596	
COMPUTE NM HYD	290.20	-	2	.00690	17.48	.796	2.16311	1.500	3.958	PER IMP=85.00
ADD HYD	290.21	10& 2	3	.84004	325.47	90.337	2.01636	1.700	.605	
ROUTE	290.22	3	4	.84004	325.48	90.334	2.01629	1.700	.605	
ROUTE	AB100D1B.HYD	4	5	.84004	325.77	90.325	2.01609	1.700	.606	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =-4/12/1999
INPUT FILE = AN100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

TIME=.00

START
*S
*S AMOLE DEL NORTE WATERSHED
*S
*S
*S 100-YR, 24-HR STORM
*S FILE NAME: AN100D1B.DAT
*S BY: RICHARD STOCKTON PEER REVIEWED BY: DEBORAH DIXON
*S LAST REVISION: 4-08-99 (PUNCH HYD DN CHANGED. EFFECTIVE DATE 4-20-98)
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM THE TIERRA BAYITA
*S BASIN, TOWER/SAGE BASIN AND THE SOUTH AMOLE DEL NORTE BASIN. FLOWS FROM
*S THESE BASINS ARE CONVEYED TO AMOLE DETENTION FACILITY VIA THE AMOLE DEL
*S NORTE CHANNEL. THIS MODEL TAKES TWO INFLOW HYDROGRAPHS DERIVED FROM MODELS
*S FOR THE TIERRA BAYITA CHANNEL AND FROM THE UNSER DIVERSION/ATRISCO BUSINESS
*S PARK, RESPECTIVELY. THE TIERRA BAYITA MODEL WAS DEVELOPED BY GREINER (AND
*S ACCEPTED BY THE CITY), TO DETERMINE THE SYSTEM CAPACITY OF ALL MAJOR FACIL-
*S ITIES WITHIN THE TIERRA BAYITA BASIN. GREINER'S MODEL INCLUDES THE UNSER
*S DIVERSION SYSTEM AND SAD 214 POND MODIFICATIONS, AS DESIGNED BY EASTERLING
*S AND ASSOCIATES (AND ACCEPTED BY THE AMAFCA), BY RECALLING THE OUTFLOW
*S HYDROGRAPH FROM THE UNSER DIVERSION MODEL. ADDITIONALLY, EASTERING'S MODEL
*S INCLUDES THE ATRISCO BUSINESS PARK DEVELOPMENT. THE MODEL'S OUTFLALL IS
*S INTO THE NORTH/SOUTH COORS DETENTION FACILITY, AS IS THE TIERRA BAYITA
*S CHANNEL. DUE TO THE NUMBER OF AVAILABLE STORED HYDROGRAPHS (MAX=10) FOR
*S THIS PROJECT, THE TIERRA BAYITA AND UNSER DIVERSION MODELS WERE COMBINED.
*S

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = AN100D1B.DAT

RUN DATE (MON/DAY/YR) =-4/12/1999
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

*S INCLUDED IN THE SOUTH AMOLE DEL NORTE BASIN, IS THE SUNRISE ESTATES
*S DEVELOPMENT DEVELOPED BY FRED ARFMAN.
*S
*S NOTE: AN "D" (DEVELOPED) HAS BEEN PLACED IN FRONT OF EACH SUB-BASIN
*S HYDROGRAPH DESIGNATION DUE TO THE LIMITATIONS OF AHYMO.
*S
*S ANALYSIS ASSUMPTIONS:
*S 1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION.
*S
*S 2. EXISTING DEVELOPMENTS WITH RETENTION PONDS ARE MODELED TO DISCHARGE
*S FLOWS EQUIVALANT TO HISTORIC FLOW RATES. THIS IS ACHIEVED BY ADJUSTING
*S THE LAND TREATMENT FACTORS TO PRE-DEVELOPMENT NUMBERS.
*S
*S 3. THE PUNCH HYD COMMAND WAS ADDED TO THE END OF THIS FILE SO THE OUTFALL
*S HYDROGRAPH COULD BE USED IN THE AMOLE ARROYO DEVELOPED CONDITIONS MODEL
*S AA100D1B.DAT, WHICH WILL BE USED IN THE ANALYSIS OF THE AMOLE & HUBBELL
*S SYSTEM.
*S
RAINFALL TYPE= 2
*S RECALL HYDROGRAPH FROM THE TIERRA BAYITA BASIN RAIN24=2.660
*S HYD=TB100D1B.HYD IS *****AP 35*****

