APPENDIX A

RPS

FEH STATISTICAL METHOD

WINFAP FEH Pooling Group Audit

IBE 1511 Langholm

Orginal Pooling Group for HAP 02													
Original Total Station Years	619		**Original L-CV Value**		0.173			**Original L-SKEW Value**			0.151		
Station	**Distance**	**Years of Data**	**QMED**	**L-CV**	**L-SKEW**	**Discordancy**	**AREA**	**SAAR**	**FPEXT**	**FARL**	**URBEXT2000**	**Removed**	**Reason**
76014 (Eden @ Kirkby Stephen)	0.278	45	88.271	0.166	-0.032	2.003	66.82	1492	0.03	1	0.005	Yes	Negative L-Skew
78004 (Kinnel Water @ Redhall)	0.333	40	78.224	0.118	0.011	1.445	76.17	1466	0.06	0.999	0		
47020 (Inny @ Bealsmill)	0.355	33	34.954	0.203	0.113	0.989	101.98	1429	0.036	1	0.004		
21019 (Manor Water @ Cademuir)	0.4	32	24.858	0.2	0.272	0.514	59.95	1344	0.031	0.997	0		
46008 (Avon @ Loddiswell)	0.418	36	63.056	0.175	0.072	1.631	102.22	1550	0.03	0.986	0.006		
47024 (Tavy @ Tavistock Abbey Bridge)	0.431	22	81.1	0.209	0.159	1.066	95.63	1666	0.032	0.998	0.004		
25006 (Greta @ Rutherford Bridge)	0.436	56	74.934	0.185	0.192	0.138	86.81	1127	0.042	0.999	0.001		
48003 (Fal @ Tregony)	0.499	53	11.053	0.165	0.261	0.651	89.03	1211	0.066	0.983	0.017		
73011 (Mint @ Mint Bridge)	0.506	47	54.835	0.212	0.31	0.848	65.44	1599	0.061	0.993	0.001		
23011 (Kielder Burn @ Kielder)	0.529	45	65.78	0.161	0.064	0.232	58.59	1199	0.02	1	0		
55004 (Irfon @ Abernant)	0.554	45	56.542	0.159	0.255	0.728	73.01	1845	0.028	1	0.003		
67005 (Ceiriog @ Brynkinalt Weir)	0.564	58	29.78	0.195	0.217	0.256	111.72	1198	0.023	1	0.001		
48012 (Fal @ Trenowth)	0.576	19	10.482	0.148	0.25	2.771	65.07	1248	0.071	0.979	0.02		
54025 (Dulas @ Rhos-y-pentref)	0.591	47	23.241	0.179	0.205	0.404	53.33	1268	0.024	1	0.001		
203033 (Upper Bann @ Bannfield)	0.6	41	68.372	0.121	-0.02	1.323	101.64	1261	0.062	0.951	0.001	Yes	Negative L-Skew
Final Total Station Years	533		**Final L-CV Value**		0.178			**Final L-SKEW Value**			0.181		

Heterogeneity Measure	
Number of simulations:	500
L-CV / L-Skewness Distance	
Observed mean of average:	0.0775
Simulated mean of average:	0.0659
Simulated S.D. of average:	0.0132
Standardised test value H2:	0.8818
Comment:	
The pooling group is acceptably homogeneous and a review of the pooling group is not required.	
Standardised Deviation of L-CV	
Observed:	0.0248
Simulated mean:	0.0203
Simulated S.D:	0.004
Standardised test value H1:	1.132
Comment:	
Possibly Heterogeneous	

Goodness-of-fit	
Fitting	**Z value**
Gen. Logistic:	1.7542
Gen. Extreme Value:	-0.3185
Pearson Type III:	-0.6841
Gen Pareto:	-4.9558

Growth Curve Fittings				
Standardisation Details				
Pooled L-Moments				
L-CV:	0.178	L-Skewness:		0.181
Fitted Parameters				
	Location	Scale	Shape	Bound
GL	1	0.177	-0.181	0.022
GEV	0.902	0.267	-0.018	-14.198

Comments
The urban adjustment was not applied to the growth curve.

RPS

FEH STATISTICAL METHOD

WINFAP FEH Pooling Group Audit

IBE 1511 Langholm

Orginal Pooling Group for HAP 04													
Original Total Station Years	614		**Original L-CV Value**		0.203			**Original L-SKEW Value**			0.194		
Station	**Distance**	**Years of Data**	**QMED**	**L-CV**	**L-SKEW**	**Discordancy**	**AREA**	**SAAR**	**FPEXT**	**FARL**	**URBEXT2000**	**Removed**	**Reason**
47009 (Tiddy @ Tideford)	0.207	47	6.466	0.212	0.23	0.378	37.4	1276	0.024	1	0.011		
47021 (Kensey @ Launceston Newport)	0.272	14	13.778	0.257	0.103	3.213	34.83	1298	0.022	0.998	0.017		
47014 (Walkham @ Horrabridge)	0.374	43	39.555	0.223	0.244	0.233	44.24	1665	0.023	1	0.008		
54025 (Dulas @ Rhos-y-pentref)	0.39	47	23.241	0.179	0.205	0.193	53.33	1268	0.024	1	0.001		
24006 (Rookhope Burn @ Eastgate)	0.436	20	24.62	0.152	0.117	0.994	36.6	1126	0.018	0.994	0		
51003 (Washford @ Beggearn Huish)	0.466	49	6.12	0.19	0.076	0.859	36.7	1151	0.005	0.982	0.003		
21017 (Ettrick Water @ Brockhoperig)	0.482	41	60.364	0.203	0.276	0.405	38.59	1740	0.012	1	0		
72007 (Brock @ Upstream of a6)	0.485	38	29.438	0.195	0.231	0.757	31.51	1361	0.053	1	0		
28041 (Hamps @ Waterhouses)	0.489	31	26.664	0.22	0.295	1.494	37.04	1085	0.033	1	0.004		
84020 (Glazert Water @ Milton of Campsie)	0.498	38	54.028	0.134	0.127	1.572	51.93	1560	0.053	0.991	0.01		
21019 (Manor Water @ Cademuir)	0.524	32	24.858	0.2	0.272	0.428	59.95	1344	0.031	0.997	0		
49004 (Gannel @ Gwills)	0.529	47	15.022	0.258	0.105	2.558	40.83	1046	0.025	0.999	0.007		
49002 (Hayle @ st Erth)	0.544	59	4.649	0.234	0.202	0.588	48.58	1076	0.027	0.977	0.008		
23011 (Kielder Burn @ Kielder)	0.559	45	65.78	0.161	0.064	1.178	58.59	1199	0.02	1	0		
48001 (Fowey @ Trekeivesteps)	0.571	47	17.615	0.222	0.269	0.429	36.69	1637	0.043	0.938	0.003		
76811 (Dacre Beck @ Dacre Bridge)	0.59	16	35	0.196	0.262	0.72	33.97	1428	0.072	0.999	0		
Final Total Station Years	614		**Final L-CV Value**		0.203			**Final L-SKEW Value**			0.194		

Heterogeneity Measure	
Number of simulations:	500
L-CV / L-Skewness Distance	
Observed mean of average:	0.0757
Simulated mean of average:	0.0745
Simulated S.D. of average:	0.0128
Standardised test value H2:	0.0994
Comment:	
The pooling group is acceptably homogeneous and a review of the pooling group is not required.	
Standardised Deviation of L-CV	
Observed:	0.0323
Simulated mean:	0.0251
Simulated S.D:	0.0048
Standardised test value H1:	1.5073
Comment:	
Possibly Heterogeneous	

Goodness-of-fit	
Fitting	**Z value**
Gen. Logistic:	0.9512
Gen. Extreme Value:	-1.2165
Pearson Type III:	-1.6429
Gen Pareto:	-6.1039

Growth Curve Fittings
Standardisation Details

Pooled L-Moments			
L-CV:	0.203	L-Skewness:	0.194

Fitted Parameters				
	Location	Scale	Shape	Bound
GL	1	0.203	-0.194	-0.049
GEV	0.888	0.303	-0.037	-7.406

Comments
The urban adjustment was not applied to the growth curve.

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FEH STATISTICAL METHOD

WINFAP FEH Pooling Group Audit

IBE 1511 Langholm

Orginal Pooling Group for HAP 07													
Original Total Station Years	629		**Original L-CV Value**		0.153			**Original L-SKEW Value**			0.137		
Station	**Distance**	**Years of Data**	**QMED**	**L-CV**	**L-SKEW**	**Discordancy**	**AREA**	**SAAR**	**FPEXT**	**FARL**	**URBEXT2000**	**Removed**	**Reason**
27043 (Wharfe @ Addingham)	0.149	43	262.267	0.166	0.053	0.81	430.01	1385	0.035	0.975	0.004		
27027 (Wharfe @ Ilkley)	0.18	13	267.21	0.126	0.284	2.54	445.29	1369	0.036	0.976	0.004		
79006 (Nith @ Drumlanrig)	0.19	39	336.556	0.133	0.132	0.227	469.04	1485	0.041	0.99	0.002		
45002 (Exe @ Stoodleigh)	0.217	55	140.651	0.177	0.295	0.981	420.69	1361	0.021	0.979	0.002		
77002 (Esk @ Canonbie)	0.251	44	354.566	0.13	0.16	0.221	495.4	1423	0.035	0.994	0.001		
7001 (Findhorn @ Shenachie)	0.338	56	279.234	0.166	0.23	1.675	415.59	1217	0.039	0.982	0		
27034 (Ure @ Kilgram Bridge)	0.345	49	247.365	0.13	0.083	0.279	510.94	1337	0.045	0.99	0.004		
23006 (South Tyne @ Featherstone)	0.387	50	242.684	0.144	0.263	0.657	323.05	1331	0.03	0.995	0.002		
50006 (Mole @ Woodleigh)	0.388	51	119.914	0.158	0.139	0.368	327	1306	0.032	0.999	0.004		
56004 (Usk @ Llandetty)	0.404	32	340.5	0.211	0.042	1.812	545.44	1478	0.037	0.974	0.004		
202001 (Roe @ Ardnargle)	0.421	41	150.666	0.086	-0.007	1.812	365.73	1250	0.059	0.993	0.006	Yes	Negative L-Skew
77003 (Liddel Water @ Rowanburnfoot)	0.427	32	301.388	0.119	-0.018	1.305	319.3	1291	0.033	1	0.001	Yes	Negative L-Skew
60002 (Cothi @ Felin Mynachdy)	0.48	55	175.107	0.197	0.201	0.779	298.73	1551	0.032	0.997	0.001		
12007 (Dee @ Mar Lodge)	0.514	24	181.882	0.151	0.134	0.479	292	1334	0.033	0.989	0		
21007 (Ettrick Water @ Lindean)	0.529	45	241.075	0.195	0.036	1.056	502.74	1306	0.039	0.928	0.002		
Final Total Station Years	556		**Final L-CV Value**		0.16			**Final L-SKEW Value**			0.157		

Heterogeneity Measure	
Number of simulations:	500
L-CV / L-Skewness Distance	
Observed mean of average:	0.0802
Simulated mean of average:	0.0613
Simulated S.D. of average:	0.0121
Standardised test value H2:	1.5687
Comment:	
The pooling group is possibly heterogeneous and a review of the pooling group is optional.	
Standardised Deviation of L-CV	
Observed:	0.026
Simulated mean:	0.018
Simulated S.D:	0.0038
Standardised test value H1:	2.079
Comment:	
Heterogeneous	

Goodness-of-fit	
Fitting	**Z value**
Gen. Logistic:	2.2538
Gen. Extreme Value:	-0.1629
Pearson Type III:	-0.3606
Gen Pareto:	-5.3712

Growth Curve Fittings				
Standardisation Details				
Pooled L-Moments				
L-CV:	0.16	L-Skewness:		0.157
Fitted Parameters				
	Location	Scale	Shape	Bound
GL	1	0.16	-0.157	-0.021
GEV	0.91	0.246	0.021	12.715

Comments
The urban adjustment was not applied to the growth curve.

