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FLOOD STUDY
TECHNICAL DATA NOTEBOOK

for

WHITE TANKS/AGUA FRIA
AREA DRAINAGE MASTER STUDY

APPENDIX E
VOLUME 6 OF 15

S-GRAPH INPUT PARAMETERS
SOILS TABLES

Prepared for:
FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 1

S-GRAPH PARAMETERS

Area = 1.94 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
3.40	2820.0	0.118

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 3.40 mi Av.Slope= 829.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 1.36 mi

Lag = 35.93 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	9.9	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	99.0 %	------	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
49	1.0 %	------	Sandy Clay Loam	0.30	0.22	0.00	----	0.55	0.73	0.0
Weight.Av	100.0 %			0.34	----	----	3.21	0.86	1.14	19.8

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
1	1.94	0.20	0.34	3.21	1.14	9.9	35.93

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 2

S-GRAPH PARAMETERS

Area = 1.82 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.96	580.0	0.039
2.44	280.0	0.228

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 3.40 mi Av.Slope= 162.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 1.70 mi

Lag = 53.32 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	50 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	50 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.18	11.7	35.0	1.27	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	30.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.09	20.0
Rs	23.0 %	Rock outcrop	---------	0.32	0.22	0.00	----	0.30	0.38	65.0
EpD	23.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.27	0.0
TB	12.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.52	0.0
Co	12.0 %	Cherioni	Sandy loam	0.34	0.24	0.00	----	0.36	0.36	20.0
Weight.Av	100.0 %			0.33	----	----	3.91	0.56	0.70	23.4

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
2	1.82	0.18	0.33	3.91	0.70	11.7	53.32

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 3

S-GRAPH PARAMETERS

Area = 0.81 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.31	95.0	0.154

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.31 mi Av.Slope= 72.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.66 mi

Lag = 30.10 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	100 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.15	0.0	30.0	1.21	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AKB	73.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
Vr	9.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.12	1.36	0.0
TB	8.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.45	0.0
AGB	7.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
AL	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
Weight.Av	100.0 %			0.33	----	----	4.08	0.49	0.54	0.1

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
3	0.81	0.15	0.33	4.08	0.54	0.0	30.10

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 3A

S-GRAPH PARAMETERS

Area = 0.29 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.16	40.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.16 mi Av.Slope= 34.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.46 mi

Lag = 29.04 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
HIL	100 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.15	0.0	30.0	1.21	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weighted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AKB	70.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
Vr	25.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.12	1.36	0.0
AdB	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.0
Weight.Av	100.0 %			0.33	----	----	3.99	0.53	0.59	0.0

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
3A	0.29	0.15	0.33	3.99	0.59	0.0	29.04

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 4

S-GRAPH PARAMETERS

Area = 0.3 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.10	330.0	0.064

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.10 mi Av.Slope= 300.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.66 mi

Lag = 21.57 min Lag = 20*Kn*1.2*{(L*Lca/S^.5)^.38}*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	1.0	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops *for noncontiguous undeveloped areas*

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
49	90.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.55	0.73	0.0
100	10.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
Weight.Av	100.0 %			0.30	----	----	3.87	0.58	0.77	2.0

Land type weighted DTHETA = 0.30

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
4	0.30	0.20	0.30	3.87	0.77	1.0	21.57

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 5

S-GRAPH PARAMETERS

Area = 0.72 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.33	520.0	0.067

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.33 mi Av.Slope= 391.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.67 mi

Lag = 22.11 min Lag = 20*Kn*1.2*{(L*Lca/S^.5)^.38}*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	9.2	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	92.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
49	8.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.55	0.73	0.0
Weight.Av	100.0 %			0.34	----	----	3.27	0.84	1.11	18.4

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
5	0.72	0.20	0.34	3.27	1.11	9.2	22.11

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 6

S-GRAPH PARAMETERS

Area = 0.45 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	1360.0	0.027

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 1360.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.50 mi

Lag = 14.05 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	10.0	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	100.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
Weight.Av	100.0 %			0.34	----	----	3.21	0.86	1.14	20.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
6	0.45	0.20	0.34	3.21	1.14	10.0	14.05

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 7

S-GRAPH PARAMETERS

Area = 0.31 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	1190.0	0.030

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 1155.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.52 mi

Lag = 14.82 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	10.0	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	100.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
Weight.Av	100.0 %			0.34	----	----	3.21	0.86	1.14	20.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
7	0.31	0.20	0.34	3.21	1.14	10.0	14.82

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 8

S-GRAPH PARAMETERS

Area = 0.81 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
2.36	2200.0	0.077

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.36 mi Av.Slope= 932.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.94 mi

Lag = 26.63 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	10.0	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	100.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
Weight.Av	100.0 %			0.34	----	----	3.21	0.86	1.14	20.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
8	0.81	0.20	0.34	3.21	1.14	10.0	26.63

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 9

S-GRAPH PARAMETERS

Area = 1.4 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
2.20	1440.0	0.086

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.20 mi Av.Slope= 654.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 1.21 mi

Lag = 30.47 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
MNT	96 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	4 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.20	9.7	39.6	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	96.5 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
29	2.5 %	-----	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
48	1.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.72	0.0
Weight.Av	100.0 %			0.34	----	----	3.24	0.85	1.12	19.3

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
9	1.40	0.20	0.34	3.24	1.12	9.7	30.47

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 10

S-GRAPH PARAMETERS

Area = 2.02 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.66	1280.0	0.015
3.21	370.0	0.299

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 3.87 mi Av.Slope= 151.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 1.74 mi

Lag = 57.24 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	90 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
MNT	10 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.16	3.3	31.0	1.22	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
TB	18.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.47	0.0
AKB	17.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
100	13.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.05	20.0
PYD	11.0 %	Pinmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.0
EpD	11.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.26	0.0
Rs	6.0 %	Rock outcrop	---------	0.32	0.22	0.00	----	0.30	0.37	65.0
CV	6.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
AL	6.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
GYD	4.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
AGB	3.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
29	3.0 %	-----	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Vr	1.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.12	1.37	0.0
48	1.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.66	0.0
Weight.Av	100.0 %			0.33	----	----	3.90	0.57	0.66	6.7

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.2	[illegible]

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 11

S-GRAPH PARAMETERS

Area = 1.56 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.90	1650.0	0.021
1.60	310.0	0.115

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.50 mi Av.Slope= 338.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 1.25 mi

Lag = 36.72 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	50 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	50 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.18	6.8	35.0	1.27	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	39.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.09	20.0
EpD	34.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.27	0.0
48	11.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.69	0.0
Rs	8.0 %	Rock outcrop	---------	0.32	0.22	0.00	----	0.30	0.38	65.0
Co	3.0 %	Cherioni	Sandy loam	0.34	0.24	0.00	----	0.36	0.36	20.0
AM	3.0 %	Antho	Sandy Loam	0.34	0.24	0.00	----	0.37	0.37	0.0
TB	2.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.52	0.0
Weight.Av	100.0 %			0.32	----	----	3.98	0.54	0.67	13.6

Land type weighted DTHETA = 0.32

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
11	1.56	0.18	0.32	3.98	0.67	6.8	36.72

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 12

S-GRAPH PARAMETERS

Area = 1.38 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.47	640.0	0.013
2.27	350.0	0.183

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.74 mi Av.Slope= 196.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 1.23 mi

Lag = 41.93 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	90 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
MNT	10 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.16	3.0	31.0	1.22	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
PYD	21.0 %	Pinmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.0
EpD	21.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.26	0.0
CV	13.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
AKB	11.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
100	9.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.05	20.0
TB	8.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.47	0.0
AGB	8.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
Rs	6.0 %	Rock outcrop	---------	0.32	0.22	0.00	----	0.30	0.37	65.0
48	2.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.66	0.0
Co	1.0 %	Cherioni	Sandy loam	0.34	0.24	0.00	----	0.36	0.36	20.0
Weight.Av	100.0 %			0.32	----	----	4.18	0.45	0.50	5.9

Land type weighted DTHETA = 0.32

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
12	1.38	0.16	0.32	4.18	0.50	3.0	41.93

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 13

S-GRAPH PARAMETERS

Area = 1.3 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
2.23	245.0	0.213

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.23 mi Av.Slope= 109.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.78 mi

Lag = 36.39 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
HIL	100 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.15	0.0	30.0	1.21	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
PYD	17.0 %	Pinmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.0
EpD	16.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.25	0.0
AM	15.0 %	Antho	Sandy Loam	0.34	0.24	0.00	----	0.37	0.37	0.0
AGB	14.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
TB	13.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.45	0.0
CV	13.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
AHC	12.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.0
Weight.Av	100.0 %			0.33	----	----	4.14	0.47	0.51	0.0

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
13	1.30	0.15	0.33	4.14	0.51	0.0	36.39

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 14

S-GRAPH PARAMETERS

Area = 1.47 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.40	1800.0	0.039
0.90	330.0	0.047

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.30 mi Av.Slope= 714.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 1.15 mi

Lag = 29.89 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	90 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	10 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.20	9.0	39.0	1.32	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	90.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.13	20.0
48	9.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.71	0.0
10	1.0 %	-----	Loamy Sand	0.35	0.29	0.00	----	2.39	3.15	0.0
Weight.Av	100.0 %			0.34	----	----	3.24	0.85	1.12	18.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
14	1.47	0.20	0.34	3.24	1.12	9.0	29.89

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 15

S-GRAPH PARAMETERS

Area = 1.26 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.13	1400.0	0.032
0.91	155.0	0.070

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.04 mi Av.Slope= 401.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 1.22 mi

Lag = 32.63 min Lag = 20*$\overline{Kn}$*1.2*{(L*Lca/S^.5)^.38}*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
MNT	50 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	50 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.18	6.4	35.0	1.27	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	32.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.09	20.0
TB	15.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.52	0.0
EpD	12.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.27	0.0
Co	12.0 %	Cherioni	Sandy loam	0.34	0.24	0.00	----	0.36	0.36	20.0
18	9.0 %	-----	Loamy Sand	0.34	0.28	0.00	----	0.98	1.24	15.0
AGB	8.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
AM	5.0 %	Antho	Sandy Loam	0.34	0.24	0.00	----	0.37	0.37	0.0
Rs	4.0 %	Rock outcrop	---------	0.32	0.22	0.00	----	0.30	0.38	65.0
PYD	3.0 %	Pinmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.0
Weight.Av	100.0 %			0.33	----	----	3.58	0.70	0.86	12.8

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
15	1.26	0.18	0.33	3.58	0.86	6.4	32.63

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 16

S-GRAPH PARAMETERS

Area = 1.13 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.57	1000.0	0.014
1.32	150.0	0.124

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.89 mi Av.Slope= 189.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.95 mi

Lag = 33.15 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	60 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
MNT	40 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.17	11.1	34.0	1.26	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Rs	29.0 %	Rock outcrop	---------	0.32	0.22	0.00	----	0.30	0.38	65.0
EpD	24.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.26	0.0
PYD	10.0 %	Pinmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.0
Co	10.0 %	Cherioni	Sandy loam	0.34	0.24	0.00	----	0.36	0.36	20.0
AHC	10.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.0
AGB	10.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
100	7.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.08	20.0
Weight.Av	100.0 %			0.32	----	----	4.08	0.36	0.41	22.3

Land type weighted DTHETA = 0.32

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
16	1.13	0.17	0.32	4.08	0.41	11.1	33.15

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 17

S-GRAPH PARAMETERS

Area = 1.07 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.33	90.0	0.162

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.33 mi Av.Slope= 67.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.67 mi

Lag = 30.85 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	80 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
DRL	20 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.19	0.1	28.0	1.19	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AHC	39.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.0
AM	17.0 %	Antho	Sandy Loam	0.34	0.24	0.00	----	0.37	0.37	0.0
AGB	16.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
TB	15.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.43	0.0
AL	6.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
AKB	6.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
Ae	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
Weight.Av	100.0 %			0.33	----	----	4.04	0.51	0.54	0.2

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
17	1.07	0.19	0.33	4.04	0.54	0.1	30.85

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : WT3

S-GRAPH PARAMETERS

Area = 0.44 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.61	50.0	0.289

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.61 mi Av.Slope= 31.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.81 mi

Lag = 41.36 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AKB	86.5 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
GgA	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
AdB	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.0
AbA	1.5 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.32	----	----	3.91	0.33	0.33	0.0

Land type weighted DTHETA = 0.32

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
WT3	0.44	0.35	0.32	3.91	0.33	0.0	41.36

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 18

S-GRAPH PARAMETERS

Area = 0.81 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.25	1150.0	0.041

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.25 mi Av.Slope= 920.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.63 mi

Lag = 17.93 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	9.5	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	94.5 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
49	5.5 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.55	0.73	0.0
Weight.Av	100.0 %			0.34	----	----	3.25	0.84	1.12	18.9

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
18	0.81	0.20	0.34	3.25	1.12	9.5	17.93

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 19

S-GRAPH PARAMETERS

Area = 0.79 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.74	1200.0	0.018
1.33	280.0	0.092

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.07 mi Av.Slope= 353.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 1.04 mi

Lag = 31.54 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
MNT	80 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	20 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.19	8.7	38.0	1.31	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	87.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.12	20.0
48	13.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.71	0.0
Weight.Av	100.0 %			0.33	----	----	3.31	0.82	1.07	17.4

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
19	0.79	0.19	0.33	3.31	1.07	8.7	31.54

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 20

S-GRAPH PARAMETERS

Area = 1.07 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.44	800.0	0.010
1.62	530.0	0.090

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.06 mi Av.Slope= 425.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 1.03 mi

Lag = 30.34 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
MNT	70 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	30 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.19	8.4	37.0	1.29	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	84.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.11	20.0
48	16.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.70	0.0
Weight.Av	100.0 %			0.33	----	----	3.33	0.81	1.05	16.8

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
20	1.07	0.19	0.33	3.33	1.05	8.4	30.34

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 21

S-GRAPH PARAMETERS

Area = 0.79 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.44	480.0	0.013
1.33	170.0	0.118

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.77 mi Av.Slope= 182.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.89 mi

Lag = 31.75 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	70 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	30 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.19	4.7	37.0	1.29	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
48	53.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.70	0.0
100	33.5 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.11	20.0
EpD	9.5 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.27	0.0
Rs	4.0 %	Rock outcrop	---------	0.32	0.22	0.00	----	0.30	0.39	65.0
Weight.Av	100.0 %			0.31	----	----	3.81	0.61	0.78	9.3

Land type weighted DTHETA = 0.31

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
21	0.79	0.19	0.31	3.81	0.78	4.7	31.75

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 22A

S-GRAPH PARAMETERS

Area = 0.5 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	160.0	0.101

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 135.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.47 mi

Lag = 22.68 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	100 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.15	1.0	30.0	1.21	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
EpD	94.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.25	0.0
TB	3.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.45	0.0
Rs	3.0 %	Rock outcrop	---------	0.32	0.22	0.00	----	0.30	0.36	65.0
Weight.Av	100.0 %			0.29	----	----	3.74	0.24	0.29	2.0

Land type weighted DTHETA = 0.29

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
22A	0.50	0.15	0.29	3.74	0.29	1.0	22.68

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 22

S-GRAPH PARAMETERS

Area = 0.57 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.75	1400.0	0.017
0.85	170.0	0.060

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.60 mi Av.Slope= 426.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.80 mi

Lag = 25.02 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
MNT	85 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	15 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.19	7.4	38.5	1.31	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	69.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.13	20.0
48	25.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.71	0.0
18	6.0 %	-----	Loamy Sand	0.34	0.28	0.00	----	0.98	1.29	15.0
Weight.Av	100.0 %			0.33	----	----	3.38	0.79	1.03	14.7

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
22	0.57	0.19	0.33	3.38	1.03	7.4	25.02

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 23

S-GRAPH PARAMETERS

Area = 0.16 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.44	40.0	0.046

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.44 mi Av.Slope= 90.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.18 mi

Lag = 11.56 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
MNT	50 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	50 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.18	10.6	35.0	1.27	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	41.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.09	20.0
EpD	34.5 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.27	0.0
Rs	20.0 %	Rock outcrop	---------	0.32	0.22	0.00	----	0.30	0.38	65.0
4B	4.5 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.69	0.0
Weight.Av	100.0 %			0.32	----	----	4.04	0.51	0.65	21.2

Land type weighted DTHETA = 0.32

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
23	0.16	0.18	0.32	4.04	0.65	10.6	11.56

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 24

S-GRAPH PARAMETERS

Area = 0.14 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.89	70.0	0.100

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.89 mi Av.Slope= 78.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.45 mi

Lag = 22.09 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AHC	67.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.0
EpD	30.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.23	0.0
TB	3.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.33	0.0
Weight.Av	100.0 %			0.31	----	----	3.77	0.30	0.31	0.0

Land type weighted DTHETA = 0.31

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
24	0.14	0.35	0.31	3.77	0.31	0.0	22.09

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 25

S-GRAPH PARAMETERS

Area = 0.46 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.33	115.0	0.143

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.33 mi Av.Slope= 86.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.67 mi

Lag = 29.45 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
HIL	100 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.15	0.0	30.0	1.21	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
EpD	73.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.25	0.0
TB	18.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.45	0.0
AGB	5.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
AHC	4.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.0
Weight.Av	100.0 %			0.31	----	----	4.27	0.41	0.49	0.0

Land type weighted DTHETA = 0.31

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
25	0.46	0.15	0.31	4.27	0.49	0.0	29.45

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 26

S-GRAPH PARAMETERS

Area = 1.16 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.74	737.0	0.023
1.62	240.0	0.133

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.36 mi Av.Slope= 227.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 1.18 mi

Lag = 37.90 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
HIL	60 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
MNT	40 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.17	3.1	34.0	1.26	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
48	46.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.68	0.0
100	31.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.08	20.0
44	23.0 %	-----	Sandy Clay Loam	0.26	0.16	0.00	----	0.10	0.13	0.0
Weight.Av	100.0 %			0.30	----	----	3.97	0.54	0.68	6.2

Land type weighted DTHETA = 0.30

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
26	1.16	0.17	0.30	3.97	0.68	3.1	37.90

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 27

S-GRAPH PARAMETERS

Area = 1 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.85	305.0	0.144

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.85 mi Av.Slope= 164.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.93 mi

Lag = 33.48 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	100 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.15	0.3	30.0	1.21	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
48	43.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.65	0.0
EpD	28.0 %	Ebon	Sandy Clay Loam	0.29	0.19	0.00	----	0.21	0.25	0.0
AHC	15.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.0
29	7.0 %	-----	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
AGB	4.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
100	3.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.04	20.0
Weight.Av	100.0 %			0.31	----	----	4.27	0.41	0.48	0.6

Land type weighted DTHETA = 0.31

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
27	1.00	0.15	0.31	4.27	0.48	0.3	33.48

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 28

S-GRAPH PARAMETERS

Area = 0.86 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.73	111.0	0.216

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.73 mi Av.Slope= 64.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.87 mi

Lag = 38.06 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	100 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.15	0.1	30.0	1.21	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AGB	58.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
AL	11.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
AHC	11.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.0
AdB	10.5 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.0
AKB	3.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
PYD	2.0 %	Pinmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.0
AbA	2.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	1.5 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.30	0.0
Ma	1.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Weight.Av	100.0 %			0.35	----	----	4.02	0.52	0.52	0.3

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
28	0.86	0.15	0.35	4.02	0.52	0.1	38.06

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 29

S-GRAPH PARAMETERS

Area = 0.22 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.90	50.0	0.121

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.90 mi Av.Slope= 55.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.45 mi

Lag = 23.80 min Lag = 20*$\overline{Kn}$*1.2*{(L*Lca/S^.5)^.38}*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	100 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.15	0.0	30.0	1.21	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AGB	81.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
TB	19.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.45	0.0
Weight.Av	100.0 %			0.35	----	----	3.52	0.73	0.78	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
29	0.22	0.15	0.35	3.52	0.78	0.0	23.80

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 30

S-GRAPH PARAMETERS

Area = 0.28 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	70.0	0.147

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 60.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.46 mi

Lag = 25.89 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	100 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.15	0.2	30.0	1.21	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Tc	52.5 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.45	0.0
Ma	22.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
AL	18.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
Bs	7.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
TB	0.5 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.45	0.0
Weight.Av	100.0 %			0.35	----	----	3.27	0.83	0.97	0.5

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
30	0.28	0.15	0.35	3.27	0.97	0.2	25.89

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 31

S-GRAPH PARAMETERS

Area = 0.71 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.78	101.0	0.236

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.78 mi Av.Slope= 56.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.89 mi

Lag = 39.81 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
HIL	80 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
DRL	20 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.19	0.2	28.0	1.19	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AGB	21.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
TB	20.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.43	0.0
AL	17.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
Bs	16.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
AHC	11.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.0
Ma	5.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
AKB	4.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
Cb	3.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.33	0.0
AdA	2.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Va	1.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Weight.Av	100.0 %			0.35	----	----	3.76	0.63	0.68	0.4

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
31	0.71	0.19	0.35	3.76	0.68	0.2	39.81

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 32

S-GRAPH PARAMETERS

Area = 1.29 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
2.46	1300.0	0.107

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.46 mi Av.Slope= 528.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 1.23 mi

Lag = 33.32 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	10.0	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	100.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
Weight.Av	100.0 %			0.34	----	----	3.21	0.86	1.14	20.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
32	1.29	0.20	0.34	3.21	1.14	10.0	33.32

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 33

S-GRAPH PARAMETERS

Area = 0.65 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.62	1370.0	0.056

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.62 mi Av.Slope= 845.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.81 mi

Lag = 22.18 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	10.0	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	100.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
Weight.Av	100.0 %			0.34	----	----	3.21	0.86	1.14	20.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
33	0.65	0.20	0.34	3.21	1.14	10.0	22.18

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 34

S-GRAPH PARAMETERS

Area = 0.36 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.48	1000.0	0.057

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.48 mi Av.Slope= 675.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.74 mi

Lag = 21.61 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	10.0	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	100.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
Weight.Av	100.0 %			0.34	----	----	3.21	0.86	1.14	20.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
34	0.36	0.20	0.34	3.21	1.14	10.0	21.61

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 35

S-GRAPH PARAMETERS

Area = 0.39 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.95	1110.0	0.028
0.56	160.0	0.033

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.51 mi Av.Slope= 614.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.60 mi

Lag = 20.53 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	100 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.20	10.0	40.0	1.33	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	100.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.14	20.0
Weight.Av	100.0 %			0.34	----	----	3.21	0.86	1.14	20.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
35	0.39	0.20	0.34	3.21	1.14	10.0	20.53

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 36

S-GRAPH PARAMETERS

Area = 0.24 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	210.0	0.088

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 178.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 23.44 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
HIL	90 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
MNT	10 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.16	1.1	31.0	1.22	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
3	64.0 %	-----	Sandy Loam	0.35	0.27	0.00	----	1.78	1.78	0.0
48	20.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.66	0.0
100	11.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.05	20.0
29	5.0 %	-----	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Weight.Av	100.0 %			0.34	----	----	2.38	1.36	1.41	2.2

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
36	0.24	0.16	0.34	2.38	1.41	1.1	23.44

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 37

S-GRAPH PARAMETERS

Area = 0.95 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.75	800.0	0.023
1.51	210.0	0.128

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.27 mi Av.Slope= 224.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 1.02 mi

Lag = 35.43 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	70 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	30 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.19	8.4	37.0	1.29	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	84.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.11	20.0
48	13.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.70	0.0
3	3.0 %	-----	Sandy Loam	0.35	0.27	0.00	----	1.78	1.78	0.0
Weight.Av	100.0 %			0.34	----	----	3.24	0.85	1.08	16.8

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
37	0.95	0.19	0.34	3.24	1.08	8.4	35.43

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 38

S-GRAPH PARAMETERS

Area = 0.76 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.29	200.0	0.104

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.29 mi Av.Slope= 155.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.58 mi

Lag = 24.74 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
HIL	60 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
MNT	40 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
Weight.Av	100 %		0.17	4.5	34.0	1.26	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	45.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.08	20.0
29	26.5 %	-----	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
3	17.0 %	-----	Sandy Loam	0.35	0.27	0.00	----	1.78	1.78	0.0
48	11.0 %	-----	Sandy Clay Loam	0.30	0.22	0.00	----	0.54	0.68	0.0
AGB	0.5 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
Weight.Av	100.0 %			0.34	----	----	3.21	0.86	0.97	9.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
38	0.76	0.17	0.34	3.21	0.97	4.5	24.74

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 39

S-GRAPH PARAMETERS

Area = 0.77 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.97	149.0	0.227

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.97 mi Av.Slope= 75.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.99 mi

Lag = 40.72 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	100 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.15	0.2	30.0	1.21	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AGB	62.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
PYD	13.5 %	Pinmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.0
AL	12.5 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
TB	9.5 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.45	0.0
29	2.5 %	-----	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Weight.Av	100.0 %			0.34	----	----	3.81	0.61	0.63	0.3

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
39	0.77	0.15	0.34	3.81	0.63	0.2	40.72

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 40

S-GRAPH PARAMETERS

Area = 0.52 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.53	800.0	0.014
0.98	150.0	0.079

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.51 mi Av.Slope= 264.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.60 mi

Lag = 24.09 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
MNT	60 %	Mountain	0.20	50%Rock-	40.0	1.33	0.050	Dry
HIL	40 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
Weight.Av	100 %		0.18	7.0	36.0	1.28	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
100	70.0 %	-----	Loamy Sand	0.34	0.27	0.00	----	0.86	1.10	20.0
29	30.0 %	-----	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Weight.Av	100.0 %			0.34	----	----	3.54	0.72	0.89	14.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
40	0.52	0.18	0.34	3.54	0.89	7.0	24.09

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 41A1

S-GRAPH PARAMETERS

Area = 0.02 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.21	19.0	0.022

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.21 mi Av.Slope= 90.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.11 mi

Lag = 7.18 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
HLC	90.0 %	Harqua	Clay Loam	0.31	0.21	0.00	----	0.25	0.28	0.0
AGB	10.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
Weight.Av	100.0 %			0.31	----	----	3.70	0.29	0.31	0.0

Land type weighted DTHETA = 0.31

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
41A1	0.02	0.35	0.31	3.70	0.31	0.0	7.18

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 41A2

S-GRAPH PARAMETERS

Area = 0.03 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.23	20.0	0.025

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.23 mi Av.Slope= 87.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.12 mi

Lag = 7.75 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AGB	85.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
HLC	15.0 %	Harqua	Clay Loam	0.31	0.21	0.00	----	0.25	0.28	0.0
Weight.Av	100.0 %			0.34	----	----	3.91	0.56	0.57	0.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
41A2	0.03	0.35	0.34	3.91	0.57	0.0	7.75

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 41A3

S-GRAPH PARAMETERS

Area = 0.03 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.26	22.0	0.028

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.26 mi Av.Slope= 84.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.13 mi

Lag = 8.55 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
HLC	93.0 %	Harqua	Clay Loam	0.31	0.21	0.00	----	0.25	0.28	0.0
AGB	7.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
Weight.Av	100.0 %			0.31	----	----	3.64	0.28	0.30	0.0

Land type weighted DTHETA = 0.31

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
41A3	0.03	0.35	0.31	3.64	0.30	0.0	8.55

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 41A

S-GRAPH PARAMETERS

Area = 0.05 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.34	31.0	0.036

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.34 mi Av.Slope= 91.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.17 mi

Lag = 10.34 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AGB	73.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
HLC	27.0 %	Harqua	Clay Loam	0.31	0.21	0.00	----	0.25	0.28	0.0
Weight.Av	100.0 %			0.34	----	----	4.01	0.52	0.53	0.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
41A	0.05	0.35	0.34	4.01	0.53	0.0	10.34

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 41-1

S-GRAPH PARAMETERS

Area = 0.15 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.59	44.0	0.068

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.59 mi Av.Slope= 74.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.32 mi

Lag = 16.93 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AGB	100.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
Weight.Av	100.0 %			0.35	----	----	3.78	0.62	0.62	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
41-1	0.15	0.35	0.35	3.78	0.62	0.0	16.93

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 41-2

S-GRAPH PARAMETERS

Area = 0.1 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.74	60.0	0.082

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.74 mi Av.Slope= 81.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.26 mi

Lag = 16.67 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.3	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AGB	80.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
AL	20.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
Weight.Av	100.0 %			0.35	----	----	3.87	0.58	0.58	0.5

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
41-2	0.10	0.35	0.35	3.87	0.58	0.3	16.67

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 41

S-GRAPH PARAMETERS

Area = 0.58 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.45	220.0	0.020
1.18	64.0	0.160

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.63 mi Av.Slope= 81.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.81 mi

Lag = 34.76 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
HIL	70 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.21	0.3	27.0	1.18	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
29	57.0 %	-----	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
AL	23.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
98	12.0 %	-----	Sandy Clay Loam	0.30	0.20	0.00	----	0.23	0.27	0.0
CV	4.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
AGB	2.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
10	2.0 %	-----	Loamy Sand	0.35	0.29	0.00	----	2.39	2.82	0.0
Weight.Av	100.0 %			0.34	----	----	4.24	0.43	0.44	0.6

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
41	0.58	0.21	0.34	4.24	0.44	0.3	34.76

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 42

S-GRAPH PARAMETERS

Area = 1.18 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
2.08	200.0	0.212

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.08 mi Av.Slope= 96.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 1.04 mi

Lag = 40.54 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
HIL	70 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.21	0.1	27.0	1.18	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AGB	38.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.0
PYD	25.0 %	Pinmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.0
TSC	23.0 %	Tremant	Sandy Clay Loam	0.26	0.17	0.00	----	0.14	0.17	0.0
AL	6.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
TB	4.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.42	0.0
PRB	4.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.32	----	----	4.21	0.44	0.45	0.2

Land type weighted DTHETA = 0.32

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
42	1.18	0.21	0.32	4.21	0.45	0.1	40.54

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 43-1

S-GRAPH PARAMETERS

Area = 0.04 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.36	18.0	0.051

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.36 mi Av.Slope= 50.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.18 mi

Lag = 12.10 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.9	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AL	73.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
CV	27.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
Weight.Av	100.0 %			0.35	----	----	4.29	0.40	0.40	1.8

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
43-1	0.04	0.35	0.35	4.29	0.40	0.9	12.10

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 43-2

S-GRAPH PARAMETERS

Area = 0.01 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.30	18.0	0.039

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.30 mi Av.Slope= 60.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.15 mi

Lag = 10.18 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	1.3	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AL	100.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
Weight.Av	100.0 %			0.35	----	----	4.25	0.42	0.42	2.5

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
43-2	0.01	0.35	0.35	4.25	0.42	1.3	10.18

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 43-3

S-GRAPH PARAMETERS

Area = 0.05 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.24	18.0	0.028

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.24 mi Av.Slope= 75.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.12 mi

Lag = 8.23 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.9	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AL	75.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
CV	25.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
Weight.Av	100.0 %			0.35	----	----	4.30	0.40	0.40	1.9

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
43-3	0.05	0.35	0.35	4.30	0.40	0.9	8.23

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 43-4

S-GRAPH PARAMETERS

Area = 0.03 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.22	14.0	0.028

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.22 mi Av.Slope= 63.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.11 mi

Lag = 7.95 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.8	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AL	60.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
PRB	40.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.35	----	----	4.28	0.41	0.41	1.5

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
43-4	0.03	0.35	0.35	4.28	0.41	0.8	7.95

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 43-5

S-GRAPH PARAMETERS

Area = 0.02 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.22	12.0	0.030

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.22 mi Av.Slope= 54.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.11 mi

Lag = 8.19 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
PRB	100.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.35	----	----	4.25	0.39	0.39	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
43-5	0.02	0.35	0.35	4.25	0.39	0.0	8.19

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 43-6

S-GRAPH PARAMETERS

Area = 0.02 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.19	12.0	0.024

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.19 mi Av.Slope= 63.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.10 mi

Lag = 7.12 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
PRB	70.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
CV	30.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
Weight.Av	100.0 %			0.35	----	----	4.17	0.38	0.38	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
43-6	0.02	0.35	0.35	4.17	0.38	0.0	7.12

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 43-7

S-GRAPH PARAMETERS

Area = 0.02 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.16	12.0	0.018

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.16 mi Av.Slope= 75.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.08 mi

Lag = 6.05 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
PRB	100.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.35	----	----	4.25	0.39	0.39	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
43-7	0.02	0.35	0.35	4.25	0.39	0.0	6.05

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 43-8

S-GRAPH PARAMETERS

Area = 0.01 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.13	10.0	0.015

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.13 mi Av.Slope= 76.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.07 mi

Lag = 5.14 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
PRB	100.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.35	----	----	4.25	0.39	0.39	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
43-8	0.01	0.35	0.35	4.25	0.39	0.0	5.14

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 43

S-GRAPH PARAMETERS

Area = 0.01 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.17	16.0	0.018

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.17 mi Av.Slope= 94.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.09 mi

Lag = 6.07 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.6	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
PRB	50.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
AL	50.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
Weight.Av	100.0 %			0.35	----	----	4.29	0.41	0.41	1.3

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
43	0.01	0.35	0.35	4.29	0.41	0.6	6.07

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 44

S-GRAPH PARAMETERS

Area = 0.22 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.76	45.0	0.099

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.76 mi Av.Slope= 59.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.46 mi

Lag = 22.17 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
PRB	60.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
CV	40.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
Weight.Av	100.0 %			0.35	----	----	4.14	0.37	0.37	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
44	0.22	0.35	0.35	4.14	0.37	0.0	22.17

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 45-1

S-GRAPH PARAMETERS

Area = 0.08 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.59	50.0	0.064

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.59 mi Av.Slope= 84.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.24 mi

Lag = 14.64 min Lag = 20*Kn*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	Kn	DTHETA condit.
HIL	70 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.21	0.6	27.0	1.18	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AL	50.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
PRB	40.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
TSC	10.0 %	Tremant	Sandy Clay Loam	0.26	0.17	0.00	----	0.14	0.17	0.0
Weight.Av	100.0 %			0.34	----	----	4.19	0.38	0.38	1.3

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
45-1	0.08	0.21	0.34	4.19	0.38	0.6	14.64

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 45

S-GRAPH PARAMETERS

Area = 0.38 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.63	111.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.63 mi Av.Slope= 68.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.82 mi