RECALL HYD	TB100D1B.HYD	-	2	2.73600	2785.85	290.526	1.99099	1.600	1.591	

*S RECALL HYDROGRAPH FROM THE ATRISCO BUSINESS PARK
*S HYD=AB100D1B.HYD IS *****AP 35.1*****

RECALL HYD	AB100D1B.HYD	-	3	.84000	325.77	90.325	2.01618	1.700	.606	

*S ADD THE TWO RECALLED HYDROGRAPHS

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =-4/12/1999
INPUT FILE = AN100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	NPOND.IN	2& 3	4	3.57600	3097.16	380.851	1.99691	1.600	1.353	
*S ROUTE FLOWS THROUGH THE NORTH POND. PRIMARY SPILLWAY=24" PIPE										
*S AND OVER FLOW SPILLWAY IS WEIR FLOW INTO SOUTH POND.										
ROUTE RESERVOIR	NPOND.OUT	4	12	3.57600	3070.80	379.184	1.98817	1.600	1.342	AC-FT=8.193
*S ROUTE COMBINED FLOW THROUGH THE SOUTH POND WITH THE ROUTE RESERVOIR.										
*S THE FLOW FROM HYDROGRAPH SPOND.OUT IS AP36.										
ROUTE RESERVOIR	SPOND.OUT	12	18	3.57600	1447.71	378.916	1.98677	2.050	.633	AC-FT=68.403
*S HYD NO. SPOND.OUT IS ***** AP 36.1 *****										
DIVIDE HYD	TO.ADN	18	20	3.44690	960.00	365.236	1.98677	1.900	.435	
	TO.COORS	AND	50	.12910	487.71	13.680	1.98677	2.050	5.903	
*S THE FLOW FROM HYDROGRAPH TO.COORS IS THE FLOW SPILLING OUT OF THE										
*S NORTH/SOUTH COORS DETENTION FACILITY ONTO COORS ROAD.										
*S END TIERRA BAYITA BASIN										
*S BEGIN THE TOWER/SAGE BASIN										
*S RECALL HYD FROM TOWER/SAGE AT TOWER RD										
RECALL HYD	TS100D1B.HYD	-	10	.25420	347.92	23.833	1.75795	1.650	2.139	
*S ADD THE FLOW FROM TS100D1B.HYD TO THE N/S COORS OUTFLOW										
*S HYD=BEGIN.ADN IS *****AP 36*****										
ADD HYD	BEGIN.ADN	10&20	20	3.70110	1199.39	389.069	1.97105	1.850	.506	
*S ROUTE THE FLOW FROM BEGIN.ADN INTO THE AMOLE DEL NORTE CHANNEL TO SAN YGNACIO										
ROUTE	BEGIN.ADN	20	12	3.70110	1197.55	388.934	1.97037	1.900	.506	
*S RECALL HYD FROM TOWER/SAGE AT SAN YGNACIO RD										
RECALL HYD	TS100D2B.HYD	-	30	.89770	239.28	80.708	1.68571	1.750	.416	
*S ADD THE FLOW FROM HYD=TS100D2B.HYD TO THE FLOW IN THE AMOLE DEL NORTE										
*S HYD=ADN.SAN.YG IS *****AP 36.2*****										
ADD HYD	ADN.SAN.YG	30&12	3	4.59880	1417.63	469.642	1.91480	1.850	.482	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =-4/12/1999
INPUT FILE = AN100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM SAN YGANCIO										
*S TO JUST UPSTREAM OF SAGE.										
ROUTE	D33001.5	3	12	4.59880	1416.66	469.447	1.91401	1.900	.481	
*S RECALL HYD FROM TOWER/SAGE AT SAGE										
RECALL HYD	TS100D3B.HYD	-	20	.23790	235.52	21.939	1.72909	1.750	1.547	
*S ADD HYD=TS100D3B.HYD TO THE FLOW IN THE AMOLE DEL NORTE										
*S HYD=ADN.SAGE IS *****AP 37*****										
ADD HYD	ADN.SAGE	12&20	3	4.83670	1649.03	491.386	1.90491	1.800	.533	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM SAGE TO JUST DOWNSTREAM										
*S OF THE SAGE CROSSING.										
ROUTE	D33002.5	3	12	4.83670	1649.23	491.339	1.90473	1.800	.533	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM THE SAGE CROSSING										
*S TO JUST UPSTREAM OF THE ARENAL CROSSING.										
ROUTE	D33004.5	12	9	4.83670	1649.73	491.112	1.90385	1.850	.533	
*S END TOWER/SAGE BASIN *** BEGIN SOUTH AMOLE DEL NORTE BASIN (350** SERIES)										
*S RECALL THE BASIN 503 HYDROGRAPH FROM THE SUNRISE ESTATES MODEL.										
RECALL HYD	DN100D1B.HYD	-	20	.03750	77.24	2.986	1.49317	1.500	3.218	
*S ADD THE RECALLED HYDROGRAPH TO THE COMBINED FLOW FROM SUB-BASIN 33004.5										
*S THIS IS THE TOTAL FLOW IN THE AMOLE DEL NORTE.										
ADD HYD	D35001.1	9&20	3	4.87420	1670.25	494.099	1.90069	1.850	.535	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM THE ARENAL CROSSING										
*S TO THE 6435 FEET NORTH OF THE AMOLE DETENTION FACILITY.										
ROUTE	D35001.5	3	11	4.87420	1670.42	494.008	1.90034	1.850	.535	
*S RECALL THE 501 & 500 HYDROGRAPHS FROM THE SUNRISE ESTATES MODEL.										
RECALL HYD	DN1002B.HYD	-	18	.06150	126.68	4.898	1.49322	1.500	3.219	
*S ADD THE RECALLED HYDROGRAPH TO THE COMBINED FLOW FROM SUB-BASIN 35001.5										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =-4/12/1999
INPUT FILE = AN100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S THIS IS THE TOTAL FLOW IN THE AMOLE DEL NORTE.										
ADD HYD	D35001.2	18&11	3	4.93570	1704.08	498.906	1.89527	1.850	.539	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM THE ARENAL CROSSING										
*S TO THE 6035 FEET NORTH OF THE AMOLE DETENTION FACILITY.										
ROUTE	D35001.6	3	11	4.93570	1703.45	498.762	1.89472	1.850	.539	
*S RECALL THE 502 HYDROGRAPH FROM THE SUNRISE ESTATES MODEL.										
RECALL HYD	DN100D3B.HYD	-	19	.05790	120.52	4.706	1.52409	1.500	3.252	
*S ADD THE RECALLED HYDROGRAPH TO THE COMBINED FLOW FROM SUB-BASIN 35001.6										
*S THIS IS THE TOTAL FLOW IN THE AMOLE DEL NORTE.										
ADD HYD	D35001.3	19&11	3	4.99360	1735.80	503.468	1.89043	1.850	.543	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM THE ARENAL CROSSING										
*S TO THE 5500 FEET NORTH OF THE AMOLE DETENTION FACILITY.										
ROUTE	D35001.7	3	11	4.99360	1735.60	503.445	1.89034	1.850	.543	
*S RECALL THE DEVELOPED CONDITIONS HYDROGRAPH FROM THE SUNRISE ESTATES MODEL.										
RECALL HYD	DN100D4B.HYD	-	22	.55150	190.05	36.362	1.23623	2.000	.538	
*S ADD THE RECALLED HYDROGRAPH TO THE COMBINED FLOW FROM SUB-BASIN 35001.7										
*S THIS IS THE TOTAL FLOW IN THE AMOLE DEL NORTE.										
ADD HYD	D35001.4	11&22	3	5.54510	1923.71	539.807	1.82528	1.850	.542	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM THE ARENAL CROSSING										
*S TO THE 5400 FEET NORTH OF THE AMOLE DETENTION FACILITY.										
ROUTE	D35001.8	3	11	5.54510	1910.22	539.480	1.82418	1.900	.538	
*S BASIN 35208										
COMPUTE NM HYD	D35208	-	2	.07330	139.85	6.583	1.68393	1.550	2.981	PER IMP=56.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35001.8 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE FLOW FROM SUB-BASIN 35208.										
ADD HYD	D35208.1	11&	2 3	5.61840	1954.58	546.062	1.82235	1.900	.544	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = AN100D1B.DAT

RUN DATE (MON/DAY/YR) =-4/12/1999
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM 5362 FEET NORTH OF										
*S THE AMOLE DETENTION FACILITY TO 4807 _FEET NORTH OF THE AMOLE DETENTION FACIL										
ROUTE	D35208.5	3	11	5.61840	1956.16	545.936	1.82193	1.900	.544	
*S BASIN 35209										
COMPUTE NM HYD	D35209	-	2	.04070	75.85	3.572	1.64566	1.550	2.912	PER IMP=54.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35208.5 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE FLOW FROM SUB-BASIN 35209.										
ADD HYD	D35209.1	11& 2	3	5.65910	1980.46	549.508	1.82066	1.900	.547	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM 4807 FEET NORTH OF										
*S THE AMOLE DETENTION FACILITY TO 3625 FEET NORTH OF THE AMOLE DETENTION FACILI										
ROUTE	D35209.5	3	12	5.65910	1965.94	549.197	1.81963	1.900	.543	
*S BASINS 35301, 35303, & 35305 THAT ARE IN THE EXISTING CONDITIONS MODEL										
*S HAVE BEEN REMOVED. THESE BASINS HAVE BEEN ADDED TO THE AMOLE										
*S ARROYO MODEL TO SIMULATE DIVERSION CREATED BT THE UNSER EXTENTION.										
*S (SEE THE RIO BRAVO SECTOR PLAN)										
*S BASIN 35302										
COMPUTE NM HYD	D35302	-	2	.16360	276.71	13.095	1.50076	1.550	2.643	PER IMP=41.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35209.5 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE COMBINED FLOW FROM SUB-BASIN 35302.1.										
ADD HYD	D35302.1	12& 2	4	5.82270	2064.57	562.291	1.81067	1.900	.554	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM 3625 FEET NORTH OF										
*S THE AMOLE DETENTION FACILITY TO 2125 FEET NORTH OF THE AMOLE DETENTION FACILI										
ROUTE	D35302.5	4	12	5.82270	2041.68	561.904	1.80942	1.950	.548	
*S BASIN 35304 IS CURRENTLY DEVELOPED WITH MINIMAL VEGETATION.										
COMPUTE NM HYD	D35304	-	2	.09850	213.44	9.186	1.74851	1.500	3.386	PER IMP=60.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35302.5 (TOTAL FLOW IN AMOLE DEL NORTE										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =-4/12/1999
INPUT FILE = AN100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S CHANNEL) TO THE FLOW FROM SUB-BASIN 35304										
ADD HYD	D35304.1 12&	2	4	5.92120	2097.84	571.090	1.80841	1.900	.554	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM 2125 FEET NORTH OF										
*S THE AMOLE DETENTION FACILITY TO 1325 FEET NORTH OF THE AMOLE DETENTION FACILI										
ROUTE	D35304.5	4	12	5.92120	2091.57	570.880	1.80774	1.950	.552	
*S BASIN 35306 IS CURRENTLY PARTIALY DEVELOPED WITH MINIMAL VEGETATION.										
COMPUTE NM HYD	D35306 -		2	.09480	188.59	8.663	1.71345	1.500	3.108	PER IMP=59.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35304.5 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE COMBINED FLOW FROM SUB-BASIN 35306.1.										
ADD HYD	D35306.1 12&	2	4	6.01600	2141.51	579.544	1.80626	1.950	.556	
*S ROUTE THE COMBINED FLOWS IN THE AMOLE DEL NORTE FROM 1325 FEET NORTH OF										
*S THE AMOLE DETENTION FACILITY TO THE AMOLE DETENTION FACILITY.										
ROUTE	D35306.5	4	12	6.01600	2129.87	579.204	1.80520	1.950	.553	
*S BASIN 35307 IS CURRENTLY PARTIALY DEVELOPED WITH MINIMAL VEGETATION.										
COMPUTE NM HYD	D35307 -		2	.09730	168.09	8.316	1.60247	1.550	2.699	PER IMP=50.00
*S ADD THE ROUTED FLOW FROM SUB-BASIN 35306.5 (TOTAL FLOW IN AMOLE DEL NORTE										
*S CHANNEL) TO THE FLOW FROM SUB-BASIN 35307.										
*S HYD NO. AN100D1B.HYD IS ***** AP 39 *****										
ADD HYD	AN100D1B.HYD 12&	2	3	6.11330	2183.85	587.520	1.80197	1.950	.558	
*S THE COMBINED FLOW FROM SUB-BASIN AN100D1B IS THE TOTAL FLOW INTO THE AMOLE										
*S DETENTION FACILITY.										
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999
USER NO.- STOCKTON.S94
INPUT FILE = DN100D1B.DAT

