AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) - - VERSION: 1997.02c RUN DATE (MON/DAY/YR) =02/06/2008
INPUT FILE = TRAILS.TXT USER NO.= AHYMO-C-9803c01UNMLIB-AH

COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 1 NOTATION
START										TIME= .00
RAINFALL TYPE= 2										RAIN24= 2.660
SEDIMENT BULK										PK BF = 1.00
*S**********										
*S**********	COMPUTE ONSITE BASINS FROM THE TRAILS									
*S**********										
COMPUTE NM HYD	OFFSITE1	-	50	.19980	37.00	4.426	.41534	2.000	.289	PER IMP= .00
ROUTE RESERVOIR	OFF.POND.1	50	53	.19980	9.25	4.426	.41533	3.200	.072	AC-FT= 2.302
ROUTE MCUNGE	RTE.OFF.POND	53	54	.19980	9.26	4.426	.41537	3.200	.072	CCODE = .2
COMPUTE NM HYD	BASIN.A1	-	21	.02422	51.68	2.610	2.02069	1.500	3.334	PER IMP= 75.00
COMPUTE NM HYD	BASIN.A2	-	22	.01331	23.43	.960	1.35259	1.500	2.750	PER IMP= 34.00
COMPUTE NM HYD	BASIN.A3	-	23	.00502	11.41	.606	2.26512	1.500	3.550	PER IMP= 90.00
COMPUTE NM HYD	BASIN.A4	-	24	.01186	26.39	1.381	2.18365	1.500	3.477	PER IMP= 85.00
COMPUTE NM HYD	BASIN.A5	-	25	.01830	37.55	1.829	1.87404	1.500	3.206	PER IMP= 66.00
COMPUTE NM HYD	BASIN.A6	-	26	.02652	53.44	2.558	1.80886	1.500	3.149	PER IMP= 62.00
COMPUTE NM HYD	BASIN.A7	-	27	.01055	22.52	1.137	2.02070	1.500	3.335	PER IMP= 75.00
ADD HYD	O1.A2	54&22	55	.21311	25.89	5.386	.47390	1.500	.190	
ADD HYD	O1A2.A1	55&21	56	.23733	77.57	7.996	.63175	1.500	.511	
ADD HYD	O1A2A1.A3	56&23	57	.24235	88.97	8.603	.66558	1.500	.574	
ROUTE MCUNGE	RTE.O1A2A1.A	57	58	.24235	80.93	8.569	.66299	1.500	.522	CCODE = .1
ADD HYD	A1TOA5	58&25	59	.26065	118.48	10.398	.74801	1.500	.710	
ROUTE RESERVOIR	POND.A5	59	60	.26065	15.82	10.398	.74801	2.300	.095	AC-FT= 3.996
ROUTE MCUNGE	RTE.A4	24	61	.01186	24.62	1.372	2.16943	1.500	3.243	CCODE = .1
ADD HYD	RTE.A4.A6	61&26	62	.03838	78.06	3.931	1.92024	1.500	3.178	
ADD HYD	RTEA4A6.POND	62&60	63	.29903	84.06	14.329	.89845	1.500	.439	
ROUTE RESERVOIR	POND.A6	63	64	.29903	16.11	14.329	.89845	3.100	.084	AC-FT= 3.142
ADD HYD	PONDA6.A7	64&27	65	.30958	28.42	15.466	.93669	1.500	.143	
ROUTE MCUNGE	RTE.A6.A7	65	66	.30958	28.42	15.466	.93669	1.500	.143	CCODE = .0
COMPUTE NM HYD	BASIN.D1	-	25	.01816	36.60	1.752	1.80886	1.500	3.149	PER IMP= 62.00
ADD HYD	A6.A7.D1	66&25	67	.32774	65.02	17.218	.98501	1.500	.310	
ROUTE RESERVOIR	POND.D1	67	68	.32774	51.59	17.288	.98906	1.500	.246	AC-FT= .348
ROUTE MCUNGE	RTE.D1	68	69	.32774	51.59	17.288	.98906	1.500	.246	CCODE = .0
COMPUTE NM HYD	BASIN.D2	-	25	.03456	63.65	2.763	1.49925	1.500	2.878	PER IMP= 43.00
ADD HYD	PONDD1.D2	69&25	70	.36230	115.24	20.052	1.03772	1.500	.497	