Lag = 35.97 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	90 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
DRL	10 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.17	0.2	29.0	1.20	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
PRB	30.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
PYD	18.0 %	Pinmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.0
CV	18.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
TSC	17.0 %	Tremant	Sandy Clay Loam	0.26	0.17	0.00	----	0.14	0.17	0.0
AL	17.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
Weight.Av	100.0 %			0.33	----	----	3.94	0.33	0.34	0.4

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
45	0.38	0.17	0.33	3.94	0.34	0.2	35.97

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 46-1

S-GRAPH PARAMETERS

Area = 0.15 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	73.0	0.150

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 61.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.47 mi

Lag = 26.33 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	80 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
DRL	20 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.19	0.6	28.0	1.19	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AL	50.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
CV	25.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
AM	25.0 %	Antho	Sandy Loam	0.34	0.24	0.00	----	0.37	0.37	0.0
Weight.Av	100.0 %			0.35	----	----	4.23	0.39	0.39	1.3

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
46-1	0.15	0.19	0.35	4.23	0.39	0.6	26.33

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 46

S-GRAPH PARAMETERS

Area = 0.85 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
2.36	140.0	0.306

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.36 mi Av.Slope= 59.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 1.06 mi

Lag = 47.00 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
HIL	80 %	Hillslope, Alluvial fan	0.15	50%Rock-	30.0	1.21	0.050	Dry
DRL	20 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.19	0.4	28.0	1.19	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AL	30.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
CV	17.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
Lb	12.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.32	0.0
AM	10.0 %	Antho	Sandy Loam	0.34	0.24	0.00	----	0.37	0.37	0.0
AHC	10.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.0
TB	8.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.43	0.0
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.30	0.0
PYD	3.0 %	Pirmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.0
Va	2.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Cp	2.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.34	----	----	4.25	0.42	0.45	0.8

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
46	0.85	0.19	0.34	4.25	0.45	0.4	47.00

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : WT4

S-GRAPH PARAMETERS

Area = 0.77 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.91	50.0	0.123

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.91 mi Av.Slope= 54.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.46 mi

Lag = 24.06 min Lag = 20*$\overline{Kn}$*1.2*((L*Lca/S^.5)^.38)*60 min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av.Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.050	Dry
Weight.Av	100 %		0.35	0.4	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
CV	44.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.0
AL	29.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.5
PRB	23.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
PeA	1.5 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
AbA	1.5 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Weight.Av	100.0 %			0.35	----	----	4.17	0.38	0.38	0.7

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
WT4	0.77	0.35	0.35	4.17	0.38	0.4	24.06

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 100

S-GRAPH PARAMETERS

Area = 0.26 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.57	22.0	0.092

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.57 mi Av.Slope= 38.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.34 mi

Lag = 46.37 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Va	35.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Mp	29.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Es	16.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mr	8.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
TrA	6.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.17	0.0
TrB	3.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.51	0.0
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Weight.Av	100.0 %			----	----	0.00	4.58	0.22	0.28	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
100	0.26	0.50	0.00	4.58	0.28	0.0	46.37

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 100A

S-GRAPH PARAMETERS

Area = 0.18 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.57	18.0	0.101

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.57 mi Av.Slope= 31.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.23 mi

Lag = 41.30 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Va	35.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Mp	29.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Es	16.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mr	8.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
TrA	6.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.17	0.0
TrB	3.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.51	0.0
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Weight.Av	100.0 %			----	----	0.00	4.58	0.22	0.28	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
100A	0.18	0.50	0.00	4.58	0.28	0.0	41.30

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 101

S-GRAPH PARAMETERS

Area = 0.16 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.74	16.0	0.159

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.74 mi Av.Slope= 21.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.37 mi

Lag = 24.54 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	34.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
TrB	19.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.30	0.0
Mp	16.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.0
RbA	12.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Bs	11.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
TrA	5.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.10	0.0
Mr	3.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.06	0.0
Weight.Av	100.0 %			0.32	----	----	3.61	0.25	0.26	0.0

Land type weighted DTHETA = 0.32

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
101	0.16	0.35	0.32	3.61	0.26	0.0	24.54

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 102A

S-GRAPH PARAMETERS

Area = 0.51 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	20.0	0.224

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 20.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.45 mi

Lag = 42.72 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	70 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
AGR	30 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.40	0.0	41.0	1.34	0.071	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	53.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.07	0.0
TrB	12.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.36	0.0
PeB	6.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.34	0.0
Es	6.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.34	0.0
Mr	5.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.07	0.0
Lb	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.36	0.0
PeA	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.39	0.0
Cb	2.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.51	0.0
Weight.Av	100.0 %			0.29	----	0.00	6.05	0.17	0.21	0.0

Land type weighted DTHETA = 0.20

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
102A	0.51	0.40	0.20	6.05	0.21	0.0	42.72

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 102

S-GRAPH PARAMETERS

Area = 0.1 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.42	9.0	0.091

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.42 mi Av.Slope= 21.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.15 mi

Lag = 33.50 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	53.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
TrB	12.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.51	0.0
PeB	6.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	6.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mr	5.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Lb	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.0
PeA	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Cb	2.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	2.12	0.0
Weight.Av	100.0 %			----	----	0.00	6.05	0.17	0.29	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
102	0.10	0.50	0.00	6.05	0.29	0.0	33.50

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 103

S-GRAPH PARAMETERS

Area = 0.37 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.21	41.0	0.208

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.21 mi Av.Slope= 33.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.61 mi

Lag = 64.84 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	70 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	69.0	1.66	0.099	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Es	24.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.41	0.0
Mo	18.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.10	0.0
Va	14.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
TrA	13.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.15	0.0
AbA	13.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mp	5.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.08	0.0
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
TrB	4.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.45	0.0
Mr	4.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.08	0.0
Weight.Av	100.0 %			0.31	----	0.00	4.33	0.22	0.29	0.0

Land type weighted DTHETA = 0.09

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
103	0.37	0.46	0.09	4.33	0.29	0.0	64.84

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 104

S-GRAPH PARAMETERS

Area = 0.15 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.56	9.0	0.140

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.56 mi Av.Slope= 16.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.28 mi

Lag = 21.01 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	46.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
TrB	26.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.30	0.0
TrA	12.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.10	0.0
Mp	12.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.0
Mr	4.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.06	0.0
Weight.Av	100.0 %			0.31	----	----	4.93	0.20	0.23	0.0

Land type weighted DTHETA = 0.31

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
104	0.15	0.35	0.31	4.93	0.23	0.0	21.01

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 105

S-GRAPH PARAMETERS

Area = 0.21 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.78	24.0	0.141

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.78 mi Av.Slope= 30.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.31 mi

Lag = 21.95 min Lag = 20*$\overline{Kn}$*((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	70.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.0
Mr	15.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.06	0.0
Bt	8.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.50	0.50	0.0
TrA	4.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.10	0.0
GgA	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Weight.Av	100.0 %			0.27	----	----	7.68	0.09	0.10	0.0

Land type weighted DTHETA = 0.27

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
105	0.21	0.35	0.27	7.68	0.10	0.0	21.95

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 106

Area = 0.77 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.27	35.0	0.242

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.27 mi Av.Slope= 27.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.76 mi

Lag = 37.87 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	41.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.0
GgA	25.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
TrB	21.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.30	0.0
Mr	8.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.06	0.0
TrA	5.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.10	0.0
Weight.Av	100.0 %			0.29	----	----	6.63	0.15	0.16	0.0

Land type weighted DTHETA = 0.29

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
106	0.77	0.35	0.29	6.63	0.16	0.0	37.87

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 107

S-GRAPH PARAMETERS

Area = 0.60 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.55	43.0	0.294

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.55 mi Av.Slope= 27.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.62 mi

Lag = 77.33 min Lag = 60*Kn*(((L)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 3.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	75 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	25 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	72.5	1.70	0.103	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	41.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.08	0.0
GgA	37.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.42	0.0
TrB	12.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.46	0.0
PeA	7.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Aa	3.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.49	0.0
Weight.Av	100.0 %			0.31	----	0.00	5.65	0.18	0.29	0.0

Land type weighted DTHETA = 0.08

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
107	0.60	0.46	0.08	5.65	0.29	0.0	77.33

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 108

S-GRAPH PARAMETERS

Area = 0.79 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.85	51.0	0.352

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.85 mi Av.Slope= 27.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.93 mi

Lag = 86.52 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	60 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	40 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.44	0.0	62.0	1.58	0.092	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
TrB	30.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.43	0.0
Mr	26.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.08	0.0
Mp	21.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.08	0.0
AbA	16.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Es	7.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.39	0.0
Weight.Av	100.0 %			0.29	----	0.00	5.53	0.18	0.25	0.0

Land type weighted DTHETA = 0.12

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
108	0.79	0.44	0.12	5.53	0.25	0.0	86.52

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 109

S-GRAPH PARAMETERS

Area = 0.85 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	44.0	0.255

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 31.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 90.28 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Lb	21.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.0
Mr	18.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
AbA	18.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mp	13.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Es	12.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mo	6.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.0
LcA	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AdA	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
BgA	3.0 %	Gilman	Loam	0.33	0.23	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	4.68	0.21	0.32	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
109	0.85	0.50	0.00	4.68	0.32	0.0	90.28

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 110

S-GRAPH PARAMETERS

Area = 0.31 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.09	33.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.09 mi Av.Slope= 30.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.55 mi

Lag = 61.18 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	70 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	69.0	1.66	0.099	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mr	47.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.08	0.
LcA	26.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
Mp	24.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.08	0.
RbA	3.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			0.28	----	0.00	7.29	0.11	0.18	0.

Land type weighted DTHETA = 0.08

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
110	0.31	0.46	0.08	7.29	0.18	0.0	61.18

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 111

S-GRAPH PARAMETERS

Area = 0.50 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.21	23.0	0.278

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.21 mi Av.Slope= 19.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.61 mi

Lag = 51.90 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	70 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
AGR	30 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.40	0.0	41.0	1.34	0.071	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops
Mp	29.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.07	0.
LcA	19.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.34	0.
Mr	14.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.07	0.
GgA	7.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.34	0.
Bs	7.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Ma	5.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Aa	5.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.39	0.
Ve	3.0 %	Vecont	Clay	0.18	0.08	0.00	----	0.04	0.05	0.
Mo	3.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.08	0.
CrB	3.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.40	0.40	0.
TrB	2.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.36	0.
RbA	2.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Lb	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.36	0.
Weight.Av	100.0 %			0.30	----	0.00	5.55	0.18	0.22	0.

Land type weighted DTHETA = 0.21

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
111	0.50	0.40	0.21	5.55	0.22	0.0	51.90

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 112

S-GRAPH PARAMETERS

Area = 0.97 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	37.0	0.278

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 26.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 93.30 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mr	18.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Es	18.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	13.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Aa	12.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Cb	10.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	2.12	0.
Vf	3.0 %	Vecont	Clay	0.18	0.08	0.00	----	0.04	0.08	0.
TrA	3.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.17	0.
PeA	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.65	0.28	0.50	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
112	0.97	0.50	0.00	3.65	0.50	0.0	93.30

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 113A

S-GRAPH PARAMETERS

Area = 0.50 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	29.0	0.220

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 25.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 77.99 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	60.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Mr	15.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Tg	10.0 %	Tremant	Sandy Clay Loam	0.25	0.15	0.00	----	0.07	0.13	0.
GgA	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Aa	3.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
TrA	1.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.17	0.
PeA	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
GxA	1.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	7.93	0.08	0.15	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
113A	0.50	0.50	0.00	7.93	0.15	0.0	77.99

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 113

S-GRAPH PARAMETERS

Area = 0.50 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	34.0	0.203

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 30.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 75.67 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) #

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	50.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Mr	31.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
TrA	17.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.17	0.
RbA	1.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
GgA	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	8.54	0.06	0.11	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
113	0.50	0.50	0.00	8.54	0.11	0.0	75.67

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 114

S-GRAPH PARAMETERS

Area = 0.38 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.08	32.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.08 mi Av.Slope= 29.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.54 mi

Lag = 73.95 min Lag = 20*Kn*((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	CK	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockou crops
Mr	64.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
TrA	18.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.17	0.
Mp	12.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
GgA	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	3.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	8.35	0.07	0.13	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
114	0.38	0.50	0.00	8.35	0.13	0.0	73.95

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 115

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	32.0	0.210

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 28.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 76.55 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	41.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Mr	24.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
GgA	11.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
TrB	10.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.51	0.
Aa	7.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Es	4.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Lb	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Weight.Av	100.0 %			----	----	0.00	7.04	0.13	0.24	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
115	0.49	0.50	0.00	7.04	0.24	0.0	76.55

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 116

A = 1.02 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.63	46.0	0.307

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.63 mi Av.Slope= 28.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.82 mi

Lag = 102.05 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	34.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
GgA	29.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
LcA	15.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	11.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	6.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mr	3.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Ma	2.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	5.44	0.19	0.33	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
116	1.02	0.50	0.00	5.44	0.33	0.0	102.05

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 117A

S-GRAPH PARAMETERS

Area = 0.21 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.80	23.0	0.149

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.80 mi Av.Slope= 28.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.40 mi

Lag = 59.21 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) n

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	39.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
LcA	29.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mr	21.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Es	11.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	6.96	0.13	0.25	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM*

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
117A	0.21	0.50	0.00	6.96	0.25	0.0	59.21

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 117

S-GRAPH PARAMETERS

Area = 0.41 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	40.0	0.268

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 28.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.57 mi

Lag = 59.12 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	60 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	40 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.35	8.0	74.0	1.71	0.084	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops ?
Es	35.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.43	0.
LcA	20.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.43	0.
GgA	15.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.43	0.
Mp	9.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Mr	8.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
RbA	5.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
AbA	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
TrB	3.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.46	0.
Weight.Av	100.0 %			----	0.23	0.00	4.12	0.23	0.37	0.

Land type weighted DTHETA = 0.09

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
117	0.41	0.35	0.09	4.12	0.37	8.0	59.12

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 118

S-GRAPH PARAMETERS

Area = 0.15 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.81	20.0	0.163

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.81 mi Av.Slope= 24.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.41 mi

Lag = 61.52 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	62.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	26.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Es	12.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	5.11	0.20	0.37	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
118	0.15	0.50	0.00	5.11	0.37	0.0	61.52

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 119A

S-GRAPH PARAMETERS

Area = 0.47 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	22.0	0.253

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 19.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 82.20 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	51.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
LcA	18.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mr	17.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
PeB	7.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
PeA	6.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Pa	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	6.91	0.13	0.20	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
119A	0.47	0.50	0.00	6.91	0.20	0.0	82.20

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 119

S-GRAPH PARAMETERS

Area = 0.86 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.23	38.0	0.221

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.23 mi Av.Slope= 30.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.62 mi

Lag = 80.98 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockou crops %
GgA	38.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	27.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Mr	15.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
LcA	11.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bt	4.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.50	0.50	0.
PeA	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Pa	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Bs	1.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	5.56	0.18	0.31	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
119	0.86	0.50	0.00	5.56	0.31	0.0	80.98

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 120

S-GRAPH PARAMETERS

Area = 0.54 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.33	41.0	0.240

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.33 mi Av.Slope= 30.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.67 mi

Lag = 85.98 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mr	69.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
LcA	14.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeB	5.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mp	5.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Aa	4.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
GxA	3.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	7.23	0.11	0.19	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
120	0.54	0.50	0.00	7.23	0.19	0.0	85.98

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 121A

S-GRAPH PARAMETERS

Area = 0.5 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	30.0	0.216

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 26.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 63.93 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	70 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	69.0	1.66	0.099	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops
Mr	32.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.08	0.
GgA	26.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
Mp	10.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.08	0.
Cb	10.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.85	0.
LcA	8.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
TD	7.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.99	0.
Vh	3.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.76	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.48	0.
Weight.Av	100.0 %			0.31	----	0.00	4.03	0.35	0.57	0.

Land type weighted DTHETA = 0.09

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
121A	0.50	0.46	0.09	4.03	0.57	0.0	63.93

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 121

S-GRAPH PARAMETERS

Area = 0.5 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	31.0	0.213

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 27.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 63.53 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	70 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	69.0	1.66	0.099	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockou crops
Mr	32.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.08	0.
GgA	26.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
Mp	10.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.08	0.
Cb	10.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.85	0.
LcA	8.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
TD	7.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.99	0.
Vh	3.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.76	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Aa	2.0 %	Aqualt	Loam	0.35	0.25	0.00	----	0.29	0.48	0.
Weight.Av	100.0 %			0.31	----	0.00	4.03	0.35	0.57	0.

Land type weighted DTHETA = 0.09

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
121	0.50	0.46	0.09	4.03	0.57	0.0	63.53

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 122

S-GRAPH PARAMETERS

Area = 0.89 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.41	37.0	0.275

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.41 mi Av.Slope= 26.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 92.67 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) ;

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockou crops ;
Mp	19.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Mr	17.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Mo	15.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Aa	10.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Le	9.0 %	Laveen	Loam	0.34	0.23	0.00	----	0.23	0.43	0.
Tg	7.0 %	Tremant	Sandy Clay Loam	0.25	0.15	0.00	----	0.07	0.13	0.
Es	7.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Vg	4.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	2.02	0.
Ma	4.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Gr	3.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Weight.Av	100.0 %			----	----	0.00	5.83	0.17	0.32	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
122	0.89	0.50	0.00	5.83	0.32	0.0	92.67

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 123

S-GRAPH PARAMETERS

Area = 0.44 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	34.0	0.203

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 30.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.50 mi

Lag = 72.70 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockou crops
GgA	43.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mr	22.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Mp	22.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Es	8.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Mo	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Weight.Av	100.0 %			----	----	0.00	6.21	0.16	0.30	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
123	0.44	0.50	0.00	6.21	0.30	0.0	72.70

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 124

S-GRAPH PARAMETERS

Area = 0.57 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	41.0	0.264

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 28.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.78 mi

Lag = 94.87 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	53.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mr	24.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Mp	23.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Weight.Av	100.0 %			----	----	0.00	6.41	0.16	0.29	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
124	0.57	0.50	0.00	6.41	0.29	0.0	94.87

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 125

S-GRAPH PARAMETERS

Area = 1.00 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.41	34.0	0.287

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.41 mi Av.Slope= 24.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 39.24 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockou crops
GgA	64.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0
Mp	13.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.
LcA	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Es	9.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.28	0
Te	3.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.10	0.
Mr	2.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.06	0.
Weight.Av	100.0 %			0.33	----	----	4.58	0.22	0.24	0.

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
125	1.00	0.35	0.33	4.58	0.24	0.0	39.24

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 126

S-GRAPH PARAMETERS

Area = 0.95 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.41	38.0	0.272

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.41 mi Av.Slope= 27.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 92.20 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockou crops
LcA	56.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	16.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
GgA	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mr	7.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Es	6.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Aa	4.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
AbA	2.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	4.79	0.21	0.39	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
126	0.95	0.50	0.00	4.79	0.39	0.0	92.20

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 127

S-GRAPH PARAMETERS

Area = 0.22 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.80	23.0	0.149

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.80 mi Av.Slope= 28.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.40 mi

Lag = 14.80 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit
RES	100 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.12	20.0	50.0	1.45	0.030	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockou crops
Mr	56.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.07	0
Mp	20.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.07	0
AbA	14.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0
Tu	3.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.35	0
Aa	3.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.42	0
Le	2.0 %	Laveen	Loam	0.34	0.23	0.00	----	0.23	0.33	0
LcA	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.36	0
Weight.Av	100.0 %			----	0.18	----	7.17	0.12	0.15	0

Land type weighted DTHETA = 0.18

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
127	0.22	0.12	0.18	7.17	0.15	20.0	14.80

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 128

S-GRAPH PARAMETERS

Area = 0.41 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.96	39.0	0.151

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.96 mi Av.Slope= 40.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.48 mi

Lag = 63.68 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockou crops
GgA	51.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0
Es	41.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0
Aa	5.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0
Te	3.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.17	0
Weight.Av	100.0 %			----	----	0.00	3.59	0.25	0.47	0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
128	0.41	0.50	0.00	3.59	0.47	0.0	63.68

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 129

S-GRAPH PARAMETERS

Area = 0.43 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.92	44.0	0.133

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.92 mi Av.Slope= 47.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.46 mi

Lag = 50.81 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60)

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	80 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	20 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.42	4.0	82.0	1.80	0.102	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Ae	43.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
Aa	15.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.52	0.0
AbA	14.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.45	0.0
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Bt	4.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.50	0.50	0.0
Vh	3.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.91	0.0
Es	3.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.45	0.0
Weight.Av	100.0 %			----	0.25	0.00	4.24	0.39	0.48	0.0

Land type weighted DTHETA = 0.05

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
129	0.43	0.42	0.05	4.24	0.48	4.0	50.81

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 130

S-GRAPH PARAMETERS

Area = 1.00 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	43.0	0.258

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 30.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 90.67 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	24.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Mr	22.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
AbA	16.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	15.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	7.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
LcA	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Ae	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	5.01	0.20	0.28	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
130	1.00	0.50	0.00	5.01	0.28	0.0	90.67

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 131A

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	34.0	0.203

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 30.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 75.67 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	29.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
GgA	29.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	18.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
LcA	12.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Gt	4.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.0
PeA	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Mr	3.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	5.47	0.19	0.34	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCURP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
131A	0.49	0.50	0.00	5.47	0.34	0.0	75.67

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 131

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	35.0	0.200

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 31.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 75.26 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	29.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
GgA	29.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	18.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
LcA	12.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Gt	4.0 %	Glendar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.0
PeA	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Mr	3.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	5.47	0.19	0.34	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
131	0.49	0.50	0.00	5.47	0.34	0.0	75.26

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 132

S-GRAPH PARAMETERS

Area = 0.41 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.08	37.0	0.185

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.08 mi Av.Slope= 34.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.54 mi

Lag = 71.94 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	47.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	39.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Vg	8.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	2.02	0.0
Ge	6.0 %	Gilman	Loam	0.35	0.25	0.00	-----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	4.15	0.37	0.57	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
132	0.41	0.50	0.00	4.15	0.57	0.0	71.94

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 133

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	34.0	0.203

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 30.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 75.67 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	79.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	15.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Aa	6.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	3.62	0.27	0.46	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
133	0.49	0.50	0.00	3.62	0.46	0.0	75.67

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 134

S-GRAPH PARAMETERS

Area = 0.50 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	34.0	0.203

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 30.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 75.67 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	71.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	20.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Aa	5.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Ge	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	3.67	0.28	0.46	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
134	0.50	0.50	0.00	3.67	0.46	0.0	75.67

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 135

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path' inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	32.0	0.227

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 27.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 80.44 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	66.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	17.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mp	6.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Aa	6.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Es	5.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	3.58	0.26	0.44	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
135	0.49	0.50	0.00	3.58	0.44	0.0	80.44

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 136

S-GRAPH PARAMETERS

Area = 0.46 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	32.0	0.218

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 27.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.52 mi

Lag = 75.41 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	54.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Aa	11.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Es	10.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mp	9.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Te	6.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.17	0.0
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
RbA	4.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Weight.Av	100.0 %			----	----	0.00	3.67	0.24	0.42	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
136	0.46	0.50	0.00	3.67	0.42	0.0	75.41

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 137

S-GRAPH PARAMETERS

Area = 0.54 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.48	40.0	0.285

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.48 mi Av.Slope= 27.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.81 mi

Lag = 99.14 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Es	32.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mp	25.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
GgA	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
RbA	10.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
LcA	8.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Aa	4.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Mr	3.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	4.62	0.21	0.36	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
137	0.54	0.50	0.00	4.62	0.36	0.0	99.14

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 138

Area = 1.00 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	36.0	0.282

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 25.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 93.78 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	29.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	27.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mp	21.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
LcA	10.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mr	4.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Tw	2.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.0
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	4.81	0.21	0.38	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
138	1.00	0.50	0.00	4.81	0.38	0.0	93.78

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 139

S-GRAPH PARAMETERS

Area = 0.47 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	17.0	0.243

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 17.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.50 mi

Lag = 77.51 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mr	28.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Tu	19.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.0
Aa	16.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
GgA	14.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
TfA	10.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.07	0.13	0.0
Ma	5.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Mp	3.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Gr	2.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.0
LcA	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	1.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
An	1.0 %	Avonda	Clay Loam	0.27	0.17	0.00	----	0.07	0.13	0.0
Weight.Av	100.0 %			----	----	0.00	5.73	0.18	0.32	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
139	0.47	0.50	0.00	5.73	0.32	0.0	77.51

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 140

S-GRAPH PARAMETERS

Area = 0.18 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.61	11.0	0.144

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.61 mi Av.Slope= 18.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.24 mi

Lag = 48.36 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mr	42.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
RbA	26.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
LcA	14.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mp	8.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
TrB	4.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.51	0.0
GxA	4.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
TfA	2.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.07	0.13	0.0
Weight.Av	100.0 %			----	----	0.00	5.47	0.19	0.25	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
140	0.18	0.50	0.00	5.47	0.25	0.0	48.36

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 141A

S-GRAPH PARAMETERS

Area = 0.15 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.58	17.0	0.107

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.58 mi Av.Slope= 29.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.26 mi

Lag = 18.49 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
PeA	21.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Vh	18.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.18	0.0
Ae	17.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
RbA	13.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Bs	10.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
GgA	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
AbA	8.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mo	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.0
Weight.Av	100.0 %			0.35	----	----	4.08	0.49	0.52	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
141A	0.15	0.35	0.35	4.08	0.52	0.0	18.49

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 141

S-GRAPH PARAMETERS

Area = 0.47 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	26.0	0.205

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 25.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.52 mi

Lag = 30.64 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AKB	31.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
AdB	18.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.0
Vr	12.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.12	1.24	0.0
Ae	12.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
Bs	8.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Aa	7.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.32	0.0
Vh	5.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.18	0.0
Ma	5.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Weight.Av	100.0 %			0.34	----	----	4.07	0.50	0.52	0.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
141	0.47	0.35	0.34	4.07	0.52	0.0	30.64

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 142

S-GRAPH PARAMETERS

Area = 0.51 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	42.0	0.183

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 37.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 72.69 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Ae	25.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
AbA	16.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Bs	12.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Va	11.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Aa	11.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Es	9.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mo	5.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.0
GgA	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AdB	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.0
Vh	3.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.0
Weight.Av	100.0 %			----	----	0.00	4.18	0.38	0.47	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
142	0.51	0.50	0.00	4.18	0.47	0.0	72.69

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 143

S-GRAPH PARAMETERS

Area = 0.50 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.11	39.0	0.187

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.11 mi Av.Slope= 35.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 73.10 min Lag = 20*Kn*((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AbA	51.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	14.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Va	9.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Bs	7.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Weight.Av	100.0 %			----	----	0.00	4.00	0.34	0.41	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
143	0.50	0.50	0.00	4.00	0.41	0.0	73.10

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 144

S-GRAPH PARAMETERS

Area = 0.51 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.11	39.0	0.187

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.11 mi Av.Slope= 35.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 73.10 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	53.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	30.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	12.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Weight.Av	100.0 %			----	----	0.00	3.65	0.28	0.46	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
144	0.51	0.50	0.00	3.65	0.46	0.0	73.10

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 145A

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	29.0	0.220

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 25.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 77.99 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	45.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	32.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Bs	9.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Mp	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Gr	4.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.0
LcA	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Lb	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.0
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	3.78	0.30	0.42	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
145A	0.49	0.50	0.00	3.78	0.42	0.0	77.99

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 145

S-GRAPH PARAMETERS

Area = 0.48 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	34.0	0.203

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 30.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 75.67 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	45.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	32.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Bs	9.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Mp	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Gr	4.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.0
LcA	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Lb	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.0
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	3.78	0.30	0.42	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
145	0.48	0.50	0.00	3.78	0.42	0.0	75.67

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 146

S-GRAPH PARAMETERS

Area = 0.90 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.35	50.0	0.222

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.35 mi Av.Slope= 37.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.68 mi

Lag = 83.98 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	91.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Ge	8.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Mp	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Weight.Av	100.0 %			----	----	0.00	3.51	0.25	0.47	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
146	0.90	0.50	0.00	3.51	0.47	0.0	83.98

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 147

S-GRAPH PARAMETERS

Area = 0.50 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	41.0	0.185

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 36.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 73.03 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	81.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Ge	10.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
AbA	9.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			----	----	0.00	3.59	0.27	0.47	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
147	0.50	0.50	0.00	3.59	0.47	0.0	73.03

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 148

S-GRAPH PARAMETERS

Area = 0.48 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	38.0	0.192

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 33.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 74.09 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	64.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	34.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Ma	2.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Weight.Av	100.0 %			----	----	0.00	3.77	0.30	0.44	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
148	0.48	0.50	0.00	3.77	0.44	0.0	74.09

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 149

S-GRAPH PARAMETERS

Area = 0.48 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	31.0	0.213

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 27.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 77.01 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Ge	42.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
GgA	25.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Ma	19.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Es	8.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Weight.Av	100.0 %			----	----	0.00	3.81	0.31	0.49	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
149	0.48	0.50	0.00	3.81	0.49	0.0	77.01

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 150

S-GRAPH PARAMETERS

Area = 0.23 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.72	18.0	0.144

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.72 mi Av.Slope= 25.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.36 mi

Lag = 56.12 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	51.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Aa	34.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Es	15.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	3.57	0.26	0.50	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
150	0.23	0.50	0.00	3.57	0.50	0.0	56.12

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 151

S-GRAPH PARAMETERS

Area = 0.25 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.72	16.0	0.153

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.72 mi Av.Slope= 22.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.36 mi

Lag = 57.39 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Es	60.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
GgA	27.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Aa	7.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Mp	6.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Weight.Av	100.0 %			----	----	0.00	3.79	0.24	0.46	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
151	0.25	0.50	0.00	3.79	0.46	0.0	57.39

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 152

S-GRAPH PARAMETERS

Area = 0.35 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.90	21.0	0.186

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.90 mi Av.Slope= 23.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.45 mi

Lag = 67.37 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	30.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Es	30.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mr	12.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Ma	11.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Ge	7.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
GgA	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	5.16	0.20	0.31	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
152	0.35	0.50	0.00	5.16	0.31	0.0	67.37

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 153

S-GRAPH PARAMETERS

Area = 0.20 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.06	11.0	0.329

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.06 mi Av.Slope= 10.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.64 mi

Lag = 95.37 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	44.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Gt	17.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.0
Ma	11.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Tw	8.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.0
Bs	8.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Es	6.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
LcA	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	3.58	0.26	0.43	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
153	0.20	0.50	0.00	3.58	0.43	0.0	95.37

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 154

S-GRAPH PARAMETERS

Area = 0.17 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.51	8.0	0.129

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.51 mi Av.Slope= 15.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.26 mi

Lag = 47.18 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	29.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Gt	20.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.0
Ma	18.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Es	9.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
An	8.0 %	Avonda	Clay Loam	0.27	0.17	0.00	----	0.07	0.13	0.0
Bs	7.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
LcA	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Ge	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	3.53	0.26	0.39	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
154	0.17	0.50	0.00	3.53	0.39	0.0	47.18

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 155

S-GRAPH PARAMETERS

Area = 0.26 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.71	16.0	0.150

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.71 mi Av.Slope= 22.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.36 mi

Lag = 56.63 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mr	33.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Es	31.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Tt	25.0 %	Trix	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Ge	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Ma	5.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Weight.Av	100.0 %			----	----	0.00	6.71	0.14	0.25	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
155	0.26	0.50	0.00	6.71	0.25	0.0	56.63

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 156A

S-GRAPH PARAMETERS

Area = 0.31 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.81	13.0	0.202

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.81 mi Av.Slope= 16.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.49 mi

Lag = 17.89 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
RES	100 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.12	20.0	50.0	1.45	0.030	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	30.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.36	0.0
RbA	27.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Vg	13.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.55	0.0
Es	13.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.36	0.0
Ma	7.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
LcA	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.36	0.0
TrB	3.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.39	0.0
GxB	3.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			----	0.25	----	4.28	0.41	0.53	0.0

Land type weighted DTHETA = 0.25

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
156A	0.31	0.12	0.25	4.28	0.53	20.0	17.89

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 156

S-GRAPH PARAMETERS

Area = 0.30 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	13.0	0.277

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 13.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.50 mi

Lag = 57.10 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	60 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	40 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.35	8.0	74.0	1.71	0.084	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Tu	27.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.41	0.0
Aa	26.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.50	0.0
LcA	18.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.43	0.0
Mp	13.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
RbA	9.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Mr	3.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
An	2.0 %	Avonda	Clay Loam	0.27	0.17	0.00	----	0.07	0.12	0.0
TrB	1.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.46	0.0
GxA	1.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			----	0.23	0.00	3.95	0.24	0.38	0.0

Land type weighted DTHETA = 0.09

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
156	0.30	0.35	0.09	3.95	0.38	8.0	57.10

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 157

S-GRAPH PARAMETERS

Area = 0.89 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.27	34.0	0.245

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.27 mi Av.Slope= 26.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.64 mi

Lag = 46.90 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	55 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	55 %		0.28	0.0	49.5	1.04	0.066	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
RbA	19.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
LcA	16.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.26	0.0
Aa	15.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.30	0.0
GgA	8.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.26	0.0
Tw	7.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.25	0.0
Tu	7.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.25	0.0
Es	7.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.26	0.0
Ma	6.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Gt	4.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.15	0.0
Ac	3.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.06	0.0
RaA	2.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
GxA	2.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Weight.Av	100.0 %			----	----	0.00	3.71	0.29	0.30	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
157	0.89	0.28	0.00	3.71	0.30	0.0	46.90

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 158

S-GRAPH PARAMETERS

Area = 0.97 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.40	29.0	0.308

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.40 mi Av.Slope= 20.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.70 mi

Lag = 74.72 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	70 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	30 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.39	6.0	78.0	1.76	0.093	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
LcA	21.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.44	0.0
GgA	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.44	0.0
Ge	14.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.51	0.0
Vg	13.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.88	0.0
Cb	9.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.97	0.0
Ma	7.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Vh	5.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.86	0.0
TD	4.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	2.11	0.0
GxA	4.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
LcB	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.46	0.0
GxB	3.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			----	0.26	0.00	3.97	0.54	0.91	0.0

Land type weighted DTHETA = 0.08

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
158	0.97	0.39	0.08	3.97	0.91	6.0	74.72

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # 158A

A = 0.38 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.33	28.0	0.290

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.33 mi Av.Slope= 21.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.53 mi

Lag = 84.92 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Vg	61.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	2.02	0.
Vh	21.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.
TD	9.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	2.27	0.
Br	7.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
Ma	1.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
GgA	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	2.81	1.03	1.90	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
158A	0.38	0.50	0.00	2.81	1.90	0.0	84.92

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # 158B

[illegible] = 0.67 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
2.04	60.0	0.376

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.04 mi Av.Slope= 29.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.82 mi

Lag = 68.95 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	50 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	50 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.31	10.0	70.0	1.67	0.075	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	19.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.08	0.
TrB	18.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.45	0.
GgA	16.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.42	0.
Mr	14.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.08	0.
Es	10.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.42	0.
RbA	7.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Vh	6.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.77	0.
Ma	6.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
LcA	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.42	0.
TfA	1.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.07	0.12	0.
Te	1.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.15	0.
Weight.Av	100.0 %			----	0.21	0.00	3.50	0.25	0.39	0.