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
										TIME=.00
START										
*S										
*S	SUNRISE ESTATES									
*S										
*S										
*S	100YR 24-HR STORM WITHOUT SEDIMENT									
*S	FILE NAME: DN100D1B.DAT									
*S	BY: RICHARD STOCKTON PEER REVIEWED BY: KAREN JACOBSEN									
*S	LAST REVISION: 4-08-99 (TEXT CHANGE, EFFECTIVE DATE 4-20-98)									
*S	THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM AREA TRIBUTORY TO									
*S	THE AMOLE DEL NORTE CHANNEL. THE OUTFLOW HYDROGRAPH FROM THIS MODEL WILL									
*S	BE USED IN THE AMOLE DEL NORTE MODEL AN100D1B.DAT.									
*S	ANALYSIS ASSUMPTIONS:									
*S	1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION.									
*S										
*S	100 YEAR 24HR STORM DEVELOPED CONDITION									RAIN24=2.660
RAINFALL	TYPE= 2									
*S	BASIN 100 IS CURRENTLY UNDEVELOPED, ASSUME FUTURE DEVELOPMENT WILL									
*S	BE @ A DENSITY OF 4 DU/AC									
COMPUTE NM HYD		100.00	-	1	.07150	147.19	5.691	1.49238	1.500	3.217 PER IMP=42.00
*S	BASIN 101 IS FULLY DEVELOPED WITH SINGLE FAMILY RESIDENTIAL HOMES									
*S	WITH A DENSTIY OF 4 DU/AC									
COMPUTE NM HYD		101.00	-	2	.03700	60.32	2.249	1.13994	1.500	2.547 PER IMP=29.00
ADD HYD		101.01	1& 2	3	.10850	207.51	7.940	1.37218	1.500	2.988
*S	**AREA 102 IS A MIDDLE SCHOOL (ONSITE DETENTION TO REDUCE RUNOFF)									
COMPUTE NM HYD		102.00	-	4	.04000	32.91	.937	.43936	1.500	1.286 PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = DN100D1B.DAT

RUN DATE (MON/DAY/YR) =04/12/1999
USER NO.- STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S ROUTE THE SCHOOL'S RUNOFF IN A 28' F-F RESIDENTIAL STREET, S=2%										
*S ASSUME SECTION EXTENDS TO THE ROW LINE ON BOTH SIDES										
ROUTE	102.10	4	5	.04000	33.70	.937	.43939	1.550	1.316	
*S ADD THE ROUTED FLOW FROM 102 TO THE EARLIER TOTAL										
ADD HYD	102.30	3& 5	6	.14850	235.06	8.878	1.12092	1.500	2.473	
*S **BASIN 103 IS COMPLETELY DEVELOPED										
COMPUTE NM HYD	103.00	-	7	.04400	71.73	2.675	1.13994	1.500	2.547	PER IMP=29.00
*S ADD 103 TO TOTAL										
ADD HYD	103.10	6& 7	8	.19250	306.78	11.553	1.12527	1.500	2.490	
*S **ASSUME FLOW IS ROUTED IN 28' STREET AS EARLIER										
ROUTE	103.20	8	9	.19250	289.23	11.553	1.12527	1.550	2.348	
*S **AREA 104 IS FULLY DEVELOPED										
COMPUTE NM HYD	104.00	-	10	.04400	71.73	2.675	1.13994	1.500	2.547	PER IMP=29.00
*S ADD THE FLOW TO THE TOTAL										
ADD HYD	104.01	9&10	11	.23650	354.76	14.228	1.12800	1.550	2.344	
*S AREA 105 IS A PARK & COA WELL SITE										
COMPUTE NM HYD	105.00	-	12	.02100	28.93	.884	.78962	1.500	2.153	PER IMP=7.00
ADD HYD	105.10	11&12	13	.25750	381.87	15.112	1.10040	1.550	2.317	
*S ROUTE THE FLOW TO THE EXISTING END OF SAPPHIRE ST.										
ROUTE	105.20	13	14	.25750	349.48	15.112	1.10040	1.600	2.121	
*S AREA 106 IS FULLY DEVELOPED										
COMPUTE NM HYD	106.00	-	15	.02177	35.50	1.324	1.13994	1.500	2.548	PER IMP=29.00
*S BASIN 300.1 IS CURRENTLY UNDEVELOPED, ASSUME FUTURE DEVELOPMENT WILL BE @										
*S A DENSITY OF 4 DU/AC										
COMPUTE NM HYD	300.10	-	16	.01560	32.12	1.242	1.49238	1.500	3.217	PER IMP=42.00
*S **ADD THE FLOWS FROM BASINS 106 AND 300.1										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999
INPUT FILE = DN100D1B.DAT USER NO.- STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	106.10	15&16	17	.03737	67.62	2.565	1.28705	1.500	2.827	
*S **TOTAL FLOW IN SAPHIRE ST AT ANALYSIS POINT A										
ADD HYD	106.15	14&17	18	.29487	398.10	17.677	1.12406	1.600	2.110	
*S **BASIN 401.12, 401.14, 401.17, 300.2 AND 400.2 DRAINS TO SAPPHIRE ST.										
*S **BASIN 401.12 IS PART OF SUNRISE ESTATES UNIT 1										
COMPUTE NM HYD	401.12	-	19	.01126	23.19	.896	1.49238	1.500	3.218	PER IMP=42.00
*S **ADD THE FLOWS FROM HYDROGRAPH NO 401.12 AND 106.15										
ADD HYD	401.13	19&18	20	.30613	414.48	18.574	1.13760	1.600	2.116	
*S **BASIN 300.2 IS CURRENTLY UNDEVELOPED, ASSUME FUTURE DEVELOPMENT WILL BE										
*S @ A DENSITY OF 4 DU/AC										
COMPUTE NM HYD	300.20	-	1	.01180	24.30	.939	1.49238	1.500	3.218	PER IMP=42.00
*S ** BASIN 401.14 IS PART OF SUNRISE ESTATES UNIT 1										
COMPUTE NM HYD	401.14	-	2	.01117	23.00	.889	1.49238	1.500	3.218	PER IMP=42.00
*S **ADD FLOWS FROM HYDROGRAPH NO 401.14 AND 300.2										
ADD HYD	401.15	1& 2	3	.02297	47.30	1.828	1.49235	1.500	3.218	
*S **ADD FLOWS FROM HYDROGRAPH NO 401.15 AND 401.13										
ADD HYD	401.16	3&20	4	.32910	454.89	20.402	1.16236	1.550	2.160	
*S **BASIN 401.17 IS PART OF SUNRISE ESTATES UNIT 1										
COMPUTE NM HYD	401.17	-	5	.00661	13.62	.526	1.49238	1.500	3.219	PER IMP=42.00
*S **ADD FLOWS FROM HYDROGRAPH NO 401.16 AND 401.17										
ADD HYD	401.18	4& 5	6	.33571	467.09	20.928	1.16886	1.550	2.174	
*S ** BASIN 405 DRAINS TO SAPPHIRE ST.										
COMPUTE NM HYD	405.00	-	7	.01393	29.03	1.133	1.52461	1.500	3.255	PER IMP=44.00
*S **ADD FLOWS FROM HYDROGRAPH NO 401.18 AND 405										
ADD HYD	405.10	6& 7	8	.34964	493.06	22.061	1.18304	1.550	2.203	
*S ** BASIN 403 DRAINS TO SAPPHIRE ST.										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = DN100D1B.DAT