APPENDIX B

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q2	235.72	61.32	61.71	0.24	44.57	45.24	0.94	304.23	2.04	305.09	1.33
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	11.75752616	2.755748462	2.529837733	0.009869742	1.655047881	1.646534581	0.034950306	14.67970682	0.098452773	14.80252003	0.064633588
00:30:00	11.75752616	2.860796594	2.618222201	0.010214559	1.70836885	1.704380278	0.036076306	14.85488823	0.099627667	14.97268208	0.065376582
01:00:00	11.75752616	3.320821897	3.007801871	0.01173444	1.95088739	1.963550717	0.041197667	15.88974389	0.10656816	15.9901738	0.069819349
01:30:00	11.75752616	4.285908236	3.810994854	0.014867964	2.45156549	2.498433467	0.051770686	18.10038941	0.121394354	18.16648674	0.079321982
02:00:00	11.75752616	5.963815938	5.172427031	0.020179365	3.30367496	3.41028583	0.069765021	21.91282821	0.146963337	21.92038126	0.095712952
02:30:00	11.86193306	8.365856694	7.031838483	0.027433551	4.572479421	4.737453401	0.09655887	27.91140153	0.187194125	27.82649838	0.121501368
03:00:00	12.56276439	11.62923834	9.448305964	0.036860997	6.234758596	6.465641117	0.131661882	36.78846846	0.246730182	36.59757083	0.159799298
03:30:00	14.0790453	16.12381657	12.63076982	0.049276852	8.424356215	8.73910789	0.177900488	48.75570544	0.326991163	48.46850589	0.211632441
04:00:00	16.70901243	22.38253087	16.87872646	0.065849549	11.33633485	11.75959415	0.239393902	64.77828541	0.434450218	64.36518932	0.281043574
04:30:00	20.85969336	30.99029701	22.656666	0.088391222	15.23956848	15.81439961	0.321820042	86.34477018	0.579090725	85.7650993	0.374483945
05:00:00	27.08809144	41.54279388	30.3573464	0.118434148	20.41210554	21.18954944	0.431050569	114.935251	0.770839249	114.1411902	0.498385049
05:30:00	35.75697218	52.41264543	39.57332896	0.154388774	26.6429516	27.64210794	0.562629829	150.0118677	1.00608851	148.9831001	0.650518446
06:00:00	47.37296984	61.46498024	48.92174841	0.190860081	33.15207076	34.32192904	0.700085492	188.7162744	1.265668365	187.4763575	0.818595052
06:30:00	63.01306711	66.61422749	56.60452746	0.220833168	38.94279302	40.13535239	0.822370482	227.4713095	1.525587771	226.1464338	0.98744372
07:00:00	83.76427022	67.452	60.94088998	0.237750766	42.96337808	43.95674689	0.90727478	262.1839321	1.758395823	261.0209574	1.139719521
07:30:00	109.3440544	64.98466196	61.71	0.240751321	44.57	45.24	0.941202455	288.288223	1.933470152	287.6345956	1.255925067
08:00:00	137.8437672	60.45780762	59.70548783	0.23293105	44.0585848	44.3993247	0.930402696	302.1092303	2.026163863	302.2147782	1.319587843
08:30:00	166.9332397	54.95422338	55.91252733	0.218133444	42.03854665	42.08792609	0.887744746	304.23	2.040387284	305.09	1.332142185
09:00:00	194.053951	48.90867586	51.19825055	0.199741476	39.09793806	38.92191179	0.825646742	297.1671089	1.993018408	298.6873394	1.304185666
09:30:00	216.2124991	42.48962486	46.04314674	0.179629694	35.7286724	35.37323899	0.754496616	283.5357701	1.901596753	285.5924317	1.247008181
10:00:00	230.4051524	35.98402712	40.57534134	0.158297959	32.09843877	31.57457378	0.677835526	265.3702418	1.77976553	267.8140284	1.169380724
10:30:00	235.72	29.67579574	34.91258546	0.136205657	28.2709047	27.58856523	0.597007963	244.6290352	1.640659938	247.2705054	1.079679673
11:00:00	233.5955343	24.18804208	29.35021812	0.114505004	24.38412484	23.57151226	0.514929284	223.0047537	1.495631804	225.7868525	0.985873647
11:30:00	225.8998314	19.92871155	24.20772856	0.094442435	20.5705458	19.67929301	0.434396474	201.1172856	1.348838551	204.0440367	0.890936015
12:00:00	214.0836069	16.83995529	20.04721112	0.078210866	17.03912979	16.18983017	0.359822095	179.2515165	1.202190826	182.3256999	0.796105268
12:30:00	199.5201619	14.68388189	16.94760377	0.066118263	14.11643687	13.30256075	0.298102424	157.7552811	1.058021462	160.926731	0.702669006
13:00:00	183.7168996	13.16063245	14.7032725	0.057362377	11.86659817	11.14453602	0.250591683	137.7548992	0.923884379	140.9280352	0.615346884
13:30:00	167.647791	12.08382072	13.11628374	0.051171004	10.20540335	9.580551459	0.21551157	119.4947412	0.801418501	122.6031819	0.535333412
14:00:00	151.6208403	11.33704604	11.96564725	0.046681987	8.965674093	8.461771725	0.189331713	103.1399502	0.691731397	106.0766862	0.463172272
14:30:00	135.7509005	10.83272302	11.13306436	0.043433803	8.057301648	7.643115389	0.17014925	89.05221462	0.597248813	91.65981534	0.400222579
15:00:00	120.5602058	10.50595396	10.54244747	0.041129609	7.393255588	7.050687818	0.156126325	77.68695101	0.521025103	79.80226236	0.348447868
15:30:00	106.4729308	10.30837139	10.13532536	0.039541289	6.914598535	6.62933885	0.146018333	68.98537144	0.462665992	70.65002048	0.308485603
16:00:00	93.45632404	10.15483006	9.86720529	0.038495264	6.57581975	6.336765827	0.138864207	62.36610832	0.418272407	63.66690942	0.277994611
16:30:00	81.58616572	10.0035757	9.699326159	0.037840311	6.342177564	6.140828308	0.133930292	57.3826995	0.384850049	58.39624958	0.25498085
17:00:00	71.05947784	9.854574254	9.553102714	0.037269844	6.187367329	6.016940783	0.130661102	53.66363901	0.359907329	54.45353429	0.237765414
17:30:00	62.19353526	9.707792154	9.40908368	0.036707978	6.08420361	5.91888167	0.128482553	50.91193468	0.341452402	51.52888619	0.224995257
18:00:00	55.17063619	9.563196346	9.267235823	0.036154582	5.987630322	5.822420643	0.126443176	48.89564234	0.327929681	49.37916677	0.215608742
18:30:00	49.76035397	9.420754267	9.127526412	0.035609529	5.892589922	5.727531657	0.12443617	47.43629828	0.31814226	47.81671866	0.208786483
19:00:00	45.65561142	9.280433836	8.989923208	0.035072693	5.799058078	5.634189094	0.122461021	46.39799412	0.311178639	46.6983203	0.203903119
19:30:00	42.56812409	9.142203453	8.854394459	0.03454395	5.707010845	5.542367751	0.120517223	45.67799047	0.306349771	45.91553466	0.200485171
20:00:00	40.26266879	9.006031987	8.720908891	0.034023178	5.616424659	5.452042836	0.118604278	45.09776777	0.302458377	45.33000716	0.197928529
20:30:00	38.55351367	8.87188877	8.589435702	0.033510258	5.527276328	5.363189961	0.116721697	44.52491533	0.298616412	44.75946307	0.19543731
21:00:00	37.29673063	8.739743592	8.459944554	0.033005069	5.43954303	5.275785137	0.114868998	43.95933952	0.29482325	44.19610011	0.192977447
21:30:00	36.38216625	8.609566692	8.332405567	0.032507497	5.353202304	5.189804764	0.113045707	43.40094791	0.291078271	43.63982789	0.190548545
22:00:00	35.72625251	8.481328754	8.20678931	0.032017426	5.268232046	5.105225628	0.111251356	42.84964924	0.287380861	43.09055717	0.188150215
22:30:00	35.25253088	8.355000897	8.083066798	0.031534743	5.184610504	5.022024893	0.109485487	42.30535343	0.283730418	42.54819981	0.18578207
23:00:00	34.81332453	8.23055467	7.96120948	0.031059337	5.102316269	4.940180094	0.107747646	41.76797151	0.280126345	42.01266882	0.183443733
23:30:00	34.37959019	8.107962047	7.841189237	0.030591098	5.021328272	4.859669134	0.106037391	41.23741565	0.276568052	41.48387826	0.181134827
24:00:00	33.95125969	7.98719542	7.722978376	0.030129918	4.941625782	4.780470275	0.104354281	40.71359916	0.273054959	40.9617433	0.178854981
24:30:00	33.5282657	7.868227589	7.606549617	0.029675691	4.863188392	4.702562133	0.102697888	40.19643643	0.26958649	40.44618016	0.176603831
25:00:00	33.11054173	7.751031763	7.491876096	0.029228311	4.785996022	4.625923674	0.101067786	39.68584294	0.266162079	39.93710614	0.174381015
25:30:00	32.69802212	7.635581547	7.37893135	0.028787676	4.710028911	4.550534204	0.099463558	39.18173523	0.262781167	39.43443956	0.172186176
26:00:00	32.29064204	7.521850941	7.267689317	0.028353683	4.63526761	4.47637337	0.097884794	38.68403094	0.2594432	38.93809976	0.170018963
26:30:00	31.88833745	7.409814332	7.158124327	0.027926234	4.561692979	4.403421148	0.096331089	38.19264871	0.256147634	38.44800713	0.167879027
27:00:00	31.49104512	7.299446488	7.050211099	0.027505228	4.489286183	4.33165784	0.094802046	37.70750824	0.25289393	37.96408302	0.165766025
27:30:00	31.0987026	7.190722554	6.943924731	0.02709057	4.418028685	4.261064071	0.093297273	37.22853024	0.249681556	37.48624981	0.163679618
28:00:00	30.71124821	7.083618042	6.839240696	0.026682162	4.347902242	4.191620781	0.091816385	36.75563645	0.246509987	37.01443081	0.161619472
28:30:00	30.32862107	6.978108833	6.736134839	0.026279912	4.278888902	4.12330922	0.090359002	36.28874957	0.243378704	36.54855035	0.159585256
29:00:00	29.95076103	6.874171164	6.634583368	0.025883726	4.210970996	4.056110945	0.088924753	35.82779329	0.240287197	36.08853367	0.157576643
29:30:00	29.57760869	6.771781629	6.534562849	0.025493512	4.144131136	3.990007811	0.087513269	35.3726923	0.237234959	35.63430697	0.155593312
30:00:00	29.2091054	6.670917167	6.436050203	0.025109182	4.078352212	3.924981971	0.086124189	34.9233722	0.234221492	35.18579738	0.153634944
30:30:00	28.84519325	6.571555062	6.339022696	0.024730645	4.013617382	3.861015868	0.084757158	34.47975958	0.231246304	34.74293293	0.151701225
31:00:00	28.48581502	6.473672939	6.24345794	0.024357815	3.949910075	3.798092232	0.083411825	34.04178192	0.228308908	34.30564257	0.149791844
31:30:00	28.13091424	6.377248751	6.149333883	0.023990605	3.887213981	3.736194074	0.082087847	33.60936766	0.225408824	33.87385615	0.147906496
32:00:00	27.78043511	6.282260785	6.056628806	0.023628932	3.825513048	3.67530468	0.080784884	33.18244612	0.222545578	33.44750438	0.146044877
32:30:00	27.43432256	6.188687647	5.965321316	0.023272711	3.764791482	3.615407611	0.079502602	32.76094754	0.219718702	33.02651888	0.14420669
33:00:00	27.09252218	6.096508264	5.875390343	0.02292186	3.705033736	3.556486694	0.078240674	32.34480302	0.216927735	32.61083209	0.142391639
33:30:00	26.75498024	6.005701877	5.786815137	0.022576299	3.646224513	3.498526022	0.076998776	31.93394455	0.21417222	32.20037733	0.140599433
34:00:00	26.42164368	5.916248034	5.699575258	0.022235947	3.588348756	3.441509945	0.075776591	31.528305	0.211451706	31.79508873	0.138829785
34:30:00	26.09246012	5.82812659	5.613650574	0.021900726	3.531391649	3.385423069	0.074573805	31.12781807	0.20876575	31.39490128	0.13708241
35:00:00	25.76737781	5.741317699	5.52902126	0.021570559	3.475338609	3.33025025	0.073390111	30.73241831	0.206113912	30.99975077	0.135357028
35:30:00	25.44634566	5.65580181	5.445667785	0.021245369	3.420175288	3.275976592	0.072225205	30.3420411	0.203495759	30.60957381	0.133653363
36:00:00	25.1293132	5.571559666	5.363570917	0.020925082	3.365887563	3.222587441	0.071078789	29.95662263	0.200910863	30.22430779	0.131971141