Land type weighted DTHETA = 0.11

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
158B	0.67	0.31	0.11	3.50	0.39	10.0	68.95

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # 158C

= 0.09 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.59	18.0	0.107

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.59 mi Av.Slope= 30.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.29 mi

Lag = 42.96 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	90 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
COM	10 %	Commercial	0.06	90.0	10.0	1.00	0.03	Dry
Weight.Av	100 %		0.46	9.0	82.0	1.80	0.111	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	50.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Mr	18.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
LcA	17.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.45	0.
Es	15.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.45	0.
Weight.Av	100.0 %			0.29	----	0.00	7.25	0.11	0.21	0.

Land type weighted DTHETA = 0.03

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
158C	0.09	0.46	0.03	7.25	0.21	9.0	42.96

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # 158D

= 0.37 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	33.0	0.182

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 32.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.52 mi

Lag = 22.26 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	60 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
DRL	40 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.21	12.0	38.0	1.31	0.038	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
TrB	38.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.35	0.
Th	21.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.08	0.11	0.
Vf	19.0 %	Vecont	Clay	0.18	0.08	0.00	----	0.04	0.05	0.
Vg	6.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.41	0.
TD	6.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.58	0.
GgA	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.33	0.
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.07	0.
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.38	0.
Cb	1.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.47	0.
Weight.Av	100.0 %			0.28	0.19	----	3.73	0.29	0.39	0.

Land type weighted DTHETA = 0.23

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
158D	0.37	0.21	0.23	3.73	0.39	12.0	22.26

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # 158E

● = 0.45 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	36.0	0.174

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 35.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.46 mi

Lag = 18.82 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	80 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
DRL	20 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.17	16.0	44.0	1.38	0.034	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ma	18.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
TrB	17.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.37	0.
LcA	16.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.35	0.
Mr	15.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.07	0.
TD	9.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.66	0.
Te	8.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.12	0.
TfB	4.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.12	0.
Mp	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.07	0.
Vf	2.0 %	Vecont	Clay	0.18	0.08	0.00	----	0.04	0.06	0.
Te	2.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.12	0.
GxB	2.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Es	2.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.35	0.
Th	1.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.08	0.11	0.
Weight.Av	100.0 %			0.31	0.21	----	3.78	0.30	0.39	0.

Land type weighted DTHETA = 0.23

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
158E	0.45	0.17	0.23	3.78	0.39	16.0	18.82

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 159

S-GRAPH PARAMETERS

Area = 0.58 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	63.0	0.174

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 50.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.56 mi

Lag = 29.68 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AKB	27.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
Vr	22.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.12	1.24	0.0
Va	14.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Vh	10.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.18	0.0
Ma	6.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Ge	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.32	0.0
AdB	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.0
GgA	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Vg	2.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.19	0.0
Es	1.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
AbA	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.34	----	----	3.81	0.60	0.65	0.0

Land type weighted DTHETA = 0.34

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
159	0.58	0.35	0.34	3.81	0.65	0.0	29.68

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 160

S-GRAPH PARAMETERS

Area = 0.39 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	58.0	0.168

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 49.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.71 mi

Lag = 32.08 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AKB	76.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
Ge	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.32	0.0
AdB	9.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.0
Ma	6.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Weight.Av	100.0 %			0.33	----	----	3.98	0.34	0.34	0.0

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
160	0.39	0.35	0.33	3.98	0.34	0.0	32.08

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 161

S-GRAPH PARAMETERS

Area = 0.50 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.11	38.0	0.190

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.11 mi Av.Slope= 34.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 69.17 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	90 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	10 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.49	0.0	83.0	1.81	0.113	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	37.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.45	0.0
Vh	15.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.92	0.0
AbA	15.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Ma	9.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Vr	7.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.12	2.03	0.0
Ge	7.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.53	0.0
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Va	3.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
AKB	1.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
Weight.Av	100.0 %			0.35	----	0.00	4.09	0.49	0.77	0.0

Land type weighted DTHETA = 0.03

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
161	0.50	0.49	0.03	4.09	0.77	0.0	69.17

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 162

= 0.25 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.61	22.0	0.102

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.61 mi Av.Slope= 36.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 30.0 % of (L)= 0.18 mi

Lag = 38.01 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	45.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	29.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Vh	9.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.
AbA	7.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Mo	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Va	1.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Weight.Av	100.0 %			----	----	0.00	3.96	0.34	0.59	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
162	0.25	0.50	0.00	3.96	0.59	0.0	38.01

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 163

S-GRAPH PARAMETERS

Area = 0.75 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	36.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 32.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.45 mi

Lag = 68.77 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	30.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	16.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	15.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Aa	12.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Bs	11.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Mp	10.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Va	4.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Ma	2.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Weight.Av	100.0 %			----	----	0.00	3.70	0.29	0.42	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
163	0.75	0.50	0.00	3.70	0.42	0.0	68.77

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 164A

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	37.0	0.195

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 33.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 74.46 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	40.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
LcA	30.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
GgA	16.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	9.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Es	5.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	5.59	0.18	0.31	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
164A	0.49	0.50	0.00	5.59	0.31	0.0	74.46

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 164

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	35.0	0.200

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 31.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 75.26 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	40.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
LcA	30.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
GgA	16.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	9.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Es	5.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	5.59	0.18	0.31	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
164	0.49	0.50	0.00	5.59	0.31	0.0	75.26

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 165

S-GRAPH PARAMETERS

Area = 0.90 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.40	52.0	0.230

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.40 mi Av.Slope= 37.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.70 mi

Lag = 86.28 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	58.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	24.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mp	10.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
AbA	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Weight.Av	100.0 %			----	----	0.00	3.72	0.24	0.43	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
165	0.90	0.50	0.00	3.72	0.43	0.0	86.28

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 166

S-GRAPH PARAMETERS

Area = 0.98 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.41	31.0	0.301

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.41 mi Av.Slope= 22.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 95.84 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	61.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	20.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	17.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Ma	2.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Weight.Av	100.0 %			----	----	0.00	3.64	0.28	0.46	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
166	0.98	0.50	0.00	3.64	0.46	0.0	95.84

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 167

S-GRAPH PARAMETERS

Area = 0.97 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.41	31.0	0.301

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.41 mi Av.Slope= 22.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 95.84 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	54.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	30.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Ma	5.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
AbA	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mp	3.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	3.56	0.26	0.46	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
167	0.97	0.50	0.00	3.56	0.46	0.0	95.84

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 168

S-GRAPH PARAMETERS

Area = 0.51 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	25.0	0.237

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 22.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 80.22 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Es	28.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
LcA	23.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mp	22.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
AbA	11.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Aa	8.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Ma	6.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	4.01	0.23	0.38	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
168	0.51	0.50	0.00	4.01	0.38	0.0	80.22

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 169

S-GRAPH PARAMETERS

Area = 0.51 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	24.0	0.242

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 21.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 80.85 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mr	41.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
GgA	18.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Gt	10.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.0
Es	8.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
LcA	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Tt	6.0 %	Trix	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Ma	6.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
AbA	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			----	----	0.00	6.30	0.16	0.27	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
169	0.51	0.50	0.00	6.30	0.27	0.0	80.85

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 170

S-GRAPH PARAMETERS

Area = 0.29 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.89	14.0	0.224

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.89 mi Av.Slope= 15.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.31 mi

Lag = 51.08 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	75 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	25 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.41	5.0	80.0	1.78	0.098	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mr	69.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Le	9.0 %	Laveen	Loam	0.34	0.23	0.00	----	0.23	0.41	0.0
LcA	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.45	0.0
Es	6.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.45	0.0
Tu	4.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.43	0.0
Gr	3.0 %	Glembar	Silty Loam	0.39	0.25	0.00	----	0.15	0.27	0.0
Weight.Av	100.0 %			----	0.18	0.00	7.38	0.11	0.19	0.0

Land type weighted DTHETA = 0.04

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
170	0.29	0.41	0.04	7.38	0.19	5.0	51.08

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 171

S-GRAPH PARAMETERS

Area = 0.70 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.62	25.0	0.412

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.62 mi Av.Slope= 15.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.57 mi

Lag = 99.48 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
LcA	27.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
RbA	19.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Mr	17.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Mp	15.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Gr	8.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.0
Es	8.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
PsA	6.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	4.97	0.20	0.32	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
171	0.70	0.50	0.00	4.97	0.32	0.0	99.48

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 172

S-GRAPH PARAMETERS

Area = 0.12 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.56	12.0	0.121

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.56 mi Av.Slope= 21.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.25 mi

Lag = 45.87 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
LcA	29.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
RbA	20.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Ma	17.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
PsA	13.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Bs	10.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
GxB	8.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mp	3.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Weight.Av	100.0 %			----	----	0.00	3.91	0.33	0.42	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
172	0.12	0.50	0.00	3.91	0.42	0.0	45.87

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 173A

S-GRAPH PARAMETERS

Area = 0.20 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.80	22.0	0.153

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.80 mi Av.Slope= 27.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.32 mi

Lag = 54.85 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	47.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
GgA	33.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Br	10.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.0
RbA	6.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Bt	4.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.50	0.50	0.0
Weight.Av	100.0 %			----	----	0.00	5.03	0.20	0.30	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
173A	0.20	0.50	0.00	5.03	0.30	0.0	54.85

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 173B

S-GRAPH PARAMETERS

Area = 0.20 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.89	16.0	0.210

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.89 mi Av.Slope= 18.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.45 mi

Lag = 57.91 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	70 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	30.0	1.89	0.12	Satur.
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	69.0	1.66	0.099	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Vg	32.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.77	0.0
Aa	23.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.48	0.0
Cb	22.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.85	0.0
TD	14.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.99	0.0
Ma	5.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Br	4.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.0
Weight.Av	100.0 %			0.35	----	0.00	3.20	0.86	1.40	0.0

Land type weighted DTHETA = 0.11

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
173B	0.20	0.46	0.11	3.20	1.40	0.0	57.91

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 173

S-GRAPH PARAMETERS

Area = 0.31 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	23.0	0.218

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 22.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.41 mi

Lag = 69.15 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Aa	50.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Br	12.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.0
Vh	10.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.0
GgA	7.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Ma	6.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Ge	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
RpE	2.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GxB	2.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Cb	2.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	2.12	0.0
Mp	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
LcA	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Bt	1.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.50	0.50	0.0
Bs	1.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Weight.Av	100.0 %			----	----	0.00	4.25	0.42	0.69	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
173	0.31	0.50	0.00	4.25	0.69	0.0	69.15

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 174

S-GRAPH PARAMETERS

Area = 0.45 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	62.0	0.163

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 52.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 30.0 % of (L)= 0.35 mi

Lag = 24.34 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AKB	63.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
GgB	18.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.26	0.29	0.0
AbA	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Ma	4.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
GgA	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
AbB	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.33	----	----	3.90	0.33	0.33	0.0

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
174	0.45	0.35	0.33	3.90	0.33	0.0	24.34

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 175A

S-GRAPH PARAMETERS

Area = 0.47 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.48	74.0	0.209

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.48 mi Av.Slope= 50.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.89 mi

Lag = 37.99 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AKB	62.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
Vr	35.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.12	1.24	0.0
Ae	2.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
AbA	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.33	----	----	3.80	0.61	0.65	0.0

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
175A	0.47	0.35	0.33	3.80	0.65	0.0	37.99

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 175

S-GRAPH PARAMETERS

Area = 0.28 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	55.0	0.173

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 46.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 30.0 % of (L)= 0.35 mi

Lag = 24.90 min Lag = 20*Km*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Km	DTHETA condit.
DRL	100 %	Desert range,flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AKB	61.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
GgB	19.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.26	0.29	0.0
AbA	8.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Lb	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.0
GgA	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Weight.Av	100.0 %			0.33	----	----	3.87	0.32	0.33	0.0

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
175	0.28	0.35	0.33	3.87	0.33	0.0	24.90

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 176

S-GRAPH PARAMETERS

Area = 0.67 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.33	51.0	0.215

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.33 mi Av.Slope= 38.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.67 mi

Lag = 34.37 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbB	26.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
AKB	21.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.
AbA	20.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
PeA	9.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
GgA	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Va	5.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
TfA	3.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.07	0.08	0.
GgB	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.26	0.29	0.
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Lb	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
Weight.Av	100.0 %			0.34	----	----	4.03	0.35	0.35	0.

Land type weighted DTHETA = 0.34

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
176	0.67	0.35	0.34	4.03	0.35	0.0	34.37

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 176A

S-GRAPH PARAMETERS

Area = 0.62 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.45	60.0	0.225

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.45 mi Av.Slope= 41.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.73 mi

Lag = 86.82 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AbA	62.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	23.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Bs	9.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Aa	4.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Va	2.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Weight.Av	100.0 %			----	----	0.00	4.09	0.36	0.42	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
176A	0.62	0.50	0.00	4.09	0.42	0.0	86.82

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 177A

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	35.0	0.200

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 31.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 75.26 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AbA	34.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	30.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Bs	10.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
LcA	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Va	6.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Ma	6.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Ae	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
Es	2.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	3.99	0.34	0.43	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
177A	0.49	0.50	0.00	3.99	0.43	0.0	75.26

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 177

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	37.0	0.195

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 33.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 74.46 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weighted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AbA	34.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	30.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Bs	10.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
LcA	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Va	6.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Ma	6.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Ae	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
Es	2.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	3.99	0.34	0.43	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
177	0.49	0.50	0.00	3.99	0.43	0.0	74.46

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 178

S-GRAPH PARAMETERS

Area = 0.44 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.09	32.0	0.201

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.09 mi Av.Slope= 29.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.55 mi

Lag = 74.60 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	39.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	29.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	26.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Weight.Av	100.0 %			----	----	0.00	3.75	0.30	0.45	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MOUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
178	0.44	0.50	0.00	3.75	0.45	0.0	74.60

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 179

S-GRAPH PARAMETERS

Area = 0.46 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	31.0	0.213

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 27.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 77.01 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	38.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Es	27.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
GgA	24.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
LcA	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mr	3.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	6.02	0.17	0.32	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
179	0.46	0.50	0.00	6.02	0.32	0.0	77.01

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 180

S-GRAPH PARAMETERS

Area = 0.99 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	33.0	0.295

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 23.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 95.35 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	31.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	27.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mp	24.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
LcA	12.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.33	0.0
Mr	2.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.0
Weight.Av	100.0 %			----	----	0.00	4.94	0.20	0.37	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
180	0.99	0.50	0.00	4.94	0.37	0.0	95.35

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 181A

S-GRAPH PARAMETERS

Area = 0.39 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	26.0	0.251

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 22.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.53 mi

Lag = 80.39 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	33.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
LcA	19.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	18.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Es	13.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Va	10.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Ma	1.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Weight.Av	100.0 %			----	----	0.00	3.77	0.30	0.45	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
181A	0.39	0.50	0.00	3.77	0.45	0.0	80.39

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 181

S-GRAPH PARAMETERS

Area = 0.37 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	28.0	0.224

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 25.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 30.0 % of (L)= 0.34 mi

Lag = 64.66 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	63.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Ma	15.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
AbA	8.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Bs	7.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Aa	3.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Va	2.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Es	2.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	3.78	0.30	0.45	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
181	0.37	0.50	0.00	3.78	0.45	0.0	64.66

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 182

S-GRAPH PARAMETERS

Area = 0.24 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.66	14.0	0.143

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.66 mi Av.Slope= 21.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.33 mi

Lag = 54.19 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Ge	44.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Va	33.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
AbA	18.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mp	5.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Weight.Av	100.0 %			----	----	0.00	3.89	0.32	0.44	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
182	0.24	0.50	0.00	3.89	0.44	0.0	54.19

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 183

S-GRAPH PARAMETERS

Area = 0.21 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.43	16.0	0.070

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.43 mi Av.Slope= 37.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.22 mi

Lag = 35.17 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AbA	57.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	20.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	15.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Va	8.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Weight.Av	100.0 %			----	----	0.00	3.98	0.34	0.42	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
183	0.21	0.50	0.00	3.98	0.42	0.0	35.17

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 184

S-GRAPH PARAMETERS

Area = 0.79 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.14	21.0	0.266

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.14 mi Av.Slope= 18.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.51 mi

Lag = 81.02 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Mp	20.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
GgA	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Va	15.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
AbA	15.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Es	13.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Lb	8.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.0
LcA	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Gt	3.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.0
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Ge	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Ao	1.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.0
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.36	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
184	0.79	0.50	0.00	3.50	0.36	0.0	81.02

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 185

S-GRAPH PARAMETERS

Area = 0.69 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.11	24.0	0.239

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.11 mi Av.Slope= 21.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.50 mi

Lag = 77.02 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
LcA	39.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	21.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Tu	10.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.0
Mp	9.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Gt	8.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.0
GgA	7.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	6.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			----	----	0.00	4.10	0.23	0.42	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
185	0.69	0.50	0.00	4.10	0.42	0.0	77.02

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 186

S-GRAPH PARAMETERS

Area = 0.33 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.11	18.0	0.275

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.11 mi Av.Slope= 16.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.67 mi

Lag = 90.74 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weighted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
LcA	95.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
RbA	3.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Tu	2.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.0
Weight.Av	100.0 %			----	----	0.00	3.52	0.25	0.47	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
186	0.33	0.50	0.00	3.52	0.47	0.0	90.74

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 187

S-GRAPH PARAMETERS

Area = 0.35 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.11	16.0	0.292

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.11 mi Av.Slope= 14.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 71.43 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	70 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	69.0	1.66	0.099	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
LcA	27.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.41	0.0
RpE	21.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
RbA	19.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
AbA	18.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Bt	7.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.50	0.50	0.0
GxA	5.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mp	3.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.08	0.0
Weight.Av	100.0 %			0.35	----	0.00	4.02	0.35	0.39	0.0

Land type weighted DTHETA = 0.10

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
187	0.35	0.46	0.10	4.02	0.39	0.0	71.43

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 188

S-GRAPH PARAMETERS

Area = 0.19 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.86	41.0	0.125

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.86 mi Av.Slope= 47.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.34 mi

Lag = 21.75 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AKB	72.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
Vr	20.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.12	1.24	0.0
GgA	8.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Weight.Av	100.0 %			0.33	----	----	4.11	0.48	0.51	0.0

Land type weighted DTHETA = 0.33

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
188	0.19	0.35	0.33	4.11	0.51	0.0	21.75

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 189

S-GRAPH PARAMETERS

Area = 0.51 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	35.0	0.217

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 29.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 32.95 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	41.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Ae	22.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
AKB	16.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.0
Ge	10.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.32	0.0
Vr	8.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.12	1.24	0.0
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Lb	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.0
Weight.Av	100.0 %			0.35	----	----	4.17	0.38	0.40	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
189	0.51	0.35	0.35	4.17	0.40	0.0	32.95

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 190

S-GRAPH PARAMETERS

Area = 0.86 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	44.0	0.193

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 37.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.41 mi

Lag = 66.12 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Ma	38.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Ae	23.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.0
AbA	14.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Lb	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.0
LcA	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
GgA	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	4.18	0.38	0.42	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
190	0.86	0.50	0.00	4.18	0.42	0.0	66.12

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 191

S-GRAPH PARAMETERS

Area = 0.99 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	55.0	0.228

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 38.7 ft/mi Av.slope =(SUM(Li)/I)^2

Loa = 50.0 % of (L)= 0.71 mi

Lag = 86.53 min Lag = 20*Kn*(((1.2)*(L*Loa/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
LcA	44.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
SgA	19.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	15.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mp	10.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Ma	5.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
PeA	4.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Va	3.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Weight.Av	100.0 %			----	----	0.00	3.59	0.27	0.41	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
191	0.99	0.50	0.00	3.59	0.41	0.0	86.53

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 192A

S-GRAPH PARAMETERS

Area = 0.5 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	35.0	0.200

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 31.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 75.26 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AbA	56.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Bs	16.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Ma	11.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
LcA	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Va	2.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Es	2.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	4.18	0.38	0.41	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MODHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
192A	0.50	0.50	0.00	4.18	0.41	0.0	75.26

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 192

S-GRAPH PARAMETERS

Area = 0.5 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	44.0	0.179

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 39.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 72.05 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
AbA	56.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Bs	16.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Ma	11.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
LcA	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Va	2.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.0
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Es	2.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	4.18	0.38	0.41	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
192	0.50	0.50	0.00	4.18	0.41	0.0	72.05

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 193

S-GRAPH PARAMETERS

Area = 0.91 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.36	45.0	0.236

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.36 mi Av.Slope= 33.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.68 mi

Lag = 86.28 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	67.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	14.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Ma	10.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.0
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.0
Ge	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.0
Weight.Av	100.0 %			----	----	0.00	3.76	0.30	0.46	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
193	0.91	0.50	0.00	3.76	0.46	0.0	86.28

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 194

S-GRAPH PARAMETERS

Area = 0.99 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	29.0	0.314

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 20.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 97.72 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	64.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	25.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
LcA	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mp	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Weight.Av	100.0 %			----	----	0.00	3.75	0.24	0.46	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
194	0.99	0.50	0.00	3.75	0.46	0.0	97.72

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 195

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.41	22.0	0.357

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.41 mi Av.Slope= 15.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 102.29 min Lag = 20*KK*((L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	70.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Es	14.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	10.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mp	6.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Weight.Av	100.0 %			----	----	0.00	3.51	0.25	0.44	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
195	0.49	0.50	0.00	3.51	0.44	0.0	102.29

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 196

S-GRAPH PARAMETERS

Area = 0.47 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	25.0	0.237

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 22.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 74.21 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	90 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.46	2.0	86.0	1.85	0.111	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	46.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.46	0.0
AbA	28.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Ge	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.54	0.0
Es	13.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.46	0.0
Weight.Av	100.0 %			----	0.25	0.00	3.74	0.29	0.45	0.0

Land type weighted DTHETA = 0.03

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
196	0.47	0.46	0.03	3.74	0.45	2.0	74.21

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 197

S-GRAPH PARAMETERS

Area = 1.00 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.48	25.0	0.360

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.48 mi Av.Slope= 16.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.74 mi

Lag = 104.54 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Es	29.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
GgA	28.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	27.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Mp	11.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
Tu	5.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.0
Weight.Av	100.0 %			----	----	0.00	3.58	0.27	0.41	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
197	1.00	0.50	0.00	3.58	0.41	0.0	104.54

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 198

S-GRAPH PARAMETERS

Area = 0.91 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.26	13.0	0.392

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.26 mi Av.Slope= 10.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.63 mi

Lag = 101.59 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
LcA	24.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Gr	24.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.0
Ta	9.0 %	Toltec	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
La	9.0 %	La Palma	Silty Loam	0.39	0.25	0.00	----	0.16	0.30	0.0
Mp	7.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.0
PvB	6.0 %	Pinal	Loam	0.36	0.25	0.00	----	0.23	0.43	0.0
Es	5.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Ld	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.49	0.0
GgA	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Ch	3.0 %	Casa Grande	Loam	0.35	0.25	0.00	----	0.24	0.45	0.0
Tu	2.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.0
Weight.Av	100.0 %			----	----	0.00	4.97	0.20	0.38	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
198	0.91	0.50	0.00	4.97	0.38	0.0	101.59

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 199

S-GRAPH PARAMETERS

Area = 0.11 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.81	10.0	0.231

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.81 mi Av.Slope= 12.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.49 mi

Lag = 75.21 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
LcA	60.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
RbA	25.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
Tu	9.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.0
Ta	6.0 %	Toltec	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Weight.Av	100.0 %			----	----	0.00	3.67	0.28	0.45	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
199	0.11	0.50	0.00	3.67	0.45	0.0	75.21

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 200

S-GRAPH PARAMETERS

Area = 0.29 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.11	37.0	0.192

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.11 mi Av.Slope= 33.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 52.30 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	50 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	30.0	1.89	0.12	Satur.
DRL	50 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.43	0.0	55.0	1.50	0.085	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Ge	49.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.44	0.0
LcA	34.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.38	0.0
GxA	5.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
RbB	4.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.0
GxB	4.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
GgA	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.38	0.0
Weight.Av	100.0 %			0.35	----	0.00	3.70	0.29	0.41	0.0

Land type weighted DTHETA = 0.18

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
200	0.29	0.43	0.18	3.70	0.41	0.0	52.30

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 201

S-GRAPH PARAMETERS

Area = 0.34 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	14.0	0.279

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 13.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.36 mi

Lag = 30.10 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
GgA	87.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
AbA	10.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Es	2.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Mp	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.0
Weight.Av	100.0 %			0.35	----	----	3.56	0.26	0.29	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
201	0.34	0.35	0.35	3.56	0.29	0.0	30.10

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 202

S-GRAPH PARAMETERS

Area = 0.48 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.17	9.0	0.422

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.17 mi Av.Slope= 7.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.58 mi

Lag = 101.54 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Es	57.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
Mp	15.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.03	0.09	0.0
GpA	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.0
AbA	12.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.35	0.0
La	3.0 %	La Palma	Silty Loam	0.39	0.25	0.00	----	0.16	0.30	0.0
Weight.Av	100.0 %			----	----	0.00	3.99	0.23	0.40	0.0

Land type weighted DTHETA = 0.00

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
202	0.48	0.50	0.00	3.99	0.40	0.0	101.54

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 203

S-GRAPH PARAMETERS

Area = 0.11 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.50	3.0	0.204

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.50 mi Av.Slope= 6.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.25 mi

Lag = 23.24 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
La	64.0 %	La Palma	Silty Loam	0.39	0.25	0.00	----	0.16	0.18	0.0
PsA	31.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Es	5.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Weight.Av	100.0 %			0.38	----	----	5.29	0.19	0.21	0.0

Land type weighted DTHETA = 0.38

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
203	0.11	0.35	0.38	5.29	0.21	0.0	23.24

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 204

S-GRAPH PARAMETERS

Area = 0.27 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.59	10.0	0.143

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.59 mi Av.Slope= 16.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.29 mi

Lag = 21.64 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) min

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
La	39.0 %	La Palma	Silty Loam	0.39	0.25	0.00	----	0.16	0.18	0.0
RpE	17.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
PvB	13.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.23	0.26	0.0
SgA	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Cb	9.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.24	0.0
PsA	4.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Lb	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.0
LcA	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.28	0.0
Weight.Av	100.0 %			0.37	----	----	3.85	0.31	0.34	0.0

Land type weighted DTHETA = 0.37

INPUT VALUES FOR (MDUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
204	0.27	0.35	0.37	3.85	0.34	0.0	21.64

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 205

S-GRAPH PARAMETERS

Area = 0.06 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.36	10.0	0.068

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.36 mi Av.Slope= 27.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.13 mi

Lag = 11.82 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
Lb	53.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.0
PvB	32.0 %	Pinal	Loam	0.36	0.25	0.00	----	0.23	0.26	0.0
GgB	10.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.26	0.29	0.0
La	5.0 %	La Palma	Silty Loam	0.39	0.25	0.00	----	0.16	0.18	0.0
Weight.Av	100.0 %			0.36	----	----	3.50	0.25	0.28	0.0

Land type weighted DTHETA = 0.36

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
205	0.06	0.35	0.36	3.50	0.28	0.0	11.82

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 206

S-GRAPH PARAMETERS

Area = 0.12 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.57	29.0	0.080

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.57 mi Av.Slope= 50.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.34 mi

Lag = 18.33 min Lag = 20*Kn*(((1.2)*(L*Lca/S^.5)^.38)*60) mi

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	Kn	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout-crops %
RpE	56.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Ge	23.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.32	0.0
Lb	11.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.0
CA2	10.0 %	Calthiorids	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.0
Weight.Av	100.0 %			0.35	----	----	4.05	0.35	0.36	0.0

Land type weighted DTHETA = 0.35

INPUT VALUES FOR (MCUHP 2)PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
206	0.12	0.35	0.35	4.05	0.36	0.0	18.33

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 207

Area = 1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.45	58.0	0.229

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.45 mi Av.Slope= 40.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.73 mi

Lag = 87.38 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	31.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	22.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Ae	17.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
Mp	9.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
LcA	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Lb	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
LcA	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Cp	1.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.99	0.34	0.39	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
207	1.00	0.50	0.00	3.99	0.39	0.0	87.38

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 207A

Area = 0.5 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.21	50.0	0.188

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.21 mi Av.Slope= 41.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.61 mi

Lag = 31.53 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AKB	28.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.
Vr	19.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.12	1.24	0.
AdB	13.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.
GgA	10.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Mp	6.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.
Cb	5.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.24	0.
Ae	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
AbA	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	3.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
LcA	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Ma	2.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.32	0.
Weight.Av	100.0 %			0.34	----	----	4.03	0.51	0.55	0.

Land type weighted DTHETA = 0.34

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
207A	0.50	0.35	0.34	4.03	0.55	0.0	31.53

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 208

Area = 1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.39	61.0	0.210

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.39 mi Av.Slope= 43.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.70 mi

Lag = 83.14 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	47.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	27.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
GgA	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Ae	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
Aa	3.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Vh	1.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.
Va	1.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Mp	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Weight.Av	100.0 %			----	----	0.00	4.18	0.38	0.42	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
208	1.00	0.50	0.00	4.18	0.42	0.0	83.14

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 209

[illegible]a = 0.5 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	36.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 32.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 74.85 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	43.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	29.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ge	19.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Bs	7.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Ma	2.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	3.85	0.32	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
209	0.50	0.50	0.00	3.85	0.46	0.0	74.85

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 209A

a = 0.5 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	33.0	0.215

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 28.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.58 mi

Lag = 78.04 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	75.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Bs	19.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	4.27	0.39	0.41	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
209A	0.50	0.50	0.00	4.27	0.41	0.0	78.04

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 210

S-GRAPH PARAMETERS

Area = 0.46 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	32.0	0.210

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 28.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 76.55 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ge	72.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Bs	15.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
GgA	10.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.84	0.31	0.52	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
210	0.46	0.50	0.00	3.84	0.52	0.0	76.55

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 211

Area = 0.49 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	32.0	0.218

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 27.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.58 mi

Lag = 78.49 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ge	66.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
GgA	30.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.69	0.28	0.52	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
211	0.49	0.50	0.00	3.69	0.52	0.0	78.49

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 212

Area = 0.54 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.48	25.0	0.360

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.48 mi Av.Slope= 16.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.67 mi

Lag = 100.44 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	77.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	18.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.59	0.27	0.49	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
212	0.54	0.50	0.00	3.59	0.49	0.0	100.44

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # 213

Area = 0.35 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	19.0	0.283

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 16.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.63 mi

Lag = 37.44 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	93.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Es	7.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Weight.Av	100.0 %			0.35	----	----	3.50	0.25	0.28	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
213	0.35	0.35	0.35	3.50	0.28	0.0	37.44

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 214

Area = 0.16 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.77	32.0	0.119

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.77 mi Av.Slope= 41.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.46 mi

Lag = 23.95 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AdB	38.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.
AbA	21.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	18.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Va	11.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Ae	10.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
Mo	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
Weight.Av	100.0 %			0.35	----	----	4.16	0.37	0.38	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
214	0.16	0.35	0.35	4.16	0.38	0.0	23.95

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 215

Area = 0.35 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	43.0	0.211

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 34.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.50 mi

Lag = 30.51 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	63.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
AdB	20.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.
AKB	8.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.
Mp	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.
Ae	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
Mo	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
Weight.Av	100.0 %			0.34	----	----	3.71	0.29	0.31	0.

Land type weighted DTHETA = 0.34

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
215	0.35	0.35	0.34	3.71	0.31	0.0	30.51

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 215A

S-GRAPH PARAMETERS

a = 0.45 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.57	58.0	0.258

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.57 mi Av.Slope= 36.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 30.0 % of (L)= 0.47 mi

Lag = 32.34 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AKB	31.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.
Ae	25.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
GgA	15.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
AHC	12.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.
AdB	12.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.
Mo	5.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
Weight.Av	100.0 %			0.33	----	----	3.94	0.33	0.34	0.

Land type weighted DTHETA = 0.33

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
215A	0.45	0.35	0.33	3.94	0.34	0.0	32.34

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 216

a = 0.51 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	43.0	0.195

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 36.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 64.96 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	75 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	25 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	72.5	1.70	0.103	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	48.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	22.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
GgA	11.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.42	0.
Ae	9.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
Va	6.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
AdB	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.
Weight.Av	101.0 %			0.35	----	0.00	4.21	0.38	0.40	0.