COMPUTE NM HYD	BASIN.D3	-	26	.00580	13.18	.701	2.26512	1.500	3.550	PER IMP= 90.00
ADD HYD	D1.D2.D3	70&26	71	.36810	128.42	20.752	1.05706	1.500	.545	
COMPUTE NM HYD	BASIN.D4	-	27	.01809	33.32	1.446	1.49925	1.500	2.878	PER IMP= 43.00
DIVIDE HYD	BYPASS.INLET	27	1	.00892	5.39	.713	1.49923	1.300	.944	
	SURGE.INLET	and	2	.00917	27.93	.733	1.49923	1.500	4.760	
COMPUTE NM HYD	BASIN.POND.D	-	4	.00219	3.41	.114	.97961	1.500	2.429	PER IMP= 11.11

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ADD HYD            D4.POND.D  2& 4   5        .01136        31.34         .847      1.39902    1.500    4.311
*S****** NEW POND D INFLOW HYDROGRAPH
ADD HYD            D1D2D3.D4 71& 5  73        .37946       159.76       21.600      1.06730    1.500     .658
DIVIDE HYD          BYPASS.D   73   31        .26477        13.77       15.071      1.06730    1.300     .081
                     SURGE.D  and   32        .11469       145.99        6.528      1.06730    1.500    1.989
ROUTE RESERVOIR       POND.D   32   50        .11469         6.62        6.527      1.06709    2.400     .090 AC-FT=    4.953
ROUTE MCUNGE           RTE.D   50   51        .11469         6.62        6.523      1.06642    2.700     .090 CCODE =      .1
ADD HYD         BYPASS.RTE.D 51&31  75        .37946        20.39       21.594      1.06702    2.700     .084
COMPUTE NM HYD        BASIN.C   -    20        .01278        24.36        1.100      1.61332    1.500    2.978 PER IMP=  50.00
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COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 2 NOTATION
ROUTE MCUNGE	RTE.C	20	76	.01278	23.74	1.096	1.60827	1.600	2.902	CCODE = .1
COMPUTE NM HYD	BASIN.F1	-	20	.02208	43.39	2.025	1.71939	1.500	3.071	PER IMP= 56.50
ADD HYD	C.F1	76&20	77	.03486	64.42	3.121	1.67860	1.500	2.888	
COMPUTE NM HYD	BASIN.F2	-	21	.00573	13.02	.692	2.26512	1.500	3.550	PER IMP= 90.00
ADD HYD	CF1.F2	77&21	78	.04059	77.44	3.813	1.76139	1.500	2.981	
ROUTE MCUNGE	RTE.CF1F2	78	79	.04059	76.94	3.816	1.76280	1.500	2.962	CCODE = .2
COMPUTE NM HYD	BASIN.F3	-	22	.03563	70.02	3.267	1.71938	1.500	3.070	PER IMP= 56.50
ADD HYD	CF1F2.F3	79&22	70	.07622	146.95	7.083	1.74248	1.500	3.012	
COMPUTE NM HYD	BASIN.F4	-	23	.03892	74.16	3.349	1.61331	1.500	2.977	PER IMP= 50.00
ADD HYD	CF1F2F3.F4	70&23	71	.11514	221.12	10.432	1.69882	1.500	3.001	
ADD HYD	CF1F2F3F4.D	71&75	70	.49460	235.07	32.026	1.21410	1.500	.743	
COMPUTE NM HYD	BASIN.F5	-	24	.01852	39.52	1.996	2.02070	1.500	3.334	PER IMP= 75.00
COMPUTE NM HYD	BASIN.J10	-	25	.00628	14.27	.759	2.26512	1.500	3.550	PER IMP= 90.00