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	61.710	45.240	304.230	305.090
Sum Flow	67.690	45.511	301.104	302.273
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	2.77	1.690	16.312	16.376
00:30:00	2.87	1.744	16.473	16.538
01:00:00	3.33	1.992	17.189	17.259
01:30:00	4.30	2.503	18.683	18.762
02:00:00	5.98	3.373	21.262	21.358
02:30:00	8.39	4.669	25.111	25.233
03:00:00	11.67	6.366	30.842	31.002
03:30:00	16.17	8.602	39.181	39.393
04:00:00	22.45	11.576	51.168	51.449
04:30:00	31.08	15.561	68.079	68.453
05:00:00	41.66	20.843	90.363	90.862
05:30:00	52.57	27.206	116.536	117.186
06:00:00	61.66	33.852	144.147	144.965
06:30:00	66.84	39.765	171.139	172.126
07:00:00	67.69	43.871	197.083	198.223
07:30:00	65.23	45.511	222.014	223.270
08:00:00	60.69	44.989	245.550	246.869
08:30:00	55.17	42.926	267.072	268.404
09:00:00	49.11	39.924	285.079	286.383
09:30:00	42.67	36.483	297.267	298.514
10:00:00	36.14	32.776	301.104	302.273
10:30:00	29.81	28.868	296.041	297.120
11:00:00	24.30	24.899	284.293	285.279
11:30:00	20.02	21.005	268.277	269.168
12:00:00	16.92	17.399	249.603	250.399
12:30:00	14.75	14.415	229.743	230.445
13:00:00	13.22	12.117	209.976	210.591
13:30:00	12.13	10.421	191.005	191.540
14:00:00	11.38	9.155	172.851	173.314
14:30:00	10.88	8.227	155.452	155.852
15:00:00	10.55	7.549	139.178	139.526
15:30:00	10.35	7.061	124.344	124.653
16:00:00	10.19	6.715	110.783	111.061
16:30:00	10.04	6.476	98.489	98.744
17:00:00	9.89	6.318	87.629	87.867
17:30:00	9.74	6.213	78.492	78.717
18:00:00	9.60	6.114	71.212	71.428
18:30:00	9.46	6.017	65.552	65.761
19:00:00	9.32	5.922	61.204	61.408
19:30:00	9.18	5.828	57.879	58.079
20:00:00	9.04	5.735	55.340	55.538
20:30:00	8.91	5.644	53.402	53.597
21:00:00	8.77	5.554	51.919	52.112
21:30:00	8.64	5.466	50.782	50.972
22:00:00	8.51	5.379	49.906	50.095
22:30:00	8.39	5.294	49.217	49.403
23:00:00	8.26	5.210	48.565	48.749
23:30:00	8.14	5.127	47.922	48.103
24:00:00	8.02	5.046	47.288	47.466
24:30:00	7.90	4.966	46.662	46.838
25:00:00	7.78	4.887	46.044	46.218
25:30:00	7.66	4.809	45.435	45.607
26:00:00	7.55	4.733	44.833	45.003
26:30:00	7.44	4.658	44.240	44.408
27:00:00	7.33	4.584	43.655	43.821
27:30:00	7.22	4.511	43.078	43.241
28:00:00	7.11	4.440	42.508	42.669
28:30:00	7.00	4.369	41.946	42.105
29:00:00	6.90	4.300	41.391	41.549
29:30:00	6.80	4.232	40.844	40.999
30:00:00	6.70	4.164	40.304	40.457
30:30:00	6.60	4.098	39.771	39.923
31:00:00	6.50	4.033	39.245	39.395
31:30:00	6.40	3.969	38.727	38.875
32:00:00	6.31	3.906	38.215	38.361
32:30:00	6.21	3.844	37.710	37.855
33:00:00	6.12	3.783	37.212	37.355
33:30:00	6.03	3.723	36.721	36.861
34:00:00	5.94	3.664	36.236	36.375
34:30:00	5.85	3.606	35.757	35.894
35:00:00	5.76	3.549	35.285	35.420
35:30:00	5.68	3.492	34.819	34.953
36:00:00	5.59	3.437	34.360	34.492

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q2	235.72	61.32	61.71	0.24	44.57	45.24	0.94	304.23	2.04	305.09	1.33
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	24.8162306	5.488572293	5.282711711	0.020609623	3.312461536	3.170068383	0.069950571	29.57609993	0.198358802	29.8438909	0.130310092
37:00:00	24.50704866	5.406821001	5.203071508	0.02029892	3.259883529	3.118405236	0.06884026	29.2004108	0.195839158	29.46826212	0.12866995
37:30:00	24.20171877	5.326287381	5.124631931	0.019992901	3.208140081	3.067584053	0.067747573	28.82949384	0.193351519	29.09736117	0.127050452
38:00:00	23.90019294	5.246953294	5.04737488	0.019691495	3.157217946	3.01759111	0.06667223	28.46328844	0.19089548	28.73112854	0.125451337
38:30:00	23.60242379	5.168800874	4.971282528	0.019394634	3.107104088	2.968412912	0.065613955	28.10173475	0.188470638	28.36950549	0.123872349
39:00:00	23.30836449	5.09181252	4.896337316	0.019102247	3.057785676	2.920036179	0.064572479	27.74477368	0.186076598	28.01243399	0.122313236
39:30:00	23.01796884	5.015970894	4.82252195	0.018814269	3.009250085	2.87244785	0.063547534	27.39234689	0.183712968	27.65985675	0.120773746
40:00:00	22.73119119	4.941258915	4.749819397	0.018530632	2.96148489	2.825635076	0.062538857	27.04439679	0.181379362	27.31171722	0.119253632
40:30:00	22.44798646	4.867659757	4.678212881	0.018251271	2.914477861	2.779585218	0.061546191	26.70086651	0.179075399	26.96795952	0.117752652
41:00:00	22.16831014	4.795156846	4.607685878	0.017976122	2.868216965	2.734285842	0.060569281	26.36169991	0.176800701	26.62852851	0.116270563
41:30:00	21.89211827	4.723733852	4.538222114	0.01770512	2.822690359	2.689724718	0.059607877	26.02684156	0.174554898	26.29336974	0.114807129
42:00:00	21.61936743	4.653374691	4.46980556	0.017438204	2.777886387	2.645889814	0.058661734	25.69623673	0.172337622	25.96242943	0.113362114
42:30:00	21.35001476	4.584063517	4.402420429	0.017175313	2.733793579	2.602769295	0.057730609	25.36983139	0.170148511	25.63565448	0.111935287
43:00:00	21.08401791	4.51578472	4.336051171	0.016916384	2.690400647	2.560351519	0.056814263	25.0475722	0.167987206	25.31299248	0.110526419
43:30:00	20.82133508	4.448522924	4.270682471	0.016661359	2.647696481	2.518625032	0.055912462	24.7294065	0.165853356	24.99439164	0.109135283
44:00:00	20.56192498	4.38226298	4.206299246	0.016410178	2.60567015	2.477578569	0.055024975	24.41528229	0.163746611	24.67980086	0.107761657
44:30:00	20.30574684	4.316989966	4.142886638	0.016162785	2.564310894	2.437201048	0.054151575	24.10514822	0.161666627	24.36916966	0.106405319
45:00:00	20.05276038	4.252689181	4.080430015	0.01591912	2.523608125	2.397481565	0.053292039	23.79895362	0.159613064	24.0624482	0.105066054
45:30:00	19.80292584	4.189346145	4.018914965	0.01567913	2.483551423	2.358409398	0.052446145	23.49664844	0.157585586	23.75958729	0.103743645
46:00:00	19.55620396	4.126946592	3.958327293	0.015442757	2.444130532	2.319973997	0.051613679	23.19818328	0.155583861	23.46053831	0.10243788
46:30:00	19.31255596	4.065476469	3.898653019	0.015209948	2.405335361	2.282164984	0.050794426	22.90350936	0.153607564	23.16525331	0.10114855
47:00:00	19.07194352	4.004921933	3.839878371	0.014980648	2.367155977	2.244972151	0.049988176	22.61257852	0.151656371	22.87368489	0.099875448
47:30:00	18.83432885	3.945269345	3.781989789	0.014754805	2.329582606	2.208385455	0.049194724	22.32534322	0.149729962	22.58578629	0.098618371
48:00:00	18.59967458	3.886505272	3.724973913	0.014532367	2.29260563	2.17239502	0.048413867	22.04175651	0.147828024	22.30151131	0.097377115
48:30:00	18.36794384	3.828616479	3.668817588	0.014313283	2.256215582	2.136991127	0.047645404	21.76177205	0.145950245	22.02081434	0.096151482
49:00:00	18.1391002	3.77158993	3.613507854	0.014097501	2.220403145	2.102164217	0.046889138	21.48534408	0.144096318	21.74365036	0.094941276
49:30:00	17.91310769	3.71541278	3.559031949	0.013884972	2.185159151	2.067904887	0.046144877	21.21242743	0.142265941	21.46997488	0.093746302
50:00:00	17.68993079	3.660072379	3.505377303	0.013675648	2.150474579	2.034203887	0.045412429	20.94297749	0.140458814	21.19974401	0.092566368
50:30:00	17.46953441	3.605556263	3.452531535	0.013469479	2.116340546	2.001052119	0.044691607	20.67695022	0.138674642	20.93291439	0.091401286
51:00:00	17.25188393	3.551852155	3.40048245	0.013266418	2.082748317	1.96844063	0.043982226	20.41430216	0.136913133	20.66944321	0.090250868
51:30:00	17.03694512	3.49894796	3.349218037	0.013066418	2.04968929	1.936360616	0.043284106	20.15499036	0.135174	20.4092882	0.089114929
52:00:00	16.82468421	3.446831763	3.298726468	0.012869434	2.017155001	1.904803416	0.042597066	19.89897247	0.133456958	20.15240761	0.087993288
52:30:00	16.61506782	3.395491827	3.248996091	0.012675419	1.985137123	1.873760509	0.041920932	19.64620663	0.131761727	19.89876024	0.086885765
53:00:00	16.40806302	3.344916591	3.20001543	0.012484329	1.953627458	1.843223513	0.04125553	19.39665154	0.130088029	19.6483054	0.085792181
53:30:00	16.20363726	3.295094663	3.151773184	0.01229612	1.922617939	1.813184185	0.040600689	19.15026642	0.128435592	19.40100289	0.084712362
54:00:00	16.00175841	3.246014825	3.10425822	0.012110748	1.892100627	1.783634412	0.039956243	18.90701099	0.126804144	19.15681304	0.083646133
54:30:00	15.80239474	3.197666021	3.057459574	0.011928171	1.862067711	1.754566217	0.039322026	18.6668455	0.12519342	18.91569668	0.082593325
55:00:00	15.60551492	3.150037364	3.011366447	0.011748346	1.832511501	1.725971751	0.038697876	18.4297307	0.123603156	18.67761511	0.081553768
55:30:00	15.41108799	3.103118128	2.965968203	0.011571233	1.80342443	1.697843294	0.038083633	18.19562784	0.122033092	18.44253015	0.080527295
56:00:00	15.2190834	3.056897744	2.921254367	0.011396789	1.774799052	1.670173251	0.037479139	17.96449867	0.120482972	18.21040408	0.079513742
56:30:00	15.02947097	3.011365806	2.877214619	0.011224975	1.746628039	1.642503209	0.03688424	17.7363054	0.118952543	17.98119965	0.078512946
57:00:00	14.8422209	2.966512057	2.833838798	0.011055752	1.718904178	1.614833166	0.036298785	17.51101075	0.117441553	17.75488009	0.077524746
57:30:00	14.65730375	2.922326396	2.791116895	0.010889079	1.691620373	1.587163124	0.035722622	17.28857789	0.115949757	17.5314091	0.076548984
58:00:00	14.47469045	2.878798873	2.749039052	0.01072492	1.664769637	1.559493081	0.035155604	17.06897048	0.11447691	17.31075081	0.075585504
58:30:00	14.29435231	2.835919685	2.707595558	0.010563235	1.637918902	1.531823039	0.034588586	16.85215262	0.113022772	17.09286982	0.07463415
59:00:00	14.11626097	2.793679174	2.666776852	0.010403987	1.611068166	1.504152996	0.034021569	16.63808888	0.111587105	16.87773119	0.073694771
59:30:00	13.94038845	2.751438664	2.626573513	0.010247141	1.584217431	1.476482953	0.033454551	16.42674427	0.110169675	16.66530039	0.072767215
60:00:00	13.7667071	2.709198153	2.586976264	0.010092658	1.557366696	1.448812911	0.032887533	16.21808426	0.108770249	16.45554334	0.071851334
60:30:00	13.59518963	2.666957643	2.547975969	0.009940505	1.53051596	1.421142868	0.032320516	16.01207475	0.1073886	16.24842638	0.07094698
61:00:00	13.42580906	2.624717132	2.508975674	0.009788352	1.503665225	1.393472826	0.031753498	15.80868206	0.106024501	16.0439163	0.070054009
61:30:00	13.25853879	2.582476621	2.469975379	0.009636199	1.476814489	1.365802783	0.03118648	15.60787296	0.104677729	15.84198027	0.069172278
62:00:00	13.09335251	2.540236111	2.430975084	0.009484046	1.449963754	1.338132741	0.030619463	15.40961463	0.103348065	15.6425859	0.068301644
62:30:00	12.93022426	2.4979956	2.391974789	0.009331893	1.423113018	1.310462698	0.030052445	15.21387467	0.10203529	15.4457012	0.067441968
63:00:00	12.76912841	2.45575509	2.352974494	0.009179739	1.396262283	1.282792655	0.029485427	15.02062108	0.100739192	15.25129458	0.066593113
63:30:00	12.61003962	2.413514579	2.3139742	0.009027586	1.369411548	1.255122613	0.028918409	14.82982229	0.099459556	15.05933485	0.065754942
64:00:00	12.45293291	2.371274068	2.274973905	0.008875433	1.342560812	1.22745257	0.028351392	14.6390235	0.098179921	14.86737512	0.064916771
64:30:00	12.29778356	2.329033558	2.23597361	0.00872328	1.315710077	1.199782528	0.027784374	14.44822471	0.096900286	14.67541539	0.064078599
65:00:00	12.14456719	2.286793047	2.196973315	0.008571127	1.288859341	1.172112485	0.027217356	14.25742592	0.095620651	14.48345565	0.063240428
65:30:00	11.99325973	2.244552536	2.15797302	0.008418974	1.262008606	1.144442442	0.026650339	14.06662713	0.094341015	14.29149592	0.062402257
66:00:00	11.84383739	2.202312026	2.118972725	0.00826682	1.23515787	1.1167724	0.026083321	13.87582834	0.09306138	14.09953619	0.061564086
66:30:00	11.69441504	2.160071515	2.07997243	0.008114667	1.208307135	1.089102357	0.025516303	13.68502955	0.091781745	13.90757646	0.060725915
67:00:00	11.5449927	2.117831005	2.040972135	0.007962514	1.1814564	1.061432315	0.024949286	13.49423076	0.09050211	13.71561673	0.059887743
67:30:00	11.39557035	2.075590494	2.00197184	0.007810361	1.154605664	1.033762272	0.024382268	13.30343197	0.089222475	13.523657	0.059049572
68:00:00	11.24614801	2.033349983	1.962971545	0.007658208	1.127754929	1.00609223	0.02381525	13.11263318	0.087942839	13.33169727	0.058211401
68:30:00	11.09672566	1.991109473	1.92397125	0.007506054	1.100904193	0.978422187	0.023248233	12.92183439	0.086663204	13.13973754	0.05737323
69:00:00	10.94730332	1.948868962	1.884970955	0.007353901	1.074053458	0.950752144	0.022681215	12.73103561	0.085383569	12.94777781	0.056535059
69:30:00	10.79788098	1.906628451	1.84597066	0.007201748	1.047202722	0.923082102	0.022114197	12.54023682	0.084103934	12.75581808	0.055696887
70:00:00	10.64845863	1.864387941	1.806970365	0.007049595	1.020351987	0.895412059	0.02154718	12.34943803	0.082824298	12.56385835	0.054858716
70:30:00	10.49903629	1.82214743	1.76797007	0.006897442	0.993501252	0.867742017	0.020980162	12.15863924	0.081544663	12.37189862	0.054020545
71:00:00	10.34961394	1.77990692	1.728969775	0.006745289	0.966650516	0.840071974	0.020413144	11.96784045	0.080265028	12.17993888	0.053182374
71:30:00	10.2001916	1.737666409	1.68996948	0.006593135	0.939799781	0.812401932	0.019846127	11.77704166	0.078985393	11.98797915	0.052344203
72:00:00	10.05076925	1.695425898	1.650969185	0.006440982	0.912949045	0.784731889	0.019279109	11.58624287	0.077705758	11.79601942	0.051506031
72:30:00	9.90134691	1.653185388	1.61196889	0.006288829	0.88609831	0.757061846	0.018712091	11.39544408	0.076426122	11.60405969	0.05066786