Land type weighted DTHETA = 0.09

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
216	0.51	0.46	0.09	4.21	0.40	0.0	64.96

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 217

a = 0.49 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	39.0	0.190

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 34.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 73.72 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	63.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	22.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Ma	7.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Cp	6.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Weight.Av	100.0 %			----	----	0.00	4.19	0.38	0.38	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
217	0.49	0.50	0.00	4.19	0.38	0.0	73.72

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 218

= 1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	55.0	0.228

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 38.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 86.53 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	47.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	43.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
GgA	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ma	2.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	4.20	0.38	0.39	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
218	1.00	0.50	0.00	4.20	0.39	0.0	86.53

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 219

S-GRAPH PARAMETERS

= 0.5 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	36.0	0.206

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 31.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.58 mi

Lag = 76.76 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	83.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	10.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	1.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	4.21	0.38	0.40	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
219	0.50	0.50	0.00	4.21	0.40	0.0	76.76

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 220

S-GRAPH PARAMETERS

= 0.5 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	37.0	0.211

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 31.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 78.25 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	79.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	4.13	0.37	0.41	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
220	0.50	0.50	0.00	4.13	0.41	0.0	78.25

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 221

S-GRAPH PARAMETERS

a = 0.48 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	26.0	0.232

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 23.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 79.63 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	88.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	12.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	3.53	0.25	0.48	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
221	0.48	0.50	0.00	3.53	0.48	0.0	79.63

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 221A

Area = 0.31 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.06	16.0	0.273

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.06 mi Av.Slope= 15.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.64 mi

Lag = 88.82 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ge	77.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
GgA	23.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.66	0.28	0.53	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
221A	0.31	0.50	0.00	3.66	0.53	0.0	88.82

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 222

a = 1.1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
2.86	15.0	1.249

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.86 mi Av.Slope= 5.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 1.43 mi

Lag = 108.60 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	85 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
PAV	15 %	Pavement	0.05	100.0	0.0	1.00	0.12	Dry
Weight.Av	100 %		0.31	15.0	17.0	1.09	0.061	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ge	46.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.32	0.
GgA	42.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.27	0.
Ld	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.28	0.
Ch	3.0 %	Casa Grande	Loam	0.35	0.25	0.00	----	0.24	0.26	0.
Gr	2.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.16	0.
Weight.Av	100.0 %			0.35	----	----	3.59	0.27	0.29	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
222	1.10	0.31	0.35	3.59	0.29	15.0	108.60

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 223

Area = 1.26 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.62	15.0	0.532

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.62 mi Av.Slope= 9.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.81 mi

Lag = 35.57 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
COM	80 %	Commercial	0.06	90.0	10.0	1.00	0.03	Dry
DRL	20 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.12	72.0	12.0	1.02	0.034	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	54.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.26	0.
Mr	19.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.05	0.
Gr	10.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.15	0.
PsA	9.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.25	0.26	0.
Ld	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.27	0.
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.05	0.
Weight.Av	100.0 %			0.33	----	----	5.09	0.20	0.20	0.

Land type weighted DTHETA = 0.33

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
223	1.26	0.12	0.33	5.09	0.20	72.0	35.57

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 224

a = 0.8 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.15	22.0	0.012
0.89	29.0	0.156

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.04 mi Av.Slope= 38.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.52 mi

Lag = 28.53 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ld	36.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.29	0.
Mr	30.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.06	0.
AbB	18.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
RpE	8.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
PeB	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.32	----	----	4.03	0.23	0.25	0.

Land type weighted DTHETA = 0.32

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
224	0.80	0.35	0.32	4.03	0.25	0.0	28.53

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 225

Area = 0.43 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	16.0	0.345

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 12.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.62 mi

Lag = 36.87 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	80 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	20 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.30	4.0	26.0	1.18	0.046	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Gf	22.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.30	0.35	0.
PvB	17.0 %	Pinal	Loam	0.36	0.25	0.00	----	0.23	0.27	0.
RbB	13.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
PsA	11.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
RpE	8.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Gt	6.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.16	0.
Ld	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.31	0.
LcB	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.31	0.
La	4.0 %	La Palma	Silty Loam	0.39	0.25	0.00	----	0.16	0.19	0.
Gh	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
Gr	3.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.18	0.
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
Weight.Av	100.0 %			0.36	0.25	----	3.63	0.27	0.31	0.

Land type weighted DTHETA = 0.33

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
225	0.43	0.30	0.33	3.63	0.31	4.0	36.87

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 225A

Area = 0.37 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	15.0	0.270

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 14.6 ft/mi

Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.46 mi

Lag = 32.68 min

Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
PvB	41.0 %	Pinal	Loam	0.36	0.25	0.00	----	0.23	0.26	0.
RpE	19.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ld	13.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.29	0.
Gr	13.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.17	0.
Ao	10.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
GgA	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
La	1.0 %	La Palma	Silty Loam	0.39	0.25	0.00	----	0.16	0.18	0.
Weight.Av	100.0 %			0.35	----	----	3.91	0.24	0.25	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
225A	0.37	0.35	0.35	3.91	0.25	0.0	32.68

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 226

a = 1.18 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.30	11.0	0.447

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.30 mi Av.Slope= 8.5 ft/mi

Lca = 50.0 % of (L)= 0.65 mi

Av.slope =(SUM(Li)/I)^2

Lag = 29.71 min

Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	85 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
DRL	15 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.15	17.0	45.5	1.40	0.033	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	20.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.35	0.
Ld	16.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.36	0.
Es	16.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.35	0.
GgA	12.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.35	0.
PsB	9.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.27	0.38	0.
La	8.0 %	La Palma	Silty Loam	0.39	0.25	0.00	----	0.16	0.22	0.
AbB	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
RpE	3.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
RbB	3.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
PsA	3.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.25	0.35	0.
LcB	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.36	0.
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.07	0.
Gr	1.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.21	0.
Weight.Av	100.0 %			0.35	0.25	----	3.53	0.26	0.34	0.

Land type weighted DTHETA = 0.26

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
226	1.18	0.15	0.26	3.53	0.34	17.0	29.71

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 227

= 0.23 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.89	44.0	0.127

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.89 mi Av.Slope= 49.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.45 mi

Lag = 22.68 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	85 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	15 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.32	3.0	24.5	1.16	0.047	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
RpE	38.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcB	16.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.30	0.
GgA	15.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
PsB	12.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.27	0.31	0.
PvB	7.0 %	Pinal	Loam	0.36	0.25	0.00	----	0.23	0.27	0.
LcA	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
La	5.0 %	La Palma	Silty Loam	0.39	0.25	0.00	----	0.16	0.19	0.
Weight.Av	100.0 %			0.35	0.25	----	3.77	0.30	0.33	0.

Land type weighted DTHETA = 0.34

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
227	0.23	0.32	0.34	3.77	0.33	3.0	22.68

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 228

= 0.28 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.89	21.0	0.183

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.89 mi Av.Slope= 23.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.45 mi

Lag = 27.77 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
PsA	25.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
PvB	20.0 %	Pinal	Loam	0.36	0.25	0.00	----	0.23	0.26	0.
RpE	17.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	14.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Lb	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
La	9.0 %	La Palma	Silty Loam	0.39	0.25	0.00	----	0.16	0.18	0.
LcB	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.29	0.
GgB	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.26	0.29	0.
Weight.Av	100.0 %			0.36	----	----	3.58	0.26	0.29	0.

Land type weighted DTHETA = 0.36

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
228	0.28	0.35	0.36	3.58	0.29	0.0	27.77

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 228A

= 0.08 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.56	30.0	0.077

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.56 mi Av.Slope= 53.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.25 mi

Lag = 16.06 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
RpE	77.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
CA2	18.0 %	Calthiorids	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
TD	5.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.33	0.
Weight.Av	100.0 %			0.35	----	----	4.23	0.43	0.44	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
228A	0.08	0.35	0.35	4.23	0.44	0.0	16.06

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 229

S-GRAPH PARAMETERS

= 0.51 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.97	70.0	0.114

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.97 mi Av.Slope= 72.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.39 mi

Lag = 21.15 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	90 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.33	2.0	23.0	1.14	0.048	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
RpE	81.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
PsB	2.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.27	0.31	0.
Weight.Av	100.0 %			0.35	0.25	----	4.11	0.36	0.37	0.

Land type weighted DTHETA = 0.34

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
229	0.51	0.33	0.34	4.11	0.37	2.0	21.15

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 230

S-GRAPH PARAMETERS

= 0.04 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.36	10.0	0.068

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.36 mi Av.Slope= 27.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.13 mi

Lag = 28.36 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	93.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	7.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	3.55	0.26	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
230	0.04	0.50	0.00	3.55	0.47	0.0	28.36

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 230A

S-GRAPH PARAMETERS

a = 0.18 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.47	52.0	0.045
0.28	14.0	0.040

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.75 mi Av.Slope= 79.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.26 mi

Lag = 16.92 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
RpE	69.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	19.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
PsB	10.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
LcA	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Weight.Av	100.0 %			0.35	----	----	4.03	0.35	0.36	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
230A	0.18	0.35	0.35	4.03	0.36	0.0	16.92

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 231

S-GRAPH PARAMETERS

a = 0.35 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	30.0	0.225

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 26.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.46 mi

Lag = 34.68 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	90 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
AGR	10 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.37	0.0	27.0	1.19	0.057	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Vg	30.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.27	0.
RpE	14.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Br	11.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
GgA	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.30	0.
Cb	9.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.33	0.
Ao	9.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
Vh	6.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.26	0.
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
CA2	3.0 %	Calthiorids	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
TD	2.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.43	0.
LcA	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.30	0.
Weight.Av	100.0 %			0.34	----	0.00	3.61	0.69	0.79	0.

Land type weighted DTHETA = 0.31

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
231	0.35	0.37	0.31	3.61	0.79	0.0	34.68

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 232

a = 0.93 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.63	128.0	0.184

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.63 mi Av.Slope= 78.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.65 mi

Lag = 32.16 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
PYD	25.0 %	Pinmat	Sandy Loam	0.31	0.22	0.00	----	0.33	0.33	0.
AHC	25.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.30	0.30	0.
AKB	19.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.
Va	12.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
AGB	10.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.
AbA	7.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Weight.Av	100.0 %			0.33	----	----	4.08	0.36	0.36	0.

Land type weighted DTHETA = 0.33

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
232	0.93	0.35	0.33	4.08	0.36	0.0	32.16

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 233

A = 0.5 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.27	36.0	0.239

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.27 mi Av.Slope= 28.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.61 mi

Lag = 34.60 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	44.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
AKB	15.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.
AdA	13.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Ae	8.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
AdB	8.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.
Ma	7.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Va	2.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Bs	1.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			0.35	----	----	4.22	0.39	0.39	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
233	0.50	0.35	0.35	4.22	0.39	0.0	34.60

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 234

a = 0.53 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	36.0	0.230

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 29.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.60 mi

Lag = 81.18 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	36.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	32.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Va	14.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Bs	12.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	4.25	0.39	0.40	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
234	0.53	0.50	0.00	4.25	0.40	0.0	81.18

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 235

S-GRAPH PARAMETERS

a = 0.47 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.21	29.0	0.247

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.21 mi Av.Slope= 24.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.58 mi

Lag = 82.64 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ma	67.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
AbA	16.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	15.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	4.27	0.40	0.40	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
235	0.47	0.50	0.00	4.27	0.40	0.0	82.64

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 236

a = 1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	46.0	0.249

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 32.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 89.52 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Es	33.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	21.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Va	20.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
AbA	17.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	5.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.88	0.32	0.45	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
236	1.00	0.50	0.00	3.88	0.45	0.0	89.52

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 237

S-GRAPH PARAMETERS

a = 0.5 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.27	31.0	0.257

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.27 mi Av.Slope= 24.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.61 mi

Lag = 85.44 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	70.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	14.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	7.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	5.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Ge	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	3.61	0.27	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
237	0.50	0.50	0.00	3.61	0.46	0.0	85.44

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 238

Area = 0.5 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	31.0	0.230

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 26.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 80.92 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	97.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	1.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	1.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
AbA	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.52	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
238	0.50	0.50	0.00	3.52	0.47	0.0	80.92

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 239

S-GRAPH PARAMETERS

Area = 0.48 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.09	26.0	0.223

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.09 mi Av.Slope= 23.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.55 mi

Lag = 77.60 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	98.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mr	1.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
LcA	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.56	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
239	0.48	0.50	0.00	3.56	0.47	0.0	77.60

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 240

S-GRAPH PARAMETERS

Area = 0.4 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.92	19.0	0.202

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.92 mi Av.Slope= 20.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.46 mi

Lag = 70.11 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	65.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	25.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
RaB	8.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mr	1.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Mp	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Weight.Av	100.0 %			----	----	0.00	3.59	0.27	0.48	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
240	0.40	0.50	0.00	3.59	0.48	0.0	70.11

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 241

S-GRAPH PARAMETERS

Area = 1.51 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.41	33.0	0.046
0.89	24.0	0.171

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.30 mi Av.Slope= 35.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.46 mi

Lag = 38.24 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	80 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
AGR	20 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.38	0.0	34.0	1.27	0.064	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
RpE	21.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
AbA	12.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ge	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.37	0.
LcB	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.33	0.
AbB	6.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Cb	5.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.42	0.
PvB	4.0 %	Pinal	Loam	0.36	0.25	0.00	----	0.23	0.29	0.
LcA	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
Lb	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.34	0.
Es	4.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
RaB	3.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ld	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.33	0.
Gt	3.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.18	0.
Gr	3.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.19	0.
Weight.Av	100.0 %			0.35	----	0.00	4.04	0.35	0.40	0.

Land type weighted DTHETA = 0.28

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
241	1.51	0.38	0.28	4.04	0.40	0.0	38.24

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 242

S-GRAPH PARAMETERS

Area = 1.14 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.95	60.0	0.352

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.95 mi Av.Slope= 30.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.98 mi

Lag = 47.93 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
RpE	33.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
PvB	11.0 %	Pinal	Loam	0.36	0.25	0.00	----	0.23	0.26	0.
Ch	10.0 %	Casa Grande	Loam	0.35	0.25	0.00	----	0.24	0.27	0.
GgA	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Gr	7.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.17	0.
Aa	7.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.32	0.
LcA	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
RbB	3.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
GxB	3.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Es	3.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
AbB	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
AbA	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Gt	2.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.16	0.
Ao	2.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
Weight.Av	100.0 %			0.35	----	----	3.76	0.30	0.31	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
242	1.14	0.35	0.35	3.76	0.31	0.0	47.93

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 242A

Area = 0.09 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.41	17.0	0.064

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.41 mi Av.Slope= 41.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.21 mi

Lag = 13.85 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	39.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
RpE	32.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
RaB	29.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.35	----	----	4.25	0.39	0.39	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
242A	0.09	0.35	0.35	4.25	0.39	0.0	13.85

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 243

S-GRAPH PARAMETERS

= 0.24 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.71	21.0	0.131

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.71 mi Av.Slope= 29.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.36 mi

Lag = 31.82 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	70 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
AGR	30 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.40	0.0	41.0	1.34	0.071	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	39.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.07	0.
Cp	13.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Aa	10.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.39	0.
PsA	7.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.25	0.34	0.
Br	7.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
RpE	5.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.34	0.
Ge	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.39	0.
Mr	3.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.07	0.
GxB	3.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GxA	3.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Lb	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.36	0.
Weight.Av	100.0 %			0.31	----	0.00	4.30	0.22	0.26	0.

Land type weighted DTHETA = 0.22

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
243	0.24	0.40	0.22	4.30	0.26	0.0	31.82

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 243A

A = 0.22 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.15	28.0	0.011
0.71	22.0	0.128

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.86 mi Av.Slope= 38.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.30 mi

Lag = 34.44 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	50 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	25 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	25 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.37	5.0	62.5	1.59	0.080	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Cp	38.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
AbA	26.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
RpE	20.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Es	9.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.40	0.
Aa	5.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.46	0.
LcA	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.40	0.
Weight.Av	100.0 %			0.35	0.25	0.00	4.14	0.37	0.39	0.

Land type weighted DTHETA = 0.15

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
243A	0.22	0.37	0.15	4.14	0.39	5.0	34.44

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 243B

A = 0.07 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.88	25.0	0.165

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.88 mi Av.Slope= 28.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 30.0 % of (L)= 0.26 mi

Lag = 52.54 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Cp	67.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	25.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Aa	4.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	4.04	0.35	0.42	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
243B	0.07	0.50	0.00	4.04	0.42	0.0	52.54

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 244

S-GRAPH PARAMETERS

= 0.19 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.53	10.0	0.122

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.53 mi Av.Slope= 18.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.21 mi

Lag = 43.09 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	35.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	13.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Lb	13.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Ge	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
LcA	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	8.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	5.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Cp	4.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.69	0.24	0.43	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
244	0.19	0.50	0.00	3.69	0.43	0.0	43.09

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 244A

= 0.31 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.52	57.0	0.050
0.31	16.0	0.043

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.83 mi Av.Slope= 80.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.29 mi

Lag = 18.24 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
RpE	74.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Es	16.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
LcB	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.29	0.
Cp	3.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.35	----	----	4.08	0.36	0.36	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
244A	0.31	0.35	0.35	4.08	0.36	0.0	18.24

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 245

S-GRAPH PARAMETERS

A = 0.4 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.27	17.0	0.347

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.27 mi Av.Slope= 13.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.57 mi

Lag = 82.55 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	80 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	20 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.47	0.0	76.0	1.73	0.106	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Vh	30.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.84	0.
Bs	29.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Ao	22.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.10	0.
Vg	4.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.86	0.
LcA	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.43	0.
Aa	4.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.50	0.
Vk	3.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.03	1.79	0.
Br	3.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
Lb	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.47	0.
Weight.Av	100.0 %			0.33	----	0.00	3.88	0.58	0.89	0.

Land type weighted DTHETA = 0.07

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
245	0.40	0.47	0.07	3.88	0.89	0.0	82.55

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 246

S-GRAPH PARAMETERS

a = 0.75 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.62	58.0	0.271

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.62 mi Av.Slope= 35.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.78 mi

Lag = 39.83 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ma	29.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
AdB	24.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.43	0.43	0.
AbA	19.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	8.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
GgA	7.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
AKB	7.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Mo	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
Lb	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
Weight.Av	100.0 %			0.35	----	----	4.22	0.39	0.39	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
246	0.75	0.35	0.35	4.22	0.39	0.0	39.83

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 247

S-GRAPH PARAMETERS

= 0.5 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	40.0	0.218

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 32.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.60 mi

Lag = 79.57 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	53.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	37.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Lb	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Va	1.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Weight.Av	100.0 %			----	----	0.00	4.21	0.38	0.40	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
247	0.50	0.50	0.00	4.21	0.40	0.0	79.57

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 248

S-GRAPH PARAMETERS

a = 1 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.45	48.0	0.252

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.45 mi Av.Slope= 33.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.73 mi

Lag = 90.58 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	72.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	12.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Lb	8.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Va	1.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Pa	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	4.22	0.39	0.40	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
248	1.00	0.50	0.00	4.22	0.40	0.0	90.58

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 249

S-GRAPH PARAMETERS

Area = 1 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	45.0	0.252

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 31.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 89.89 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ge	38.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Ma	20.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Ge	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Bs	10.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
AbA	8.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	6.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Es	5.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.98	0.34	0.48	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
249	1.00	0.50	0.00	3.98	0.48	0.0	89.89

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 250

S-GRAPH PARAMETERS

Area = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	28.0	0.224

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 25.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 78.51 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Es	35.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	25.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Va	20.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
GgA	16.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.73	0.29	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
250	0.49	0.50	0.00	3.73	0.47	0.0	78.51

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 250A

Area = 0.51 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	29.0	0.256

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 23.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.60 mi

Lag = 84.59 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Es	83.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	12.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Weight.Av	100.0 %			----	----	0.00	3.59	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
250A	0.51	0.50	0.00	3.59	0.47	0.0	84.59

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 251

Area = 0.5 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	24.0	0.242

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 21.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 80.85 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	38.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	31.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	17.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	14.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	3.53	0.26	0.48	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
251	0.50	0.50	0.00	3.53	0.48	0.0	80.85

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 252

S-GRAPH PARAMETERS

Area = 0.5 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	23.0	0.247

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 20.5 ft/mi

Lca = 50.0 % of (L)= 0.56 mi

Av.slope =(SUM(Li)/I)^2

Lag = 81.50 min

Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	47.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	21.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Lb	15.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Va	5.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Weight.Av	100.0 %			----	----	0.00	4.45	0.22	0.40	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
252	0.50	0.50	0.00	4.45	0.40	0.0	81.50

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 253

a = 1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	27.0	0.237

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 23.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.58 mi

Lag = 81.07 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	45.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	22.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	17.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Lb	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
AbA	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
PeA	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Mp	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Ge	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Aa	1.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	3.82	0.24	0.43	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
253	1.00	0.50	0.00	3.82	0.43	0.0	81.07

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 253A

= 0.25 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.09	40.0	0.180

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.09 mi Av.Slope= 36.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.65 mi

Lag = 29.38 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	80 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
LWN	20 %	Lawn & Turf	0.20	50%Rock-	95.0	1.94	0.03	Normal
Weight.Av	100 %		0.32	0.0	35.0	1.28	0.046	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	62.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Lb	27.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.34	0.
RpE	8.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.
PeB	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.35	0.25	----	4.04	0.35	0.37	0.

Land type weighted DTHETA = 0.33

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
253A	0.25	0.32	0.33	4.04	0.37	0.0	29.38

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 254

A = 0.59 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	50.0	0.195

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 40.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.43 mi

Lag = 46.22 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	50 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	35 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
LWN	15 %	Lawn & Turf	0.20	50%Rock-	95.0	1.94	0.03	Normal
Weight.Av	100 %		0.40	0.0	66.3	1.62	0.082	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	31.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.44	0.
AbA	31.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mp	18.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.08	0.
RpE	11.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Es	4.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
LcA	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
Pa	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.33	0.23	0.00	3.67	0.28	0.35	0.

Land type weighted DTHETA = 0.15

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
254	0.59	0.40	0.15	3.67	0.35	0.0	46.22

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 254A

S-GRAPH PARAMETERS

= 0.22 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.97	36.0	0.159

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.97 mi Av.Slope= 37.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.44 mi

Lag = 15.68 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	100 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.12	20.0	50.0	1.45	0.030	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mr	45.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.07	0.
Lb	11.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.39	0.
AbA	11.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mp	9.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.07	0.
Cp	9.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mo	6.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.09	0.
Pa	5.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Le	3.0 %	Laveen	Loam	0.34	0.23	0.00	----	0.23	0.33	0.
Vh	1.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.54	0.
Weight.Av	100.0 %			----	0.19	----	5.82	0.18	0.21	0.

Land type weighted DTHETA = 0.19

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
254A	0.22	0.12	0.19	5.82	0.21	20.0	15.68

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 255

[illegible] = 0.94 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.39	44.0	0.247

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.39 mi

Lca = 50.0 % of (L)= 0.70 mi

Av.Slope= 31.7 ft/mi

Av.slope =(SUM(Li)/I)^2

Lag = 22.12 min

Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	60 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
LWN	40 %	Lawn & Turf	0.20	50%Rock-	95.0	1.94	0.03	Normal
Weight.Av	100 %		0.15	12.0	68.0	1.65	0.030	

GREEN & AMPT LOSS RATE PARAMETERS

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mr	32.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.08	0.
AbA	27.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
RpE	11.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	10.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
GgA	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
Va	4.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Gt	4.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.23	0.
Gr	2.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.25	0.
LcB	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.43	0.
Weight.Av	100.0 %			----	0.22	----	3.88	0.24	0.29	0.

Land type weighted DTHETA = 0.22

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
255	0.94	0.15	0.22	3.88	0.29	12.0	22.12

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 256

S-GRAPH PARAMETERS

= 0.43 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.06	19.0	0.250

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.06 mi Av.Slope= 17.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.42 mi

Lag = 73.69 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mr	38.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
LcA	19.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Lb	15.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Le	8.0 %	Laveen	Loam	0.34	0.23	0.00	----	0.23	0.43	0.
Mp	6.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
GxB	4.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Es	2.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	5.84	0.17	0.30	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
256	0.43	0.50	0.00	5.84	0.30	0.0	73.69

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 257

S-GRAPH PARAMETERS

Area = 0.34 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.21	14.0	0.356

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.21 mi Av.Slope= 11.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.61 mi

Lag = 96.39 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mr	45.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Lb	11.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
AbA	11.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mp	9.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Cp	9.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mo	6.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Pa	5.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Le	3.0 %	Laveen	Loam	0.34	0.23	0.00	----	0.23	0.43	0.
Vh	1.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.
Weight.Av	100.0 %			----	----	0.00	5.82	0.18	0.24	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
257	0.34	0.50	0.00	5.82	0.24	0.0	96.39

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 258

Area = 0.38 sq.mi

S-GRAPH PARAMETERS

v path (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	28.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 27.2 ft/mi

Lca = 45.0 % of (L)= 0.46 mi

Av.slope =(SUM(Li)/I)^2

Lag = 35.12 min

Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	85 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
AGR	15 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.37	0.0	30.5	1.23	0.061	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Vh	20.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.30	0.
Br	18.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
GxB	15.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
PeB	9.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Pa	9.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	9.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Aa	5.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.36	0.
RpE	4.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mo	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
Ao	2.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
Mp	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.
Weight.Av	100.0 %			0.35	----	0.00	3.99	0.53	0.58	0.

Land type weighted DTHETA = 0.29

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
258	0.38	0.37	0.29	3.99	0.58	0.0	35.12

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 258A

Area = 0.12 sq.mi

S-GRAPH PARAMETERS

v path (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.71	17.0	0.145

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.71 mi Av.Slope= 23.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.43 mi

Lag = 25.00 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

				Average values						
Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Pa	43.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
RpE	27.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	16.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
RaB	10.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mo	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
Cp	2.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.35	----	----	4.22	0.39	0.39	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
258A	0.12	0.35	0.35	4.22	0.39	0.0	25.00

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 259

S-GRAPH PARAMETERS

Area = 0.2 sq.mi

v path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.59	12.0	0.131

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.59 mi Av.Slope= 20.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.29 mi

Lag = 20.90 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Br	29.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
Vh	24.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.18	0.
GgA	18.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
RpE	11.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ge	8.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.32	0.
Bt	4.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.50	0.50	0.
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Aa	3.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.32	0.
Weight.Av	100.0 %			0.35	----	----	3.93	0.56	0.59	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
259	0.20	0.35	0.35	3.93	0.59	0.0	20.90

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 260

S-GRAPH PARAMETERS

Area = 0.5 sq.mi

v path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.30	59.0	0.193

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.30 mi Av.Slope= 45.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.62 mi

Lag = 29.63 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	80 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	20 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.30	4.0	26.0	1.18	0.046	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Bs	34.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
AKB	20.0 %	Antho	Sandy Loam	0.32	0.22	0.00	----	0.33	0.33	0.
Ma	18.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Cb	10.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.32	0.
AbA	7.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ae	6.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
Lb	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.32	0.
AdA	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			0.34	0.25	----	4.13	0.47	0.49	0.

Land type weighted DTHETA = 0.33

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
260	0.50	0.30	0.33	4.13	0.49	4.0	29.63

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 261

S-GRAPH PARAMETERS

Area = 0.41 sq.mi

path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	51.0	0.193

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 41.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.74 mi

Lag = 82.71 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	31.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Lb	26.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Ma	20.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Mo	12.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Ae	6.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
GgA	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.87	0.32	0.40	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
261	0.41	0.50	0.00	3.87	0.40	0.0	82.71

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 262

Area = 1.03 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	55.0	0.228

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 38.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 86.53 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	70.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Ma	14.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Mo	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
AbA	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Pa	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Es	2.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Va	1.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Ge	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Bs	1.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.68	0.28	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
262	1.03	0.50	0.00	3.68	0.46	0.0	86.53

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 263

A = 0.5 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	35.0	0.208

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 30.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.58 mi

Lag = 77.17 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	34.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Es	22.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	17.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	14.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Ge	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	3.78	0.30	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
263	0.50	0.50	0.00	3.78	0.47	0.0	77.17

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 264

A = 0.5 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.09	37.0	0.187

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.09 mi Av.Slope= 33.9 ft/mi

Lca = 50.0 % of (L)= 0.55 mi

Av.slope =(SUM(Li)/I)^2

Lag = 72.57 min

Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ge	71.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Lb	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Es	6.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Ma	4.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Va	3.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
AbA	3.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.80	0.31	0.52	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
264	0.50	0.50	0.00	3.80	0.52	0.0	72.57

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 265

= 0.22 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	22.0	0.273

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 18.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 65.0 % of (L)= 0.77 mi

Lag = 95.43 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ge	60.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Ma	16.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
GgA	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Va	5.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Lb	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Weight.Av	100.0 %			----	----	0.00	3.83	0.31	0.50	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
265	0.22	0.50	0.00	3.83	0.50	0.0	95.43

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 265A

A = 0.95 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	26.0	0.271

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 21.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.43 mi

Lag = 76.59 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	35.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	27.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
GgA	19.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	5.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Ma	4.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Va	3.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Es	3.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Lb	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.58	0.27	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
265A	0.95	0.50	0.00	3.58	0.47	0.0	76.59

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 266

Area = 0.33 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	19.0	0.294

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 16.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.71 mi

Lag = 95.18 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	99.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	1.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
266	0.33	0.50	0.00	3.50	0.47	0.0	95.18

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 267

Area = 0.5 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	23.0	0.247

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 20.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 81.50 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	59.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	30.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
GgA	11.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	5.36	0.19	0.36	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
267	0.50	0.50	0.00	5.36	0.36	0.0	81.50

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 268

a = 0.95 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	20.0	0.287

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 16.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 87.95 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	46.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	21.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
GgA	18.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	12.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Mr	1.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Weight.Av	100.0 %			----	----	0.00	5.00	0.20	0.38	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
268	0.95	0.50	0.00	5.00	0.38	0.0	87.95

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 269

S-GRAPH PARAMETERS

a = 0.66 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	19.0	0.229

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 19.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.40 mi

Lag = 69.72 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	34.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	23.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Lb	23.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Va	8.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
GgA	8.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	4.44	0.22	0.39	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
269	0.66	0.50	0.00	4.44	0.39	0.0	69.72

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 270

A = 0.3 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.86	9.0	0.266

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.86 mi Av.Slope= 10.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.43 mi

Lag = 24.63 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	90 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
AGR	10 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.16	18.0	54.0	1.49	0.039	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	74.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.40	0.
Va	7.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
LcA	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.37	0.
Es	5.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.37	0.
Tu	4.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.36	0.
Mp	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.07	0.
Weight.Av	100.0 %			----	0.25	0.00	3.58	0.26	0.38	0.

Land type weighted DTHETA = 0.22

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
270	0.30	0.16	0.22	3.58	0.38	18.0	24.63

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 271

a = 0.57 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	9.0	0.333

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 9.0 ft/mi

Lca = 50.0 % of (L)= 0.50 mi

Av.slope =(SUM(Li)/I)^2

Lag = 87.47 min

Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mr	41.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Lb	24.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Va	15.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Es	15.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	3.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Gr	1.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
GgA	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	5.47	0.19	0.30	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
271	0.57	0.50	0.00	5.47	0.30	0.0	87.47

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 271A

Area = 0.16 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	10.0	0.316

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 10.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.60 mi

Lag = 91.88 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	70.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Mr	30.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Weight.Av	100.0 %			----	----	0.00	4.93	0.20	0.39	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
271A	0.16	0.50	0.00	4.93	0.39	0.0	91.88

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 271B

Area = 0.15 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.86	10.0	0.252

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.86 mi Av.Slope= 11.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.43 mi

Lag = 61.29 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	70 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	69.0	1.66	0.099	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	100.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.45	0.
Weight.Av	100.0 %			0.35	----	0.00	3.61	0.27	0.45	0.

Land type weighted DTHETA = 0.11

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
271B	0.15	0.46	0.11	3.61	0.45	0.0	61.29

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 271C

Area = 0.18 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.65	16.0	0.131

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.65 mi Av.Slope= 24.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.29 mi

Lag = 20.85 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	42.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
RpE	18.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GxB	16.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	10.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
PeB	9.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
RaB	5.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.35	----	----	3.90	0.33	0.34	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
271C	0.18	0.35	0.35	3.90	0.34	0.0	20.85

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 272

[redacted] = 0.2 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.59	9.0	0.151

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.59 mi Av.Slope= 15.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.29 mi

Lag = 22.08 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	27.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Vh	21.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.18	0.
Br	21.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
RpE	9.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
TD	8.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.33	0.
Ge	7.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.32	0.
GxB	3.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Lb	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			0.35	----	----	3.88	0.58	0.62	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
272	0.20	0.35	0.35	3.88	0.62	0.0	22.08

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 273

a = 0.65 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	68.0	0.205

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 47.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 33.24 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	90 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.33	2.0	23.0	1.14	0.048	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ma	34.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Cp	21.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Bs	14.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Va	11.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
AbA	6.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
TrB	3.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.31	0.
Lb	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.31	0.
TB	1.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	1.37	0.
Mo	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.07	0.
GgA	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
Weight.Av	100.0 %			0.35	0.25	----	4.25	0.39	0.40	0.

Land type weighted DTHETA = 0.34

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
273	0.65	0.33	0.34	4.25	0.40	2.0	33.24

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 274

a = 0.66 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.86	74.0	0.295

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.86 mi Av.Slope= 39.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 49.0 % of (L)= 0.91 mi

Lag = 104.88 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ma	42.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Ae	14.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.41	0.41	0.
Es	12.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	7.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Va	6.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Lb	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
GgA	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mo	3.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Cb	3.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	2.12	0.
TD	2.0 %	Torri-	Loamy Sand	0.35	0.30	0.00	----	1.20	2.27	0.
Te	1.0 %	Tremant	Sandy Clay Loam	0.26	0.16	0.00	----	0.09	0.17	0.
Cp	1.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	4.29	0.40	0.50	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
274	0.66	0.50	0.00	4.29	0.50	0.0	104.88

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 275

= 0.11 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.50	21.0	0.077

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.50 mi Av.Slope= 42.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.20 mi

Lag = 35.41 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Va	48.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Es	24.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mo	7.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
GgA	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Aa	6.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Ma	4.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	3.84	0.31	0.40	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
275	0.11	0.50	0.00	3.84	0.40	0.0	35.41

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 276

S-GRAPH PARAMETERS

a = 0.26 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.06	41.0	0.170

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.06 mi Av.Slope= 38.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.53 mi

Lag = 69.30 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ma	43.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
GgA	16.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	15.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Ge	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Aa	9.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Va	4.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Weight.Av	100.0 %			----	----	0.00	4.08	0.36	0.45	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
276	0.26	0.50	0.00	4.08	0.45	0.0	69.30

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 277

S-GRAPH PARAMETERS

= 0.91 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.60	58.0	0.266

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.60 mi Av.Slope= 36.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.80 mi

Lag = 77.55 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	70 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	20 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.43	2.0	72.0	1.69	0.097	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	25.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.46	0.
LcA	22.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.42	0.
Es	13.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.42	0.
Aa	13.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.49	0.
Ge	8.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.49	0.
Mo	6.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.10	0.
Ma	4.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Tu	3.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.41	0.
Va	2.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Weight.Av	100.0 %			0.34	0.24	0.00	3.60	0.27	0.42	0.