COMPUTE NM HYD	BASIN.J11	-	26	.00733	16.65	.886	2.26512	1.500	3.549	PER IMP= 90.00
ADD HYD	J10.J11	25&26	23	.01361	30.92	1.644	2.26508	1.500	3.550	
ROUTE MCUNGE	RTE.J10J11	23	10	.01361	29.01	1.634	2.25104	1.500	3.330	CCODE = .1
COMPUTE NM HYD	BASIN.F7	-	26	.01097	24.42	1.278	2.18365	1.500	3.478	PER IMP= 85.00
ROUTE MCUNGE	RTE.F7	26	74	.01097	23.37	1.269	2.16910	1.500	3.328	CCODE = .1
ADD HYD	F7.F5	74&24	75	.02949	62.89	3.265	2.07585	1.500	3.332	
COMPUTE NM HYD	TRACT.1	-	3	.02717	54.00	2.550	1.75997	1.500	3.105	PER IMP= 59.00
*S****** POND F5 INFLOW HYDROGRAPH (PREV ID 27)										
ADD HYD	S.F5	3& 1	41	.03609	59.39	3.264	1.69551	1.500	2.571	
ADD HYD	F578.D56	41&75	42	.06558	122.28	6.529	1.86653	1.500	2.913	
ROUTE RESERVOIR	POND.F5	42	52	.06558	60.11	6.529	1.86653	1.700	1.432	AC-FT= 1.980
ROUTE MCUNGE	RTE.PONDF5	52	77	.06558	58.75	6.504	1.85943	1.700	1.400	CCODE = .2
ADD HYD	F1TOF8	77&70	79	.56018	258.65	38.530	1.28965	1.500	.721	
DIVIDE HYD	BYPASS.F	79	31	.15885	6.20	10.926	1.28965	1.200	.061	
	SURGE.F	and	32	.40133	252.45	27.604	1.28965	1.500	.983	
ROUTE RESERVOIR	POND.F	32	52	.40133	29.95	27.616	1.29021	3.000	.117	AC-FT= 11.936
ADD HYD	BYPASSF.POND	31&52	53	.56018	36.15	38.542	1.29004	3.000	.101	
ROUTE MCUNGE	RTE.PONDF	53	77	.56018	33.85	38.510	1.28898	3.100	.094	CCODE = .2
COMPUTE NM HYD	BASIN.G1	-	20	.02531	48.23	2.178	1.61331	1.500	2.978	PER IMP= 50.00
ROUTE MCUNGE	RTE.G1	20	78	.02531	48.23	2.178	1.61330	1.500	2.978	CCODE = .0
COMPUTE NM HYD	BASIN.G2	-	21	.02530	48.22	2.177	1.61331	1.500	2.978	PER IMP= 50.00
ADD HYD	G1.G2	78&21	30	.05061	96.45	4.355	1.61330	1.500	2.978	
ADD HYD	G1G2.PONDF	30&77	31	.61079	111.17	42.864	1.31585	1.500	.284	
DIVIDE HYD	BYPASS.G	31	32	.43916	17.61	30.820	1.31585	1.300	.063	
	SURGE.G	and	33	.17163	93.56	12.045	1.31585	1.500	.852	
ROUTE RESERVOIR	POND.G	33	34	.17163	7.94	12.045	1.31585	4.800	.072	AC-FT= 3.941
ROUTE MCUNGE	RTE.PONDG	34	78	.17163	7.96	12.047	1.31607	4.800	.072	CCODE = .2
ADD HYD	BYPASS.RTE.G	78&32	79	.61079	25.57	42.866	1.31590	4.800	.065	
COMPUTE NM HYD	OFFSITE2	-	55	.08050	13.87	1.783	.41534	2.000	.269	PER IMP= .00

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ROUTE RESERVOIR     OFFPOND2   55   50        .08050         4.43       1.783       .41534    3.100     .086 AC-FT=     .813
ROUTE MCUNGE    RTE.OFFPOND2   50   70        .08050         4.43       1.783       .41538    3.200     .086 CCODE =      .2
COMPUTE NM HYD       BASIN.B    -   30        .01998        34.80       1.407      1.32000    1.500    2.721 PER IMP=  32.00