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	61.710	45.240	304.230	305.090
Sum Flow	67.690	45.511	301.104	302.273
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	5.51	3.382	33.906	34.036
37:00:00	5.43	3.329	33.459	33.587
37:30:00	5.35	3.276	33.017	33.144
38:00:00	5.27	3.224	32.582	32.707
38:30:00	5.19	3.173	32.152	32.276
39:00:00	5.11	3.122	31.728	31.850
39:30:00	5.03	3.073	31.309	31.430
40:00:00	4.96	3.024	30.896	31.016
40:30:00	4.89	2.976	30.489	30.607
41:00:00	4.81	2.929	30.087	30.203
41:30:00	4.74	2.882	29.690	29.805
42:00:00	4.67	2.837	29.299	29.412
42:30:00	4.60	2.792	28.913	29.025
43:00:00	4.53	2.747	28.532	28.642
43:30:00	4.47	2.704	28.156	28.265
44:00:00	4.40	2.661	27.785	27.893
44:30:00	4.33	2.618	27.419	27.525
45:00:00	4.27	2.577	27.058	27.163
45:30:00	4.21	2.536	26.702	26.805
46:00:00	4.14	2.496	26.350	26.452
46:30:00	4.08	2.456	26.003	26.104
47:00:00	4.02	2.417	25.661	25.761
47:30:00	3.96	2.379	25.323	25.421
48:00:00	3.90	2.341	24.990	25.087
48:30:00	3.84	2.304	24.661	24.757
49:00:00	3.79	2.267	24.336	24.431
49:30:00	3.73	2.231	24.016	24.110
50:00:00	3.67	2.196	23.700	23.793
50:30:00	3.62	2.161	23.388	23.480
51:00:00	3.57	2.127	23.081	23.171
51:30:00	3.51	2.093	22.777	22.866
52:00:00	3.46	2.060	22.478	22.566
52:30:00	3.41	2.027	22.182	22.269
53:00:00	3.36	1.995	21.890	21.976
53:30:00	3.31	1.963	21.603	21.687
54:00:00	3.26	1.932	21.319	21.402
54:30:00	3.21	1.901	21.039	21.121
55:00:00	3.16	1.871	20.762	20.844
55:30:00	3.11	1.842	20.489	20.570
56:00:00	3.07	1.812	20.220	20.300
56:30:00	3.02	1.784	19.955	20.033
57:00:00	2.98	1.755	19.692	19.770
57:30:00	2.93	1.727	19.434	19.510
58:00:00	2.89	1.700	19.179	19.254
58:30:00	2.85	1.673	18.926	19.001
59:00:00	2.80	1.645	18.677	18.751
59:30:00	2.76	1.618	18.430	18.503
60:00:00	2.72	1.590	18.185	18.257
60:30:00	2.68	1.563	17.942	18.013
61:00:00	2.63	1.535	17.702	17.772
61:30:00	2.59	1.508	17.463	17.533
62:00:00	2.55	1.481	17.227	17.295
62:30:00	2.51	1.453	16.993	17.060
63:00:00	2.46	1.426	16.761	16.827
63:30:00	2.42	1.398	16.530	16.596
64:00:00	2.38	1.371	16.302	16.367
64:30:00	2.34	1.343	16.076	16.140
65:00:00	2.30	1.316	15.852	15.915
65:30:00	2.25	1.289	15.629	15.692
66:00:00	2.21	1.261	15.409	15.470
66:30:00	2.17	1.234	15.188	15.249
67:00:00	2.13	1.206	14.968	15.028
67:30:00	2.08	1.179	14.747	14.806
68:00:00	2.04	1.152	14.527	14.585
68:30:00	2.00	1.124	14.306	14.364
69:00:00	1.96	1.097	14.086	14.142
69:30:00	1.91	1.069	13.865	13.921
70:00:00	1.87	1.042	13.645	13.699
70:30:00	1.83	1.014	13.424	13.478
71:00:00	1.79	0.987	13.204	13.257
71:30:00	1.74	0.960	12.983	13.035
72:00:00	1.70	0.932	12.763	12.814
72:30:00	1.66	0.905	12.542	12.593

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q2	235.72	61.32	61.71	0.24	44.57	45.24	0.94	304.23	2.04	305.09	1.33
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	9.751924566	1.610944877	1.572968596	0.006136676	0.859247574	0.729391804	0.018145074	11.20464529	0.075146487	11.41209996	0.049829689
73:30:00	9.602502222	1.568704366	1.533968301	0.005984523	0.832396839	0.701721761	0.017578056	11.0138465	0.073866852	11.22014023	0.048991518
74:00:00	9.453079877	1.526463856	1.494968006	0.00583237	0.805546103	0.674051719	0.017011038	10.82304771	0.072587217	11.0281805	0.048153346
74:30:00	9.303657533	1.484223345	1.455967711	0.005680216	0.778695368	0.646381676	0.01644402	10.63224892	0.071307581	10.83622077	0.047315175
75:00:00	9.154235189	1.441982835	1.416967416	0.005528063	0.751844633	0.618711633	0.015877003	10.44145013	0.070027946	10.64426104	0.046477004
75:30:00	9.004812844	1.399742324	1.377967121	0.00537591	0.724993897	0.591041591	0.015309985	10.25065134	0.068748311	10.45230131	0.045638833
76:00:00	8.8553905	1.357501813	1.338966826	0.005223757	0.698143162	0.563371548	0.014742967	10.05985255	0.067468676	10.26034158	0.044800662
76:30:00	8.705968156	1.315261303	1.299966531	0.005071604	0.671292426	0.535701506	0.01417595	9.869053759	0.066189041	10.06838185	0.04396249
77:00:00	8.556545811	1.273020792	1.260966236	0.00491945	0.644441691	0.508031463	0.013608932	9.678254969	0.064909405	9.876422115	0.043124319
77:30:00	8.407123467	1.230780282	1.221965941	0.004767297	0.617590955	0.480361421	0.013041914	9.48745618	0.06362977	9.684462384	0.042286148
78:00:00	8.257701123	1.188539771	1.182965646	0.004615144	0.59074022	0.452691378	0.012474897	9.29665739	0.062350135	9.492502653	0.041447977
78:30:00	8.108278779	1.14629926	1.143965351	0.004462991	0.563889485	0.425021335	0.011907879	9.1058586	0.0610705	9.300542922	0.040609806
79:00:00	7.958856434	1.10405875	1.104965056	0.004310838	0.537038749	0.397351293	0.011340861	8.91505981	0.059790864	9.108583191	0.039771634
79:30:00	7.80943409	1.061818239	1.065964761	0.004158685	0.510188014	0.36968125	0.010773844	8.724261021	0.058511229	8.916623461	0.038933463
80:00:00	7.660011746	1.019577728	1.026964466	0.004006531	0.483337278	0.342011208	0.010206826	8.533462231	0.057231594	8.72466373	0.038095292