Land type weighted DTHETA = 0.09

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
277	0.91	0.43	0.09	3.60	0.42	2.0	77.55

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 278

S-GRAPH PARAMETERS

= 1 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.92	39.0	0.426

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.92 mi Av.Slope= 20.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.96 mi

Lag = 92.27 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	60 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	30 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.42	2.0	65.0	1.61	0.090	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	39.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.44	0.
LcA	31.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.40	0.
Mp	8.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.08	0.
GgA	7.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.40	0.
AbA	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	3.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Ge	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.47	0.
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Pa	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Bs	1.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			0.34	0.24	0.00	3.55	0.26	0.39	0.

Land type weighted DTHETA = 0.13

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
278	1.00	0.42	0.13	3.55	0.39	2.0	92.27

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 279

S-GRAPH PARAMETERS

Area = 0.05 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.27	10.0	0.044

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.27 mi Av.Slope= 37.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.12 mi

Lag = 23.74 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	61.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	34.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	5.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.96	0.34	0.42	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
279	0.05	0.50	0.00	3.96	0.42	0.0	23.74

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 279A

S-GRAPH PARAMETERS

= 0.07 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.34	8.5	0.068

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.34 mi Av.Slope= 25.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.17 mi

Lag = 31.73 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	42.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
LcA	27.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	27.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.53	0.26	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
279A	0.07	0.50	0.00	3.53	0.47	0.0	31.73

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 279B

S-GRAPH PARAMETERS

Area = 0.03 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.25	8.0	0.044

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.25 mi Av.Slope= 32.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.13 mi

Lag = 23.97 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	86.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	14.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	3.60	0.27	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
279B	0.03	0.50	0.00	3.60	0.46	0.0	23.97

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 279C

S-GRAPH PARAMETERS

a = 0.05 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.25	7.0	0.047

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.25 mi Av.Slope= 28.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.13 mi

Lag = 24.58 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	32.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Mp	23.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
PeA	17.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
LcA	17.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	11.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.57	0.25	0.37	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
279C	0.05	0.50	0.00	3.57	0.37	0.0	24.58

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 279D

S-GRAPH PARAMETERS

= 0.02 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.20	6.0	0.037

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.20 mi Av.Slope= 30.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.10 mi

Lag = 20.48 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	60.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
LcA	40.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.56	0.26	0.50	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
279D	0.02	0.50	0.00	3.56	0.50	0.0	20.48

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 280

S-GRAPH PARAMETERS

a = 0.61 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.45	36.0	0.291

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.45 mi Av.Slope= 24.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.70 mi

Lag = 94.19 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	24.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Es	16.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
LcA	13.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Lb	11.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
AbA	7.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	5.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Mp	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.62	0.27	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
280	0.61	0.50	0.00	3.62	0.46	0.0	94.19

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 280A

Area = 0.06 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.44	1.0	0.292

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.44 mi Av.Slope= 2.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.15 mi

Lag = 53.16 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Es	28.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	23.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
GgA	19.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	18.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	12.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.68	0.28	0.48	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
280A	0.06	0.50	0.00	3.68	0.48	0.0	53.16

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 281

Area = 0.85 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.27	24.0	0.292

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.27 mi Av.Slope= 18.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.61 mi

Lag = 89.70 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	43.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	21.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
GgA	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Es	7.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Lb	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Mr	2.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
AbA	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.58	0.27	0.48	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
281	0.85	0.50	0.00	3.58	0.48	0.0	89.70

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 282

Area = 0.12 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.45	11.0	0.091

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.45 mi Av.Slope= 24.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 25.0 % of (L)= 0.11 mi

Lag = 30.30 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	42.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	23.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Le	19.0 %	Laveen	Loam	0.34	0.23	0.00	----	0.23	0.43	0.
PeA	11.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Lb	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.58	0.27	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
282	0.12	0.50	0.00	3.58	0.46	0.0	30.30

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 283

Area = 0.16 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.06	13.0	0.303

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.06 mi Av.Slope= 12.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.42 mi

Lag = 79.20 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	97.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	3.52	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
283	0.16	0.50	0.00	3.52	0.47	0.0	79.20

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 284

[illegible] = 0.52 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.98	14.0	0.259

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.98 mi Av.Slope= 14.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.54 mi

Lag = 81.81 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	93.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Mp	3.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Lb	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Weight.Av	100.0 %			----	----	0.00	3.56	0.25	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
284	0.52	0.50	0.00	3.56	0.46	0.0	81.81

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 285

a = 0.04 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.29	8.0	0.055

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.29 mi Av.Slope= 27.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.15 mi

Lag = 27.60 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	100.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
285	0.04	0.50	0.00	3.50	0.47	0.0	27.60

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 285A

S-GRAPH PARAMETERS

= 0.06 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.27	4.0	0.070

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.27 mi Av.Slope= 14.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.14 mi

Lag = 29.41 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	100.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
285A	0.06	0.50	0.00	3.50	0.47	0.0	29.41

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 285B

S-GRAPH PARAMETERS

a = 0.06 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.27	5.0	0.063

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.27 mi Av.Slope= 18.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.14 mi

Lag = 28.19 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	100.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
285B	0.06	0.50	0.00	3.50	0.47	0.0	28.19

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 286

Area = 0.7 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	22.0	0.273

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 18.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.47 mi

Lag = 79.35 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	45.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	24.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Mp	14.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
LcB	11.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
GgB	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
GgA	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	5.06	0.20	0.37	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
286	0.70	0.50	0.00	5.06	0.37	0.0	79.35

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 287

a = 0.23 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.56	9.0	0.140

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.56 mi Av.Slope= 16.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.28 mi

Lag = 50.42 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	32.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	21.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
LcB	16.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
Gt	13.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Mp	12.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
GgB	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
Weight.Av	100.0 %			----	----	0.00	3.77	0.24	0.38	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
287	0.23	0.50	0.00	3.77	0.38	0.0	50.42

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 287A

a = 0.34 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.86	21.0	0.174

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.86 mi Av.Slope= 24.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.34 mi

Lag = 59.28 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	79.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
LcA	10.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Lb	10.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Pa	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	7.63	0.10	0.18	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
287A	0.34	0.50	0.00	7.63	0.18	0.0	59.28

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 287B

S-GRAPH PARAMETERS

a = 0.1 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.47	17.0	0.078

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.47 mi Av.Slope= 36.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.24 mi

Lag = 37.83 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	56.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
GgA	30.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
LcA	14.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	6.82	0.14	0.26	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
287B	0.10	0.50	0.00	6.82	0.26	0.0	37.83

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 287C

Area = 0.23 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.62	18.0	0.115

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.62 mi Av.Slope= 29.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.31 mi

Lag = 48.69 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mr	77.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Mp	19.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Vf	4.0 %	Vecont	Clay	0.18	0.08	0.00	----	0.04	0.08	0.
Weight.Av	100.0 %			----	----	0.00	9.74	0.05	0.09	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
287C	0.23	0.50	0.00	9.74	0.09	0.0	48.69

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 287D

Area = 0.23 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.60	15.0	0.120

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.60 mi Av.Slope= 25.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.30 mi

Lag = 48.86 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Gr	37.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Mr	26.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
LcA	20.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	6.26	0.16	0.30	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
287D	0.23	0.50	0.00	6.26	0.30	0.0	48.86

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 287E

Area = 0.2 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.53	12.0	0.111

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.53 mi Av.Slope= 22.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.26 mi

Lag = 45.31 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	34.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ld	28.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
GgA	24.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	8.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Vh	6.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.
Weight.Av	100.0 %			----	----	0.00	3.69	0.29	0.54	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
287E	0.20	0.50	0.00	3.69	0.54	0.0	45.31

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 288

S-GRAPH PARAMETERS

Area = 0.22 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	19.0	0.294

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 16.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.57 mi

Lag = 87.45 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	75.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
LcA	25.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	7.50	0.10	0.19	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
288	0.22	0.50	0.00	7.50	0.19	0.0	87.45

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 288A

Area = 0.83 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.33	24.0	0.313

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.33 mi Av.Slope= 18.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.64 mi

Lag = 93.72 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	92.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
LcA	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Tu	1.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.
Mr	1.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Ge	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	8.48	0.06	0.12	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
288A	0.83	0.50	0.00	8.48	0.12	0.0	93.72

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 288B

S-GRAPH PARAMETERS

Area = 0.26 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.36	23.0	0.331

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.36 mi Av.Slope= 16.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.65 mi

Lag = 96.50 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	80.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
LcA	14.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Tu	4.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.
Mr	2.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Weight.Av	100.0 %			----	----	0.00	7.90	0.09	0.16	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
288B	0.26	0.50	0.00	7.90	0.16	0.0	96.50

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 289

Area = 1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.89	29.0	0.482

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.89 mi Av.Slope= 15.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.95 mi

Lag = 128.21 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Mp	35.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Mr	30.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Es	18.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gr	7.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Lb	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	2.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	7.20	0.12	0.21	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
289	1.00	0.50	0.00	7.20	0.21	0.0	128.21

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 289A

Area = 0.5 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	22.0	0.253

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 19.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 82.20 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Gr	36.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Es	30.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
LcA	10.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	4.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mr	3.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Weight.Av	100.0 %			----	----	0.00	4.63	0.21	0.39	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
289A	0.50	0.50	0.00	4.63	0.39	0.0	82.20

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 290

S-GRAPH PARAMETERS

Area = 0.55 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	24.0	0.252

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 20.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 20.0 % of (L)= 0.23 mi

Lag = 51.70 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	80 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	20 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.47	0.0	76.0	1.73	0.106	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	30.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.43	0.
Lb	22.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.47	0.
Vh	15.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.84	0.
Es	14.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.43	0.
GxB	9.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	8.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.43	0.
Ge	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.50	0.
Br	1.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
Weight.Av	100.0 %			0.35	----	0.00	4.26	0.39	0.65	0.

Land type weighted DTHETA = 0.07

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
290	0.55	0.47	0.07	4.26	0.65	0.0	51.70

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 291

Area = 0.99 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.33	32.0	0.271

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.33 mi Av.Slope= 24.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.67 mi

Lag = 90.12 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Vh	31.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.
Es	17.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
LcA	16.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	11.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Br	9.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
Mp	3.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Ld	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
Ao	1.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
AbA	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	4.01	0.52	0.94	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
291	0.99	0.50	0.00	4.01	0.94	0.0	90.12

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 292

Area = 0.96 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.36	56.0	0.212

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.36 mi Av.Slope= 41.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.68 mi

Lag = 37.59 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	55 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	30 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
AGR	15 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.30	6.0	39.5	1.33	0.055	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	32.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.33	0.
PeA	18.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Cp	13.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	11.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.33	0.
Aa	8.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.39	0.
TrB	7.0 %	Tremant	Sandy Clay Loam	0.31	0.21	0.00	----	0.27	0.36	0.
Lb	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.36	0.
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
CV	1.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.
Weight.Av	100.0 %			0.35	0.25	0.00	3.78	0.30	0.36	0.

Land type weighted DTHETA = 0.27

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
292	0.96	0.30	0.27	3.78	0.36	6.0	37.59

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 293

Area = 0.77 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.94	37.0	0.150

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.94 mi Av.Slope= 39.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.47 mi

Lag = 52.80 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	75 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	15 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.44	2.0	75.5	1.73	0.101	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	22.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.43	0.
Va	16.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
AbA	15.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mo	9.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.10	0.
Ma	8.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Aa	8.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.50	0.
Bs	7.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Ge	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.50	0.
Mr	4.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.43	0.
Es	1.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.43	0.
Cp	1.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.34	0.24	0.00	3.74	0.29	0.37	0.

Land type weighted DTHETA = 0.07

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
293	0.77	0.44	0.07	3.74	0.37	2.0	52.80

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 293A

Area = 0.07 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.38	4.0	0.117

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.38 mi Av.Slope= 10.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.19 mi

Lag = 40.70 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	57.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
LcA	43.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
293A	0.07	0.50	0.00	3.50	0.47	0.0	40.70

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 294

S-GRAPH PARAMETERS

Area = 0.18 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.71	13.0	0.166

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.71 mi Av.Slope= 18.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.25 mi

Lag = 21.44 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	61.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Es	14.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
PeA	7.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Gt	7.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.16	0.
AbA	7.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mp	2.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.
Lb	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
Weight.Av	100.0 %			0.35	----	----	3.54	0.26	0.28	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
294	0.18	0.35	0.35	3.54	0.28	0.0	21.44

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 294A

Area = 0.26 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.68	11.0	0.169

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.68 mi Av.Slope= 16.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.34 mi

Lag = 24.32 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	51.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
GgA	24.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
LcA	19.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
AbA	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mp	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.
Weight.Av	100.0 %			0.35	----	----	3.58	0.27	0.29	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
294A	0.26	0.35	0.35	3.58	0.29	0.0	24.32

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 295

Area = 0.31 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.89	18.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.89 mi Av.Slope= 20.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.36 mi

Lag = 26.27 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	47.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Lb	21.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
Gt	14.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.16	0.
PeA	10.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
GgA	8.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Weight.Av	100.0 %			0.35	----	----	3.51	0.25	0.28	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
295	0.31	0.35	0.35	3.51	0.28	0.0	26.27

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 295A

Area = 0.06 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.47	14.0	0.086

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.47 mi Av.Slope= 29.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.21 mi

Lag = 14.77 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	85 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	15 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.32	3.0	24.5	1.16	0.047	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	60.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
Lb	40.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.31	0.
Weight.Av	100.0 %			0.35	0.25	----	3.54	0.26	0.30	0.

Land type weighted DTHETA = 0.34

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
295A	0.06	0.32	0.34	3.54	0.30	3.0	14.77

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 296

Area = 0.81 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	22.0	0.213

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 22.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.50 mi

Lag = 71.65 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	95 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	5 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.49	0.0	86.5	1.85	0.117	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	48.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.46	0.
GgA	29.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.46	0.
AbA	8.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mp	7.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
PeB	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Va	1.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Weight.Av	100.0 %			0.34	----	0.00	3.55	0.26	0.43	0.

Land type weighted DTHETA = 0.02

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
296	0.81	0.49	0.02	3.55	0.43	0.0	71.65

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 297

Area = 0.38 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	16.0	0.296

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 14.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.45 mi

Lag = 80.22 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	81.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	19.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
297	0.38	0.50	0.00	3.50	0.47	0.0	80.22

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 297A

Area = 0.27 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.83	19.0	0.173

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.83 mi Av.Slope= 22.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.42 mi

Lag = 63.58 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	72.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	28.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
297A	0.27	0.50	0.00	3.50	0.47	0.0	63.58

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 298

Area = 0.84 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.98	24.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.98 mi Av.Slope= 24.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.49 mi

Lag = 71.22 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	56.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
LcB	32.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
PeB	6.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Gr	4.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Gt	2.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Weight.Av	100.0 %			----	----	0.00	3.53	0.26	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
298	0.84	0.50	0.00	3.53	0.46	0.0	71.22

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 299

Area = 0.4 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.83	10.0	0.239

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.83 mi Av.Slope= 12.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.42 mi

Lag = 71.83 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	66.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	16.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
Lb	13.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Mr	4.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Pa	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	4.62	0.21	0.40	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
299	0.40	0.50	0.00	4.62	0.40	0.0	71.83

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 300

Area = 0.39 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.68	11.0	0.169

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.68 mi Av.Slope= 16.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.34 mi

Lag = 58.37 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	35.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mp	24.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.09	0.
LcA	19.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Mr	18.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
Vf	4.0 %	Vecont	Clay	0.18	0.08	0.00	----	0.04	0.08	0.
Weight.Av	100.0 %			----	----	0.00	6.36	0.16	0.30	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
300	0.39	0.50	0.00	6.36	0.30	0.0	58.37

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 301

Area = 0.3 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.62	11.0	0.147

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.62 mi Av.Slope= 17.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.31 mi

Lag = 17.82 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	50 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
DRL	50 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.24	10.0	35.0	1.28	0.040	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	43.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
Mp	20.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.05	0.06	0.
Gr	18.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.19	0.
LcA	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
Mr	8.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.06	0.
Es	2.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
Weight.Av	100.0 %			0.33	0.22	----	5.79	0.18	0.23	0.

Land type weighted DTHETA = 0.28

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
301	0.30	0.24	0.28	5.79	0.23	10.0	17.82

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 302

A = 0.15 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.65	14.0	0.140

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.65 mi Av.Slope= 21.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.31 mi

Lag = 20.16 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	80 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	20 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.30	4.0	26.0	1.18	0.046	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	47.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
GgA	26.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.29	0.
LcB	20.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.31	0.
RpE	4.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ld	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.31	0.
Weight.Av	100.0 %			0.35	0.25	----	3.54	0.26	0.30	0.

Land type weighted DTHETA = 0.33

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
302	0.15	0.30	0.33	3.54	0.30	4.0	20.16

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 303

= 1.21 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.89	57.0	0.344

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.89 mi Av.Slope= 30.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 1.13 mi

Lag = 50.36 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.4	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
HLC	37.0 %	Harqua	Clay Loam	0.31	0.21	0.00	----	0.25	0.28	0.
AL	29.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.
AGB	16.0 %	Antho	Sandy Loam	0.35	0.26	0.00	----	0.62	0.62	0.
CV	9.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.
PRB	4.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Cp	4.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
AdA	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			0.34	----	----	4.19	0.38	0.39	0.

Land type weighted DTHETA = 0.34

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
303	1.21	0.35	0.34	4.19	0.39	0.4	50.36

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 303A

A = 0.42 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.06	51.0	0.153

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.06 mi Av.Slope= 48.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.42 mi

Lag = 25.45 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.1	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
CV	67.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.
PRB	25.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
AL	8.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.42	0.42	2.
Weight.Av	100.0 %			0.35	----	----	4.08	0.36	0.36	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
303A	0.42	0.35	0.35	4.08	0.36	0.1	25.45

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 304

Area = 1.1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.33	59.0	0.200

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.33 mi Av.Slope= 44.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.53 mi

Lag = 30.71 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
CV	55.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.34	0.34	0.
PRB	26.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Cp	14.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Pa	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
AbA	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.35	----	----	4.09	0.36	0.36	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
304	1.10	0.35	0.35	4.09	0.36	0.0	30.71

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 305

Area = 0.92 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	43.0	0.181

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 38.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 72.37 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Cp	80.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
AbA	16.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	4.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	4.25	0.39	0.39	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
305	0.92	0.50	0.00	4.25	0.39	0.0	72.37

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 306

Area = 0.49 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.92	26.0	0.173

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.92 mi Av.Slope= 28.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.46 mi

Lag = 66.06 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	59.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cp	19.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	18.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
CrB	3.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.40	0.40	0.
Aa	1.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	3.67	0.28	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
306	0.49	0.50	0.00	3.67	0.46	0.0	66.06

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 307

Area = 0.21 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.59	18.0	0.107

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.59 mi Av.Slope= 30.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.24 mi

Lag = 42.67 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	70.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	18.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cp	12.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.59	0.27	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
307	0.21	0.50	0.00	3.59	0.46	0.0	42.67

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 308

Area = 0.32 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.74	24.0	0.130

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.74 mi Av.Slope= 32.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.41 mi

Lag = 56.55 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	91.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
308	0.32	0.50	0.00	3.50	0.47	0.0	56.55

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 309

Area = 1.07 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.27	38.0	0.232

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.27 mi Av.Slope= 29.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.64 mi

Lag = 83.48 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	50.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	23.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	10.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
AbA	6.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Mo	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Lb	3.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Mr	2.0 %	Mohall	Clay Loam	0.25	0.15	0.00	----	0.05	0.09	0.
RbA	1.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Cp	1.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.57	0.26	0.44	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
309	1.07	0.50	0.00	3.57	0.44	0.0	83.48

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 310

Area = 0.19 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.65	17.0	0.127

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.65 mi Av.Slope= 26.2 ft/mi

Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.26 mi

Lag = 47.29 min

Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	26.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
LcA	21.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	18.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
PeB	13.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcB	11.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
GgA	11.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.76	0.30	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
310	0.19	0.50	0.00	3.76	0.46	0.0	47.29

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 311

S-GRAPH PARAMETERS

Area = 0.73 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.30	39.0	0.237

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.30 mi Av.Slope= 30.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.78 mi

Lag = 91.03 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
PeA	35.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
LcA	31.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Lb	16.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
GgA	14.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	3.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
AbA	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.75	0.30	0.44	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
311	0.73	0.50	0.00	3.75	0.44	0.0	91.03

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 311A

Area = 0.31 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	29.0	0.186

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 29.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.40 mi

Lag = 64.34 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	74.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	22.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
PeA	4.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	4.09	0.23	0.42	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
311A	0.31	0.50	0.00	4.09	0.42	0.0	64.34

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 312

Area = 0.66 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.09	31.0	0.204

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.09 mi Av.Slope= 28.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.65 mi

Lag = 80.43 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	48.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	25.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	15.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
PeB	7.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
GgB	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
Weight.Av	100.0 %			----	----	0.00	3.60	0.25	0.44	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
312	0.66	0.50	0.00	3.60	0.44	0.0	80.43

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 313

S-GRAPH PARAMETERS

Area = 0.43 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	24.0	0.262

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 20.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 84.96 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	96.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Lb	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
313	0.43	0.50	0.00	3.50	0.47	0.0	84.96

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 314

Area = 0.42 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	19.0	0.240

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 18.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.41 mi

Lag = 71.71 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	96.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Lb	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
314	0.42	0.50	0.00	3.50	0.47	0.0	71.71

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 315

Area = 0.47 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	25.0	0.256

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 21.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.65 mi

Lag = 87.41 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	97.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gr	2.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
GgA	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.56	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
315	0.47	0.50	0.00	3.56	0.47	0.0	87.41

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 316

Area = 0.82 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	27.0	0.237

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 23.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.63 mi

Lag = 84.06 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	55.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeB	22.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Gt	17.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
LcB	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
Weight.Av	100.0 %			----	----	0.00	3.57	0.26	0.42	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
316	0.82	0.50	0.00	3.57	0.42	0.0	84.06

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 317

Area = 0.57 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	20.0	0.276

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 17.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.58 mi

Lag = 85.83 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	76.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	21.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	3.52	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
317	0.57	0.50	0.00	3.52	0.47	0.0	85.83

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 318

Area = 0.62 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	18.0	0.279

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 16.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.62 mi

Lag = 48.70 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	60 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
AGR	40 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.27	12.0	66.0	1.63	0.066	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	58.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
GgA	33.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.41	0.
Vf	5.0 %	Vecont	Clay	0.18	0.08	0.00	----	0.04	0.07	0.
RbA	2.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
PeA	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Pa	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	0.24	0.00	3.66	0.24	0.39	0.

Land type weighted DTHETA = 0.14

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
318	0.62	0.27	0.14	3.66	0.39	12.0	48.70

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 319

Area = 0.54 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	19.0	0.272

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 17.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 40.15 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	70 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
AGR	30 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.23	14.0	62.0	1.58	0.057	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	66.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.40	0.
LcA	34.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.40	0.
Weight.Av	100.0 %			----	0.25	0.00	3.50	0.25	0.40	0.

Land type weighted DTHETA = 0.18

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
319	0.54	0.23	0.18	3.50	0.40	14.0	40.15

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 320

a = 0.64 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.45	14.0	0.467

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.45 mi Av.Slope= 9.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.58 mi

Lag = 34.18 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	50 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
DRL	45 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
COM	5 %	Commercial	0.06	90.0	10.0	1.00	0.03	Dry
Weight.Av	100 %		0.22	14.5	34.5	1.27	0.039	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	33.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
GgA	19.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
Vh	13.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.35	0.
LcB	11.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.33	0.
Ma	8.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
RpE	6.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ge	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.37	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
AbB	2.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Vg	1.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.36	0.
Weight.Av	100.0 %			0.35	0.26	----	4.27	0.39	0.48	0.

Land type weighted DTHETA = 0.30

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
320	0.64	0.22	0.30	4.27	0.48	14.5	34.18

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 321

A = 0.66 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.89	41.0	0.131

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.89 mi Av.Slope= 46.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 30.0 % of (L)= 0.27 mi

Lag = 20.14 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Cp	69.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
AbA	13.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
AdA	12.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Pa	4.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Lb	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
Weight.Av	100.0 %			0.35	----	----	4.24	0.39	0.39	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
321	0.66	0.35	0.35	4.24	0.39	0.0	20.14

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 322

Area = 0.34 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	22.0	0.223

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 21.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.36 mi

Lag = 66.29 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Cp	44.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
AbA	19.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	17.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Lb	12.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
LcA	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	4.13	0.37	0.41	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
322	0.34	0.50	0.00	4.13	0.41	0.0	66.29

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 323

Area = 0.15 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.56	6.0	0.171

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.56 mi Av.Slope= 10.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.28 mi

Lag = 29.05 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	80 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
AGR	20 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.38	0.0	34.0	1.27	0.064	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Cp	58.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	27.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
Lb	15.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.34	0.
Weight.Av	100.0 %			0.35	----	0.00	3.95	0.33	0.36	0.

Land type weighted DTHETA = 0.28

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
323	0.15	0.38	0.28	3.95	0.36	0.0	29.05

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 324

Area = 0.36 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.86	33.0	0.139

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.86 mi Av.Slope= 38.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.52 mi

Lag = 63.46 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Cp	40.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Lb	31.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
LcA	20.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	8.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	1.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	3.90	0.32	0.44	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
324	0.36	0.50	0.00	3.90	0.44	0.0	63.46

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 325

Area = 0.49 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.30	44.0	0.223

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.30 mi Av.Slope= 33.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.78 mi

Lag = 88.97 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Cp	55.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
AbA	26.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Lb	10.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
LcA	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	4.12	0.37	0.41	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
325	0.49	0.50	0.00	4.12	0.41	0.0	88.97

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 325A

Area = 0.61 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	42.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 35.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 76.39 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	61.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Cp	23.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
AbA	5.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	3.84	0.31	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
325A	0.61	0.50	0.00	3.84	0.47	0.0	76.39

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 326

Area = 0.54 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	41.0	0.185

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 36.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 73.03 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	44.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	30.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cp	26.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.69	0.29	0.45	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
326	0.54	0.50	0.00	3.69	0.45	0.0	73.03

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 327

Area = 0.53 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.09	42.0	0.176

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.09 mi Av.Slope= 38.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.55 mi

Lag = 70.84 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	60.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	40.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
327	0.53	0.50	0.00	3.50	0.47	0.0	70.84

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 328

Area = 0.76 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	33.0	0.223

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 28.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 68.31 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	75 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	25 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	72.5	1.70	0.103	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	50.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.42	0.
GgA	42.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.42	0.
PeB	8.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.35	----	0.00	3.56	0.26	0.42	0.

Land type weighted DTHETA = 0.09

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
328	0.76	0.46	0.09	3.56	0.42	0.0	68.31

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 329

Area = 0.63 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	40.0	0.187

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 35.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.50 mi

Lag = 58.45 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	75 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	10 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
RES	15 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.43	3.0	77.0	1.75	0.100	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcB	36.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.45	0.
LcA	33.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.44	0.
GgA	17.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.44	0.
PeB	14.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.35	0.25	0.00	3.62	0.27	0.44	0.

Land type weighted DTHETA = 0.07

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
329	0.63	0.43	0.07	3.62	0.44	3.0	58.45

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 330

Area = 0.59 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	41.0	0.200

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 34.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 59.47 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	70 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	30 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.39	6.0	78.0	1.76	0.093	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	67.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.44	0.
GgA	21.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.44	0.
PeA	8.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Cp	3.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	1.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	0.25	0.00	3.59	0.27	0.43	0.

Land type weighted DTHETA = 0.08

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
330	0.59	0.39	0.08	3.59	0.43	6.0	59.47

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 331

Area = 0.75 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.27	38.0	0.232

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.27 mi Av.Slope= 29.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.64 mi

Lag = 77.22 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	90 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.46	2.0	86.0	1.85	0.111	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	47.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.46	0.
LcA	19.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.46	0.
LcB	13.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.48	0.
GgB	10.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.26	0.48	0.
Gt	4.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Bs	3.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
PeB	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Aa	1.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.54	0.
Weight.Av	100.0 %			----	0.25	0.00	3.55	0.26	0.46	0.

Land type weighted DTHETA = 0.02

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
331	0.75	0.46	0.02	3.55	0.46	2.0	77.22

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 332

Area = 0.56 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.33	33.0	0.267

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.33 mi Av.Slope= 24.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.67 mi

Lag = 82.88 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	90 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.46	2.0	86.0	1.85	0.111	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	65.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.46	0.
PeA	17.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
GgA	11.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.46	0.
PeB	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcB	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.48	0.
GxA	2.0 %	Gunsight	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	0.25	0.00	3.66	0.28	0.44	0.

Land type weighted DTHETA = 0.03

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
332	0.56	0.46	0.03	3.66	0.44	2.0	82.88

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 333

Area = 0.58 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	23.0	0.247

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 20.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.45 mi

Lag = 74.88 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	100.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
333	0.58	0.50	0.00	3.50	0.47	0.0	74.88

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 334

S-GRAPH PARAMETERS

a = 0.64 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.97	21.0	0.208

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.97 mi Av.Slope= 21.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.49 mi

Lag = 72.34 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	75.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	11.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
PeB	9.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Gr	4.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
PeA	1.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	3.57	0.25	0.43	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
334	0.64	0.50	0.00	3.57	0.43	0.0	72.34

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 335

S-GRAPH PARAMETERS

= 0.35 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.95	28.0	0.175

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.95 mi Av.Slope= 29.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.43 mi

Lag = 64.51 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	66.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ao	16.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
PeA	9.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Gt	9.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Weight.Av	100.0 %			----	----	0.00	4.39	0.22	0.39	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
335	0.35	0.50	0.00	4.39	0.39	0.0	64.51

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 336

= 1.28 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
2.28	47.0	0.502

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.28 mi Av.Slope= 20.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 1.37 mi

Lag = 132.97 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	85 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
COM	15 %	Commercial	0.06	90.0	10.0	1.00	0.03	Dry
Weight.Av	100 %		0.43	13.5	78.0	1.76	0.106	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	81.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.44	0.
GgA	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.44	0.
Ge	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.51	0.
PeB	3.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ao	2.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Gt	1.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.25	0.
Weight.Av	100.0 %			0.35	----	0.00	3.50	0.25	0.43	0.

Land type weighted DTHETA = 0.05

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
336	1.28	0.43	0.05	3.50	0.43	13.5	132.97

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 336A

= 0.37 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
2.13	44.0	0.469

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 2.13 mi Av.Slope= 20.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 1.07 mi

Lag = 136.01 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	110 %		0.51	2.0	95.0	2.04	0.123	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	25.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	21.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Lb	19.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.55	0.
Ge	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.59	0.
LcA	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.51	0.
GgA	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.51	0.
Es	5.0 %	Estrella	Loam	0.35	0.25	0.00	----	0.25	0.51	0.
Mo	4.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.12	0.
RbA	3.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Cp	3.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Tu	1.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.49	0.
Weight.Av	100.0 %			----	0.25	0.00	3.86	0.32	0.44	0.

Land type weighted DTHETA = 0.02

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
336A	0.37	0.51	0.02	3.86	0.44	2.0	136.01

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 336B

= 0.08 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.38	22.0	0.050

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.38 mi Av.Slope= 57.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 25.0 % of (L)= 0.10 mi

Lag = 9.43 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
PeB	75.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	20.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Ge	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.32	0.
Weight.Av	100.0 %			0.35	----	----	4.07	0.36	0.36	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
336B	0.08	0.35	0.35	4.07	0.36	0.0	9.43

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 337

S-GRAPH PARAMETERS

a = 0.49 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	10.0	0.316

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 10.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.40 mi

Lag = 24.29 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	50 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
DRL	35 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
COM	15 %	Commercial	0.06	90.0	10.0	1.00	0.03	Dry
Weight.Av	100 %		0.19	23.5	33.5	1.26	0.037	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	33.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
LcA	27.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.32	0.
Ge	26.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.37	0.
Va	8.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Gt	4.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.18	0.
AbA	2.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			0.35	0.25	----	3.60	0.27	0.33	0.

Land type weighted DTHETA = 0.30

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
337	0.49	0.19	0.30	3.60	0.33	23.5	24.29

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 338

S-GRAPH PARAMETERS

a = 0.31 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.83	17.0	0.183

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.83 mi Av.Slope= 20.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 25.0 % of (L)= 0.21 mi

Lag = 46.99 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	90 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	10 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.49	0.0	83.0	1.81	0.113	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	23.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Cp	18.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Vh	15.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.92	0.
GgA	15.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.45	0.
Ld	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.47	0.
Ge	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.53	0.
Ma	5.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Lb	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.49	0.
RpE	3.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Vg	1.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.94	0.
Weight.Av	100.0 %			0.35	----	0.00	4.17	0.45	0.67	0.

Land type weighted DTHETA = 0.03

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
338	0.31	0.49	0.03	4.17	0.67	0.0	46.99

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 338A

S-GRAPH PARAMETERS

a = 0.77 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.27	23.0	0.298

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.27 mi Av.Slope= 18.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.57 mi

Lag = 31.99 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
RES	50 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
DRL	45 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
AGR	5 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.24	10.0	38.5	1.32	0.043	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Vg	24.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.41	0.
AbA	19.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	13.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.33	0.
Ma	7.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
PeA	6.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Br	6.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
RpE	5.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Lb	5.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.36	0.
GgA	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.33	0.
Cb	4.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.48	0.
Vh	3.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.40	0.
Aa	3.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.38	0.
Ld	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.34	0.
Weight.Av	100.0 %			0.35	0.26	0.00	3.88	0.58	0.70	0.