ROUTE RESERVOIR       POND.B   30   51        .01998         3.36       1.407      1.31999    2.100     .263 AC-FT=     .930
ROUTE MCUNGE       RTE.PONDB   51   71        .01998         3.36       1.407      1.32010    2.100     .263 CCODE =      .2
COMPUTE NM HYD     BASINE1.1    -   30        .02753        48.45       1.986      1.35259    1.500    2.750 PER IMP=  34.00
ADD HYD              OFF.E11 70&30   73        .10803        48.80       3.769       .65420    1.500     .706
COMPUTE NM HYD     BASINE1.2    -   31        .00588        10.36        .424       1.35259    1.500    2.752 PER IMP=  34.00
COMPUTE NM HYD      BASIN.E2    -   32        .01348        27.42       1.324      1.84145    1.500    3.178 PER IMP=  64.00
ADD HYD               E2.E12 31&32   72        .01936        37.77       1.748      1.69294    1.500    3.049
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COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	PAGE = 3 NOTATION
ROUTE MCUNGE	RTE.E12	72	76	.01936	31.30	1.684	1.63074	1.600	2.526	CCODE = .2
COMPUTE NM HYD	BASIN.E3	-	33	.01197	22.82	1.030	1.61331	1.500	2.978	PER IMP= 50.00
COMPUTE NM HYD	BASIN.E4	-	34	.00577	13.11	.697	2.26513	1.500	3.550	PER IMP= 90.00
ADD HYD	E3.E4	33&34	74	.01774	35.93	1.727	1.82529	1.500	3.164	
ADD HYD	E3E4.PONDB	74&71	75	.03772	38.54	3.134	1.55766	1.500	1.597	
ADD HYD	E3E4B.OFFE11	75&73	74	.14575	87.35	6.903	.88801	1.500	.936	
ROUTE MCUNGE	RTE.E1E4	74	77	.14575	87.35	6.903	.88801	1.500	.936	CCODE = .0
ADD HYD	E1E4.E12	77&76	78	.16511	118.54	8.587	.97509	1.500	1.122	
COMPUTE NM HYD	BASIN.E5	-	35	.04402	80.67	3.482	1.48295	1.500	2.863	PER IMP= 42.00
ADD HYD	E1E4.E5	78&35	80	.20913	199.20	12.068	1.08199	1.500	1.488	
COMPUTE NM HYD	BASIN.E6	-	36	.00488	11.09	.590	2.26512	1.500	3.550	PER IMP= 90.00
ADD HYD	E1E6	80&36	40	.21401	210.29	12.658	1.10897	1.500	1.535	
DIVIDE HYD	BYPASS.E	40	61	.10387	15.50	6.143	1.10897	1.300	.233	
	SURGE.E	and	62	.11014	194.79	6.514	1.10897	1.500	2.763	
ROUTE RESERVOIR	POND.E	62	37	.11014	6.80	6.520	1.10998	2.100	.096	AC-FT= 6.008
ADD HYD	TOTALE	61&37	40	.21401	22.30	12.663	1.10945	2.100	.163	
ROUTE MCUNGE	RTE.PONDE	40	38	.21401	22.31	12.665	1.10965	2.100	.163	CCODE = .2
COMPUTE NM HYD	BASIN.P	-	32	.00845	10.08	.327	.72623	1.500	1.865	PER IMP= 7.00
COMPUTE NM HYD	BASIN.H1	-	33	.01825	37.78	1.856	1.90663	1.500	3.234	PER IMP= 68.00
ADD HYD	PONDE.H1	38&33	43	.23226	57.64	14.521	1.17226	1.500	.388	
COMPUTE NM HYD	BASIN.H2	-	34	.00836	19.16	1.018	2.28220	1.500	3.582	PER IMP= 90.00
ADD HYD	P.H2	32&34	44	.01681	29.25	1.345	1.50001	1.500	2.718	
ADD HYD	PH2.H1	44&43	45	.24907	86.88	15.866	1.19438	1.500	.545	