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	61.710	45.240	304.230	305.090
Sum Flow	67.690	45.511	301.104	302.273
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	1.62	0.877	12.322	12.371
73:30:00	1.57	0.850	12.101	12.150
74:00:00	1.53	0.823	11.881	11.929
74:30:00	1.49	0.795	11.660	11.707
75:00:00	1.45	0.768	11.439	11.486
75:30:00	1.41	0.740	11.219	11.265
76:00:00	1.36	0.713	10.998	11.043
76:30:00	1.32	0.685	10.778	10.822
77:00:00	1.28	0.658	10.557	10.601
77:30:00	1.24	0.631	10.337	10.379
78:00:00	1.19	0.603	10.116	10.158
78:30:00	1.15	0.576	9.896	9.937
79:00:00	1.11	0.548	9.675	9.715
79:30:00	1.07	0.521	9.455	9.494
80:00:00	1.02	0.494	9.234	9.272

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q5	300.07	80.21	80.71668	0.31	58.97	59.85252	1.25	387.28479	2.60	388.37957	1.70
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	14.96733081	3.604518989	3.309027755	0.012909623	2.189628347	2.17836525	0.046239255	18.68726678	0.12533038	18.843608	0.082278558
00:30:00	14.96733081	3.741921945	3.424634639	0.013360644	2.260171989	2.254895107	0.047728953	18.91027272	0.12682602	19.06022429	0.083224389
01:00:00	14.96733081	4.343635041	3.934204848	0.015348647	2.581024017	2.597777599	0.054504513	20.22764397	0.135661268	20.35549125	0.088880031
01:30:00	14.96733081	5.605967973	4.984781268	0.019447297	3.243421143	3.305427477	0.068492617	23.04179572	0.154535013	23.12593762	0.100976882
02:00:00	14.96733081	7.800671247	6.765534556	0.02639461	4.370761972	4.511808152	0.092299123	27.89503032	0.187084328	27.90464534	0.121842588
02:30:00	15.10024079	10.94254056	9.197644736	0.035883084	6.049390274	6.267650849	0.127747386	35.53121415	0.238298122	35.42313244	0.154671241
03:00:00	15.99239907	15.21104375	12.3583842	0.048214185	8.248585623	8.554043198	0.17418867	46.83172035	0.314087522	46.58870767	0.203424507
03:30:00	17.92262467	21.08995207	16.52104693	0.064454122	11.14542327	11.56183974	0.235362346	62.06601303	0.41625975	61.700408	0.269408097
04:00:00	21.27057282	29.27635038	22.07737421	0.086131211	14.997971	15.55794306	0.316718132	82.46275733	0.553055128	81.936886	0.357768469
04:30:00	26.55438965	40.53530849	29.63491913	0.115615718	20.1619491	20.92245069	0.425767915	109.9168924	0.737182492	109.1789714	0.476718062
05:00:00	34.4831404	54.3379744	39.70740909	0.154911865	27.00521562	28.03377392	0.570279902	146.3125745	0.981278364	145.3017351	0.634444167
05:30:00	45.51862559	68.55574022	51.76191428	0.201940516	35.24862497	36.57050881	0.744359263	190.9651075	1.280750673	189.6554865	0.828109981
06:00:00	60.30579061	80.39619415	63.98964692	0.249644985	43.86018962	45.40791212	0.926213106	240.2358173	1.611195828	238.657403	1.042071501
06:30:00	80.21563443	87.13140956	74.03872192	0.288849783	51.52131517	53.09907122	1.087996148	289.570977	1.942073232	287.8844103	1.257015855
07:00:00	106.631916	88.227216	79.71068409	0.310978002	56.8405492	58.15477613	1.200324534	333.7601456	2.238437883	332.2796788	1.45086295
07:30:00	139.1949812	84.99993784	80.71668	0.314902728	58.96611	59.85252	1.245210848	366.9909079	2.461307504	366.1588402	1.59879261
08:00:00	175.4751157	79.07881237	78.09477808	0.304673813	58.28950769	58.74030658	1.230922767	384.5850501	2.579306597	384.7194126	1.679835324
08:30:00	212.5060142	71.88012418	73.13358575	0.285318545	55.61699722	55.68232622	1.174486299	387.28479	2.597413013	388.37957	1.695817002
09:00:00	247.0306796	63.97254803	66.96731172	0.26126185	51.72657205	51.4936893	1.09233064	378.2937296	2.537112433	380.228983	1.660228353
09:30:00	275.2385113	55.57642932	60.22443594	0.23495564	47.26903359	46.79879518	0.998199023	360.9410354	2.420732666	363.5591655	1.587441415
10:00:00	293.305759	47.06710747	53.07254647	0.20705373	42.4662345	41.77316111	0.8967764	337.8163178	2.265641519	340.9272581	1.488621661
10:30:00	300.07156	38.81594083	45.66566179	0.178156999	37.40240692	36.4996718	0.789841535	311.4127618	2.088560101	314.7753534	1.374432223
11:00:00	297.3671152	31.63795904	38.3900853	0.149772545	32.26019717	31.18511072	0.681251442	283.8850514	1.903939286	287.4266632	1.255017153
11:30:00	287.5704854	26.06675471	31.66370896	0.123530704	27.21483577	26.03570466	0.574706535	256.0223046	1.717071475	259.7480587	1.134161547
12:00:00	272.5284316	22.02666152	26.22175214	0.102299813	22.54276871	21.41914531	0.476044632	228.1871805	1.530388921	232.100616	1.013442006
12:30:00	253.9891661	19.20651751	22.16746574	0.086482688	18.67604597	17.59928787	0.394389507	200.8224728	1.346861322	204.8597286	0.894497645
13:00:00	233.8716132	17.21410724	19.23188043	0.075029989	15.69950937	14.74422115	0.331532797	175.3619866	1.176104814	179.4013888	0.783336583
13:30:00	213.4156379	15.80563751	17.15609913	0.066931673	13.50174863	12.67506958	0.285121807	152.1168055	1.020205751	156.0738506	0.681479434
14:00:00	193.0133298	14.82885622	15.65106661	0.061060038	11.86158683	11.19492399	0.250485857	131.2971566	0.880574068	135.0356215	0.589618303
14:30:00	172.8108963	14.16920171	14.56204819	0.056811414	10.65981008	10.11184166	0.225107458	113.3634692	0.760297739	116.6829449	0.509483343
15:00:00	153.473142	13.74178778	13.78952129	0.053797528	9.781277143	9.328059983	0.206555128	98.89548864	0.663264956	101.58828	0.443574136
15:30:00	135.5400408	13.48334978	13.25700557	0.051720007	9.148013862	8.770615298	0.193182255	87.81837784	0.588973808	89.93747607	0.392702173
16:00:00	118.9699005	13.28251772	12.90630452	0.050351805	8.699809529	8.38354119	0.183717345	79.3920559	0.532460774	81.04797569	0.35388714
16:30:00	103.859189	13.08467702	12.68671862	0.049495127	8.390700917	8.124315851	0.177189776	73.04817646	0.489914112	74.33842572	0.324590622
17:00:00	90.45871528	12.88978312	12.49545835	0.048748957	8.185886976	7.960412656	0.172864638	68.31381246	0.45816203	69.31934915	0.302675372
17:30:00	79.17237038	12.69779214	12.30708145	0.048014035	8.049401376	7.830680449	0.169982417	64.81089285	0.434668907	65.59627212	0.286418963
18:00:00	70.23221988	12.50866082	12.12154446	0.047290194	7.921634916	7.70306251	0.167284322	62.2441527	0.417454484	62.8596793	0.274469929
18:30:00	63.3449306	12.32234658	11.93880455	0.046577264	7.795896466	7.577524383	0.164629053	60.38640771	0.404995097	60.87068286	0.265785193
19:00:00	58.11959333	12.13880746	11.75881956	0.045875083	7.672153837	7.454032172	0.162015931	59.06464651	0.396130407	59.44696174	0.25956867
19:30:00	54.18922197	11.95800212	11.58154795	0.045183487	7.550375348	7.332552534	0.159444286	58.14808187	0.389983259	58.45047562	0.255217622
20:00:00	51.25437737	11.77988984	11.40694883	0.044502317	7.430529823	7.213052672	0.15691346	57.40945838	0.385029513	57.70509912	0.251963017
20:30:00	49.07862291	11.60443051	11.2349819	0.043831417	7.312586582	7.095500318	0.154422806	56.68021721	0.380138693	56.97879649	0.248791696
21:00:00	47.47873809	11.43158462	11.06560748	0.043170631	7.196515428	6.979863736	0.151971685	55.96023921	0.375309997	56.26163544	0.24566029
21:30:00	46.31449763	11.26131323	10.89878648	0.042519806	7.082286648	6.866111703	0.14955947	55.24940669	0.370542638	55.5535009	0.242568298
22:00:00	45.47951945	11.09357801	10.73448042	0.041878793	6.969870997	6.754213506	0.147185544	54.54760349	0.365835837	54.85427927	0.239515223
22:30:00	44.87647181	10.92834117	10.57265137	0.041247444	6.859239697	6.644138933	0.144849299	53.85471491	0.361188823	54.16385836	0.236500576
23:00:00	44.31736213	10.76556551	10.413262	0.040625613	6.750364423	6.535858264	0.142550136	53.17062773	0.356600837	53.4821274	0.233523872
23:30:00	43.76521832	10.60521436	10.25627552	0.040013156	6.643217304	6.429342264	0.140287468	52.49523013	0.352071131	52.80897702	0.230584634
24:00:00	43.21995359	10.44725161	10.10165572	0.039409933	6.537770909	6.324562174	0.138060714	51.82841174	0.347598962	52.14429922	0.227682391
24:30:00	42.68148223	10.29164169	9.9493669	0.038815803	6.433998243	6.221489702	0.135869305	51.17006358	0.343183601	51.48798735	0.224816677
25:00:00	42.14971962	10.13834955	9.799373933	0.038230631	6.331872738	6.12009702	0.13371268	50.52007806	0.338824327	50.83993612	0.221987032
25:30:00	41.62458216	9.987340663	9.651642205	0.03765428	6.23136825	6.020356752	0.131590287	49.87834895	0.334520425	50.20004156	0.219193002
26:00:00	41.10598732	9.838581031	9.506137626	0.037086618	6.132459048	5.922241969	0.129501582	49.24477138	0.330271194	49.568201	0.216434139
26:30:00	40.59385358	9.692037147	9.36282662	0.036527514	6.035119812	5.825726178	0.127446031	48.6192418	0.326075938	48.94431308	0.213710001
27:00:00	40.08810044	9.547676007	9.221676117	0.035976839	5.939325621	5.730783322	0.125423106	48.00165799	0.321933973	48.32827769	0.21102015
27:30:00	39.58864841	9.4054651	9.082653548	0.035434465	5.84505195	5.637387766	0.123432292	47.391919	0.317844621	47.719996	0.208364154
28:00:00	39.09541898	9.265372399	8.94572683	0.034900268	5.752274667	5.545514293	0.121473077	46.7899252	0.313807213	47.11937043	0.205741588
28:30:00	38.60833462	9.127366354	8.81086437	0.034374125	5.660970017	5.455138098	0.11954496	46.1955782	0.30982109	46.5263046	0.203152031
29:00:00	38.12731879	8.991415883	8.678035045	0.033855913	5.571114627	5.36623478	0.117647448	45.60878086	0.305885601	45.94070336	0.200595067
29:30:00	37.65229586	8.85749037	8.547208207	0.033345514	5.482685493	5.278780334	0.115780055	45.0294373	0.302000103	45.36247278	0.198070286
30:00:00	37.18319118	8.725559654	8.418353665	0.032842809	5.395659976	5.192751148	0.113942302	44.45745282	0.29816396	44.79152006	0.195577283
30:30:00	36.719931	8.595594021	8.291441686	0.032347683	5.310015797	5.108123994	0.11213372	43.89273394	0.294376545	44.22775361	0.193115659
31:00:00	36.26244252	8.467564204	8.166442986	0.031860022	5.225731029	5.024876023	0.110353845	43.33518839	0.290637239	43.67108299	0.190685017
31:30:00	35.81065382	8.341441367	8.043328719	0.031379712	5.142784097	4.942984759	0.108602222	42.78472503	0.286945432	43.12141887	0.188284969
32:00:00	35.3644939	8.217197107	7.922070478	0.030906643	5.061153763	4.862428091	0.106878401	42.24125391	0.283300521	42.57867308	0.185915129
32:30:00	34.92389262	8.094803443	7.802640281	0.030440706	4.980819131	4.783184269	0.105181943	41.70468621	0.279701908	42.04275853	0.183575116
33:00:00	34.48878073	7.97423281	7.685010569	0.029981793	4.901759633	4.705231897	0.103512412	41.17493424	0.276149007	41.51358925	0.181264556
33:30:00	34.05908984	7.855458055	7.569154199	0.029529799	4.823955031	4.628549928	0.101869381	40.65191142	0.272641236	40.99108033	0.178983078
34:00:00	33.63475241	7.738452428	7.455044437	0.029084618	4.747385404	4.553117658	0.10025243	40.13553227	0.269178022	40.47514795	0.176730316
34:30:00	33.21570173	7.62318958	7.342654951	0.028646149	4.672031151	4.478914721	0.098661144	39.62571241	0.2657588	39.96570933	0.174505908
35:00:00	32.80187196	7.50964355	7.231959808	0.028214291	4.59787298	4.405921081	0.097095116	39.12236851	0.26238301	39.46268273	0.172309497
35:30:00	32.39319802	7.397788768	7.122933463	0.027788943	4.524891907	4.334117032	0.095553946	38.62541832	0.259050102	38.96598746	0.170140731
36:00:00	31.9896157	7.287600043	7.015550759	0.027370007	4.453069246	4.263483185	0.094037238	38.13478061	0.255759529	38.47554382	0.167999263