Land type weighted DTHETA = 0.29

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
338A	0.77	0.24	0.29	3.88	0.70	10.0	31.99

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 339

Area = 1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.41	60.0	0.216

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.41 mi Av.Slope= 42.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.71 mi

Lag = 84.54 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	30.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Cp	25.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	14.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	9.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Lb	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Ma	8.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Pa	5.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	4.08	0.36	0.41	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
339	1.00	0.50	0.00	4.08	0.41	0.0	84.54

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 340

Area = 0.48 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	49.0	0.169

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 43.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 70.59 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Pa	25.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Lb	25.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
AbA	24.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
PeA	8.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Ma	7.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Cp	6.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	1.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	4.06	0.36	0.42	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
340	0.48	0.50	0.00	4.06	0.42	0.0	70.59

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 341

S-GRAPH PARAMETERS

= 0.79 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	46.0	0.204

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 37.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.62 mi

Lag = 78.70 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Lb	63.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
PeA	17.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
GgA	10.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cp	6.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.77	0.30	0.48	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
341	0.79	0.50	0.00	3.77	0.48	0.0	78.70

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 342

Area = 0.39 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	41.0	0.156

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 41.0 ft/mi

Lca = 40.0 % of (L)= 0.40 mi

Av.slope =(SUM(Li)/I)^2

Lag = 60.24 min

Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
PeA	79.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
AbA	10.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Lb	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
GgA	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	4.13	0.37	0.39	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
342	0.39	0.50	0.00	4.13	0.39	0.0	60.24

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 342A

Area = 0.38 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	43.0	0.195

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 36.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.71 mi

Lag = 81.50 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	44.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	36.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	20.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	3.64	0.28	0.45	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
342A	0.38	0.50	0.00	3.64	0.45	0.0	81.50

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 343

Area = 0.51 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.27	40.0	0.226

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.27 mi Av.Slope= 31.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 48.0 % of (L)= 0.61 mi

Lag = 81.40 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	38.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
LcA	36.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	26.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	3.68	0.28	0.45	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
343	0.51	0.50	0.00	3.68	0.45	0.0	81.40

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 344

a = 0.61 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.30	36.0	0.247

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.30 mi Av.Slope= 27.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.78 mi

Lag = 92.43 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	72.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
LcA	23.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeB	5.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	3.54	0.26	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
344	0.61	0.50	0.00	3.54	0.47	0.0	92.43

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 345

Area = 0.43 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	42.0	0.198

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 35.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.53 mi

Lag = 73.39 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	61.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeB	27.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgB	12.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
Weight.Av	100.0 %			----	----	0.00	3.71	0.29	0.45	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
345	0.43	0.50	0.00	3.71	0.45	0.0	73.39

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 346

Area = 0.51 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	49.0	0.169

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 43.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.56 mi

Lag = 56.18 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	65 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	35 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.45	0.0	65.5	1.62	0.095	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	41.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.40	0.
PeA	11.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Ge	11.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.47	0.
PeB	9.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
AbA	8.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.40	0.
PsA	6.0 %	Pinal	Loam	0.35	0.25	0.00	----	0.25	0.40	0.
LcB	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.42	0.
Bs	1.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			0.35	----	0.00	3.74	0.30	0.41	0.

Land type weighted DTHETA = 0.12

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
346	0.51	0.45	0.12	3.74	0.41	0.0	56.18

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 346A

Area = 0.16 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	32.0	0.185

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 31.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.57 mi

Lag = 73.30 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	65.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cp	21.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Aa	8.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
LcA	6.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.67	0.28	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
346A	0.16	0.50	0.00	3.67	0.46	0.0	73.30

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 346B

Area = 0.27 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.21	37.0	0.219

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.21 mi Av.Slope= 30.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 65.0 % of (L)= 0.79 mi

Lag = 88.54 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	37.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Aa	22.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
PeA	12.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
AbA	12.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
LcA	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cp	4.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Pa	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Gh	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.83	0.31	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
346B	0.27	0.50	0.00	3.83	0.46	0.0	88.54

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 346C

Area = 0.12 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.48	12.0	0.096

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.48 mi Av.Slope= 25.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.19 mi

Lag = 37.88 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	50.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Aa	35.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Gh	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	6.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.64	0.28	0.50	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
346C	0.12	0.50	0.00	3.64	0.50	0.0	37.88

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 347

Area = 1.02 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.24	36.0	0.230

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.24 mi Av.Slope= 29.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.62 mi

Lag = 76.27 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	90 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.46	2.0	86.0	1.85	0.111	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	56.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.46	0.
Cp	16.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	11.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Ta	9.0 %	Toltec	Loam	0.35	0.25	0.00	----	0.25	0.46	0.
LcA	4.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.46	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Br	2.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
Weight.Av	100.0 %			----	0.25	0.00	3.76	0.30	0.44	0.

Land type weighted DTHETA = 0.03

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
347	1.02	0.46	0.03	3.76	0.44	2.0	76.27

WHITE TANKS/AGUA FRIA ADMS

BASIN # : 348

S-GRAPH PARAMETERS

Area = 0.34 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.98	46.0	0.143

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.98 mi Av.Slope= 46.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.39 mi

Lag = 57.82 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	53.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	14.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cp	14.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
PeB	11.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Gr	2.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	3.70	0.29	0.45	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
348	0.34	0.50	0.00	3.70	0.45	0.0	57.82

WHITE TANKS/AGUA FRIA ADMS

BASIN # : 348A

S-GRAPH PARAMETERS

Area = 0.22 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.51	13.0	0.101

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.51 mi Av.Slope= 25.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.26 mi

Lag = 43.02 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	67.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	15.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	9.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
RbA	8.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
LcB	1.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.49	0.
Weight.Av	100.0 %			----	----	0.00	3.62	0.27	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
348A	0.22	0.50	0.00	3.62	0.46	0.0	43.02

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 348B

Area = 0.66 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.65	44.0	0.320

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.65 mi Av.Slope= 26.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.74 mi

Lag = 94.19 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	90 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	10 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.49	0.0	83.0	1.81	0.113	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	67.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.45	0.
LcB	11.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.26	0.47	0.
PeA	6.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
GgA	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.45	0.
Aa	5.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.53	0.
RbA	4.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
RbB	1.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Ge	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.53	0.
Weight.Av	100.0 %			0.35	----	0.00	3.59	0.27	0.45	0.

Land type weighted DTHETA = 0.04

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
348B	0.66	0.49	0.04	3.59	0.45	0.0	94.19

WHITE TANKS/AGUA FRIA ADMS

BASIN # : 349

S-GRAPH PARAMETERS

Area = 0.93 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	35.0	0.200

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 31.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.50 mi

Lag = 72.30 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
LcA	37.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
GgA	21.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	20.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	12.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Cp	8.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
PeA	2.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	3.82	0.31	0.44	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
349	0.93	0.50	0.00	3.82	0.44	0.0	72.30

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 350

Area = 0.19 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	12.0	0.342

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 10.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 52.0 % of (L)= 0.58 mi

Lag = 93.61 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	91.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ma	9.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	3.57	0.26	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
350	0.19	0.50	0.00	3.57	0.47	0.0	93.61

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 351

Area = 0.76 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	35.0	0.169

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 35.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.40 mi

Lag = 62.08 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	47.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	23.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
AbA	21.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
LcA	8.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ma	1.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	3.82	0.31	0.43	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
351	0.76	0.50	0.00	3.82	0.43	0.0	62.08

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 352

Area = 0.18 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.59	6.0	0.185

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.59 mi Av.Slope= 10.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.29 mi

Lag = 57.23 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	92.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ma	8.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	3.56	0.26	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
352	0.18	0.50	0.00	3.56	0.47	0.0	57.23

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 352A

a = 0.13 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.83	5.0	0.338

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.83 mi Av.Slope= 6.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.33 mi

Lag = 75.27 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	48.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	24.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	22.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Ao	6.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Weight.Av	100.0 %			----	----	0.00	3.79	0.31	0.42	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
352A	0.13	0.50	0.00	3.79	0.42	0.0	75.27

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 353

S-GRAPH PARAMETERS

a = 0.22 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.74	25.0	0.127

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.74 mi Av.Slope= 33.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.44 mi

Lag = 58.00 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	62.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
AbA	31.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Ma	7.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			----	----	0.00	3.79	0.30	0.44	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
353	0.22	0.50	0.00	3.79	0.44	0.0	58.00

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 354

S-GRAPH PARAMETERS

a = 0.31 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.65	22.0	0.112

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.65 mi Av.Slope= 33.8 ft/mi

Lca = 40.0 % of (L)= 0.26 mi

Av.slope =(SUM(Li)/I)^2

Lag = 45.03 min

Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	80.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
PeA	20.0 %	Perryville	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Weight.Av	100.0 %			----	----	0.00	3.64	0.28	0.45	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
354	0.31	0.50	0.00	3.64	0.45	0.0	45.03

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 355

S-GRAPH PARAMETERS

Area = 0.1 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.65	3.0	0.303

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.65 mi Av.Slope= 4.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.26 mi

Lag = 65.76 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ao	57.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
GgA	43.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	6.75	0.14	0.27	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
355	0.10	0.50	0.00	6.75	0.27	0.0	65.76

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 355A

a = 0.04 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.35	2.0	0.146

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.35 mi Av.Slope= 5.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.12 mi

Lag = 37.49 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	89.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	11.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Weight.Av	100.0 %			----	----	0.00	3.88	0.24	0.45	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
355A	0.04	0.50	0.00	3.88	0.45	0.0	37.49

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 356

S-GRAPH PARAMETERS

a = 0.35 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.68	14.0	0.150

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.68 mi Av.Slope= 20.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 30.0 % of (L)= 0.20 mi

Lag = 45.92 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	100.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
356	0.35	0.50	0.00	3.50	0.47	0.0	45.92

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 357

Area = 0.14 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.59	15.0	0.117

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.59 mi Av.Slope= 25.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 53.0 % of (L)= 0.31 mi

Lag = 49.16 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	96.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gh	4.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	3.50	0.25	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
357	0.14	0.50	0.00	3.50	0.47	0.0	49.16

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 358

Area = 0.19 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.86	5.0	0.357

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.86 mi Av.Slope= 5.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.43 mi

Lag = 84.75 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	83.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ao	17.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Weight.Av	100.0 %			----	----	0.00	4.50	0.22	0.41	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
358	0.19	0.50	0.00	4.50	0.41	0.0	84.75

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 359

Area = 0.1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.55	12.0	0.118

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.55 mi Av.Slope= 21.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.22 mi

Lag = 43.11 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	83.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gh	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	4.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			----	----	0.00	3.54	0.26	0.47	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
359	0.10	0.50	0.00	3.54	0.47	0.0	43.11

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 360

Area = 0.25 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.36	16.0	0.397

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.36 mi Av.Slope= 11.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 30.0 % of (L)= 0.41 mi

Lag = 73.87 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	75 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
DRL	25 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.46	0.0	72.5	1.70	0.103	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Gh	51.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.42	0.
Ao	24.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.10	0.
Gt	16.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.24	0.
GgA	7.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.42	0.
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.49	0.
Weight.Av	100.0 %			0.33	----	0.00	5.43	0.19	0.32	0.

Land type weighted DTHETA = 0.08

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
360	0.25	0.46	0.08	5.43	0.32	0.0	73.87

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 361

A = 0.21 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	16.0	0.250

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 16.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.60 mi

Lag = 84.03 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ge	34.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Ao	22.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Gt	14.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Gh	14.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cn	8.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
GgA	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	5.10	0.20	0.35	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
361	0.21	0.50	0.00	5.10	0.35	0.0	84.03

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 362

= 0.42 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.74	8.0	0.225

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.74 mi Av.Slope= 10.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.30 mi

Lag = 61.73 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	49.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gr	30.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Gh	10.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	10.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Cn	1.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	4.38	0.22	0.42	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
362	0.42	0.50	0.00	4.38	0.42	0.0	61.73

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 363

Area = 0.63 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.12	16.0	0.296

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.12 mi Av.Slope= 14.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.62 mi

Lag = 90.54 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	87.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gr	8.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Gh	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Aa	2.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Ge	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	3.71	0.24	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
363	0.63	0.50	0.00	3.71	0.46	0.0	90.54

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 364

Area = 0.78 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	20.0	0.234

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 19.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.41 mi

Lag = 71.01 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	76.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gr	18.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Gu	2.0 %	Glenbar	Silty Loam	0.37	0.23	0.00	----	0.14	0.26	0.
Ao	2.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Ge	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Aa	1.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Weight.Av	100.0 %			----	----	0.00	4.22	0.23	0.43	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
364	0.78	0.50	0.00	4.22	0.43	0.0	71.01

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 364A

Area = 0.07 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.77	19.0	0.155

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.77 mi Av.Slope= 24.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.39 mi

Lag = 24.67 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	100.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Weight.Av	100.0 %			0.35	----	----	3.50	0.25	0.28	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
364A	0.07	0.35	0.35	3.50	0.28	0.0	24.67

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 365

Area = 0.38 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.86	35.0	0.135

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.86 mi Av.Slope= 40.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.43 mi

Lag = 58.55 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbB	23.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Cp	17.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
GgA	15.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Vh	11.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.
Gr	10.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
AbA	7.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Vg	5.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	2.02	0.
Cb	4.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	2.12	0.
Lb	2.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Ge	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Bs	2.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
RbA	1.0 %	Rillito	Sandy Loam	0.35	0.25	0.00	----	0.38	0.38	0.
Br	1.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
Weight.Av	100.0 %			----	----	0.00	4.11	0.48	0.73	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
365	0.38	0.50	0.00	4.11	0.73	0.0	58.55

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 366

= 0.44 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.09	35.0	0.192

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.09 mi Av.Slope= 32.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.55 mi

Lag = 73.34 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
AbA	42.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Va	12.0 %	Valencia	Sandy Loam	0.35	0.25	0.00	----	0.37	0.37	0.
Cp	11.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Lb	9.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.51	0.
Ge	9.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Vg	8.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	2.02	0.
Bs	7.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Tu	1.0 %	Tucson	Loam	0.35	0.25	0.00	----	0.24	0.45	0.
Mo	1.0 %	Mohall	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Weight.Av	100.0 %			----	----	0.00	4.25	0.42	0.55	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
366	0.44	0.50	0.00	4.25	0.55	0.0	73.34

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 367

S-GRAPH PARAMETERS

= 0.15 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.50	29.0	0.066

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.50 mi Av.Slope= 58.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.25 mi

Lag = 15.10 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ge	26.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.32	0.
Bs	26.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
AbA	19.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Cb	11.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.24	0.
Lb	7.0 %	Laveen	Loam	0.35	0.25	0.00	----	0.27	0.30	0.
Cp	4.0 %	Coolidge	Sandy loam	0.35	0.25	0.00	----	0.39	0.39	0.
Aa	4.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.32	0.
GgA	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
Weight.Av	100.0 %			0.35	----	----	4.19	0.45	0.47	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
367	0.15	0.35	0.35	4.19	0.47	0.0	15.10

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 368

● = 0.83 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.54	21.0	0.417

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.54 mi Av.Slope= 13.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.77 mi

Lag = 112.22 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	22.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ge	21.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Gr	18.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Vh	10.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.
Ma	8.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Aa	7.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Bs	5.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Br	4.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
An	2.0 %	Avonda	Clay Loam	0.27	0.17	0.00	----	0.07	0.13	0.
Gt	1.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Bt	1.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.50	0.50	0.
AbB	1.0 %	Antho	Sandy Loam	0.35	0.25	0.00	----	0.39	0.39	0.
Weight.Av	100.0 %			----	----	0.00	4.07	0.36	0.60	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
368	0.83	0.50	0.00	4.07	0.60	0.0	112.22

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 369

S-GRAPH PARAMETERS

A = 0.15 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.68	11.0	0.169

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.68 mi Av.Slope= 16.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.34 mi

Lag = 24.32 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Vh	33.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	1.18	0.
Vg	31.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.19	0.
Br	9.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
GgA	8.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.28	0.
CF	7.0 %	Carrizo	Loamy Sand	0.35	0.28	0.00	----	0.92	1.02	0.
Aa	5.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.32	0.
Vk	4.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.03	1.14	0.
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Weight.Av	100.0 %			0.35	----	----	3.16	0.88	0.97	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
369	0.15	0.35	0.35	3.16	0.97	0.0	24.32

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 370

Area = 0.07 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.74	11.0	0.192

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.74 mi Av.Slope= 14.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 60.0 % of (L)= 0.44 mi

Lag = 28.24 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
DRL	100 %	Desert range,Flat slopes	0.35	50%Rock-	20.0	1.11	0.05	Dry
Weight.Av	100 %		0.35	0.0	20.0	1.11	0.050	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Br	45.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
Vg	27.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	1.19	0.
Cb	18.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	1.24	0.
Bs	10.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Weight.Av	100.0 %			0.35	----	----	3.42	0.77	0.82	0.

Land type weighted DTHETA = 0.35

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
370	0.07	0.35	0.35	3.42	0.82	0.0	28.24

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 371

Area = 0.93 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.65	27.0	0.408

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.65 mi Av.Slope= 16.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.83 mi

Lag = 114.24 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	42.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ao	28.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Gt	26.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Cn	1.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	5.97	0.17	0.31	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
371	0.93	0.50	0.00	5.97	0.31	0.0	114.24

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 372

Area = 1.62 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.63	19.0	0.477

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.63 mi Av.Slope= 11.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.82 mi

Lag = 120.72 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ma	42.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Ao	28.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
GgA	26.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ma	3.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Cn	1.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	3.56	0.26	0.33	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
372	1.62	0.50	0.00	3.56	0.33	0.0	120.72

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 373

Area = 0.43 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.68	13.0	0.156

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.68 mi Av.Slope= 19.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.34 mi

Lag = 56.54 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	67.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ao	30.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Gt	3.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Weight.Av	100.0 %			----	----	0.00	5.37	0.19	0.36	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
373	0.43	0.50	0.00	5.37	0.36	0.0	56.54

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 374

Area = 0.76 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	9.0	0.427

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 7.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.59 mi

Lag = 102.36 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ao	45.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Gt	25.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
GgA	20.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gh	8.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cn	2.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	6.92	0.13	0.25	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
374	0.76	0.50	0.00	6.92	0.25	0.0	102.36

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 375

A = 0.41 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.18	10.0	0.405

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.18 mi Av.Slope= 8.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.53 mi

Lag = 96.39 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ao	60.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
GgA	32.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gh	5.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cn	3.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	6.98	0.13	0.24	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
375	0.41	0.50	0.00	6.98	0.24	0.0	96.39

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 376

A = 0.42 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.89	10.0	0.266

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.89 mi Av.Slope= 11.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.36 mi

Lag = 70.51 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ao	56.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
GgA	36.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	7.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Cn	1.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	6.90	0.13	0.25	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
376	0.42	0.50	0.00	6.90	0.25	0.0	70.51

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 377

= 0.09 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.32	5.0	0.081

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.32 mi Av.Slope= 15.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.16 mi

Lag = 33.13 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	61.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ao	33.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Gt	3.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Cn	3.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	5.76	0.18	0.33	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
377	0.09	0.50	0.00	5.76	0.33	0.0	33.13

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 377A

= 0.27 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.00	20.0	0.224

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.00 mi Av.Slope= 20.0 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.45 mi

Lag = 72.21 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	44.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Bs	24.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
Ma	7.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Gt	6.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Gh	6.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ao	5.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
An	5.0 %	Avonda	Clay Loam	0.27	0.17	0.00	----	0.07	0.13	0.
Vh	3.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.
Weight.Av	100.0 %			----	----	0.00	3.82	0.31	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
377A	0.27	0.50	0.00	3.82	0.46	0.0	72.21

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 377B

A = 0.12 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.15	5.0	0.552

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.15 mi Av.Slope= 4.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 70.0 % of (L)= 0.81 mi

Lag = 107.88 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	80 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	20 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.42	4.0	82.0	1.80	0.102	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	100.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.45	0.
Weight.Av	100.0 %			----	0.25	0.00	3.50	0.25	0.45	0.

Land type weighted DTHETA = 0.05

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
377B	0.12	0.42	0.05	3.50	0.45	4.0	107.88

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 378

S-GRAPH PARAMETERS

= 0.78 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	20.0	0.378

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 14.1 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.64 mi

Lag = 100.75 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Bs	20.0 %	Brios	Sandy Loam	0.35	0.25	0.00	----	0.46	0.46	0.
An	20.0 %	Avonda	Clay Loam	0.27	0.17	0.00	----	0.07	0.13	0.
Vh	12.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.06	2.00	0.
GgA	11.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
CF	10.0 %	Carrizo	Loamy Sand	0.35	0.28	0.00	----	0.92	1.74	0.
Cn	6.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Ao	5.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Br	4.0 %	Brios	Sandy Loam	0.35	0.26	0.00	----	0.52	0.52	0.
Vg	3.0 %	Vint	Loamy Sand	0.35	0.29	0.00	----	1.07	2.02	0.
Cb	3.0 %	Carrizo	Loamy Sand	0.35	0.30	0.00	----	1.12	2.12	0.
Aa	3.0 %	Agualt	Loam	0.35	0.25	0.00	----	0.29	0.55	0.
Ma	1.0 %	Maripo	Sandy Loam	0.35	0.25	0.00	----	0.40	0.40	0.
Gr	1.0 %	Glenbar	Silty Loam	0.39	0.25	0.00	----	0.15	0.28	0.
Gh	1.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	4.16	0.46	0.77	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
378	0.78	0.50	0.00	4.16	0.77	0.0	100.75

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 379

S-GRAPH PARAMETERS

= 0.46 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.42	7.0	0.640

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.42 mi Av.Slope= 4.9 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.50 mi

Lag = 111.79 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	85.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gh	12.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ao	3.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Weight.Av	100.0 %			----	----	0.00	3.68	0.24	0.46	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
379	0.46	0.50	0.00	3.68	0.46	0.0	111.79

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 380

Area = 0.2 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.74	7.0	0.241

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.74 mi Av.Slope= 9.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 35.0 % of (L)= 0.26 mi

Lag = 60.19 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Gt	37.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Ao	27.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
GgA	18.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cn	16.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Gd	2.0 %	Gadsden	Clay	0.16	0.06	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	7.20	0.12	0.22	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
380	0.20	0.50	0.00	7.20	0.22	0.0	60.19

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 381

Area = 0.21 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.57	2.0	0.304

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.57 mi Av.Slope= 3.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.26 mi

Lag = 65.56 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ao	42.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
GgA	36.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cn	22.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	7.15	0.12	0.23	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
381	0.21	0.50	0.00	7.15	0.23	0.0	65.56

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 381A

Area = 0.1 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.38	2.0	0.166

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.38 mi Av.Slope= 5.3 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.15 mi

Lag = 42.65 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	42.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cn	34.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Gh	13.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ao	11.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Weight.Av	100.0 %			----	----	0.00	6.57	0.15	0.29	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
381A	0.10	0.50	0.00	6.57	0.29	0.0	42.65

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 381B

A = 0.07 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.56	6.0	0.171

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.56 mi Av.Slope= 10.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 55.0 % of (L)= 0.31 mi

Lag = 56.47 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ao	55.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
GgA	45.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	6.68	0.15	0.27	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
381B	0.07	0.50	0.00	6.68	0.27	0.0	56.47

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 382

[illegible] = 0.71 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
1.03	13.0	0.290

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 1.03 mi Av.Slope= 12.6 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 45.0 % of (L)= 0.46 mi

Lag = 80.60 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ao	62.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
GgA	25.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Gt	8.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Cn	5.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	7.29	0.11	0.21	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
382	0.71	0.50	0.00	7.29	0.21	0.0	80.60

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 383

A = 0.18 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.65	5.0	0.234

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.65 mi Av.Slope= 7.7 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.33 mi

Lag = 64.96 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ao	55.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
GgA	45.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	6.68	0.15	0.27	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
383	0.18	0.50	0.00	6.68	0.27	0.0	64.96

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 383A

= 0.16 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.77	6.0	0.276

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.77 mi Av.Slope= 7.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.39 mi

Lag = 73.70 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	53.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Cn	26.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Ao	18.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Gh	3.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	6.41	0.16	0.29	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
383A	0.16	0.50	0.00	6.41	0.29	0.0	73.70

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 384

S-GRAPH PARAMETERS

= 0.29 sq.mi

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.74	8.0	0.225

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.74 mi Av.Slope= 10.8 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 52.0 % of (L)= 0.38 mi

Lag = 63.09 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	90 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
RES	10 %	Residential	0.12	20.0	50.0	1.45	0.03	Normal
Weight.Av	100 %		0.46	2.0	86.0	1.85	0.111	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ao	63.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Gt	29.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
GgA	8.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.46	0.
Weight.Av	100.0 %			----	0.19	0.00	7.54	0.10	0.18	0.

Land type weighted DTHETA = 0.02

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
384	0.29	0.46	0.02	7.54	0.18	2.0	63.09

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 385

Area = 0.39 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.97	7.0	0.361

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.97 mi Av.Slope= 7.2 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.39 mi

Lag = 81.88 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
Ao	54.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Gt	44.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
GgA	2.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Weight.Av	100.0 %			----	----	0.00	7.53	0.10	0.19	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
385	0.39	0.50	0.00	7.53	0.19	0.0	81.88

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 386

Area = 0.35 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.94	6.0	0.372

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.94 mi Av.Slope= 6.4 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 50.0 % of (L)= 0.47 mi

Lag = 89.08 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	64.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ao	16.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Cn	11.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Gd	9.0 %	Gadsden	Clay	0.16	0.06	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	5.87	0.17	0.33	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
386	0.35	0.50	0.00	5.87	0.33	0.0	89.08

WHITE TANKS/AGUA FRIA ADMS

SUBBASIN # : 387

Area = 0.25 sq.mi

S-GRAPH PARAMETERS

Flow path inc. (mi)	Elevation inc. (ft)	Ii (mi^3/ft)^.5
0.86	9.0	0.266

I=SUM(Ii)=SUM((Li^3/Hi)^.5)

L = 0.86 mi Av.Slope= 10.5 ft/mi Av.slope =(SUM(Li)/I)^2

Lca = 40.0 % of (L)= 0.34 mi

Lag = 69.63 min Lag = 20*$\overline{Kn}$*(((1.2)*(L*Lca/S^.5)^.38)*60) m

Land Symbol	% Area	Land use/Land classif. (Tables 4.1 & 5.1)	IA (in)	RTIMP %	Av. Veget cover %	Ck	$\overline{Kn}$	DTHETA condit.
AGR	100 %	Agricultural (tilled/irrig.field)	0.50	50%Rock-	90.0	1.89	0.12	Satur.
Weight.Av	100 %		0.50	0.0	90.0	1.89	0.120	

RTIMP is taken 50% of Rockoutcrops for noncontiguous undeveloped areas

GREEN & AMPT LOSS RATE PARAMETERS

Ck = 1.0 for sand &sandy loam, = Weigted average Ck for others.....fig 4.1

Average values

Map Unit	% OF Area	Soil Series	Textural class (major componets)	DTHETA (dry)	DTHETA (normal)	DTHETA (satur.)	PSIF (in)	XKSAT (in/hr)	Ck*XKSAT (in/hr)	Rockout crops %
GgA	38.0 %	Gilman	Loam	0.35	0.25	0.00	----	0.25	0.47	0.
Ao	25.0 %	Avondale	Clay Loam	0.26	0.16	0.00	----	0.06	0.11	0.
Gt	15.0 %	Glenbar	Silty Loam	0.38	0.24	0.00	----	0.14	0.26	0.
Gd	13.0 %	Gadsden	Clay	0.16	0.06	0.00	----	0.02	0.04	0.
Cn	9.0 %	Cashion	Clay	0.17	0.07	0.00	----	0.02	0.04	0.
Weight.Av	100.0 %			----	----	0.00	6.86	0.14	0.26	0.

Land type weighted DTHETA = 0.00

INPUT VALUES FOR < MCUHP 2 >PROGRAM

SUBBASIN #	Area	IA	DTHETA	PSIF	XKSAT	RTIMP	Lag
387	0.25	0.50	0.00	6.86	0.26	0.0	69.63

2+3+4 = Table 4.1 in the manual, (with some modifications)

2+5+6+7 = Table 5.1 in the manual, (with some modifications)

1	2	3	4	5	6	7	8	9	10	11
and ymbol	Land Type	Land use and/or surface cover	IA (in)	Land Calssification	m	b	Average Imper. %	Average Veg. %	Kn	DTHETA (condit
RL	Desert range, Flat slopes	Natural	0.35	Bare or nearly ground	-0.01375	0.08	50%Rock-	20	0.05	Dry
IL	Hillslope, Alluvial fan	Natural	0.15	Rough and/or moderate vegetation	-0.025	0.15	50%Rock-	30	0.05	Dry
NT	Mountain	Natural	0.20	V. rough and/or moderate vegetation	-0.0275	0.18	50%Rock-	40	0.05	Dry
GR	Agricultural (tilled/irrig. field)	Agrigaltural	0.50	Urban	-0.025	0.15	50%Rock-	90	0.12	Satur
AL	Fallow Agr. (tilled/nonirrig. field)	Agrigaltural	0.30	Urban	-0.01375	0.08	50%Rock-	5	0.12	Norma
WN	Lawn & Turf	Developed	0.20	Urban	-0.00625	0.04	50%Rock-	95	0.03	Norma
LS	Desert landscape	Developed	0.10	Urban	-0.00625	0.04	50%Rock-	40	0.03	Dry
AV	Pavement	Developed	0.05	Urban	-0.00625	0.04	100	0	0.12	Dry
ES	Residential (30% LWN, 50% DLS, 20% PAV)	Developed	0.12	Urban	-0.00625	0.04	20	50	0.03	Norma
OM	Commercial (5% LWN, 5% DLS, 90% PAV)	Developed	0.06	Urban	-0.00625	0.04	90	10	0.03	Dry

(Kb=m log A + b)
(A, is in acres)

** NOTE: IA, m, &b for MNT are average values for HIL & MNT from tables 4.1 & 5.1

** NOTE: Average Imprevious is taken 50% of rockoutcrops componenet of soil for noncontigous nondeveloped area
Also for LWN & DLS

Table 4.2

Green and Ampt Loss Rate Parameters Values for Bare Ground

Soil Texture	XKSAT (in/hr)	PSIF (in)	DTHETA Dry	DTHETA Normal	DTHETA Saturated
Sand	4.60	1.9	0.35	0.30	0
Loamy Sand	1.20	2.4	0.35	0.30	0
Sandy Loam	0.40	4.3	0.35	0.25	0
Loam	0.25	3.5	0.35	0.25	0
Silty Loam	0.15	6.6	0.40	0.25	0
Silt	0.10	7.5	0.35	0.15	0
Sandy Clay Loam	0.06	8.6	0.25	0.15	0
Clay Loam	0.04	8.2	0.25	0.15	0
Silty Clay Loam	0.04	10.8	0.30	0.15	0
Sandy Clay	0.02	9.4	0.20	0.10	0
Silty Clay	0.02	11.5	0.20	0.10	0
Clay	0.01	12.4	0.15	0.05	0

Table 4.3

Initial/Uniform Loss for Bare Ground

CNSTL	Initial Loss (inches) Dry	Initial Loss (inches) Normal	Initial Loss (inches) Satur.
4.60	1.30	1.30	0
1.20	0.80	0.80	0
0.40	0.70	0.60	0
0.25	0.80	0.70	0
0.15	0.60	0.50	0
——	——	——	-
0.06	0.60	0.50	0
0.04	0.50	0.40	0
0.04	0.60	0.50	0
0.02	0.40	0.30	0
0.02	0.40	0.30	0
0.01	0.30	0.20	0

Maricopa County-Central Part Loss Rate Parameters
(soil series values)

Soil Series	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Agualt	Loam (0-27)	40.0	——	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	——	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
Avonda	Clay Loam (0-13)	25.0	——	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
Avondale	Clay Loam (0-12)	25.0	——	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
Beardsley	Clay Loam (0-10)	25.0	——	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
Brios	Sandy Loam (0-14)	70.0	——	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A*
Calciorthids	Loamy Sand To Clay Loam	——	——	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
Carrizo	Gravelly Sandy Loam(0-5)	75.0	——	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
Cashion	Clay (0-27)	12.5	——	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
Cherioni	Very Gravelly Loam(1-6)	77.5	——	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	D*
Coolidge	Sandy Loam (0-13)	70.0	——	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
Dune Land	————	——	——	Sand	4.60	1.90	0.35	0.30	1.30	1.30	A
Ebon	Very Cobbly Clay Loam(2-13)	62.5	——	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
Estrella	Loam (0-24)	30.0	——	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B

Maricopa County-Central Part Loss Rate Parameters
(soil series values)

Soil Series	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Gachado	Very Gravelly Clay Loam(0-1)	67.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	D*
Gadsden	Clay (0-10)	15.0	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
Gilman Variant	Loam (0-3)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
La Palma	Very Fine Sandy Loam(0-7)	41.0	6.0	Silty loam	0.15	6.60	0.40	0.25	0.60	0.50	C
Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
Pinamt	Very Gravelly Sand Loam(2-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B

Maricopa County-Central Part Loss Rate Parameters
(soil series values)

