

AHYMO PROGRAM SUMMARY TABLE (AHYMO_97) -
INPUT FILE = TRAILS-A.TXT

- VERSION: 1997.02c

RUN DATE (MON/DAY/YR) =01/21/2008
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***** 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	01.A2	54&22	55	.21311	25.89	5.386	.47390	1.500	.190		
ADD HYD	01A2.A1	55&21	56	.23733	77.57	7.996	.63175	1.500	.511		
ADD HYD	01A2A1.A3	56&23	57	.24235	88.97	8.603	.66558	1.500	.574		
ROUTE MCUNGE	RTE.01A2A1.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	.01961	36.12	1.568	1.49925	1.500	2.878	PER IMP=	43.00
*S***** NEW POND D INFLOW HYDROGRAPH											
ADD HYD	D1D2D3.D4	71&27	73	.38771	164.54	22.320	1.07943	1.500	.663		
COMPUTE NM HYD	BASIN.D5	-	28	.01155	23.07	1.094	1.77627	1.500	3.121	PER IMP=	60.00

COMPUTE NM HYD	BASIN.D6	-	25	.00781	15.60	.740	1.77627	1.500	3.121	PER IMP=	60.00
DIVIDE HYD	BYPASS.D	73	31	.26503	13.77	15.258	1.07943	1.300	.081		
	SURGE.D	and	32	.12268	150.77	7.062	1.07943	1.500	1.920		
ROUTE RESERVOIR	POND.D	32	50	.12268	6.92	7.060	1.07902	2.700	.088	AC-FT=	5.363
ROUTE MCUNGE	RTE.D	50	51	.12268	6.91	7.055	1.07835	2.700	.088	CCODE =	.1
ADD HYD	BYPASS.RTE.D	51&31	75	.38771	20.68	22.313	1.07908	2.700	.083		
COMPUTE NM HYD	BASIN.C	-	20	.01278	24.36	1.100	1.61332	1.500	2.978	PER IMP=	50.00
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

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
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	.50285	235.08	32.745	1.22098	1.500	.730	
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	BASIN.F8	-	27	.00781	15.17	.699	1.67850	1.500	3.035	PER IMP= 54.00
ADD HYD	F8.D5	27&28	40	.01936	38.24	1.793	1.73679	1.500	3.086	
*S***** POND F5 INFLOW HYDROGRAPH (PREV ID 27)										
ADD HYD	F8.D56	40&25	41	.02564	52.51	2.552	1.86619	1.500	3.200	
ADD HYD	F578.D56	41&75	42	.05513	115.40	5.817	1.97834	1.500	3.271	
ROUTE RESERVOIR	POND.F5	42	52	.05513	56.48	5.817	1.97833	1.700	1.601	AC-FT= 1.927
ROUTE MCUNGE	RTE.PONDF5	52	77	.05513	55.69	5.803	1.97349	1.800	1.578	CCODE = .1
ADD HYD	F1TOF8	77&70	79	.55798	249.88	38.548	1.29533	1.500	.700	
DIVIDE HYD	BYPASS.F	79	31	.16024	6.20	11.070	1.29533	1.200	.060	
	SURGE.F	and	32	.39774	243.68	27.477	1.29533	1.500	.957	
ROUTE RESERVOIR	POND.F	32	52	.39774	25.70	27.482	1.29554	3.300	.101	AC-FT= 11.870
ADD HYD	BYPASSF.POND	31&52	53	.55798	31.90	38.552	1.29548	3.300	.089	
ROUTE MCUNGE	RTE.PONDF	53	77	.55798	30.35	38.521	1.29444	3.400	.085	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	.60859	111.15	42.876	1.32095	1.500	.285	
DIVIDE HYD	BYPASS.G	31	32	.44209	17.61	31.146	1.32096	1.300	.062	
	SURGE.G	and	33	.16650	93.54	11.730	1.32096	1.500	.878	
ROUTE RESERVOIR	POND.G	33	34	.16650	7.62	11.731	1.32104	6.900	.071	AC-FT= 3.585
ROUTE MCUNGE	RTE.PONDG	34	78	.16650	7.62	11.733	1.32128	6.600	.071	CCODE = .2
ADD HYD	BYPASS.RTE.G	78&32	79	.60859	25.23	42.878	1.32103	6.600	.065	
COMPUTE NM HYD	OFFSITE2	-	55	.08050	13.87	1.783	.41534	2.000	.269	PER IMP= .00
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		
ROUTE MCUNGE	RTE.E12	72	76	.01936	31.30	1.684	1.63074	1.600	2.526	CCODE =	.2

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
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	.61773	41.03	43.983	1.33500	1.500	.104	
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	.63113	59.31	44.509	1.32231	1.500	.147	
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
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		
ROUTE MCUNGE	RTE.J5J6	90	91	.02465	53.86	2.944	2.23914	1.500	3.414	CCODE =	.0

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 = 4 NOTATION
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	.74737	139.80	55.236	1.38576	1.500	.292	
ADD HYD	PONDJK13.K1K	34&44	96	1.04994	242.64	76.346	1.36339	1.500	.361	
DIVIDE HYD	BYPASS.K	96	97	.88397	44.91	64.277	1.36339	1.300	.079	
	SURGE.K	and	98	.16597	197.73	12.069	1.36339	1.500	1.861	
ROUTE RESERVOIR	POND.K	98	70	.16597	15.94	12.069	1.36339	2.800	.150	AC-FT= 8.496
ADD HYD	BYPASS.ROUTE	70&97	99	1.04994	60.85	76.345	1.36339	2.800	.091	
ROUTE MCUNGE	RTE.PONDK	99	1	1.04994	60.65	76.135	1.35962	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	1.05721	60.81	77.012	1.36585	3.400	.090	
ROUTE MCUNGE	RTE.UNIVN	3	4	1.05721	60.65	76.921	1.36423	3.900	.090	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	1.06447	60.78	77.799	1.37038	3.900	.089	

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