RUN DATE (MON/DAY/YR) =04/12/1999
USER NO.- STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	403.00	-	9	.01480	30.48	1.178	1.49238	1.500	3.217	PER IMP=42.00
*S **ADD FLOWS FROM HYDROGRAPH NO 405.1 AND 403										
ADD HYD	405.15	8& 9	10	.36444	520.36	23.239	1.19560	1.550	2.231	
*S ** BASIN 400.2 IS CURRENTLY UNDEVELOPED, ASSUME FUTURE DEVELOPMENT WILL BE										
*S @ A DENSITY OF 4 DU/AC										
COMPUTE NM HYD	400.20	-	11	.03222	67.09	2.619	1.52461	1.500	3.254	PER IMP=44.00
*S **ADD FLOWS FROM HYDROGRAPH NO 405.15 AND 400.2 TOGETHER TO GET THE FLOW										
*S IN SAPPHIRE ST. @ ANALYSIS PT B										
ADD HYD	405.16	10&11	12	.39666	580.37	25.858	1.22232	1.550	2.286	
*S**********										
*S**********										
*S **BASINS 200,201, & 202 DRAIN TO KIMELA DR										
COMPUTE NM HYD	200.00	-	13	.05300	86.39	3.222	1.13994	1.500	2.547	PER IMP=29.00
*S **ROUTE FLOW TO THE END OF KIMELA DR.										
ROUTE	200.10	13	14	.05300	85.06	3.222	1.13995	1.550	2.508	
COMPUTE NM HYD	201.00	-	15	.02600	42.39	1.581	1.13994	1.500	2.547	PER IMP=29.00
ADD HYD	201.10	15&14	16	.07900	124.93	4.803	1.13993	1.500	2.471	
*S **BASIN 202 IS AN ELEMENTARY SCHOOL (ONSITE DETENTION TO REDUCE RUNOFF)										
COMPUTE NM HYD	202.00	-	17	.00925	7.62	.217	.43936	1.500	1.286	PER IMP=.00
*S **BASIN 202.05 IS THE ELEMENTARY SCHOOL PARKING LOT THAT WILL DRAIN TO KIMELA										
COMPUTE NM HYD	202.05	-	18	.00375	10.31	.485	2.42724	1.500	4.299	PER IMP=100.0(
*S **ADD THE BASINS OF THE ELEMENTARY SCHOOL AND PARKING LOT										
ADD HYD	202.06	17&18	19	.01300	17.93	.702	1.01230	1.500	2.155	
*S **ADD THE BASINS TOGETHER TO GET THE FLOW IN KIMELA DR @ ANALYSIS PT C										
ADD HYD	202.10	16&19	20	.09200	142.86	5.505	1.12190	1.500	2.426	
*S**********										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999
INPUT FILE = DN100D1B.DAT USER NO.- STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S**********										
*S **BASINS 402 THRU 404 ARE CURRENTLY UNDEVELOPED, FOR PURPOSES										
*S OF THIS REPORT, ASSUME ALL BASINS WILL BE BUILT OUT @ THEIR CURRENT										
*S ZONING										
*S **BASIN 402 IS UNIT 2 OF SUNRISE ESTATES										
COMPUTE NM HYD	402.00	-	6	.05200	107.04	4.139	1.49238	1.500	3.216	PER IMP=42.00
*S **ADD BASIN 402 TO THE TOTAL FLOW @ THE END OF EXTENDED KIMELA										
ADD HYD	402.10	20& 6	7	.14400	249.90	9.644	1.25568	1.500	2.712	
COMPUTE NM HYD	404.00	-	8	.01080	22.24	.860	1.49238	1.500	3.218	PER IMP=42.00
*S **ADD FLOW TO THAT IN KIMELA DR										
ADD HYD	404.10	7& 8	9	.15480	272.15	10.503	1.27219	1.500	2.747	
*S **ADD TO FLOW IN SAPPHIRE @ ANALYSIS PT D										
ADD HYD	404.20	9&12	10	.55146	836.34	36.362	1.23632	1.550	2.370	
*S DESIGN A RETENTION FACILITY TO REDUCE TO FLOW TO THAT WHICH WILL										
*S FIT IN A 48" RCP @ S=1.8%										
ROUTE RESERVOIR	405.40	10	11	.55146	190.05	36.362	1.23632	1.950	.538	AC-FT=18.139
*S ROUTE FLOW FROM THE DETENTION POND TO THE AMOLE DEL NORTE CHANNEL										
ROUTE	DN100D4B.HYD	11	12	.55146	190.05	36.362	1.23632	2.000	.538	
*S										
*S HYD=DN100D4B.HYD IS THE FLOW INTO THE AMOLE DEL NORTE AT ARENAL										
*S**********										
*S**********										
*S **BASIN 500 IS UNIT ONE OF THE PROPOSED LONGFORD SD										
COMPUTE NM HYD	500.00	-	16	.02491	51.27	1.982	1.49238	1.500	3.217	PER IMP=42.00
*S **BASIN 501 IS THE AREA PROPOSED AS FUTURE LONGFORD SD DRAINING										
*S **DIRECTLY TO THE AMOLE CHANNEL										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =04/12/1999
INPUT FILE = DN100D1B.DAT USER NO.- STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	501.00	-	17	.03663	75.41	2.916	1.49238	1.500	3.217	PER IMP=42.00
*S **COMBINE BASINS 500 AND 501 TOGETHER TO REPRESENT THE NORTHERN PART OF THE										
*S **LONGFORD SD										
ADD HYD	DN1002B.HYD	16&17	18	.06154	126.68	4.898	1.49237	1.500	3.217	
*S **BASIN 502 IS THE SOUTHERN PART OF THE LONGFORD SD										
COMPUTE NM HYD	DN100D3B.HYD	-	19	.05788	120.52	4.706	1.52461	1.500	3.254	PER IMP=44.00
*S **BASIN 503 IS CURRENTLY UNDEVELOPED, ASSUME FUTURE DEVELOPMENT WILL BE @										
*S **A DENSITY OF 4 DU/AC. THE DISCHARGE FROM THIS BASIN DRAINS TO THE AMOLE										
*S DEL NORTE CHANNEL AND DOES NOT AFFECT THE ARENAL/UNSER DRAINAGE MANAGEMENT										
*S SITE.										
COMPUTE NM HYD	DN100D1B.HYD	-	20	.03752	77.24	2.986	1.49238	1.500	3.217	PER IMP=42.00
*S**********										
*S **BASIN 504 IS CURRENTLY UNDEVELOPED, ASSUME FUTURE DEVELOPMENT WILL BE @										
*S **A DENSITY OF 4 DU/AC. THE DISCHARGE FROM THIS BASIN TRAVEL ALONG SAGE RD.										
*S AND ENTERS THE AMOLE DEL NORTE CHANNEL, DOES NOT AFFECT THE ARENAL/UNSER										
*S DRAINAGE MANAGEMENT SITE.										
COMPUTE NM HYD	504.00	-	1	.03667	76.36	2.982	1.52461	1.500	3.254	PER IMP=44.00
*S **BASIN 505 IS FULLY DEVELOPED AND DRAINS SOUTH TO BLAKE RD..DISCHARGE FROM										
*S THIS BASIN DOES NOT AFFECT THE ARENAL/UNSER DRAINAGE MANAGEMENT SITE.										
COMPUTE NM HYD	505.00	-	2	.02618	42.68	1.592	1.13994	1.500	2.547	PER IMP=29.00
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = TB100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION