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	80.717	59.853	387.285	388.380
Sum Flow	88.538	60.211	386.209	387.697
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	3.62	2.236	20.946	21.028
00:30:00	3.76	2.308	21.157	21.241
01:00:00	4.36	2.636	22.098	22.186
01:30:00	5.63	3.312	24.059	24.160
02:00:00	7.83	4.463	27.445	27.566
02:30:00	10.98	6.177	32.494	32.649
03:00:00	15.26	8.423	39.989	40.192
03:30:00	21.15	11.381	50.874	51.143
04:00:00	29.36	15.315	66.501	66.859
04:30:00	40.65	20.588	88.530	89.007
05:00:00	54.49	27.575	117.533	118.167
05:30:00	68.76	35.993	151.550	152.378
06:00:00	80.65	44.786	187.349	188.391
06:30:00	87.42	52.609	222.187	223.444
07:00:00	88.54	58.041	255.449	256.900
07:30:00	85.31	60.211	287.182	288.781
08:00:00	79.38	59.520	316.958	318.638
08:30:00	72.17	56.791	344.060	345.756
09:00:00	64.23	52.819	366.621	368.281
09:30:00	55.81	48.267	381.738	383.325
10:00:00	47.27	43.363	386.209	387.697
10:30:00	38.99	38.192	379.346	380.721
11:00:00	31.79	32.941	364.000	365.255
11:30:00	26.19	27.790	343.267	344.402
12:00:00	22.13	23.019	319.207	320.220
12:30:00	19.29	19.070	293.699	294.594
13:00:00	17.29	16.031	268.368	269.151
13:30:00	15.87	13.787	244.095	244.777
14:00:00	14.89	12.112	220.896	221.486
14:30:00	14.23	10.885	198.682	199.192
15:00:00	13.80	9.988	177.920	178.363
15:30:00	13.54	9.341	159.005	159.398
16:00:00	13.33	8.884	141.719	142.073
16:30:00	13.13	8.568	126.051	126.376
17:00:00	12.94	8.359	112.214	112.517
17:30:00	12.75	8.219	100.572	100.859
18:00:00	12.56	8.089	91.295	91.569
18:30:00	12.37	7.961	84.079	84.345
19:00:00	12.18	7.834	78.535	78.794
19:30:00	12.00	7.710	74.292	74.547
20:00:00	11.82	7.587	71.051	71.303
20:30:00	11.65	7.467	68.574	68.823
21:00:00	11.47	7.348	66.677	66.923
21:30:00	11.30	7.232	65.221	65.463
22:00:00	11.14	7.117	64.098	64.337
22:30:00	10.97	7.004	63.211	63.448
23:00:00	10.81	6.893	62.373	62.607
23:30:00	10.65	6.784	61.546	61.777
24:00:00	10.49	6.676	60.730	60.958
24:30:00	10.33	6.570	59.925	60.150
25:00:00	10.18	6.466	59.131	59.353
25:30:00	10.02	6.363	58.347	58.566
26:00:00	9.88	6.262	57.574	57.790
26:30:00	9.73	6.163	56.811	57.025
27:00:00	9.58	6.065	56.058	56.269
27:30:00	9.44	5.968	55.316	55.524
28:00:00	9.30	5.874	54.583	54.789
28:30:00	9.16	5.781	53.860	54.064
29:00:00	9.03	5.689	53.147	53.348
29:30:00	8.89	5.598	52.444	52.642
30:00:00	8.76	5.510	51.749	51.945
30:30:00	8.63	5.422	51.064	51.258
31:00:00	8.50	5.336	50.389	50.579
31:30:00	8.37	5.251	49.722	49.910
32:00:00	8.25	5.168	49.064	49.250
32:30:00	8.13	5.086	48.415	48.598
33:00:00	8.00	5.005	47.774	47.956
33:30:00	7.88	4.926	47.143	47.322
34:00:00	7.77	4.848	46.519	46.696
34:30:00	7.65	4.771	45.904	46.078
35:00:00	7.54	4.695	45.297	45.469
35:30:00	7.43	4.620	44.698	44.868
36:00:00	7.31	4.547	44.107	44.275

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q5	300.07	80.21	80.71668	0.31	58.97	59.85252	1.25	387.28479	2.60	388.37957	1.70
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	31.59106156	7.179052559	6.909786917	0.026957387	4.382386612	4.19400047	0.092544605	37.65037521	0.252510754	37.99127312	0.165884747
37:00:00	31.19747295	7.07212187	6.805617532	0.026550987	4.312825908	4.125650127	0.091075664	37.17212294	0.249303248	37.51309768	0.163796847
37:30:00	30.808788	6.966783894	6.703018565	0.026150714	4.244369327	4.058413701	0.089630039	36.69994566	0.246136484	37.04094076	0.161735225
38:00:00	30.42494562	6.863014908	6.601966343	0.025756476	4.176999343	3.992273039	0.08820736	36.23376619	0.243009946	36.57472664	0.159699552
38:30:00	30.04588548	6.760791543	6.502437546	0.025368181	4.110698708	3.927210283	0.086807263	35.77350834	0.239923122	36.11438049	0.157689501
39:00:00	29.671548	6.660090776	6.404409209	0.024985739	4.04545045	3.863207865	0.08542939	35.3190969	0.236875509	35.65982847	0.155704749
39:30:00	29.30187433	6.560889929	6.30785871	0.024609064	3.981237863	3.800248505	0.084073387	34.8704576	0.233866608	35.21099765	0.153744978
40:00:00	28.93680638	6.463166661	6.212763771	0.024238067	3.918044509	3.738315206	0.082738908	34.42751712	0.230895928	34.76781602	0.151809874
40:30:00	28.57628676	6.366898962	6.119102448	0.023872662	3.85585421	3.677391243	0.08142561	33.99020307	0.227962982	34.33021247	0.149899126
41:00:00	28.22025881	6.272065154	6.026853129	0.023512767	3.794651045	3.617460169	0.080133159	33.55844398	0.225067292	33.8981168	0.148012427
41:30:00	27.86866655	6.178643879	5.935994525	0.023158297	3.734419345	3.558505802	0.078861222	33.1321693	0.222208385	33.47145968	0.146149475
42:00:00	27.52145474	6.086614096	5.846505673	0.022809171	3.67514369	3.500512224	0.077609474	32.71130935	0.219385793	33.05017267	0.144309972
42:30:00	27.17856878	5.99595508	5.758365921	0.022465309	3.616808905	3.443463778	0.076377595	32.29579536	0.216599054	32.63418816	0.142493621
43:00:00	26.8399548	5.906646414	5.671554932	0.02212663	3.559400055	3.38734506	0.07516527	31.88555942	0.213847714	32.22343942	0.140700131
43:30:00	26.50555956	5.818667984	5.586052672	0.021793057	3.502902445	3.332140918	0.073972187	31.48053448	0.211131323	31.81786056	0.138929215
44:00:00	26.1753305	5.731999978	5.501839414	0.021464513	3.447301609	3.277836447	0.072798042	31.08065435	0.208449436	31.41738649	0.137180589
44:30:00	25.84921572	5.646622875	5.418895723	0.021140922	3.392583313	3.224416986	0.071642534	30.68585368	0.205801616	31.02195297	0.135453972
45:00:00	25.52716396	5.562517449	5.33720246	0.020822209	3.33873355	3.171868111	0.070505367	30.29606795	0.20318743	30.63149656	0.133749086
45:30:00	25.2091246	5.479664758	5.256740775	0.020508302	3.285738532	3.120175634	0.06938625	29.91123346	0.20060645	30.24595461	0.13206566
46:00:00	24.89504765	5.398046143	5.1774921	0.020199126	3.233584694	3.069325598	0.068284897	29.53128731	0.198058256	29.86526527	0.130403421
46:30:00	24.58488373	5.317643222	5.099438149	0.019894611	3.182258682	3.019304273	0.067201025	29.15616741	0.195542429	29.48936746	0.128762104
47:00:00	24.27858411	5.238437888	5.02256091	0.019594688	3.131747357	2.970098155	0.066134357	28.78581245	0.19305856	29.11820087	0.127141446
47:30:00	23.97610062	5.160412304	4.946842644	0.019299285	3.082037788	2.921693957	0.06508462	28.42016192	0.190606242	28.75170594	0.125541186
48:00:00	23.67738574	5.083548896	4.872265878	0.019008337	3.033117249	2.874078611	0.064051546	28.05915604	0.188185074	28.3898239	0.123961067
48:30:00	23.38239251	5.007830355	4.798813405	0.018721774	2.984973215	2.827239261	0.063034869	27.70273582	0.185794662	28.03249666	0.122400837
49:00:00	23.09107455	4.933239628	4.726468273	0.018439531	2.937593361	2.781163259	0.06203433	27.35084302	0.183434613	27.6796669	0.120860244
49:30:00	22.80338609	4.859759916	4.65521379	0.018161544	2.890965557	2.735838165	0.061049672	27.00342012	0.181104543	27.33127803	0.119339042
50:00:00	22.51928189	4.787374672	4.585033513	0.017887747	2.845077867	2.691251743	0.060080643	26.66041034	0.17880407	26.98727413	0.117836987
50:30:00	22.23871731	4.716067592	4.515911248	0.017618078	2.799918543	2.647391953	0.059126996	26.32175763	0.176532819	26.64760002	0.116353837
51:00:00	21.96164824	4.645822618	4.447831044	0.017352474	2.755476023	2.604246953	0.058188485	25.98740664	0.174290419	26.31220121	0.114889355
51:30:00	21.68803114	4.576623931	4.380777192	0.017090875	2.71173893	2.561805095	0.057264872	25.65730273	0.172076502	25.98102387	0.113443305
52:00:00	21.417823	4.508455946	4.31473422	0.016833219	2.668696067	2.520054919	0.056355919	25.33139196	0.169890708	25.65401489	0.112015456
52:30:00	21.15098134	4.44130331	4.249686887	0.016579448	2.626336414	2.478985153	0.055461393	25.00962105	0.167732678	25.33112179	0.110605578
53:00:00	20.88746422	4.375150901	4.185620183	0.016329502	2.584649127	2.438584708	0.054581066	24.69193742	0.165602061	25.01229277	0.109213446
53:30:00	20.62723023	4.30998382	4.122519325	0.016083325	2.543623533	2.398842676	0.053714712	24.37828915	0.163498508	24.69747667	0.107838836
54:00:00	20.37023846	4.245787391	4.060369752	0.015840859	2.50324913	2.359748327	0.05286211	24.06862498	0.161421676	24.386623	0.106481528
54:30:00	20.11644851	4.182547156	3.999157123	0.015602048	2.463515582	2.321291105	0.05202304	23.76289432	0.159371224	24.07968187	0.105141303
55:00:00	19.86582049	4.120248872	3.938867313	0.015366837	2.424412715	2.283460626	0.05119729	23.46104718	0.157346818	23.77660404	0.103817946
55:30:00	19.61831501	4.058878511	3.87948641	0.015135172	2.385930521	2.246246678	0.050384646	23.16303424	0.155348127	23.47734089	0.102511246
56:00:00	19.37389317	3.99842225	3.821000711	0.014907	2.348059146	2.209639212	0.049584901	22.8688068	0.153374824	23.1818444	0.101220993
56:30:00	19.13251655	3.938866474	3.763396721	0.014682268	2.310788895	2.173031745	0.04879785	22.57831677	0.151426587	22.89006716	0.09994698
57:00:00	18.8941472	3.88019777	3.706661148	0.014460923	2.274110228	2.136424279	0.048023292	22.29151668	0.149503097	22.60196236	0.098689002
57:30:00	18.65874767	3.822402927	3.650780899	0.014242916	2.238013753	2.099816813	0.047261028	22.00835965	0.14760404	22.31748378	0.097446857
58:00:00	18.42628094	3.765468927	3.59574308	0.014028195	2.20249023	2.063209346	0.046510864	21.72879942	0.145729106	22.03658578	0.096220347
58:30:00	18.19671049	3.709382948	3.54153499	0.013816711	2.166966707	2.02660188	0.0457607	21.45279028	0.143877989	21.75922329	0.095009274
59:00:00	17.97000022	3.65413236	3.488144122	0.013608415	2.131443184	1.989994414	0.045010535	21.18028714	0.142050385	21.4853518	0.093813444
59:30:00	17.7461145	3.598881772	3.435558154	0.01340326	2.095919661	1.953386947	0.044260371	20.91124546	0.140245996	21.21492739	0.092632665
60:00:00	17.52501814	3.543631184	3.383764954	0.013201197	2.060396138	1.916779481	0.043510207	20.64562127	0.138464527	20.94790667	0.091466748
60:30:00	17.3066764	3.488380597	3.332752568	0.013002181	2.024872615	1.880172015	0.042760042	20.38337116	0.136705688	20.68424679	0.090315506
61:00:00	17.09105494	3.433130009	3.281740182	0.012803165	1.989349092	1.843564548	0.042009878	20.12445227	0.134969189	20.42390545	0.089178754
61:30:00	16.87811988	3.377879421	3.230727796	0.012604148	1.953825569	1.806957082	0.041259713	19.86882228	0.133254749	20.16684088	0.08805631
62:00:00	16.66783774	3.322628833	3.17971541	0.012405132	1.918302046	1.770349616	0.040509549	19.61643942	0.131562086	19.91301185	0.086947993
62:30:00	16.46017549	3.267378245	3.128703025	0.012206115	1.882778523	1.733742149	0.039759385	19.36726245	0.129890925	19.66237763	0.085853626
63:00:00	16.25510046	3.212127657	3.077690639	0.012007099	1.847255	1.697134683	0.03900922	19.12125064	0.128240991	19.414898	0.084773033
63:30:00	16.05258044	3.156877069	3.026678253	0.011808083	1.811731477	1.660527217	0.038259056	18.87836378	0.126612015	19.17053326	0.083706041
64:00:00	15.85258359	3.101626481	2.975665867	0.011609066	1.776207954	1.62391975	0.037508891	18.63547692	0.12498304	18.92616852	0.082639049
64:30:00	15.65507847	3.046375893	2.924653481	0.01141005	1.740684431	1.587312284	0.036758727	18.39259006	0.123354064	18.68180379	0.081572057
65:00:00	15.46003404	2.991125306	2.873641096	0.011211034	1.705160909	1.550704818	0.036008563	18.1497032	0.121725088	18.43743905	0.080505065
65:30:00	15.26741964	2.935874718	2.82262871	0.011012017	1.669637386	1.514097351	0.035258398	17.90681634	0.120096113	18.19307431	0.079438073
66:00:00	15.07720499	2.88062413	2.771616324	0.010813001	1.634113863	1.477489885	0.034508234	17.66392948	0.118467137	17.94870957	0.078371081
66:30:00	14.88699035	2.825373542	2.720603938	0.010613985	1.59859034	1.440882419	0.033758069	17.42104262	0.116838161	17.70434484	0.077304089
67:00:00	14.6967757	2.770122954	2.669591552	0.010414968	1.563066817	1.404274952	0.033007905	17.17815576	0.115209186	17.4599801	0.076237097
67:30:00	14.50656106	2.714872366	2.618579167	0.010215952	1.527543294	1.367667486	0.032257741	16.9352689	0.11358021	17.21561536	0.075170105
68:00:00	14.31634642	2.659621778	2.567566781	0.010016936	1.492019771	1.33106002	0.031507576	16.69238204	0.111951234	16.97125062	0.074103113
68:30:00	14.12613177	2.60437119	2.516554395	0.009817919	1.456496248	1.294452553	0.030757412	16.44949518	0.110322259	16.72688589	0.073036122
69:00:00	13.93591713	2.549120602	2.465542009	0.009618903	1.420972725	1.257845087	0.030007247	16.20660833	0.108693283	16.48252115	0.07196913
69:30:00	13.74570248	2.493870015	2.414529623	0.009419887	1.385449202	1.221237621	0.029257083	15.96372147	0.107064308	16.23815641	0.070902138
70:00:00	13.55548784	2.438619427	2.363517238	0.00922087	1.349925679	1.184630154	0.028506919	15.72083461	0.105435332	15.99379167	0.069835146
70:30:00	13.36527319	2.383368839	2.312504852	0.009021854	1.314402156	1.148022688	0.027756754	15.47794775	0.103806356	15.74942694	0.068768154
71:00:00	13.17505855	2.328118251	2.261492466	0.008822837	1.278878633	1.111415222	0.02700659	15.23506089	0.102177381	15.5050622	0.067701162
71:30:00	12.98484391	2.272867663	2.21048008	0.008623821	1.24335511	1.074807755	0.026256425	14.99217403	0.100548405	15.26069746	0.06663417
72:00:00	12.79462926	2.217617075	2.159467695	0.008424805	1.207831587	1.038200289	0.025506261	14.74928717	0.098919429	15.01633273	0.065567178
72:30:00	12.60441462	2.162366487	2.108455309	0.008225788	1.172308064	1.001592823	0.024756097	14.50640031	0.097290454	14.77196799	0.064500186