Soil Series	U.S.D.A. Soil Texture (Control Horizon)	Fragments).0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Rock Outcrop	———	——	——	———	——	——	——	——	——	——	—
Suncity	Clay Loam (0-13)	35.0	——	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	D*
Toltec	Loam (0-28)	32.5	——	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
Torri-	Cobbly Sandy loam	——	——	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
Tremant	Clay Loam (1-8)	57.5	——	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
Trix	Clay Loam (0-10)	22.5	——	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
Tucson	Loam (0-14)	32.5	——	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
Valencia	Sandy Loam (0-10)	70.0	——	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
Vecont	Clay (0-15)	17.5	——	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
Vint	Loamy Fine Sand (0-27)	80.0	——	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
Wintersburg	Clay Loam (0-12)	25.0	——	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Aa	Agualt loam	Agualt	85.0 Agualt	Loam (0-27)	40.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			3.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Aa	Agualt	100.0					0.29	----	0.35	0.25	0.79	0.70	B
AbA	Antho sandy loam, 0--1 % slopes	Antho	87.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.2 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.2 Agualt	Loam (0-27)	40.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.2 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.2 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.1 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.1 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	AbA	Antho	100.0					0.39	----	0.35	0.25	0.71	0.61	B
AbB	Antho sandy loam, 1--3 % slopes	Antho	88.8 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.8 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.7 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	AbB	Antho	100.0					0.39	----	0.35	0.25	0.70	0.60	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments).0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Ac	Antho sandy saline-alkaline	Antho	84.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Ac	Antho	100.0					0.39	----	0.35	0.25	0.71	0.61	B
AdA	Antho gravelly sandy loam, 0--1 % slopes	Antho	88.8 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.8 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A
			3.7 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	AdA	Antho	100.0					0.40	----	0.35	0.25	0.70	0.60	B
AdB	Antho gravelly sandy loam, 1--3 % slopes	Antho	85.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.8 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.8 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			3.7 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	AdB	Antho	100.0					0.43	----	0.35	0.25	0.70	0.61	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Ae	Antho-brios sandy loams	Antho	45.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			25.0 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A+
			20.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			2.5 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.5 Agualt	Loam (0-27)	40.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.5 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Ae	Antho	100.0					0.41	----	0.35	0.25	0.71	0.61	B
AfA	Antho-Carrizo complex, 0--1 % slopes	Antho	50.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			30.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			5.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B+
			5.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	AfA	Antho	100.0					0.67	----	0.35	0.27	0.74	0.68	B
AfB	Antho-Carrizo complex, 1--3 % slopes	Antho	40.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			25.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			20.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			7.5 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			7.5 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	AfB	Antho	100.0					0.60	----	0.35	0.26	0.73	0.65	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
AGB	Antho-Carrizo complex, 0--3 % slopes	Antho	35.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			30.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			20.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A
			5.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			5.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	AGB	Antho	100.0					0.62	----	0.35	0.26	0.72	0.65	B
AHC	Antho-Tremant complex, 1--5 % slopes	Antho	40.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			30.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B
			3.4 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.4 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.4 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.3 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.3 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			3.3 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B
			3.3 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.3 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.3 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	AHC	Antho	100.0					0.30	----	0.32	0.22	0.68	0.58	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments).0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
AKB	Antho-Tremant-Mohall complex, 1--5 % slopes	Antho	50.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			20.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			15.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Calciorthids	Loamy Sand To Clay Loam	----	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Torri-	Cobbly Sandy loam	----	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			2.5 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			2.5 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	AKB	Antho	100.0					0.33	----	0.32	0.22	0.66	0.57	B
AL	Antho association	Antho	85.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.5 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			2.5 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Rock Outcrop	--------	----	----	--------	----	----	----	----	----	----	--
	AL	Antho	100.0					0.42	----	0.35	0.25	0.71	0.61	B
AM	Antho-Valencia association	Antho	40.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			40.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.7 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.7 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			6.6 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	AM	Antho	100.0					0.37	----	0.34	0.24	0.69	0.59	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
An	Avonda clay loam	Avonda	75.0 Avonda	Clay Loam (0-13)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			6.3 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			6.3 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			6.2 Agualt	Loam (0-27)	40.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			6.2 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	An	Avonda	100.0					0.07	----	0.27	0.17	0.54	0.44	B*
Ao	Avondale clay loam	Avondale	85.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			5.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Trix	Clay Loam (0-10)	22.5	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
	Ao	Avondale	100.0					0.06	----	0.26	0.16	0.52	0.42	B*
Ap	Avondale clay loam, saline-alkali	Avondale	85.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			5.0 Cashion	Clay (0-27)	12.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			5.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Ap	Avondale	100.0					0.05	----	0.26	0.16	0.51	0.41	B*
BE	Beardsley loam	Beardsley	89.5 Beardsley	Clay Loam (0-10)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			3.5 Vecont	Clay (0-15)	17.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.5 Suncity	Clay Loam (0-13)	35.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	D*
			3.5 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
	BE	Beardsley	100.0					0.05	----	0.25	0.15	0.50	0.40	C

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Br	Brios loamy sand	Brios	85.0 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A*
			7.5 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			7.5 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
	Br	Brios	100.0					0.52	----	0.35	0.26	0.72	0.63	A*
Bs	Brios sandy loam	Brios	84.0 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A*
			4.0 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			4.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			4.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Bs	Brios	100.0					0.46	----	0.35	0.25	0.71	0.62	A*
Bt	Brios loam	Brios	80.0 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A*
			4.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			8.0 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
	Bt	Brios	100.0					0.50	----	0.35	0.26	0.71	0.62	A*
CA2	Calciorthids & Torriorthents, Eroded	Calciorthids	90.0 Calciorthids	Loamy Sand To Clay Loam	----	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
	CA2	Calciorthids	100.0					0.39	----	0.35	0.25	0.71	0.61	B

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Cb	Carrizo gravelly sand loam	Carrizo	87.5 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			2.5 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A*
			2.5 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			2.5 Agualt	Loam (0-27)	40.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Cb	Carrizo	100.0					1.12	----	0.35	0.30	0.79	0.78	A
CeD	Carrizo-Ebon complex, 3--12 % slopes	Carrizo	60.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			30.0 Ebon	Very Cobbly Clay Loam(2-13)	62.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			5.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			5.0 Rock Outcrop	---------	----	----	---------	----	----	----	----	----	----	--
	CeD	Carrizo	100.0					0.78	----	0.31	0.24	0.73	0.69	A
CF	Carrizo & Brios siols	Carrizo	45.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			35.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			20.0 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
	CF	Carrizo	100.0					0.92	----	0.35	0.28	0.77	0.73	A
Cg	Casa Grande sandy loam	Casa Grande	86.0 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			3.5 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.5 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			3.5 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.5 Tucson	Loam (0-14)	32.5	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Cg	Casa Grande	100.0					0.25	----	0.35	0.25	0.79	0.69	C

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Ch	Casa Grande loam	Casa Grande	86.0 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			3.5 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.5 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.5 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			3.5 Tucson	Loam (0-14)	32.5	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Ch	Casa Grande	100.0					0.24	----	0.35	0.25	0.79	0.69	C
Ck	Casa Grande complex	Casa Grande	75.0 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			12.5 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			12.5 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
	Ck	Casa Grande	100.0					0.22	----	0.34	0.24	0.76	0.66	C
Cm	Casa Grande-Laveen complex	Casa Grande	44.0 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			44.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Cm	Casa Grande	100.0					0.26	----	0.35	0.25	0.80	0.70	C
Cn	Cashion clay, saline-alkali	Cashion	80.0 Cashion	Clay (0-27)	12.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			5.0 Gadsden	Clay (0-10)	15.0	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			5.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Wintersburg	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			5.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
	Cn	Cashion	100.0					0.02	----	0.17	0.07	0.34	0.24	D

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

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Co	Cherioni-Rock Outcrop complex	Cherioni	56.0 Cherioni	Very Gravelly Loam(1-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	D*
			20.0 Rock Outcrop	---------	----	----	---------	----	----	----	----	----	----	—
			6.0 Gachado	Very Gravelly Clay Loam(0-1)	67.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	D*
			6.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			6.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Co	Cherioni	100.0					0.36	----	0.34	0.24	0.70	0.60	D*
Cp	Coolidge Sandy loam	Coolidge	80.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Cp	Coolidge	100.0					0.39	----	0.35	0.25	0.70	0.60	B
CrB	Coolidge gravelly sandy loam, 1--3 % slopes	Coolidge	85.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	CrB	Coolidge	100.0					0.40	----	0.35	0.25	0.70	0.60	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

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Cs	Coolidge-Tremant complex	Coolidge	50.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			34.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			4.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Cs	Coolidge	100.0					0.28	----	0.32	0.22	0.67	0.57	B
CV	Coolidge-Laveen association, 0--3 % slopes	Coolidge	40.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			40.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			6.7 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.7 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.6 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	CV	Coolidge	100.0					0.34	----	0.35	0.25	0.74	0.64	B
Dn	Dune Land	Dune Land	100.0 Dune Land	--------	----	----	Sand	4.60	1.90	0.35	0.30	1.30	1.30	A
	Dn	Dune Land	100.0					4.60	----	0.35	0.30	1.30	1.30	A
EbD	Ebon gravelly 0--8 % slopes	Ebon	80.0 Ebon	Very Cobbly Clay Loam(2-13)	62.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			5.0 Pinamt	Very Gravelly Sand Loam(2-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			5.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			5.0 Rock Outcrop	--------	----	----	--------	----	----	----	----	----	----	--
	EbD	Ebon	100.0					0.14	----	0.26	0.16	0.62	0.52	C

Maricopa County-Central Part Loss Rate Parameters
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EpD	Ebon-Pinamt complex, 0--10 % slopes	Ebon	43.0 Ebon	Very Cobbly Clay Loam(2-13)	62.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			25.0 Pinamt	Very Gravelly Sand Loam(2-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			20.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			3.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			3.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	EpD	Ebon	100.0					0.21	----	0.29	0.19	0.64	0.54	C
Es	Estrella loam	Estrella	86.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.5 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.5 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.5 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.5 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Es	Estrella	100.0					0.25	----	0.35	0.25	0.79	0.69	B
Et	Estrella loam, saline-alkali	Estrella	80.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			6.7 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			6.7 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			6.6 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Et	Estrella	100.0					0.25	----	0.35	0.25	0.80	0.70	B

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GA	Gashado-Rock Outcrop Complex	Gachado	40.0 Gachado	Very Gravelly Clay Loam(0-1)	67.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	D*
			40.0 Rock Outcrop	---------	----	----	---------	----	----	----	----	----	----	--
			5.0 Cherioni	Very Gravelly Loam(1-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	D*
			5.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			5.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	GA	Gachado	100.0					0.16	----	0.28	0.18	0.64	0.54	D*
Gb	Gadsden clay loam	Gadsden	88.8 Gadsden	Clay (0-10)	15.0	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.8 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			3.7 Cashion	Clay (0-27)	12.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.7 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
	Gb	Gadsden	100.0					0.02	----	0.16	0.06	0.32	0.22	D
Gc	Gadsden clay	Gadsden	84.0 Gadsden	Clay (0-10)	15.0	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			8.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			4.0 Cashion	Clay (0-27)	12.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			4.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
	Gc	Gadsden	100.0					0.02	----	0.17	0.07	0.33	0.23	D
Gd	Gadsden clay, saline alkali	Gadsden	88.8 Gadsden	Clay (0-10)	15.0	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.8 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			3.7 Cashion	Clay (0-27)	12.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.7 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
	Gd	Gadsden	100.0					0.02	----	0.16	0.06	0.32	0.22	D

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Ge	Gilman fine sandy loam	Gilman	80.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.4 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.4 Agualt	Loam (0-27)	40.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.3 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			3.3 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.3 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.3 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Ge	Gilman	100.0					0.29	----	0.35	0.25	0.79	0.70	B
Gf	Gilman fine sandy loam, saline-alkali	Gilman	80.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			5.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Gf	Gilman	100.0					0.30	----	0.35	0.25	0.78	0.68	B
GgA	Gilman loam 0--1 % slopes	Gilman	80.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Agualt	Loam (0-27)	40.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			4.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	GgA	Gilman	100.0					0.25	----	0.35	0.25	0.79	0.69	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
GgB	Gilman loam 1--3 % slopes	Gilman	87.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			7.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	GgB	Gilman	100.0					0.26	----	0.35	0.25	0.79	0.69	B
Gh	Gilman loam saline-alkali	Gilman	85.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.8 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.8 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.7 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
	Gh	Gilman	100.0					0.25	----	0.35	0.25	0.79	0.69	B
GL	Gilman complex, saline-alkali	Gilman	80.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			10.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.5 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			2.5 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
	GL	Gilman	100.0					0.29	----	0.35	0.25	0.78	0.68	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
GM	Gilman-Antho association	Gilman	50.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			25.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			10.0 Agualt	Loam (0-27)	40.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.8 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.8 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.7 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
	GM	Gilman	100.0					0.33	----	0.35	0.25	0.77	0.67	B
GN	Gilman-Laveen association	Gilman	45.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			30.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			20.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			1.3 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			1.3 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			1.2 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			1.2 Agualt	Loam (0-27)	40.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	GN	Gilman	100.0					0.25	----	0.35	0.25	0.79	0.69	B
Go3	Gilman, Antho and Glenbar soils, severely eroded	Gilman	55.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			25.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			20.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
	Go3	Gilman	100.0					0.27	----	0.36	0.25	0.74	0.64	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >2.00/4 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ UNSIL (in/hr)	PSIF (in)	DIMCIH (Dry)	DIMCIA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Gp	Gilman loam, clayey subsoil variant, moderately saline	Gilman Variant	95.0 Gilman Variant	Loam (0-3)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			1.7 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			1.7 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			1.6 Gadsden	Clay (0-10)	15.0	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
	Gp	Gilman Variant	100.0					0.24	----	0.35	0.25	0.79	0.69	C
Gr	Glenbar loam	Glenbar	85.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			10.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
	Gr	Glenbar	100.0					0.15	----	0.39	0.25	0.62	0.52	B
Gs	Glenbar loam, saline-alkali	Glenbar	85.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			5.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Gadsden	Clay (0-10)	15.0	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
	Gs	Glenbar	100.0					0.15	----	0.38	0.24	0.61	0.51	B
Gt	Glenbar clay loam	Glenbar	85.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			3.8 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.8 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.7 Trix	Clay Loam (0-10)	22.5	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.7 Gadsden	Clay (0-10)	15.0	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
	Gt	Glenbar	100.0					0.14	----	0.38	0.24	0.59	0.49	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >2.00/4 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ UNSAT (in/hr)	PSIF (in)	DIMEIR (Dry)	DIMEIR (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Gu	Glenbar clay loam, saline-alkali	Glenbar	85.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			3.8 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.8 Cashion	Clay (0-27)	12.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.7 Gadsden	Clay (0-10)	15.0	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.7 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Gu	Glenbar	100.0					0.14	----	0.37	0.23	0.58	0.48	B
Gv	Glenbar clay	Glenbar	85.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			5.0 Cashion	Clay (0-27)	12.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			5.0 Gadsden	Clay (0-10)	15.0	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			5.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
	Gv	Glenbar	100.0					0.13	----	0.37	0.23	0.57	0.47	B
GWD	Gunsight-Pinal complex, 1--10 % slopes	Gunsight	40.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			30.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			12.0 Pinamt	Very Gravelly Sand Loam(2-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Antho	Sandy/grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
	GWD	Gunsight	100.0					0.40	----	0.35	0.25	0.74	0.64	B
GxA	Gunsight-Rillito complex, 1--3 % slopes	Gunsight	47.5 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			47.5 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.5 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
	GxA	Gunsight	100.0					0.39	----	0.35	0.25	0.70	0.60	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
GxB	Gunsight-Rillito complex, 0-10 % slopes	Gunsight	46.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			46.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			2.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
	GxB	Gunsight	100.0					0.39	----	0.35	0.25	0.70	0.60	B
GYD	Gunsight-Rillito Complex, 0--10 % slopes	Gunsight	40.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			40.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.4 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.4 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.3 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			3.3 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.3 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.3 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
	GYD	Gunsight	100.0					0.41	----	0.35	0.25	0.71	0.62	B
HAB	Harqua complex, 0--3 % slopes	Harqua	88.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			3.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			3.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	HAB	Harqua	100.0					0.08	----	0.26	0.16	0.53	0.43	C

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
HAC	Harqua complex, 3--8 % slopes	Harqua	85.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			5.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	HAC	Harqua	100.0					0.09	----	0.26	0.17	0.54	0.44	C
HLC	Harqua-Gunsight complex, 0--5 % slopes	Harqua	40.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			35.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			20.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.4 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			1.3 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			1.3 Cherioni	Very Gravelly Loam(1-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	D*
	HLC	Harqua	100.0					0.25	----	0.31	0.21	0.62	0.52	C
HM	Harqua-Laveen complex	Harqua	40.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			35.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			15.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	HM	Harqua	100.0					0.20	----	0.31	0.21	0.66	0.56	C

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
HrB	Harqua-Rillito complex 1--3 % slopes	Harqua	50.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			20.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			15.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.2 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.2 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.2 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.1 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.1 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.1 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			2.1 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	HrB	Harqua	100.0					0.20	----	0.30	0.20	0.60	0.50	C
La	La Palma very fine sandy loam	La Palma	84.0 La Palma	Very Fine Sandy Loam(0-7)	41.0	6.0	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	C
			4.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			4.0 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			4.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
	La	La Palma	100.0					0.16	----	0.39	0.25	0.62	0.52	C
Lb	Laveen sandy loam	Laveen	85.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.8 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.8 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Lb	Laveen	100.0					0.27	----	0.35	0.25	0.79	0.69	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
LcA	Laveen Loam, 0--1 % slopes	Laveen	85.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	LcA	Laveen	100.0					0.25	----	0.35	0.25	0.79	0.69	B
LcB	Laveen loam, 1--3 % slopes	Laveen	90.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.4 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.3 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.3 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	LcB	Laveen	100.0					0.26	----	0.35	0.25	0.79	0.69	B
Ld	Laveen loam, saline-alkali	Laveen	84.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			4.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Ld	Laveen	100.0					0.26	----	0.35	0.25	0.80	0.70	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Le	Laveen clay loam	Laveen	85.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.8 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.8 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			3.7 Vecont	Clay (0-15)	17.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.7 Tucson	Loam (0-14)	32.5	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Le	Laveen	100.0					0.23	----	0.34	0.23	0.76	0.66	B
Lf	Laveen-Antho complex saline-alkali	Laveen	55.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			30.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
	Lf	Laveen	100.0					0.30	----	0.35	0.25	0.77	0.67	B
Ma	Maripo sandy loam	Maripo	85.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Ma	Maripo	100.0					0.40	----	0.35	0.25	0.70	0.60	B
Mo	Mohall sandy loam	Mohall	92.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			2.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
	Mo	Mohall	100.0					0.06	----	0.26	0.16	0.52	0.42	B*

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Mp	Mohall loam	Mohall	92.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			2.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
	Mp	Mohall	100.0					0.05	----	0.26	0.16	0.52	0.42	B*
Mr	Mohall clay loam	Mohall	90.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			2.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.0 Tucson	Loam (0-14)	32.5	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			2.0 Vecont	Clay (0-15)	17.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
	Mr	Mohall	100.0					0.05	----	0.25	0.15	0.52	0.42	B*
Ms	Mohall clay	Mohall	85.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.0 Trix	Clay Loam (0-10)	22.5	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			3.0 Cashion	Clay (0-27)	12.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.0 Vecont	Clay (0-15)	17.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
	Ms	Mohall	100.0					0.04	----	0.25	0.15	0.49	0.39	B*

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

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MTB	Mohall-Tremant complex, 0--3 % slopes	Mohall	50.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			20.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			15.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.5 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	MTB	Mohall	100.0					0.12	----	0.28	0.18	0.60	0.50	B*
MV	Mohall-Laveen association	Mohall	45.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			35.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			6.7 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			6.7 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			6.6 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
	MV	Mohall	100.0					0.14	----	0.30	0.20	0.65	0.55	B*
Pa	Peeryville sandy loam	Perryville	85.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Pa	Perryville	100.0					0.39	----	0.35	0.25	0.71	0.61	B

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Pb	Perryville loam, saline-alkali	Perryville	85.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Pb	Perryville	100.0					0.39	----	0.35	0.25	0.71	0.61	B
PeA	Perryville gravelly loam, 0--1 % slopes	Perryville	78.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			10.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			4.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	PeA	Perryville	100.0					0.38	----	0.35	0.25	0.70	0.60	B
PeB	Perryville gravelly loam, 1--3 % slopes	Perryville	85.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	PeB	Perryville	100.0					0.39	----	0.35	0.25	0.71	0.61	B
PRB	Perryville-rillito complex 0--3 % slopes	Perryville	45.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			40.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.8 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.8 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.7 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	PRB	Perryville	100.0					0.39	----	0.35	0.25	0.70	0.60	B

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PsA	Pinal loam 0--1 % slopes	Pinal	88.8 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			3.8 La Palma	Very Fine Sandy Loam(0-7)	41.0	6.0	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	C
			3.7 Toltec	Loam (0-28)	32.5	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			3.7 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	PsA	Pinal	100.0					0.25	----	0.35	0.25	0.79	0.69	D*
PsB	Pinal loam 1--3 % slopes	Pinal	80.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			4.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 La Palma	Very Fine Sandy Loam(0-7)	41.0	6.0	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	C
			4.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Cherioni	Very Gravelly Loam(1-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	D*
	PsB	Pinal	100.0					0.27	----	0.35	0.25	0.78	0.68	D*
PT	Pinal gravelly loam	Pinal	90.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			5.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Cherioni	Very Gravelly Loam(1-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	D*
	PT	Pinal	100.0					0.26	----	0.35	0.25	0.79	0.69	D*
PvB	Pinal-La Palma loam, 1--3 % slopes	Pinal	55.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			25.0 La Palma	Very Fine Sandy Loam(0-7)	41.0	6.0	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	C
			15.0 Toltec	Loam (0-28)	32.5	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			5.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	PvB	Pinal	100.0					0.23	----	0.36	0.25	0.75	0.65	D*

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
PWB	Pinal-Suncity complex, 0--3 % slopes	Pinal	55.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			35.0 Suncity	Clay Loam (0-13)	35.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	D*
			5.0 Beardsley	Clay Loam (0-10)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			5.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	PWB	Pinal	100.0					0.17	----	0.31	0.21	0.68	0.58	D*
PYD	Pinamt-Tremant complex, 1--10 % slopes	Pinamt	40.0 Pinamt	Very Gravelly Sand Loam(2-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			30.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			6.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Ebon	Very Cobbly Clay Loam(2-13)	62.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			6.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
	PYD	Pinamt	100.0					0.33	----	0.31	0.22	0.67	0.58	B
RaA	Rillito sandy loam, 0--1 % slopes	Rillito	80.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			4.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
	RaA	Rillito	100.0					0.37	----	0.35	0.25	0.70	0.60	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay, %	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
RaB	Rillito sandy loam, 1--3 % slopes	Rillito	84.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			4.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
	RaB	Rillito	100.0					0.39	----	0.35	0.25	0.71	0.61	B
RbA	Rillito loam, 0--1 % slopes	Rillito	80.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
	RbA	Rillito	100.0					0.38	----	0.35	0.25	0.70	0.60	B
RbB	Rillito loam, 1--3 % slopes	Rillito	82.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			6.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
	RbB	Rillito	100.0					0.38	----	0.35	0.25	0.71	0.61	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
RhB	Rillito-Harqua complex, 1--3 % slopes	Rillito	30.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			30.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			30.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Gilman	Loam (0-36)	52.5	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.5 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			1.3 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			1.2 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	RhB	Rillito	100.0					0.29	----	0.32	0.22	0.65	0.55	B
RpE	Rillito-Perryville complex, 5--20 % slopes	Rillito	30.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			30.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			15.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			15.0 Pinal	Loam (0-8)	50.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	D*
			4.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			3.0 Calciorthids	Loamy Sand To Clay Loam	----	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Torri-	Cobbly Sandy loam	----	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
	RpE	Rillito	100.0					0.39	----	0.35	0.25	0.71	0.61	B
Rs	Rock Outcrop-Cherioni complex	Rock Outcrop	65.0 Rock Outcrop	---------	----	----	---------	----	----	----	----	----	----	--
			25.0 Cherioni	Very Gravelly Loam(1-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	D*
			10.0 Gachado	Very Gravelly Clay Loam(0-1)	67.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	D*
	Rs	Rock Outcrop	100.0					0.30	----	0.32	0.22	0.67	0.57	D*
SUNCITY	Suncity	Suncity	100.0 Suncity	Clay Loam (0-13)	35.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	D*
	SUNCITY	Suncity	100.0					0.04	----	0.25	0.15	0.50	0.40	D*

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Ta	Toltic loam	Toltec	91.0 Toltec	Loam (0-28)	32.5	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			3.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Tucson	Loam (0-14)	32.5	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Ta	Toltec	100.0					0.25	----	0.35	0.25	0.80	0.70	C
TB	Torrifluvents	Torri-	100.0 Torri-	Cobbly Sandy loam	----	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
	TB	Torri-	100.0					1.20	----	0.35	0.30	0.80	0.80	A
Tc	torriorthents	Torri-	100.0 Torri-	Cobbly Sandy loam	----	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
	Tc	Torri-	100.0					1.20	----	0.35	0.30	0.80	0.80	A
TD	Torripsamments & Torrifluvents frequently flooded	Torri-	100.0 Torri-	Cobbly Sandy loam	----	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
	TD	Torri-	100.0					1.20	----	0.35	0.30	0.80	0.80	A
Te	Tremant loam	Tremant	85.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			5.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
	Te	Tremant	100.0					0.09	----	0.26	0.16	0.61	0.51	B*

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
TfA	Tremant gravelly loam, 0--1 % slopes	Tremant	88.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			3.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
	TfA	Tremant	100.0					0.07	----	0.26	0.16	0.60	0.50	B*
TfB	Tremant gravelly loam, 1--3 % slopes	Tremant	85.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			3.8 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			3.8 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	TfB	Tremant	100.0					0.09	----	0.26	0.16	0.61	0.51	B*
Tg	Tremant clay loam	Tremant	85.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			3.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.0 Vecont	Clay (0-15)	17.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			3.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			3.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Tg	Tremant	100.0					0.07	----	0.25	0.15	0.59	0.49	B*

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Th	Treamnt gravelly clay loam	Tremant	85.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			3.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Pinamt	Very Gravelly Sand Loam(2-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
	Th	Tremant	100.0					0.08	----	0.26	0.16	0.61	0.51	B*
TPB	Treamnt complex, 0--3 % slopes	Tremant	80.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			5.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Pinamt	Very Gravelly Sand Loam(2-6)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	TPB	Tremant	100.0					0.10	----	0.26	0.17	0.62	0.52	B*
TrA	Tremant-Rillito complex, 0--1 % slopes	Tremant	85.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			5.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			5.0 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	TrA	Tremant	100.0					0.09	----	0.26	0.16	0.61	0.51	B*

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
TrB	Tremant-Rillito complex, 1--3 % slopes	Tremant	35.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			30.0 Rillito	Gravelly Loam (0-60)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			25.0 Gunsight	Gravelly Loam (0-60)	82.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.5 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Harqua	Gravelly Clay Loam (0-14)	37.0	37.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
	TrB	Tremant	100.0					0.27	----	0.31	0.21	0.66	0.56	B*
TSC	Tremant-Rillito complex, 0--5 % slopes	Tremant	85.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			3.8 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			3.8 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.7 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			3.7 Perryville	Gravelly Loam (0-9)	63.0	18.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	TSC	Tremant	100.0					0.14	----	0.26	0.17	0.62	0.53	B*
Tt	Trix clay loam	Trix	88.0 Trix	Clay Loam (0-10)	22.5	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.0 Glenbar	Clay Loam (0-15)	30.0	----	Silty Loam	0.15	6.60	0.40	0.25	0.60	0.50	B
			3.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Tt	Trix	100.0					0.05	----	0.26	0.16	0.51	0.41	B*

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Tu	Tucson loam	Tucson	85.0 Tucson	Loam (0-14)	32.5	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			3.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Tremant	Clay Loam (1-8)	57.5	----	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
	Tu	Tucson	100.0					0.24	----	0.35	0.25	0.79	0.69	B
Tw	Tucson clay loam	Tucson	82.0 Tucson	Loam (0-14)	32.5	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.6 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			3.6 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.6 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.6 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.6 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Tw	Tucson	100.0					0.24	----	0.35	0.25	0.79	0.69	B
Va	Valencia sandy loam	Valencia	85.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
	Va	Valencia	100.0					0.37	----	0.35	0.25	0.70	0.60	B

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments).0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Vb	Valencia sandy loam, saline-alkali	Valencia	70.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			7.5 Casa Grande	Clay Loam (1-22)	49.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			7.5 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			7.5 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			7.5 Coolidge	Sandy Loam (0-13)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Vb	Valencia	100.0					0.38	----	0.35	0.25	0.72	0.62	B
Vc	Valencia Gravelly sandy loam	Valencia	80.0 Valencia	Sandy Loam (0-10)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.7 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.7 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			6.6 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Vc	Valencia	100.0					0.44	----	0.35	0.25	0.71	0.62	B
Ve	Vecont loam	Vecont	85.0 Vecont	Clay (0-15)	17.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			5.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Ve	Vecont	100.0					0.04	----	0.18	0.08	0.36	0.26	D
Vf	Vecont clay	Vecont	85.0 Vecont	Clay (0-15)	17.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			5.0 Mohall	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Estrella	Loam (0-24)	30.0	----	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Laveen	Loam (0-6)	52.0	13.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Vf	Vecont	100.0					0.04	----	0.18	0.08	0.36	0.26	D

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Vg	Vint loamy fine sand	Vint	80.0 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			4.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			4.0 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A*
			4.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Vg	Vint	100.0					1.07	----	0.35	0.29	0.79	0.77	B*
Vh	Vint fine sandy loam	Vint	82.0 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			6.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			6.0 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A*
			6.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	Vh	Vint	100.0					1.06	----	0.35	0.29	0.78	0.76	B*
Vk	Vint loam	Vint	80.0 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			5.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Maripo	Sandy Loam (0-13)	65.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Gilman	Loam (0-36)	52.6	10.6	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A*
	Vk	Vint	100.0					1.03	----	0.35	0.29	0.79	0.77	B*

Maricopa County-Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >0.074 mm, %	Clay,%	Textural Class (Appendix)	AKBHI/ UNDIL (in/hr)	Pair (in)	DIMEIR (Dry)	DIMEIR (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
Vn	Vint clay loam	Vint	80.0 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			5.0 Cashion	Clay (0-27)	12.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			5.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Avonda	Clay Loam (0-13)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A*
	Vn	Vint	100.0					0.98	----	0.33	0.27	0.74	0.72	B*
Vr	Vint-Carrizo complex	Vint	55.0 Vint	Loamy Fine Sand (0-27)	80.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			30.0 Carrizo	Gravelly Sandy Loam(0-5)	75.0	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			5.0 Brios	Sandy Loam (0-14)	70.0	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A*
			5.0 Antho	Sandy/Grav. Sandy Loam(0-60)	77.5	----	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Torri-	Cobbly Sandy loam	----	----	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
	Vr	Vint	100.0					1.12	----	0.35	0.29	0.79	0.78	B*
Wg	Wintersburg complex	Wintersburg	85.0 Wintersburg	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			5.0 Cashion	Clay (0-27)	12.5	----	Clay	0.01	12.40	0.15	0.05	0.30	0.20	D
			5.0 Avondale	Clay Loam (0-12)	25.0	----	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			5.0 Laveen	Loam (0-6)	32.0	15.0	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
	Wg	Wintersburg	100.0					0.05	----	0.25	0.15	0.51	0.41	C

Maricopa County, Aguila - Carefree Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
3	Antho-Carrizo-Maripo complex	————	35.0 Antho	Sandy Loam (0-3)	65.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			32.5 Carrizo	Very Gravelly Sand (0-28) Sandy	92.5	5.0	Sand	4.60	1.90	0.35	0.30	1.30	1.30	A
			20.0 Maripo	Loam (0-18)	65.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Brios	Sandy/Grav. Sandy Loam(0-60)	87.5	8.5	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			2.5 Gilman	Loam (0-2)	35.0	23.5	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			2.5 Vint	Loam fine Sand (0-60)	70.0	7.5	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Denure		65.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Momoli		75.0	15.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	3	————	100.0					1.78	——	0.35	0.27	0.90	0.84	B
10	Brios-Carrizo complex 1-->5% slopes	————	40.0 Brios	Gravelly Corse Sand (2-60)	87.5	8.5	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			40.0 Carrizo	Coarse Sand (2-60)	92.5	2.5	Sand	4.60	1.90	0.35	0.30	1.30	1.30	A
			5.0 Antho	Gravelly Sandy Loam (0-3)	75.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Gilman	Loam (0-2)	35.0	23.5	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			5.0 Maripo	Loam (0-18)	65.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Vint	Loam fine Sand (0-60)	70.0	7.5	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	10	————	100.0					2.39	——	0.35	0.29	0.99	0.97	A
18	Cherioni-Rock outcrop complex, 5-->60% slopes	————	61.0 Cherioni	Very Gravelly Sandy Loam (1-10)	87.5	12.5	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	D*
			15.0 Rock outcrop	————	——	——	————	——	——	——	——	——	——	-
			6.0 Cipriano	Very Gravelly Sandy Loam (0-20)	72.5	20.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	D*
			6.0 Gachado	Very Gravelly Sandy Clay	77.5	22.5	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	D*
			6.0 Gunsight	Very Gravelly Sandy Loam (0-3)	85.0	12.5	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			6.0 Suncity	Clay Loam (1-9)	45.0	30.0	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	D*
	18	————	100.0					0.98	——	0.34	0.28	0.76	0.74	D*

Maricopa County, Aguila - Carefree Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
29	Denure-Momli-Carrizo complex	————	40.0 Denure	Fine Sandy Loam (0-2)	65.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			30.0 Momoli	Gravelly Sandy Loam (0-10)	75.0	15.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			24.0 Carrizo	Gravelly Sandy Loam (0-10)	75.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A
			3.0 Gilman	Loam (0-2)	35.0	23.5	Loam	0.25	3.50	0.35	0.25	0.80	0.70	B
			3.0 Maripo	Loam (0-18)	65.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	29	————	100.0					0.40	——	0.35	0.25	0.70	0.60	B
44	Ebon very gravelly laom, 1—)8% slopes	————	79.0 Ebon	Very gravelly Sandy Clay (1-43)	65.0	35.0	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			3.0 Cipriano	Very gravelly Loam Clay (0-6)	72.5	20.0	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	D*
			3.0 Contine	Clay Loam (0-6)	22.5	36.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			3.0 Beardsley	Cobbly Clay Loam (0-6)	37.5	27.5	Loam	0.25	3.50	0.35	0.25	0.80	0.70	C
			3.0 Luke	Very gravelly Sandy Clay (1-28)	63.75	36.25	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			3.0 Gunsight	Very gravelly Sandy Loam (0-3)	85.0	12.5	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			3.0 mohall	Loam (0-18)	32.5	35.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	B*
			3.0 Pinampt	V. Grav. Sandy Clay Loam (1-28)	76.25	23.75	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
	44	————	100.0					0.10	——	0.26	0.16	0.61	0.51	C