TIME=.00

START
*S
*S TIERRA BAYITA
*S
*S
*S 100YR 24-HR STORM WITHOUT SEDIMENT
*S FILE NAME: TB100D1B.DAT
*S BY: RICHARD STOCKTON PEER REVIEWED BY:
*S LAST REVISION: 09-13-96
*S THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM AREA TRIBUTARY TO
*S THE N/S COORS DETENTION POND VIA THE TIERRA BAYITA CHANNEL. THE OUTFLOW
*S HYDROGRAPH FROM THIS MODEL WILL BE USED IN THE AMOLE DEL NORTE MODEL AN100D1B
*S ANALYSIS ASSUMPTIONS:
*S 1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION.
*S
*S 2. NO BULKING FOR DEVELOPED CONDITIONS
*S
*S 3. AP 33.1 AND AP 33.2 CAN BE FOUND ON THE UN100D1B.DAT RUN
*S
*S 4. AP 35.1 CAN BE FOUND ON THE AB100D1B.DAT RUN
*S
*S PMP 24HR GENERAL STORM DEVELOPED CONDITION
*S100 YEAR 24HR STORM DEVELOPED CONDITION
RAIN24=2.660
RAINFALL TYPE= 2
COMPUTE NM HYD 11D - 11 .02500 20.57 .586 .43936 1.500 1.286 PER IMP=.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = TB100D1B.DAT