COMPUTE NM HYD	BASIN.H3	-	35	.01191	23.79	1.128	1.77627	1.500	3.121	PER IMP= 60.00
ADD HYD	PH1H3	45&35	46	.26098	110.67	16.994	1.22093	1.500	.663	
DIVIDE HYD	BYPASS.H	46	47	.21038	21.60	13.699	1.22093	1.300	.160	
	SURGE.H	and	48	.05060	89.07	3.295	1.22093	1.500	2.751	
ROUTE RESERVOIR	POND.H	48	30	.05060	5.20	3.295	1.22093	2.300	.161	AC-FT= 2.870
ROUTE MCUNGE	RTE.PONDH	30	49	.05060	5.20	3.295	1.22104	2.400	.161	CCODE = .2
ADD HYD	BYPASS.RTE.H	49&47	31	.26098	26.80	16.994	1.22095	2.400	.160	
COMPUTE NM HYD	BASIN.K1	-	20	.02673	50.54	2.579	1.80886	1.500	2.954	PER IMP= 62.00
ADD HYD	PONDH.K1	31&20	32	.28771	73.45	19.573	1.27557	1.500	.399	
ROUTE MCUNGE	RTE.K1	32	33	.28771	73.45	19.573	1.27557	1.500	.399	CCODE = .0
COMPUTE NM HYD	BASIN.K2	-	21	.01486	29.39	1.537	1.93922	1.500	3.090	PER IMP= 70.00
ADD HYD	K1.K2	33&21	34	.30257	102.84	21.110	1.30816	1.500	.531	
COMPUTE NM HYD	BASIN.K3	-	22	.00914	20.76	1.104	2.26513	1.500	3.549	PER IMP= 90.00
ADD HYD	PONDG.K3	79&22	24	.61993	41.03	43.970	1.32990	1.500	.103	
COMPUTE NM HYD	BASIN.K4	-	23	.01340	18.28	.527	.73726	1.500	2.132	PER IMP= .00
ADD HYD	K3.K4	24&23	25	.63333	59.31	44.497	1.31736	1.500	.146	
COMPUTE NM HYD	BASIN.J1	-	81	.00517	11.04	.557	2.02069	1.500	3.336	PER IMP= 75.00
COMPUTE NM HYD	BASIN.J2	-	82	.01706	36.40	1.839	2.02069	1.500	3.334	PER IMP= 75.00
COMPUTE NM HYD	BASIN.J3	-	83	.00580	11.70	.560	1.80886	1.500	3.151	PER IMP= 62.00

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COMPUTE NM HYD      BASIN.J4   -    84        .01006        21.47       1.084      2.02069    1.500    3.335 PER IMP=  75.00
COMPUTE NM HYD      BASIN.J5   -    85        .00134         3.05        .162      2.26513    1.500    3.561 PER IMP=  90.00
COMPUTE NM HYD      BASIN.J6   -    86        .00422         9.59        .510      2.26512    1.500    3.551 PER IMP=  90.00
COMPUTE NM HYD      BASIN.J7   -    87        .00444        10.09        .536      2.26512    1.500    3.551 PER IMP=  90.00
COMPUTE NM HYD      BASIN.J8   -    88        .00903        12.31        .355       .73726    1.500    2.130 PER IMP=    .00
COMPUTE NM HYD      BASIN.J9   -    89        .00548        12.20        .638      2.18365    1.500    3.479 PER IMP=  85.00
COMPUTE NM HYD     BASIN.J12   -    12        .01419        10.65        .314       .41534    1.500    1.173 PER IMP=    .00
ADD HYD           J10J11.J6 86&10  11        .01783        38.60       2.144      2.25428    1.500    3.383
ADD HYD          J10J11J6.J9 11&89  95        .02331        50.80       2.782      2.23766    1.500    3.405