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	80.717	59.853	387.285	388.380
Sum Flow	88.538	60.211	386.209	387.697
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	7.21	4.475	43.525	43.690
37:00:00	7.10	4.404	42.949	43.113
37:30:00	6.99	4.334	42.382	42.544
38:00:00	6.89	4.265	41.822	41.982
38:30:00	6.79	4.198	41.269	41.427
39:00:00	6.69	4.131	40.724	40.880
39:30:00	6.59	4.065	40.187	40.340
40:00:00	6.49	4.001	39.656	39.808
40:30:00	6.39	3.937	39.132	39.282
41:00:00	6.30	3.875	38.616	38.764
41:30:00	6.20	3.813	38.106	38.252
42:00:00	6.11	3.753	37.603	37.747
42:30:00	6.02	3.693	37.107	37.249
43:00:00	5.93	3.635	36.617	36.758
43:30:00	5.84	3.577	36.134	36.273
44:00:00	5.75	3.520	35.657	35.795
44:30:00	5.67	3.464	35.187	35.322
45:00:00	5.58	3.409	34.723	34.857
45:30:00	5.50	3.355	34.265	34.397
46:00:00	5.42	3.302	33.813	33.944
46:30:00	5.34	3.249	33.367	33.496
47:00:00	5.26	3.198	32.928	33.055
47:30:00	5.18	3.147	32.494	32.619
48:00:00	5.10	3.097	32.065	32.189
48:30:00	5.03	3.048	31.643	31.765
49:00:00	4.95	3.000	31.226	31.347
49:30:00	4.88	2.952	30.814	30.934
50:00:00	4.81	2.905	30.409	30.526
50:30:00	4.73	2.859	30.008	30.124
51:00:00	4.66	2.814	29.613	29.728
51:30:00	4.59	2.769	29.223	29.336
52:00:00	4.53	2.725	28.838	28.950
52:30:00	4.46	2.682	28.458	28.569
53:00:00	4.39	2.639	28.084	28.193
53:30:00	4.33	2.597	27.714	27.822
54:00:00	4.26	2.556	27.349	27.456
54:30:00	4.20	2.516	26.990	27.095
55:00:00	4.14	2.476	26.634	26.738
55:30:00	4.07	2.436	26.284	26.387
56:00:00	4.01	2.398	25.938	26.039
56:30:00	3.95	2.360	25.597	25.697
57:00:00	3.89	2.322	25.260	25.359
57:30:00	3.84	2.285	24.928	25.026
58:00:00	3.78	2.249	24.601	24.697
58:30:00	3.72	2.213	24.277	24.372
59:00:00	3.67	2.176	23.956	24.050
59:30:00	3.61	2.140	23.639	23.731
60:00:00	3.56	2.104	23.324	23.416
60:30:00	3.50	2.068	23.012	23.103
61:00:00	3.45	2.031	22.703	22.792
61:30:00	3.39	1.995	22.397	22.485
62:00:00	3.34	1.959	22.093	22.180
62:30:00	3.28	1.923	21.792	21.878
63:00:00	3.22	1.886	21.494	21.579
63:30:00	3.17	1.850	21.198	21.282
64:00:00	3.11	1.814	20.905	20.987
64:30:00	3.06	1.777	20.614	20.695
65:00:00	3.00	1.741	20.325	20.406
65:30:00	2.95	1.705	20.039	20.119
66:00:00	2.89	1.669	19.756	19.834
66:30:00	2.84	1.632	19.472	19.549
67:00:00	2.78	1.596	19.189	19.265
67:30:00	2.73	1.560	18.905	18.980
68:00:00	2.67	1.524	18.621	18.696
68:30:00	2.61	1.487	18.338	18.411
69:00:00	2.56	1.451	18.054	18.126
69:30:00	2.50	1.415	17.771	17.842
70:00:00	2.45	1.378	17.487	17.557
70:30:00	2.39	1.342	17.204	17.272
71:00:00	2.34	1.306	16.920	16.988
71:30:00	2.28	1.270	16.636	16.703
72:00:00	2.23	1.233	16.353	16.418
72:30:00	2.17	1.197	16.069	16.134

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q5	300.07	80.21	80.71668	0.31	58.97	59.85252	1.25	387.28479	2.60	388.37957	1.70
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	12.41419997	2.107115899	2.057442923	0.008026772	1.136784541	0.964985356	0.024005932	14.26351345	0.095661478	14.52760325	0.063433194
73:30:00	12.22398533	2.051865311	2.006430537	0.007827756	1.101261018	0.92837789	0.023255768	14.02062659	0.094032502	14.28323851	0.062366202
74:00:00	12.03377068	1.996614723	1.955418151	0.007628739	1.065737495	0.891770424	0.022505603	13.77773973	0.092403527	14.03887378	0.06129921
74:30:00	11.84355604	1.941364136	1.904405766	0.007429723	1.030213972	0.855162957	0.021755439	13.53485287	0.090774551	13.79450904	0.060232218
75:00:00	11.6533414	1.886113548	1.85339338	0.007230707	0.994690449	0.818555491	0.021005275	13.29196601	0.089145576	13.5501443	0.059165226
75:30:00	11.46312675	1.83086296	1.802380994	0.00703169	0.959166926	0.781948025	0.02025511	13.04907915	0.0875166	13.30577956	0.058098234
76:00:00	11.27291211	1.775612372	1.751368608	0.006832674	0.923643403	0.745340558	0.019504946	12.80619229	0.085887624	13.06141483	0.057031242
76:30:00	11.08269746	1.720361784	1.700356222	0.006633658	0.88811988	0.708733092	0.018754782	12.56330544	0.084258649	12.81705009	0.05596425
77:00:00	10.89248282	1.665111196	1.649343837	0.006434641	0.852596357	0.672125626	0.018004617	12.32041858	0.082629673	12.57268535	0.054897258
77:30:00	10.70226817	1.609860608	1.598331451	0.006235625	0.817072834	0.635518159	0.017254453	12.07753172	0.081000697	12.32832061	0.053830266
78:00:00	10.51205353	1.55461002	1.547319065	0.006036608	0.781549311	0.598910693	0.016504288	11.83464486	0.079371722	12.08395588	0.052763274
78:30:00	10.32183889	1.499359432	1.496306679	0.005837592	0.746025788	0.562303227	0.015754124	11.591758	0.077742746	11.83959114	0.051696282
79:00:00	10.13162424	1.444108845	1.445294293	0.005638576	0.710502265	0.52569576	0.01500396	11.34887114	0.07611377	11.5952264	0.05062929
79:30:00	9.941409596	1.388858257	1.394281908	0.005439559	0.674978742	0.489088294	0.014253795	11.10598428	0.074484795	11.35086167	0.049562299
80:00:00	9.751194952	1.333607669	1.343269522	0.005240543	0.639455219	0.452480828	0.013503631	10.86309742	0.072855819	11.10649693	0.048495307