RUN DATE (MON/DAY/YR) =09/13/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	10D	-	10	.03360	34.90	1.127	.62911	1.500	1.623	PER IMP=8.00
ADD HYD	10.10	10&11	1	.05860	55.47	1.713	.54815	1.500	1.479	
ROUTE	R1	1	2	.05860	39.93	1.713	.54817	1.600	1.065	
COMPUTE NM HYD	12D	-	12	.24070	485.83	27.235	2.12157	1.550	3.154	PER IMP=80.00
*S HYD=R12 IS *****AP 32*****										
ADD HYD	R12	12& 2	3	.29930	521.54	28.948	1.81351	1.550	2.723	
ROUTE	RR12	3	4	.29930	524.41	28.949	1.81351	1.600	2.738	
*S HYD=98100D1B.HYD IS *****AP 31*****										
*S RECALL FLOW FROM AMOLE DEL NORTE PHASE IIIC - DETENTION BASINS										
RECALL HYD	98100D1B.HYD	-	10	.75420	69.08	78.343	1.94768	5.250	.143	
COMPUTE NM HYD	19D	-	19	.08970	205.76	10.446	2.18343	1.550	3.584	PER IMP=83.00
ADD HYD	19.10	19&10	5	.84390	242.97	88.789	1.97274	1.550	.450	
ROUTE	R19.1	5	6	.84390	237.41	88.741	1.97168	1.550	.440	
ADD HYD	19.20	6& 4	7	1.14320	760.24	117.690	1.93027	1.600	1.039	
ROUTE	19.30	7	8	1.14320	767.70	117.673	1.93000	1.600	1.049	
COMPUTE NM HYD	16N	-	16	.03340	82.80	3.594	2.01779	1.500	3.873	PER IMP=72.00
ADD HYD	16.10	16& 8	9	1.17660	824.34	121.268	1.93249	1.600	1.095	
ROUTE	16.20	9	1	1.17660	827.94	121.257	1.93232	1.600	1.099	
COMPUTE NM HYD	17W	-	17	.08020	178.65	9.445	2.20818	1.550	3.481	PER IMP=85.00
ADD HYD	17.10	17& 1	2	1.25680	994.32	130.702	1.94992	1.600	1.236	
ROUTE	17.20	2	3	1.25680	1002.35	130.686	1.94969	1.600	1.246	
ROUTE	17.30	3	4	1.25680	1004.32	130.679	1.94958	1.600	1.249	
COMPUTE NM HYD	21N	-	21	.02020	49.94	2.151	1.99699	1.500	3.863	PER IMP=70.00
ADD HYD	21.10	21& 4	5	1.27700	1038.50	132.831	1.95033	1.600	1.271	
ROUTE	21.20	5	6	1.27700	1026.69	132.801	1.94990	1.600	1.256	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = TB100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
*S UNSER BOULEVARD FLOWS TO CHANNEL										
*S CALCULATE FLOW FROM NORTH										
*S HYD=UN100D1B.HYD IS *****AP 33*****										
RECALL HYD	UN100D1B.DAT	-	2	.67890	248.30	73.770	2.03740	1.550	.571	
ROUTE	R2	2	3	.67890	247.01	73.770	2.03740	1.600	.568	
ROUTE	R3	3	4	.67890	247.54	73.770	2.03740	1.600	.570	
COMPUTE NM HYD	13D	-	13	.16640	338.38	19.250	2.16909	1.550	3.177	PER IMP=82.00
ROUTE	R13	13	5	.16640	337.53	19.250	2.16909	1.600	3.169	
ADD HYD	13.10	5& 4	5	.84530	585.07	93.020	2.06332	1.600	1.081	
COMPUTE NM HYD	17E	-	17	.06510	169.57	7.667	2.20817	1.500	4.070	PER IMP=85.00
ADD HYD	17.10	17& 5	7	.91040	700.09	100.687	2.07368	1.600	1.202	
ROUTE	R6	7	8	.91040	689.32	100.687	2.07368	1.600	1.183	
*S HYD=CHANNEL IS *****AP 34*****										
ADD HYD	CHANNEL	8& 6	9	2.18740	1716.02	233.488	2.00142	1.600	1.226	
*S CALCULATE FLOW FROM SOUTH THAT EMPTIES TO THE CHANNEL AT UNSER BLVD.										
COMPUTE NM HYD	16S	-	16	.11630	287.45	12.516	2.01779	1.500	3.862	PER IMP=72.00
COMPUTE NM HYD	20D	-	20	.13270	285.28	13.464	1.90245	1.500	3.359	PER IMP=66.00
ADD HYD	1620.00	16&20	1	.24900	572.72	25.980	1.95632	1.500	3.594	
ROUTE	20.10	1	2	.24900	541.20	25.980	1.95632	1.550	3.396	
COMPUTE NM HYD	21W	-	21	.11430	235.94	12.174	1.99699	1.550	3.225	PER IMP=70.00
ADD HYD	21.10	2&21	3	.36330	777.14	38.154	1.96911	1.550	3.342	
ROUTE	21.20	3	4	.36330	766.72	38.154	1.96912	1.550	3.298	
ADD HYD	CHANNEL	4& 9	5	2.55070	2459.54	271.642	1.99682	1.600	1.507	
*S ROUTE FLOW DOWN CONCRETE TRAPAZOIDAL CHANNEL PARALLEL TO BRIDGE BLVD.										
ROUTE	R5	5	6	2.55070	2444.87	271.606	1.99656	1.600	1.498	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/1996
INPUT FILE = TB100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CSF)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	18W	-	18	.11220	222.61	11.236	1.87771	1.550	3.100	PER IMP=68.00
ADD HYD	18.10	18& 6	7	2.66290	2649.32	282.842	1.99155	1.600	1.555	
ROUTE	R7	7	8	2.66290	2652.39	282.828	1.99145	1.600	1.556	
COMPUTE NM HYD	21E	-	21	.06560	162.10	6.987	1.99699	1.500	3.861	PER IMP=70.00
ADD HYD	21.10	21& 8	9	2.72850	2763.36	289.814	1.99158	1.600	1.582	
ROUTE	R9	9	10	2.72850	2770.59	289.805	1.99151	1.600	1.587	
COMPUTE NM HYD	18E	-	18	.00750	16.30	.732	1.83088	1.500	3.396	PER IMP=70.00
ADD HYD	18.10	18&10	11	2.73600	2781.79	290.538	1.99107	1.600	1.589	
*S HYD=TB100D1B.HYD IS *****AP 35*****										
ROUTE	TB100D1B.HYD	11	12	2.73600	2785.85	290.526	1.99099	1.600	1.591	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1998 RUN DATE (MON/DAY/YR) =08/15/1996
INPUT FILE = TS100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
START										TIME=.00
*S										
*S	TOWER/SAGE WATERSHED SAD 222									
*S										
*S										
*S	100-YR, 24-HR STORM WITH SEDIMENT									
*S	FILE NAME: TS100D1B.DAT									
*S	BY: RICHARD STOCKTON PEER REVIEWED BY: DEBORAH DIXON									
*S	LAST REVISION: 08-06-96									
RAINFALL	TYPE= 2									RAIN24=2.660
COMPUTE NM HYD	A1-D&AP#1	-	3	.04580	103.28	4.897	2.00463	1.500	3.523	PER IMP=76.00
ROUTE	AP-1R	3	2	.04580	101.55	4.897	2.00464	1.550	3.464	
COMPUTE NM HYD	A2-D	-	3	.03950	89.28	4.001	1.89898	1.500	3.532	PER IMP=70.00
ADD HYD	AP#2	2& 3	10	.08530	185.32	8.897	1.95570	1.500	3.395	
ROUTE	AP#2R	10	2	.08530	184.43	8.897	1.95571	1.550	3.378	
COMPUTE NM HYD	A3-D	-	3	.04190	94.80	4.047	1.81093	1.500	3.535	PER IMP=65.00
ADD HYD	AP#3	2& 3	10	.12720	266.97	12.944	1.90801	1.550	3.279	
ROUTE	AP#3R	10	2	.12720	271.22	12.944	1.90801	1.550	3.332	
COMPUTE NM HYD	A4-D	-	3	.04390	101.56	4.858	2.07506	1.500	3.615	PER IMP=80.00
ADD HYD	AP#4	2& 3	10	.17110	368.16	17.802	1.95087	1.550	3.362	
ROUTE	AP#4R	10	2	.17110	371.05	17.802	1.95087	1.550	3.388	
COMPUTE NM HYD	A5-D	-	3	.04520	95.53	4.153	1.72289	1.500	3.302	PER IMP=60.00
ADD HYD	AP#5	2& 3	10	.21630	458.83	21.956	1.90323	1.550	3.314	
ROUTE	AP#5R	10	2	.21630	460.09	21.956	1.90323	1.550	3.324	
COMPUTE NM HYD	A6-D	-	3	.04520	88.89	3.729	1.54680	1.500	3.073	PER IMP=50.00
ADD HYD	PART_AP#9	2& 3	10	.26150	542.31	25.684	1.84162	1.550	3.240	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1998 RUN DATE (MON/DAY/YR) =08/15/1996
INPUT FILE = TS100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	A7-D	-	3	.02060	40.52	1.699	1.54680	1.500	3.074	PER IMP=50.00
ADD HYD	PART_AP#9	10& 3	10	.28210	579.79	27.384	1.82009	1.550	3.211	
COMPUTE NM HYD	A8-D&AP#6	-	3	.05700	110.97	5.773	1.89898	1.550	3.042	PER IMP=70.00
ROUTE	AP&6R	3	2	.05700	108.92	5.773	1.89898	1.600	2.986	
COMPUTE NM HYD	A9-D	-	3	.01020	20.86	.841	1.54680	1.500	3.196	PER IMP=50.00
ADD HYD	AP#7	2& 3	20	.06720	123.22	6.614	1.84551	1.600	2.865	
ROUTE	AP#7R	20	2	.06720	123.98	6.614	1.84552	1.600	2.883	
COMPUTE NM HYD	A10-D	-	3	.01020	20.86	.841	1.54680	1.500	3.196	PER IMP=50.00
ADD HYD	AP#8	2& 3	20	.07740	138.28	7.456	1.80614	1.600	2.791	
ROUTE	AP#8R	20	2	.07740	136.11	7.456	1.80615	1.600	2.748	
ADD HYD	AP#9	10& 2	10	.35950	701.38	34.840	1.81709	1.550	3.048	
ROUTE	AP#9R	10	2	.35950	700.23	34.840	1.81709	1.550	3.043	
COMPUTE NM HYD	A11-D	-	3	.00860	20.85	.919	2.00463	1.500	3.787	PER IMP=76.00
ADD HYD	AP#10	2& 3	20	.36810	718.26	35.759	1.82147	1.550	3.049	
COMPUTE NM HYD	B1-D&AP#11	-	3	.02300	53.05	2.286	1.86376	1.500	3.604	PER IMP=68.00
ROUTE	AP#11R	3	2	.02300	49.30	2.286	1.86378	1.550	3.349	
COMPUTE NM HYD	B2-D	-	3	.03500	76.65	3.216	1.72289	1.500	3.422	PER IMP=60.00
ADD HYD	AP#12	2& 3	10	.05800	122.10	5.502	1.77874	1.500	3.289	
ROUTE	AP#12R	10	2	.05800	117.16	5.502	1.77876	1.550	3.156	
COMPUTE NM HYD	B3-D	-	3	.04360	81.77	3.597	1.54680	1.500	2.931	PER IMP=50.00
ADD HYD	AP#13	2& 3	10	.10160	196.47	9.099	1.67920	1.550	3.021	
ROUTE	AP#13R	10	2	.10160	195.91	9.099	1.67921	1.550	3.013	
COMPUTE NM HYD	B4-D	-	3	.02300	47.03	1.897	1.54680	1.500	3.195	PER IMP=50.00
ADD HYD	AP#14	2& 3	10	.12460	237.27	10.996	1.65476	1.550	2.975	
ROUTE	AP#14R	10	12	.12460	236.83	10.996	1.65477	1.550	2.970	
COMPUTE NM HYD	S1-D&AP#15	-	3	.03140	71.05	3.033	1.81093	1.500	3.536	PER IMP=65.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1998 RUN DATE (MON/DAY/YR) =08/15/1996
INPUT FILE = TS100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ROUTE	AP-15R	3	2	.03140	69.21	3.033	1.81095	1.500	3.444	
COMPUTE NM HYD	S2-D	-	3	.01630	33.33	1.345	1.54680	1.500	3.195	PER IMP=50.00
ADD HYD	AP#16	2& 3	10	.04770	102.54	4.377	1.72066	1.500	3.359	
ROUTE	AP#16R	10	2	.04770	100.02	4.377	1.72068	1.550	3.276	
COMPUTE NM HYD	S3-D	-	3	.05670	111.51	4.678	1.54680	1.500	3.073	PER IMP=50.00
ADD HYD	AP#17	2& 3	10	.10440	208.85	9.055	1.62623	1.500	3.126	
ROUTE	AP#17R	10	2	.10440	208.86	9.055	1.62624	1.550	3.126	
COMPUTE NM HYD	S4-D	-	3	.04360	84.44	4.006	1.72289	1.550	3.026	PER IMP=60.00
ADD HYD	AP#18	2& 3	10	.14800	293.30	13.061	1.65471	1.550	3.096	
ROUTE	AP#18R	10	2	.14800	282.01	13.061	1.65471	1.550	2.977	
COMPUTE NM HYD	S5-D	-	3	.02380	51.78	2.165	1.70528	1.500	3.399	PER IMP=59.00
ADD HYD	AP#19	2& 3	10	.17180	327.26	15.226	1.66171	1.550	2.976	
ADD HYD	AP#20	12&10	10	.29640	564.09	26.222	1.65879	1.550	2.974	
ADD HYD	PART_AP#21	20&10	10	.66450	1282.35	61.981	1.74891	1.550	3.015	
COMPUTE NM HYD	B5-D_TWRPND	-	3	.03910	50.89	1.489	.71403	1.500	2.033	PER IMP=5.00
ADD HYD	AP#21	10& 3	20	.70360	1329.61	63.470	1.69140	1.550	2.953	
ROUTE RESERVOIR	AP#22	20	12	.70360	24.77	63.388	1.68920	2.900	.055	AC-FT=47.808
MODIFY TIME	AP#22	12	12	.70360	30.06	63.388	1.68920	2.950	.067	
ROUTE	AP#22R	12	2	.70360	30.05	63.306	1.68703	2.850	.067	
COMPUTE NM HYD	B6-D	-	3	.04590	63.53	4.433	1.81093	1.700	2.163	PER IMP=65.00
ADD HYD	AP#23	2& 3	10	.74950	89.40	67.739	1.69461	1.700	.186	
ROUTE	AP#23R	10	2	.74950	87.26	67.632	1.69192	1.750	.182	
COMPUTE NM HYD	B7-D	-	3	.05910	90.35	5.819	1.84615	1.650	2.389	PER IMP=67.00
ADD HYD	AP#24	2& 3	10	.80860	171.99	73.451	1.70319	1.700	.332	
ROUTE	AP#24R	10	2	.80860	170.11	73.357	1.70102	1.700	.329	
COMPUTE NM HYD	B8-D	-	3	.08910	80.38	7.350	1.54680	1.900	1.410	PER IMP=50.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1998
INPUT FILE = TS100D1B.DAT