ADD HYD         J10J11J6J9.J 85&95  90        .02465        53.86       2.944      2.23914    1.500    3.414
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COMMAND	HYDROGRAPH IDENTIFICATION	FROM ID NO.	TO ID NO.	AREA (SQ MI)	PEAK DISCHARGE (CFS)	RUNOFF VOLUME (AC-FT)	RUNOFF (INCHES)	TIME TO PEAK (HOURS)	CFS PER ACRE	NOTATION	
ROUTE MCUNGE	RTE.J5J6	90	91	.02465	53.86	2.944	2.23914	1.500	3.414	CCODE =	.0
ADD HYD	J1.J4	81&84	93	.01523	32.51	1.641	2.02065	1.500	3.335		
ADD HYD	J1J4.J5J6J9	91&93	94	.03988	86.37	4.585	2.15570	1.500	3.384		
ROUTE MCUNGE	RTE.J14569	94	92	.03988	86.37	4.585	2.15570	1.500	3.384	CCODE =	.0
ADD HYD	J2.J3	82&83	95	.02286	48.10	2.398	1.96692	1.500	3.288		
ADD HYD	J2J3.J7	95&87	94	.02730	58.19	2.934	2.01541	1.500	3.330		
ADD HYD	J145679.J237	94&92	96	.06718	144.56	7.519	2.09869	1.500	3.362		
ADD HYD	J1J7.J8	96&88	97	.07621	156.87	7.875	1.93737	1.500	3.216		
ADD HYD	J1J8.J12	97&12	98	.09040	167.52	8.189	1.69846	1.500	2.895		
DIVIDE HYD	BYPASSJ	98	83	.04558	26.34	4.129	1.69846	1.300	.903		
	SURGEJ	and	84	.04482	141.18	4.060	1.69846	1.500	4.922		
ROUTE RESERVOIR	POND.J	84	90	.04482	6.05	4.059	1.69831	2.100	.211	AC-FT=	3.771
ADD HYD	BYPASS.SURGE	90&83	97	.09040	32.39	8.188	1.69835	2.000	.560		
ROUTE MCUNGE	RTE.J5J6	97	91	.09040	32.34	8.180	1.69667	2.100	.559	CCODE =	.1
COMPUTE NM HYD	BASIN.K5	-	30	.02364	47.63	2.281	1.80886	1.500	3.148	PER IMP=	62.00
COMPUTE NM HYD	BASIN.K6	-	31	.00220	5.01	.266	2.26512	1.500	3.555	PER IMP=	90.00
ADD HYD	K5.K6	30&31	41	.02584	52.64	2.546	1.84768	1.500	3.183		
ADD HYD	K5K6.PONDJ	41&91	43	.11624	80.50	10.726	1.73022	1.500	1.082		
ADD HYD	K5K6PONDJ.K3	43&25	44	.74957	139.80	55.224	1.38138	1.500	.291		
ADD HYD	PONDJK13.K1K	34&44	96	1.05214	242.64	76.334	1.36033	1.500	.360		
DIVIDE HYD	BYPASS.K	96	97	.88425	44.91	64.153	1.36033	1.300	.079		
	SURGE.K	and	98	.16789	197.73	12.181	1.36033	1.500	1.840		
ROUTE RESERVOIR	POND.K	98	70	.16789	15.94	12.181	1.36032	2.800	.148	AC-FT=	8.497
ADD HYD	BYPASS.ROUTE	70&97	99	1.05214	60.85	76.333	1.36032	2.800	.090		
ROUTE MCUNGE	RTE.PONDK	99	1	1.05214	60.66	76.118	1.35648	3.400	.090	CCODE =	.2
COMPUTE NM HYD	UNIVROWNORTH	-	2	.00727	16.51	.878	2.26512	1.500	3.550	PER IMP=	90.00
ADD HYD	UNIVN.PONDK	1& 2	3	1.05941	60.82	76.996	1.36271	3.400	.090		
ROUTE MCUNGE	RTE.UNIVN	3	4	1.05941	60.66	76.902	1.36106	3.900	.089	CCODE =	.2
COMPUTE NM HYD	UNIVROWSOUTH	-	5	.00727	16.51	.878	2.26512	1.500	3.550	PER IMP=	90.00
ADD HYD	UNIVNS.PONDK	4& 5	6	1.06667	60.79	77.780	1.36722	3.900	.089		

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*S******END OF TRAILS DRAINAGE ANALYSIS

FINISH