Maricopa County, Aguila - Carefree Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
48	Ebon-Pinamt complex, 3-->20% slopes	--------	45.0 Ebon	Very Gravelly Sandy Clay (1-43)	65.0	35.0	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			35.0 Pinamt	Extremely Grav.Sandy Loam (0-3)	88.75	11.25	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B
			2.5 Carrizo	Very Gravelly Sandy Loam (0-11)	85.0	10.0	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
			2.5 Antho	Gravelly Sandy Loam (0-3)	75.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Contine	Clay Loam (0-2)	22.5	36.0	Clay Loam	0.04	8.20	0.25	0.15	0.50	0.40	C
			2.5 Luke	Very Gravelly Sandy Clay (1-28)	63.75	36.25	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			2.5 Cipriano	Very Gravelly Sandy Loam (0-20)	72.5	72.5	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	D*
			2.5 Gunsight	Very Gravelly Sandy Loam (0-3)	85.0	12.5	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B*
			2.5 Momoli	--------	77.5	15.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			2.5 Tremant	--------	65.0	15.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	48	--------	100.0					0.54	----	0.30	0.22	0.69	0.63	C
49	Ebon-Pinamt complex, 3-->40% slopes	--------	45.0 Ebon	Very Gravelly Sandy Clay (1-43)	65.0	35.0	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			35.0 Pinamt	Extremely Grav.Sandy Loam (0-3)	88.75	11.25	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	B
			5.0 Luke	Very Gravelly Sandy Clay (1-28)	63.75	36.25	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			5.0 Tremant	Gravelly Sandy Loam (0-9)	65.0	15.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Antho	Gravelly Sandy Loam (0-3)	75.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			5.0 Carrizo	Very Gravelly Sandy Loam (0-11)	85.0	10.0	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	A
	49	--------	100.0					0.55	----	0.30	0.22	0.69	0.63	B

Maricopa County, Aguila - Carefree Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Name	Soil Series	% of map unit components	U.S.D.A. Soil Texture (Control Horizon)	Fragments >.0074 mm, %	Clay,%	Textural Class (Appendix)	XKSAT CNSTL (in/hr)	PSIF (in)	DTHETA (Dry)	DTHETA (Normal)	IL(in) (Dry) (Top Horizon)	IL(in) (Normal) (Top Horizon)	H. S. G.
98	Pinamt-Tremant complex, 1--)10% slopes	———	45.0 Pinamt	V. Grav. Sandy Clay Loam (1-28)	76.25	23.75	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	B*
			35.0 Tremant	Gravelly Loam (0-5)	65.0	15.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Carrizo	Gravelly Sandy Loam (0-5)	75.0	10.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	A
			4.0 Chuckwalla	Extremely Gravelly Loam (0-2)	77.5	15.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Ebon	Very Gravelly Sandy Clay (1-43)	65.0	35.0	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	C
			4.0 Gunsight	Very Gravelly Loam (0-3)	77.5	20.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
			4.0 Rillito	Gravelly Loam (0-12)	60.0	14.0	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	B
	98	———	100.0					0.23	——	0.30	0.20	0.65	0.55	B*
100	Quilotosa-Viava-Rock outcrop complex, 20--)65% slopes	———	50.0 Quilotosa	Extremely Gravelly Loam (2-14)	88.75	11.25	Loamy Sand	1.20	2.40	0.35	0.30	0.80	0.80	D*
			20.0 Vaiva	Very Gravelly Loam (0-3)	67.5	12.5	Sandy Loam	0.40	4.30	0.35	0.25	0.70	0.60	D*
			20.0 Rock outcrop	———	——	——	———	——	——	——	——	——	——	-
			10.0 Schenco	Very Channery Loam (2-11)	70.0	21.0	Sandy Clay Loam	0.06	8.60	0.25	0.15	0.60	0.50	D*
	100	———	100.0					0.86	——	0.34	0.27	0.75	0.71	D*

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (dry)	DTHETA (normal)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
Aa	Agualt	Loam	0.29	----	0.35	0.25	0.0	0.79	0.70	B
AbA	Antho	Sandy Loam	0.39	----	0.35	0.25	0.0	0.71	0.61	B
AbB	Antho	Sandy Loam	0.39	----	0.35	0.25	0.0	0.70	0.60	B
Ac	Antho	Sandy Loam	0.39	----	0.35	0.25	0.0	0.71	0.61	B
AdA	Antho	Sandy Loam	0.40	----	0.35	0.25	0.0	0.70	0.60	B
AdB	Antho	Sandy Loam	0.43	----	0.35	0.25	0.0	0.70	0.61	B
Ae	Antho	Sandy Loam	0.41	----	0.35	0.25	0.0	0.71	0.61	B
AfA	Antho	Sandy Loam	0.67	----	0.35	0.27	0.0	0.74	0.68	B
AfB	Antho	Sandy Loam	0.60	----	0.35	0.26	0.0	0.73	0.65	B
AGB	Antho	Sandy Loam	0.62	----	0.35	0.26	0.0	0.72	0.65	B
AHC	Antho	Sandy Loam	0.30	----	0.32	0.22	0.0	0.68	0.58	B
AKB	Antho	Sandy Loam	0.33	----	0.32	0.22	0.0	0.66	0.57	B
AL	Antho	Sandy Loam	0.42	----	0.35	0.25	2.5	0.71	0.61	B
AM	Antho	Sandy Loam	0.37	----	0.34	0.24	0.0	0.69	0.59	B
An	Avonda	Clay Loam	0.07	----	0.27	0.17	0.0	0.54	0.44	B*
Ao	Avondale	Clay Loam	0.06	----	0.26	0.16	0.0	0.52	0.42	B*
Ap	Avondale	Clay Loam	0.05	----	0.26	0.16	0.0	0.51	0.41	B*
BE	Beardsley	Clay Loam	0.05	----	0.25	0.15	0.0	0.50	0.40	C
Br	Brios	Sandy Loam	0.52	----	0.35	0.26	0.0	0.72	0.63	A*
Bs	Brios	Sandy Loam	0.46	----	0.35	0.25	0.0	0.71	0.62	A*
Bt	Brios	Sandy Loam	0.50	----	0.35	0.26	0.0	0.71	0.62	A*
CA2	Calthiorids	Sandy Loam	0.39	----	0.35	0.25	0.0	0.71	0.61	B
Cb	Carrizo	Loamy Sand	1.12	----	0.35	0.30	0.0	0.79	0.78	A
CeD	Carrizo	Loamy Sand	0.78	----	0.31	0.24	5.0	0.73	0.69	A
CF	Carrizo	Loamy Sand	0.92	----	0.35	0.28	0.0	0.77	0.73	A

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (dry)	DTHETA (normal)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
Cg	Casa Grande	Loam	0.25	----	0.35	0.25	0.0	0.79	0.69	C
Ch	Casa Grande	Loam	0.24	----	0.35	0.25	0.0	0.79	0.69	C
Ck	Casa Grande	Loam	0.22	----	0.34	0.24	0.0	0.76	0.66	C
Cm	Casa Grande	Loam	0.26	----	0.35	0.25	0.0	0.80	0.70	C
Cn	Cashion	Clay	0.02	----	0.17	0.07	0.0	0.34	0.24	D
Co	Cherioni	Sandy loam	0.36	----	0.34	0.24	20.0	0.70	0.60	D*
Cp	Coolidge	Sandy loam	0.39	----	0.35	0.25	0.0	0.70	0.60	B
CrB	Coolidge	Sandy loam	0.40	----	0.35	0.25	0.0	0.70	0.60	B
Cs	Coolidge	Sandy loam	0.28	----	0.32	0.22	0.0	0.67	0.57	B
CV	Coolidge	Sandy loam	0.34	----	0.35	0.25	0.0	0.74	0.64	B
Dn	Dune Land	Sand	4.60	----	0.35	0.30	0.0	1.30	1.30	A
EbD	Ebon	Sandy Clay Loam	0.14	----	0.26	0.16	5.0	0.62	0.52	C
EpD	Ebon	Sandy Clay Loam	0.21	----	0.29	0.19	0.0	0.64	0.54	C
Es	Estrella	Loam	0.25	----	0.35	0.25	0.0	0.79	0.69	B
Et	Estrella	Loam	0.25	----	0.35	0.25	0.0	0.80	0.70	B
GA	Gashado	Sandy Clay Loam	0.16	----	0.28	0.18	40.0	0.64	0.54	D*
Gb	Gadsden	Clay	0.02	----	0.16	0.06	0.0	0.32	0.22	D
Gc	Gadsden	Clay	0.02	----	0.17	0.07	0.0	0.33	0.23	D
Gd	Gadsden	Clay	0.02	----	0.16	0.06	0.0	0.32	0.22	D
Ge	Gilman	Loam	0.29	----	0.35	0.25	0.0	0.79	0.70	B
Gf	Gilman	Loam	0.30	----	0.35	0.25	0.0	0.78	0.68	B
GgA	Gilman	Loam	0.25	----	0.35	0.25	0.0	0.79	0.69	B
GgB	Gilman	Loam	0.26	----	0.35	0.25	0.0	0.79	0.69	B
Gh	Gilman	Loam	0.25	----	0.35	0.25	0.0	0.79	0.69	B

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (dry)	DTHETA (normal)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
GL	Gilman	Loam	0.29	----	0.35	0.25	0.0	0.78	0.68	B
GM	Gilman	Loam	0.33	----	0.35	0.25	0.0	0.77	0.67	B
GN	Gilman	Loam	0.25	----	0.35	0.25	0.0	0.79	0.69	B
Go3	Gilman	Loam	0.27	----	0.36	0.25	0.0	0.74	0.64	B
Gp	Gilman Variant	Loam	0.24	----	0.35	0.25	0.0	0.79	0.69	C
Gr	Glenbar	Silty Loam	0.15	----	0.39	0.25	0.0	0.62	0.52	B
Gs	Glenbar	Silty Loam	0.15	----	0.38	0.24	0.0	0.61	0.51	B
Gt	Glenbar	Silty Loam	0.14	----	0.38	0.24	0.0	0.59	0.49	B
Gu	Glenbar	Silty Loam	0.14	----	0.37	0.23	0.0	0.58	0.48	B
Gv	Glenbar	Silty Loam	0.13	----	0.37	0.23	0.0	0.57	0.47	B
GWD	Gunsight	Sandy Loam	0.40	----	0.35	0.25	0.0	0.74	0.64	B
GxA	Gunsight	Sandy Loam	0.39	----	0.35	0.25	0.0	0.70	0.60	B
GxB	Gunsight	Sandy Loam	0.39	----	0.35	0.25	0.0	0.70	0.60	B
GYD	Gunsight	Sandy Loam	0.41	----	0.35	0.25	0.0	0.71	0.62	B
HAB	Harqua	Clay Loam	0.08	----	0.26	0.16	0.0	0.53	0.43	C
HAC	Harqua	Clay Loam	0.09	----	0.26	0.17	0.0	0.54	0.44	C
HLC	Harqua	Clay Loam	0.25	----	0.31	0.21	0.0	0.62	0.52	C
HM	Harqua	Clay Loam	0.20	----	0.31	0.21	0.0	0.66	0.56	C
HrB	Harqua	Clay Loam	0.20	----	0.30	0.20	0.0	0.60	0.50	C
La	La Palma	Silty Loam	0.16	----	0.39	0.25	0.0	0.62	0.52	C
Lb	Laveen	Loam	0.27	----	0.35	0.25	0.0	0.79	0.69	B
LcA	Laveen	Loam	0.25	----	0.35	0.25	0.0	0.79	0.69	B
LcB	Laveen	Loam	0.26	----	0.35	0.25	0.0	0.79	0.69	B

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (dry)	DTHETA (normal)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
Ld	Laveen	Loam	0.26	----	0.35	0.25	0.0	0.80	0.70	B
Le	Laveen	Loam	0.23	----	0.34	0.23	0.0	0.76	0.66	B
Lf	Laveen	Loam	0.30	----	0.35	0.25	0.0	0.77	0.67	B
Ma	Maripo	Sandy Loam	0.40	----	0.35	0.25	0.0	0.70	0.60	B
Mo	Mohall	Clay Loam	0.06	----	0.26	0.16	0.0	0.52	0.42	B*
Mp	Mohall	Clay Loam	0.05	----	0.26	0.16	0.0	0.52	0.42	B*
Mr	Mohall	Clay Loam	0.05	----	0.25	0.15	0.0	0.52	0.42	B*
Ms	Mohall	Clay Loam	0.04	----	0.25	0.15	0.0	0.49	0.39	B*
MTB	Mohall	Clay Loam	0.12	----	0.28	0.18	0.0	0.60	0.50	B*
MV	Mohall	Clay Loam	0.14	----	0.30	0.20	0.0	0.65	0.55	B*
Pa	Perryville	Sandy Loam	0.39	----	0.35	0.25	0.0	0.71	0.61	B
Pb	Perryville	Sandy Loam	0.39	----	0.35	0.25	0.0	0.71	0.61	B
PeA	Perryville	Sandy Loam	0.38	----	0.35	0.25	0.0	0.70	0.60	B
PeB	Perryville	Sandy Loam	0.39	----	0.35	0.25	0.0	0.71	0.61	B
PRB	Perryville	Sandy Loam	0.39	----	0.35	0.25	0.0	0.70	0.60	B
PsA	Pinal	Loam	0.25	----	0.35	0.25	0.0	0.79	0.69	D*
PsB	Pinal	Loam	0.27	----	0.35	0.25	0.0	0.78	0.68	D*
PT	Pinal	Loam	0.26	----	0.35	0.25	0.0	0.79	0.69	D*
PvB	Pinal	Loam	0.23	----	0.36	0.25	0.0	0.75	0.65	D*
PWB	Pinal	Loam	0.17	----	0.31	0.21	0.0	0.68	0.58	D*
PYD	Pinmat	Sandy Loam	0.33	----	0.31	0.22	0.0	0.67	0.58	B
RaA	Rillito	Sandy Loam	0.37	----	0.35	0.25	0.0	0.70	0.60	B
RaB	Rillito	Sandy Loam	0.39	----	0.35	0.25	0.0	0.71	0.61	B
RbA	Rillito	Sandy Loam	0.38	----	0.35	0.25	0.0	0.70	0.60	B

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (dry)	DTHETA (normal)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
RbB	Rillito	Sandy Loam	0.38	----	0.35	0.25	0.0	0.71	0.61	B
RhB	Rillito	Sandy Loam	0.29	----	0.32	0.22	0.0	0.65	0.55	B
RpE	Rillito	Sandy Loam	0.39	----	0.35	0.25	0.0	0.71	0.61	B
Rs	Rock outcrop	----------	0.30	----	0.32	0.22	65.0	0.67	0.57	D*
SUNCITY	Suncity	Clay Loam	0.04	----	0.25	0.15	0.0	0.50	0.40	D*
Ta	Toltec	Loam	0.25	----	0.35	0.25	0.0	0.80	0.70	C
TB	Torri-	Loamy Sand	1.20	----	0.35	0.30	0.0	0.80	0.80	A
Tc	Torri-	Loamy Sand	1.20	----	0.35	0.30	0.0	0.80	0.80	A
TD	Torri-	Loamy Sand	1.20	----	0.35	0.30	0.0	0.80	0.80	A
Te	Tremant	Sandy Clay Loam	0.09	----	0.26	0.16	0.0	0.61	0.51	B*
TfA	Tremant	Sandy Clay Loam	0.07	----	0.26	0.16	0.0	0.60	0.50	B*
TfB	Tremant	Sandy Clay Loam	0.09	----	0.26	0.16	0.0	0.61	0.51	B*
Tg	Tremant	Sandy Clay Loam	0.07	----	0.25	0.15	0.0	0.59	0.49	B*
Th	Tremant	Sandy Clay Loam	0.08	----	0.26	0.16	0.0	0.61	0.51	B*
TPB	Tremant	Sandy Clay Loam	0.10	----	0.26	0.17	0.0	0.62	0.52	B*
TrA	Tremant	Sandy Clay Loam	0.09	----	0.26	0.16	0.0	0.61	0.51	B*
TrB	Tremant	Sandy Clay Loam	0.27	----	0.31	0.21	0.0	0.66	0.56	B*
TSC	Tremant	Sandy Clay Loam	0.14	----	0.26	0.17	0.0	0.62	0.53	B*
Tt	Trix	Clay Loam	0.05	----	0.26	0.16	0.0	0.51	0.41	B*
Tu	Tucson	Loam	0.24	----	0.35	0.25	0.0	0.79	0.69	B
Tw	Tucson	Loam	0.24	----	0.35	0.25	0.0	0.79	0.69	B
Va	Valencia	Sandy Loam	0.37	----	0.35	0.25	0.0	0.70	0.60	B
Vb	Valencia	Sandy Loam	0.38	----	0.35	0.25	0.0	0.72	0.62	B
Vc	Valencia	Sandy Loam	0.44	----	0.35	0.25	0.0	0.71	0.62	B

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (dry)	DTHETA (normal)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
Ve	Vecont	Clay	0.04	----	0.18	0.08	0.0	0.36	0.26	D
Vf	Vecont	Clay	0.04	----	0.18	0.08	0.0	0.36	0.26	D
Vg	Vint	Loamy Sand	1.07	----	0.35	0.29	0.0	0.79	0.77	B*
Vh	Vint	Loamy Sand	1.06	----	0.35	0.29	0.0	0.78	0.76	B*
Vk	Vint	Loamy Sand	1.03	----	0.35	0.29	0.0	0.79	0.77	B*
Vn	Vint	Loamy Sand	0.98	----	0.33	0.27	0.0	0.74	0.72	B*
Vr	Vint	Loamy Sand	1.12	----	0.35	0.29	0.0	0.79	0.78	B*
Wg	Wintersburg	Clay Loam	0.05	----	0.25	0.15	0.0	0.51	0.41	C

Maricopa County, Aguila - Carefree Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	XKSAT/ CNSTL (in/hr)	PSIF (in)	DTHETA (dry)	DTHETA (normal)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
3	-----	Sandy Loam	1.78	----	0.35	0.27	0.0	0.90	0.84	B
10	-----	Loamy Sand	2.39	----	0.35	0.29	0.0	0.99	0.97	A
18	-----	Loamy Sand	0.98	----	0.34	0.28	15.0	0.76	0.74	D*
29	-----	Sandy Loam	0.40	----	0.35	0.25	0.0	0.70	0.60	B
44	-----	Sandy Clay Loam	0.10	----	0.26	0.16	0.0	0.61	0.51	C
48	-----	Sandy Clay Loam	0.54	----	0.30	0.22	0.0	0.69	0.63	C
49	-----	Sandy Clay Loam	0.55	----	0.30	0.22	0.0	0.69	0.63	B
98	-----	Sandy Clay Loam	0.23	----	0.30	0.20	0.0	0.65	0.55	B
100	-----	Loamy Sand	0.86	----	0.34	0.27	20.0	0.75	0.71	D*

Arranged to match the sequence of MCUHP1/2 programs

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	DTHETA (dry)	DTHETA (normal)	PSIF (in)	XKSAT/ CNSTL (in/hr)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
Aa	Agualt	Loam	0.35	0.25	----	0.29	0.0	0.79	0.70	B
AbA	Antho	Sandy Loam	0.35	0.25	----	0.39	0.0	0.71	0.61	B
AbB	Antho	Sandy Loam	0.35	0.25	----	0.39	0.0	0.70	0.60	B
Ac	Antho	Sandy Loam	0.35	0.25	----	0.39	0.0	0.71	0.61	B
AdA	Antho	Sandy Loam	0.35	0.25	----	0.40	0.0	0.70	0.60	B
AdB	Antho	Sandy Loam	0.35	0.25	----	0.43	0.0	0.70	0.61	B
Ae	Antho	Sandy Loam	0.35	0.25	----	0.41	0.0	0.71	0.61	B
AfA	Antho	Sandy Loam	0.35	0.27	----	0.67	0.0	0.74	0.68	B
AfB	Antho	Sandy Loam	0.35	0.26	----	0.60	0.0	0.73	0.65	B
AGB	Antho	Sandy Loam	0.35	0.26	----	0.62	0.0	0.72	0.65	B
AHC	Antho	Sandy Loam	0.32	0.22	----	0.30	0.0	0.68	0.58	B
AKB	Antho	Sandy Loam	0.32	0.22	----	0.33	0.0	0.66	0.57	B
AL	Antho	Sandy Loam	0.35	0.25	----	0.42	2.5	0.71	0.61	B
AM	Antho	Sandy Loam	0.34	0.24	----	0.37	0.0	0.69	0.59	B
An	Avonda	Clay Loam	0.27	0.17	----	0.07	0.0	0.54	0.44	B*
Ao	Avondale	Clay Loam	0.26	0.16	----	0.06	0.0	0.52	0.42	B*
Ap	Avondale	Clay Loam	0.26	0.16	----	0.05	0.0	0.51	0.41	B*
BE	Beardsley	Clay Loam	0.25	0.15	----	0.05	0.0	0.50	0.40	C
Br	Brios	Sandy Loam	0.35	0.26	----	0.52	0.0	0.72	0.63	A*
Bs	Brios	Sandy Loam	0.35	0.25	----	0.46	0.0	0.71	0.62	A*
Bt	Brios	Sandy Loam	0.35	0.26	----	0.50	0.0	0.71	0.62	A*
CA2	Calthiorids	Sandy Loam	0.35	0.25	----	0.39	0.0	0.71	0.61	B
Cb	Carrizo	Loamy Sand	0.35	0.30	----	1.12	0.0	0.79	0.78	A
CeD	Carrizo	Loamy Sand	0.31	0.24	----	0.78	5.0	0.73	0.69	A
CF	Carrizo	Loamy Sand	0.35	0.28	----	0.92	0.0	0.77	0.73	A

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	DTHETA (dry)	DTHETA (normal)	PSIF (in)	XKSAT/ CNSTL (in/hr)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
Cg	Casa Grande	Loam	0.35	0.25	----	0.25	0.0	0.79	0.69	C
Ch	Casa Grande	Loam	0.35	0.25	----	0.24	0.0	0.79	0.69	C
Ck	Casa Grande	Loam	0.34	0.24	----	0.22	0.0	0.76	0.66	C
Cm	Casa Grande	Loam	0.35	0.25	----	0.26	0.0	0.80	0.70	C
Cn	Cashion	Clay	0.17	0.07	----	0.02	0.0	0.34	0.24	D
Co	Cherioni	Sandy loam	0.34	0.24	----	0.36	20.0	0.70	0.60	D*
Cp	Coolidge	Sandy loam	0.35	0.25	----	0.39	0.0	0.70	0.60	B
CrB	Coolidge	Sandy loam	0.35	0.25	----	0.40	0.0	0.70	0.60	B
Cs	Coolidge	Sandy loam	0.32	0.22	----	0.28	0.0	0.67	0.57	B
CV	Coolidge	Sandy loam	0.35	0.25	----	0.34	0.0	0.74	0.64	B
Dm	Dune Land	Sand	0.35	0.30	----	4.60	0.0	1.30	1.30	A
EbD	Ebon	Sandy Clay Loam	0.26	0.16	----	0.14	5.0	0.62	0.52	C
EpD	Ebon	Sandy Clay Loam	0.29	0.19	----	0.21	0.0	0.64	0.54	C
Es	Estrella	Loam	0.35	0.25	----	0.25	0.0	0.79	0.69	B
Et	Estrella	Loam	0.35	0.25	----	0.25	0.0	0.80	0.70	B
GA	Gashado	Sandy Clay Loam	0.28	0.18	----	0.16	40.0	0.64	0.54	D*
Gb	Gadsden	Clay	0.16	0.06	----	0.02	0.0	0.32	0.22	D
Gc	Gadsden	Clay	0.17	0.07	----	0.02	0.0	0.33	0.23	D
Gd	Gadsden	Clay	0.16	0.06	----	0.02	0.0	0.32	0.22	D
Ge	Gilman	Loam	0.35	0.25	----	0.29	0.0	0.79	0.70	B
Gf	Gilman	Loam	0.35	0.25	----	0.30	0.0	0.78	0.68	B
GgA	Gilman	Loam	0.35	0.25	----	0.25	0.0	0.79	0.69	B
GgB	Gilman	Loam	0.35	0.25	----	0.26	0.0	0.79	0.69	B
Gh	Gilman	Loam	0.35	0.25	----	0.25	0.0	0.79	0.69	B

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	DTHETA (dry)	DTHETA (normal)	PSIF (in)	XKSAT/ CNSTL (in/hr)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
GL	Gilman	Loam	0.35	0.25	----	0.29	0.0	0.78	0.68	B
GM	Gilman	Loam	0.35	0.25	----	0.33	0.0	0.77	0.67	B
GN	Gilman	Loam	0.35	0.25	----	0.25	0.0	0.79	0.69	B
Go3	Gilman	Loam	0.36	0.25	----	0.27	0.0	0.74	0.64	B
Gp	Gilman Variant	Loam	0.35	0.25	----	0.24	0.0	0.79	0.69	C
Gr	Glenbar	Silty Loam	0.39	0.25	----	0.15	0.0	0.62	0.52	B
Gs	Glenbar	Silty Loam	0.38	0.24	----	0.15	0.0	0.61	0.51	B
Gt	Glenbar	Silty Loam	0.38	0.24	----	0.14	0.0	0.59	0.49	B
Gu	Glenbar	Silty Loam	0.37	0.23	----	0.14	0.0	0.58	0.48	B
Gv	Glenbar	Silty Loam	0.37	0.23	----	0.13	0.0	0.57	0.47	B
GWD	Gunsight	Sandy Loam	0.35	0.25	----	0.40	0.0	0.74	0.64	B
GxA	Gunsight	Sandy Loam	0.35	0.25	----	0.39	0.0	0.70	0.60	B
GxB	Gunsight	Sandy Loam	0.35	0.25	----	0.39	0.0	0.70	0.60	B
GYD	Gunsight	Sandy Loam	0.35	0.25	----	0.41	0.0	0.71	0.62	B
HAB	Harqua	Clay Loam	0.26	0.16	----	0.08	0.0	0.53	0.43	C
HAC	Harqua	Clay Loam	0.26	0.17	----	0.09	0.0	0.54	0.44	C
HLC	Harqua	Clay Loam	0.31	0.21	----	0.25	0.0	0.62	0.52	C
HM	Harqua	Clay Loam	0.31	0.21	----	0.20	0.0	0.66	0.56	C
HrB	Harqua	Clay Loam	0.30	0.20	----	0.20	0.0	0.60	0.50	C
La	La Palma	Silty Loam	0.39	0.25	----	0.16	0.0	0.62	0.52	C
Lb	Laveen	Loam	0.35	0.25	----	0.27	0.0	0.79	0.69	B
LcA	Laveen	Loam	0.35	0.25	----	0.25	0.0	0.79	0.69	B
LcB	Laveen	Loam	0.35	0.25	----	0.26	0.0	0.79	0.69	B

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	DTHETA (dry)	DTHETA (normal)	PSIF (in)	XKSAT/ CNSTL (in/hr)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
Ld	Laveen	Loam	0.35	0.25	----	0.26	0.0	0.80	0.70	B
Le	Laveen	Loam	0.34	0.23	----	0.23	0.0	0.76	0.66	B
Lf	Laveen	Loam	0.35	0.25	----	0.30	0.0	0.77	0.67	B
Ma	Maripo	Sandy Loam	0.35	0.25	----	0.40	0.0	0.70	0.60	B
Mo	Mohall	Clay Loam	0.26	0.16	----	0.06	0.0	0.52	0.42	B*
Mp	Mohall	Clay Loam	0.26	0.16	----	0.05	0.0	0.52	0.42	B*
Mr	Mohall	Clay Loam	0.25	0.15	----	0.05	0.0	0.52	0.42	B*
Ms	Mohall	Clay Loam	0.25	0.15	----	0.04	0.0	0.49	0.39	B*
MTB	Mohall	Clay Loam	0.28	0.18	----	0.12	0.0	0.60	0.50	B*
MV	Mohall	Clay Loam	0.30	0.20	----	0.14	0.0	0.65	0.55	B*
Pa	Perryville	Sandy Loam	0.35	0.25	----	0.39	0.0	0.71	0.61	B
Pb	Perryville	Sandy Loam	0.35	0.25	----	0.39	0.0	0.71	0.61	B
PeA	Perryville	Sandy Loam	0.35	0.25	----	0.38	0.0	0.70	0.60	B
PeB	Perryville	Sandy Loam	0.35	0.25	----	0.39	0.0	0.71	0.61	B
PRB	Perryville	Sandy Loam	0.35	0.25	----	0.39	0.0	0.70	0.60	B
PsA	Pinal	Loam	0.35	0.25	----	0.25	0.0	0.79	0.69	D*
PsB	Pinal	Loam	0.35	0.25	----	0.27	0.0	0.78	0.68	D*
PT	Pinal	Loam	0.35	0.25	----	0.26	0.0	0.79	0.69	D*
PvB	Pinal	Loam	0.36	0.25	----	0.23	0.0	0.75	0.65	D*
PWB	Pinal	Loam	0.31	0.21	----	0.17	0.0	0.68	0.58	D*
PYD	Pinmat	Sandy Loam	0.31	0.22	----	0.33	0.0	0.67	0.58	B
RaA	Rillito	Sandy Loam	0.35	0.25	----	0.37	0.0	0.70	0.60	B
RaB	Rillito	Sandy Loam	0.35	0.25	----	0.39	0.0	0.71	0.61	B
RbA	Rillito	Sandy Loam	0.35	0.25	----	0.38	0.0	0.70	0.60	B

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	DTHETA (dry)	DTHETA (normal)	PSIF (in)	XKSAT/ CNSTL (in/hr)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
RbB	Rillito	Sandy Loam	0.35	0.25	----	0.38	0.0	0.71	0.61	B
RhB	Rillito	Sandy Loam	0.32	0.22	----	0.29	0.0	0.65	0.55	B
RpE	Rillito	Sandy Loam	0.35	0.25	----	0.39	0.0	0.71	0.61	B
Rs	Rock outcrop	----------	0.32	0.22	----	0.30	65.0	0.67	0.57	D*
SUNCITY	Suncity	Clay Loam	0.25	0.15	----	0.04	0.0	0.50	0.40	D*
Ta	Toltec	Loam	0.35	0.25	----	0.25	0.0	0.80	0.70	C
TB	Torri-	Loamy Sand	0.35	0.30	----	1.20	0.0	0.80	0.80	A
Tc	Torri-	Loamy Sand	0.35	0.30	----	1.20	0.0	0.80	0.80	A
TD	Torri-	Loamy Sand	0.35	0.30	----	1.20	0.0	0.80	0.80	A
Te	Tremant	Sandy Clay Loam	0.26	0.16	----	0.09	0.0	0.61	0.51	B*
TfA	Tremant	Sandy Clay Loam	0.26	0.16	----	0.07	0.0	0.60	0.50	B*
TfB	Tremant	Sandy Clay Loam	0.26	0.16	----	0.09	0.0	0.61	0.51	B*
Tg	Tremant	Sandy Clay Loam	0.25	0.15	----	0.07	0.0	0.59	0.49	B*
Th	Tremant	Sandy Clay Loam	0.26	0.16	----	0.08	0.0	0.61	0.51	B*
TPB	Tremant	Sandy Clay Loam	0.26	0.17	----	0.10	0.0	0.62	0.52	B*
TrA	Tremant	Sandy Clay Loam	0.26	0.16	----	0.09	0.0	0.61	0.51	B*
TrB	Tremant	Sandy Clay Loam	0.31	0.21	----	0.27	0.0	0.66	0.56	B*
TSC	Tremant	Sandy Clay Loam	0.26	0.17	----	0.14	0.0	0.62	0.53	B*
Tt	Trix	Clay Loam	0.26	0.16	----	0.05	0.0	0.51	0.41	B*
Tu	Tucson	Loam	0.35	0.25	----	0.24	0.0	0.79	0.69	B
Tw	Tucson	Loam	0.35	0.25	----	0.24	0.0	0.79	0.69	B
Va	Valencia	Sandy Loam	0.35	0.25	----	0.37	0.0	0.70	0.60	B
Vb	Valencia	Sandy Loam	0.35	0.25	----	0.38	0.0	0.72	0.62	B
Vc	Valencia	Sandy Loam	0.35	0.25	----	0.44	0.0	0.71	0.62	B

Maricopa County - Central Part Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	DTHETA (dry)	DTHETA (normal)	PSIF (in)	XKSAT/ CNSTL (in/hr)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
Ve	Vecont	Clay	0.18	0.08	----	0.04	0.0	0.36	0.26	D
Vf	Vecont	Clay	0.18	0.08	----	0.04	0.0	0.36	0.26	D
Vg	Vint	Loamy Sand	0.35	0.29	----	1.07	0.0	0.79	0.77	B*
Vh	Vint	Loamy Sand	0.35	0.29	----	1.06	0.0	0.78	0.76	B*
Vk	Vint	Loamy Sand	0.35	0.29	----	1.03	0.0	0.79	0.77	B*
Vn	Vint	Loamy Sand	0.33	0.27	----	0.98	0.0	0.74	0.72	B*
Vr	Vint	Loamy Sand	0.35	0.29	----	1.12	0.0	0.79	0.78	B*
Wg	Wintersburg	Clay Loam	0.25	0.15	----	0.05	0.0	0.51	0.41	C

Maricopa County, Aguila - Carefree Loss Rate Parameters
(map units weighted average values)

Map Unit	Soil Series	Textural class (Major Components)	DTHETA (dry)	DTHETA (normal)	PSIF (in)	XKSAT/ CNSTL (in/hr)	ROCKOU TCROPS (%)	IL(DRY) (in) (Top Horizon)	IL(NORM.) (in) (Top Horizon)	H. S. G.
3	----	Sandy Loam	0.35	0.27	----	1.78	0.0	0.90	0.84	B
10	----	Loamy Sand	0.35	0.29	----	2.39	0.0	0.99	0.97	A
18	----	Loamy Sand	0.34	0.28	----	0.98	15.0	0.76	0.74	D*
29	----	Sandy Loam	0.35	0.25	----	0.40	0.0	0.70	0.60	B
44	----	Sandy Clay Loam	0.26	0.16	----	0.10	0.0	0.61	0.51	C
48	----	Sandy Clay Loam	0.30	0.22	----	0.54	0.0	0.69	0.63	C
49	----	Sandy Clay Loam	0.30	0.22	----	0.55	0.0	0.69	0.63	B
98	----	Sandy Clay Loam	0.30	0.20	----	0.23	0.0	0.65	0.55	B
100	----	Loamy Sand	0.34	0.27	----	0.86	20.0	0.75	0.71	D*