RUN DATE (MON/DAY/YR) =08/15/1996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	TS100D2B.HYD	2& 3	30	.89770	239.28	80.707	1.68571	1.750	.416	
COMPUTE NM HYD	A12-D&AP#26	-	3	.03590	84.31	3.838	2.00463	1.500	3.669	PER IMP=76.00
ROUTE	AP#26R	3	2	.03590	80.90	3.838	2.00464	1.550	3.521	
COMPUTE NM HYD	A13-D	-	3	.04520	79.18	4.366	1.81093	1.600	2.737	PER IMP=65.00
ADD HYD	AP#27	2& 3	10	.08110	159.76	8.204	1.89667	1.550	3.078	
ROUTE	AP#27R	10	2	.08110	152.20	8.204	1.89667	1.600	2.932	
COMPUTE NM HYD	A14-D	-	3	.04520	59.45	4.578	1.89897	1.750	2.055	PER IMP=70.00
ADD HYD	AP#28	2& 3	10	.12630	195.52	12.781	1.89749	1.600	2.419	
ROUTE	AP#28R	10	2	.12630	194.13	12.782	1.89749	1.600	2.402	
COMPUTE NM HYD	A15-D	-	3	.02530	44.20	2.325	1.72289	1.550	2.730	PER IMP=60.00
ADD HYD	PART_AP#33	2& 3	20	.15160	237.29	15.106	1.86835	1.600	2.446	
COMPUTE NM HYD	A17-D&AP#29	-	3	.01080	22.09	.891	1.54680	1.500	3.196	PER IMP=50.00
ROUTE	AP&29R	3	2	.01080	16.02	.891	1.54684	1.600	2.317	
COMPUTE NM HYD	A18-D	-	3	.01030	22.57	.946	1.72289	1.500	3.423	PER IMP=60.00
ADD HYD	AP#30	2& 3	10	.02110	35.43	1.837	1.63273	1.550	2.624	
ROUTE	AP&30R	10	2	.02110	25.29	1.837	1.63269	1.650	1.873	
COMPUTE NM HYD	A19-D	-	3	.01080	20.14	.992	1.72289	1.550	2.914	PER IMP=60.00
ADD HYD	AP#31	2& 3	10	.03190	43.04	2.830	1.66321	1.600	2.108	
ROUTE	AP#31R	10	2	.03190	42.34	2.830	1.66321	1.600	2.074	
COMPUTE NM HYD	A20-D	-	3	.00690	15.12	.634	1.72289	1.500	3.424	PER IMP=60.00
ADD HYD	AP#32	2& 3	10	.03880	52.59	3.464	1.67382	1.600	2.118	
ROUTE	AP#32R	10	22	.03880	49.74	3.464	1.67381	1.650	2.003	
ADD HYD	AP#33	20&22	10	.19040	286.03	18.570	1.82870	1.600	2.347	
ROUTE	AP#33R	10	2	.19040	283.46	18.570	1.82870	1.650	2.326	
COMPUTE NM HYD	A16-D	-	3	.06380	71.41	5.263	1.54680	1.750	1.749	PER IMP=50.00
ADD HYD	TS100D1B.HYD	2& 3	10	.25420	347.92	23.833	1.75795	1.650	2.139	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1998 RUN DATE (MON/DAY/YR) =08/15/1996
INPUT FILE = TS100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	S6-D&AP#35	-	3	.03780	51.00	3.473	1.72289	1.700	2.108	PER IMP=60.00
ROUTE	AP#35R	3	2	.03780	50.09	3.473	1.72289	1.700	2.070	
COMPUTE NM HYD	S7-D	-	3	.05700	65.54	5.826	1.91658	1.850	1.797	PER IMP=71.00
ADD HYD	AP#36	2& 3	10	.09480	110.86	9.300	1.83933	1.800	1.827	
ROUTE	AP#36R	10	2	.09480	108.65	9.300	1.83934	1.850	1.791	
COMPUTE NM HYD	S8-D	-	3	.06830	81.37	6.468	1.77571	1.750	1.861	PER IMP=63.00
ADD HYD	AP#37	2& 3	10	.16310	189.29	15.768	1.81269	1.800	1.813	
ROUTE	AP#37R	10	2	.16310	188.47	15.768	1.81269	1.800	1.806	
COMPUTE NM HYD	S9-D	-	3	.07480	152.95	6.171	1.54680	1.500	3.195	PER IMP=50.00
ADD HYD	TS100D3B.HYD	2& 3	20	.23790	235.52	21.939	1.72909	1.750	1.547	
FINISH										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/2996
INPUT FILE = UN100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
										TIME=.00
START										
*S										
*S	UNSER DIVERSION AND SAD 214									
*S										
*S										
*S	100YR 24-HR STORM WITHOUT SEDIMENT									
*S	FILE NAME: UN100D1B.DAT									
*S	BY: RICHARD STOCKTON PEER REVIEWED BY:									
*S	LAST REVISION: 09-13-96									
*S	THE PURPOSE OF THIS MODEL IS TO CALCULATE THE RUNOFF FROM AREA TRIBUTARY TO									
*S	THE SAD 214 DETENTION POND. THE OUTFLOW HYDROGRAPH FROM THIS MODEL									
*S	WILL BE USED IN THE TIERRA BAYITA MODEL TB100D1B.DAT.									
*S	ANALYSIS ASSUMPTIONS:									
*S	1. ALL LAND IN THIS BASIN IS MODELED AS DEVELOPED CONDITION.									
*S										
*S	100 YEAR 24HR STORM DEVELOPED CONDITION									
RAINFALL	TYPE= 2									RAIN24=2.660
COMPUTE NM HYD	120.00	-	1	.11250	273.85	12.099	2.01648	1.500	3.803	PER IMP=75.00
COMPUTE NM HYD	120.00	-	1	.11250	188.65	12.099	2.01647	1.650	2.620	PER IMP=75.00
ROUTE RESERVOIR	120.02	1	5	.11250	65.22	12.101	2.01688	2.150	.906	AC-FT=4.505
ROUTE	120.03	5	1	.11250	65.23	12.101	2.01689	2.150	.906	
ROUTE	120.04	1	11	.11250	65.22	12.101	2.01689	2.150	.906	
COMPUTE NM HYD	130.00	-	1	.06880	167.77	7.399	2.01648	1.500	3.810	PER IMP=75.00
COMPUTE NM HYD	130.00	-	1	.06880	115.74	7.399	2.01648	1.650	2.629	PER IMP=75.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = UN100D1B.DAT

RUN DATE (MON/DAY/YR) =09/13/2996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	130.02	1&11	10	.18130	161.44	19.500	2.01672	1.650	1.391	
ROUTE RESERVOIR	130.03	10	5	.18130	98.61	19.500	2.01672	2.200	.850	AC-FT=4.027
ROUTE	130.04	5	10	.18130	98.70	19.500	2.01673	2.200	.851	
ROUTE RESERVOIR	130.05	10	5	.18130	93.19	19.500	2.01673	2.400	.803	AC-FT=2.665
ROUTE	130.06	5	10	.18130	93.07	19.500	2.01674	2.450	.802	
COMPUTE NM HYD	140.00	-	1	.14840	284.06	15.960	2.01648	1.600	2.991	PER IMP=75.00
COMPUTE NM HYD	140.00	-	1	.14840	212.35	15.960	2.01648	1.750	2.236	PER IMP=75.00
ADD HYD	140.02	10& 1	12	.32970	234.80	35.460	2.01661	1.750	1.113	
ROUTE RESERVOIR	140.03	12	5	.32970	144.35	35.460	2.01663	2.400	.684	AC-FT=6.588
ROUTE	140.04	5	10	.32970	144.33	35.460	2.01663	2.400	.684	
COMPUTE NM HYD	150.00	-	1	.04300	104.90	4.624	2.01648	1.500	3.812	PER IMP=75.00
COMPUTE NM HYD	150.00	-	1	.04300	72.39	4.624	2.01647	1.650	2.630	PER IMP=75.00
ADD HYD	150.02	10& 1	10	.37270	158.40	40.085	2.01661	2.150	.664	
ROUTE RESERVOIR	150.03	10	5	.37270	125.02	40.085	2.01661	2.750	.524	AC-FT=5.610
ROUTE	150.04	5	10	.37270	124.95	40.085	2.01661	2.750	.524	
ROUTE	150.05	10	2	.37270	124.93	40.085	2.01661	2.750	.524	
COMPUTE NM HYD	160.10	-	1	.05170	126.11	5.560	2.01648	1.500	3.811	PER IMP=75.00
*S HYD=160.12 IS *****AP 33.2*****										
ADD HYD	160.12	1& 2	11	.42440	147.57	45.645	2.01659	1.500	.543	
ROUTE	160.13	11	2	.42440	147.38	45.645	2.01659	1.500	.543	
ROUTE	160.14	2	19	.42440	144.67	45.645	2.01659	1.550	.533	
*S BEGIN UNSER BOULEVARD STORM DRAIN SYSTEM BETWEEN I-40 AND THE FUTURE TIERRA										
*S BAYITA STORM DRAIN										
COMPUTE NM HYD	170.10	-	2	.06330	160.19	7.303	2.16311	1.500	3.954	PER IMP=85.00
ROUTE RESERVOIR	170.15	2	6	.06330	47.17	7.303	2.16310	1.900	1.164	AC-FT=2.776
COMPUTE NM HYD	170.20	-	3	.00770	14.44	.563	1.37071	1.500	2.929	PER IMP=40.00

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/2996
INPUT FILE = UN100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
COMPUTE NM HYD	170.30	-	4	.00370	9.65	.444	2.25115	1.500	4.074	PER IMP=90.00
ADD HYD	170.31	6& 4	5	.06700	50.35	7.747	2.16795	1.800	1.174	
ADD HYD	170.32	3& 5	2	.07470	61.91	8.310	2.08577	1.550	1.295	
COMPUTE NM HYD	170.40	-	3	.00600	12.57	.523	1.63484	1.500	3.273	PER IMP=55.00
ADD HYD	170.43	2& 3	5	.08070	73.11	8.833	2.05224	1.550	1.416	
DIVIDE HYD	170.44	5	2	.06936	41.00	7.591	2.05224	1.400	.924	
	170.45	AND	11	.01134	32.11	1.242	2.05224	1.550	4.423	
ROUTE	170.46	2	1	.06936	42.95	7.591	2.05225	1.450	.968	
ROUTE	170.47	1	3	.06936	43.50	7.591	2.05225	1.450	.980	
COMPUTE NM HYD	170.50	-	2	.00290	7.14	.321	2.07506	1.500	3.848	PER IMP=80.00
ADD HYD	170.51	2& 3	4	.07226	49.76	7.912	2.05315	1.450	1.076	
ROUTE	170.48	11	2	.01134	29.01	1.242	2.05292	1.600	3.996	
ADD HYD	170.52	4& 2	2	.08360	75.18	9.154	2.05312	1.600	1.405	
ROUTE	170.55	2	3	.08360	75.48	9.154	2.05312	1.600	1.411	
COMPUTE NM HYD	170.60	-	2	.00180	4.44	.199	2.07506	1.500	3.853	PER IMP=80.00
ADD HYD	170.61	2& 3	4	.08540	78.51	9.353	2.05358	1.600	1.437	
COMPUTE NM HYD	170.70	-	2	.08590	217.10	9.910	2.16311	1.500	3.949	PER IMP=85.00
ROUTE RESERVOIR	170.71	2	3	.08590	56.59	9.910	2.16310	1.950	1.029	AC-FT=4.098
COMPUTE NM HYD	170.80	-	2	.00540	14.07	.648	2.25116	1.500	4.072	PER IMP=90.00
ADD HYD	170.81	3& 2	5	.09130	60.85	10.558	2.16830	1.800	1.041	
ADD HYD	170.82	4& 5	2	.17670	138.92	19.912	2.11285	1.600	1.228	
COMPUTE NM HYD	170.90	-	3	.00470	11.56	.520	2.07507	1.500	3.844	PER IMP=80.00
ADD HYD	170.91	3& 2	4	.18140	146.81	20.432	2.11187	1.600	1.265	
DIVIDE HYD	170.92	4	2	.15976	92.00	17.994	2.11187	1.450	.900	
	170.93	AND	10	.02164	54.81	2.438	2.11187	1.600	3.957	
DIVIDE HYD	170.95	10	11	.02113	48.00	2.380	2.11187	1.550	3.549	

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994
INPUT FILE = UN100D1B.DAT

RUN DATE (MON/DAY/YR) =09/13/2996
USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
	170.94	AND	3	.00051	6.81	.058	2.11188	1.600	20.715	
ROUTE	170.96	3	4	.00051	4.18	.058	2.12695	1.650	12.710	
ROUTE	170.97	2	3	.15976	92.91	17.994	2.11188	1.500	.909	
COMPUTE NM HYD	171.10	-	2	.00210	5.48	.252	2.25115	1.500	4.078	PER IMP=90.00
ADD HYD	171.11	4& 2	5	.00261	7.35	.310	2.22638	1.600	4.396	
ADD HYD	171.12	3& 5	2	.16237	99.43	18.304	2.11372	1.600	.957	
DIVIDE HYD	171.13	2	3	.16237	99.43	18.304	2.11372	1.600	.957	
	171.14	AND	9	.00000	.00	.000	.00000	-.050	.000	
ROUTE	171.15	3	10	.16237	99.34	18.304	2.11372	1.600	.956	
COMPUTE NM HYD	171.00	-	3	.00220	5.74	.264	2.25115	1.500	4.078	PER IMP=90.00
ROUTE	171.01	11	4	.02113	47.97	2.380	2.11224	1.650	3.547	
ADD HYD	171.02	3& 4	2	.02333	51.05	2.645	2.12530	1.650	3.419	
DIVIDE HYD	171.03	2	3	.01407	20.00	1.595	2.12530	1.500	2.221	
	171.04	AND	6	.00926	31.05	1.049	2.12530	1.650	5.240	
COMPUTE NM HYD	160.20	-	1	.03500	85.38	3.764	2.01648	1.500	3.812	PER IMP=75.00
ADD HYD	160.21	1& 3	2	.04907	105.38	5.359	2.04768	1.500	3.355	
ROUTE	160.22	2	1	.04907	104.55	5.359	2.04769	1.500	3.329	
ADD HYD	160.23	1&10	2	.21144	203.02	23.663	2.09839	1.500	1.500	
COMPUTE NM HYD	180.10	-	1	.03380	77.86	3.380	1.87475	1.500	3.599	PER IMP=68.00
ADD HYD	180.11	1& 2	3	.24524	280.87	27.043	2.06757	1.500	1.790	
*S HYD=180.12 IS *****AP 33.1*****										
ROUTE RESERVOIR	180.12	3	10	.24524	100.80	27.076	2.07009	2.450	.642	AC-FT=6.984
ROUTE	180.13	10	2	.24524	100.80	27.076	2.07009	2.450	.642	
ADD HYD	180.14	19& 2	3	.66964	226.80	72.721	2.03618	2.750	.529	
ADD HYD	180.15	6& 9	1	.00926	31.05	1.049	2.12530	1.650	5.240	
*S HYD=UN100D1B.HYD IS *****AP 33*****										

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/2996
INPUT FILE = UN100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	UN100D1B.DAT	3& 1	2	.67890	248.30	73.770	2.03740	1.550	.571	
FINISH										

III-D AHYMO Input, Output and Summary Files Compact Disk

AMOLE-HUBBELL DRAINAGE MANAGEMENT PLAN

AHYMO SUMMARY TABLE (AHYMO194) - AMAFCA Hydrologic Model - January, 1994 RUN DATE (MON/DAY/YR) =09/13/2996
INPUT FILE = UN100D1B.DAT USER NO.= STOCKTON.S94

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION
ADD HYD	UN100D1B.DAT	3& 1	2	.67890	248.30	73.770	2.03740	1.550	.571	
FINISH										