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	80.717	59.853	387.285	388.380
Sum Flow	88.538	60.211	386.209	387.697
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	2.12	1.161	15.786	15.849
73:30:00	2.06	1.125	15.502	15.565
74:00:00	2.00	1.088	15.219	15.280
74:30:00	1.95	1.052	14.935	14.995
75:00:00	1.89	1.016	14.652	14.711
75:30:00	1.84	0.979	14.368	14.426
76:00:00	1.78	0.943	14.084	14.141
76:30:00	1.73	0.907	13.801	13.857
77:00:00	1.67	0.871	13.517	13.572
77:30:00	1.62	0.834	13.234	13.288
78:00:00	1.56	0.798	12.950	13.003
78:30:00	1.51	0.762	12.667	12.718
79:00:00	1.45	0.726	12.383	12.434
79:30:00	1.39	0.689	12.099	12.149
80:00:00	1.34	0.653	11.816	11.864

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q10	342.03	92.90	93.49065	0.36	69.35	70.39344	1.46	441.43773	2.96	442.68559	1.93
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	17.06017046	4.17495892	3.832704166	0.014952659	2.575254504	2.562007808	0.054382676	21.30025459	0.142854974	21.47845657	0.093783336
00:30:00	17.06017046	4.334106839	3.966606635	0.015475057	2.658221931	2.652015712	0.056134732	21.55444282	0.144559744	21.7253617	0.094861421
01:00:00	17.06017046	5.031045174	4.556819835	0.017777676	3.035580778	3.055284916	0.064103569	23.05601838	0.1546304	23.20174218	0.101307875
01:30:00	17.06017046	6.493150977	5.773657203	0.022524965	3.814635902	3.887562475	0.080555187	26.26366504	0.176143208	26.35957226	0.115096195
02:00:00	17.06017046	9.035181146	7.836226952	0.030571739	5.140518237	5.306404751	0.108554373	31.79551374	0.213243802	31.80647321	0.138879494
02:30:00	17.21166487	12.67427289	10.6532353	0.041561829	7.114777979	7.371477492	0.150245602	40.49944362	0.271618676	40.37624915	0.176298485
03:00:00	18.22857113	17.61829609	14.31418354	0.055844411	9.701284376	10.06053758	0.204865889	53.38006773	0.358005494	53.10307528	0.231868782
03:30:00	20.42869473	24.4275821	19.13561628	0.074654431	13.10829827	13.59805188	0.276813159	70.7445286	0.474464177	70.32780205	0.307078672
04:00:00	24.24477704	33.90953427	25.57127058	0.099762067	17.63933702	18.29792849	0.372496911	93.99329213	0.630387266	93.3938897	0.407794226
04:30:00	30.26741507	46.95029998	34.32484899	0.133912701	23.71276855	24.6072058	0.500751985	125.2862615	0.840260641	124.4451591	0.543376204
05:00:00	39.30482068	62.93733273	45.99137979	0.179427734	31.76123621	32.97093894	0.670714685	166.7710492	1.11848775	165.618867	0.723156706
05:30:00	51.88336663	79.40515782	59.95359337	0.233898993	41.45643269	43.01111996	0.875452013	217.66722	1.459834427	216.1744783	0.943902265
06:00:00	68.73817924	93.11944506	74.11644884	0.289153022	51.58462211	53.40492158	1.089333026	273.8273141	1.836484797	272.0281947	1.187781421
06:30:00	91.43196038	100.9205547	85.7558591	0.334562249	60.59498594	62.45060833	1.279608471	330.0608701	2.213627855	328.1384755	1.432780838
07:00:00	121.5419561	102.18978	92.32544832	0.360192411	66.8510163	68.39669816	1.411719557	380.4288855	2.55143234	378.7414092	1.653733025
07:30:00	158.6582229	98.45176287	93.49065	0.364738252	69.35092	70.39344	1.46451102	418.3062116	2.805465191	417.3577982	1.822347272
08:00:00	200.0113062	91.59357855	90.45381406	0.352890541	68.55515795	69.08534923	1.447706596	438.3604931	2.939963765	438.5136431	1.91472196
08:30:00	242.2201308	83.25564842	84.70747891	0.330472168	65.41197859	65.488813	1.381330824	441.43773	2.96060195	442.68559	1.932938311
09:00:00	281.5722829	74.09664393	77.56534958	0.302608336	60.83639162	60.56249475	1.284706331	431.189475	2.89186971	433.3953294	1.892373402
09:30:00	313.7243362	64.37178166	69.75536731	0.272138987	55.59381426	55.04075986	1.173996735	411.4104025	2.759216888	414.3946184	1.809408871
10:00:00	334.3178761	54.51580108	61.47164213	0.239821408	49.94517073	49.1300368	1.054712078	385.0522209	2.582439783	388.5981551	1.69677143
10:30:00	342.02972	44.95883055	52.89256698	0.20635157	43.98952772	42.9278075	0.928944391	354.9567301	2.380597569	358.7895033	1.566615205
11:00:00	338.9471203	36.64488375	44.46558045	0.173475081	37.94169826	36.67727307	0.801229965	323.5798975	2.170161747	327.6167229	1.430502662
11:30:00	327.7806554	30.191998	36.67470877	0.143080288	32.00777359	30.62097993	0.675920913	291.8211815	1.957164737	296.0678972	1.292748158
12:00:00	310.6353136	25.51253227	30.37152484	0.118489463	26.51288595	25.19137574	0.55988318	260.0939505	1.744378888	264.5545906	1.155148744
12:30:00	289.5037549	22.24608106	25.67561972	0.100169168	21.96517576	20.69878452	0.463847372	228.9029128	1.535189142	233.5046867	1.019572728
13:00:00	266.5732214	19.93835816	22.27545783	0.086904001	18.46442675	17.34089805	0.389920659	199.8823587	1.340556234	204.4865791	0.892868328
13:30:00	243.2569447	18.3069884	19.87116986	0.077524071	15.87960761	14.90733807	0.335336003	173.3868695	1.162858245	177.897217	0.776768781
14:00:00	220.0018393	17.17562475	18.12795559	0.07072321	13.95058889	13.1665168	0.294600146	149.6560677	1.003702257	153.9172717	0.672062967
14:30:00	196.9745566	16.41157537	16.86659251	0.065802211	12.53716136	11.89268755	0.264752234	129.2147634	0.866608028	132.9983921	0.580722962
15:00:00	174.9328586	15.91652025	15.97180791	0.062311357	11.5039057	10.97087024	0.242932562	112.7237659	0.756007424	115.7930827	0.505597857
15:30:00	154.4922225	15.61718265	15.35501792	0.059905054	10.75911532	10.31525125	0.227204527	100.097774	0.671328354	102.5131797	0.44761261
16:00:00	135.6051262	15.38456754	14.94881601	0.058320324	10.23197553	9.860007628	0.216072706	90.49322318	0.606913263	92.38068556	0.40337018
16:30:00	118.3815265	15.15541719	14.69447913	0.057328071	9.868428289	9.555128847	0.208395534	83.26229697	0.558417421	84.73295814	0.369977213
17:00:00	103.1073023	14.92968	14.47295061	0.056463814	9.627543563	9.362359858	0.203308675	77.86594021	0.522225534	79.01207826	0.344997616
17:30:00	90.24281966	14.70730511	14.25476177	0.055612587	9.467020817	9.209779878	0.199918852	73.87321723	0.495447435	74.76841387	0.326468118
18:00:00	80.05259312	14.48824246	14.03986227	0.054774192	9.316752781	9.05968652	0.196745582	70.94757704	0.475825967	71.64917098	0.312848285
18:30:00	72.20227361	14.27244271	13.82820251	0.053948437	9.168869918	8.912039259	0.193622681	68.8300688	0.46162442	69.38205878	0.302949187
19:00:00	66.24629216	14.05985726	13.61973366	0.05313513	9.023334369	8.766798231	0.190549348	67.32348946	0.451520205	67.75926276	0.295863425
19:30:00	61.76634806	13.85043823	13.41440761	0.052334085	8.880108875	8.62392422	0.187524799	66.27876418	0.444513518	66.62344079	0.290903982
20:00:00	58.42113241	13.64413846	13.21217697	0.051545115	8.739156769	8.483378652	0.184548257	65.43686104	0.438867104	65.77384039	0.287194295
20:30:00	55.94114834	13.44091149	13.01299509	0.05076804	8.600441966	8.345123579	0.181618961	64.60565214	0.433292414	64.94598092	0.283579537
21:00:00	54.11755614	13.24071154	12.816816	0.05000268	8.463928954	8.209121673	0.178736161	63.78500164	0.427788536	64.12854126	0.280010276
21:30:00	52.79052323	13.04349354	12.62359443	0.049248858	8.329582785	8.075336213	0.17589912	62.97477542	0.422354571	63.32139027	0.276485939
22:00:00	51.83879239	12.84921306	12.43328581	0.048506401	8.197369064	7.943731077	0.17310711	62.17484105	0.41698963	62.52439845	0.273005961
22:30:00	51.15142231	12.65782636	12.2458462	0.047775136	8.067253944	7.814270733	0.170359417	61.38506782	0.411692837	61.73743793	0.269569784
23:00:00	50.51413389	12.46929033	12.06123236	0.047054896	7.939204114	7.686920226	0.167655338	60.60532665	0.406463327	60.96038245	0.266176856
23:30:00	49.88478537	12.2835625	11.87940169	0.046345514	7.813186792	7.561645173	0.16499418	59.83549011	0.401300244	60.19310735	0.262826633
24:00:00	49.26327781	12.10060106	11.70031224	0.045646826	7.689169716	7.438411748	0.162375262	59.07543239	0.396202745	59.43548952	0.259518578
24:30:00	48.64951353	11.9203648	11.52392267	0.044958671	7.567121138	7.317186679	0.159797913	58.32502926	0.391169997	58.68740742	0.256252159
25:00:00	48.04339605	11.74281312	11.35019229	0.044280891	7.447009811	7.197937236	0.157261474	57.5841581	0.386201177	57.94874101	0.253026853
25:30:00	47.4448301	11.56790604	11.17908099	0.043613329	7.328804986	7.080631222	0.154765296	56.85269782	0.381295473	57.2193718	0.249842142
26:00:00	46.85372161	11.39560418	11.01054931	0.04295583	7.212476401	6.965236964	0.152308739	56.13052889	0.376452084	56.49918276	0.246697515
26:30:00	46.26997765	11.22586871	10.84455836	0.042308244	7.097994276	6.851723306	0.149891174	55.41753327	0.371670217	55.78805834	0.243592468
27:00:00	45.69350647	11.05866143	10.68106981	0.041670421	6.985329301	6.740059599	0.147511983	54.71359445	0.366949092	55.08588447	0.240526502
27:30:00	45.12421747	10.89394467	10.52004597	0.041042213	6.874452634	6.630215695	0.145170556	54.01859738	0.362287937	54.39254847	0.237499126
28:00:00	44.56202116	10.73168133	10.36144965	0.040423476	6.765335889	6.522161935	0.142866295	53.33242849	0.357685991	53.70793911	0.234509854
28:30:00	44.00682918	10.57183488	10.20524428	0.039814067	6.657951131	6.415869147	0.140598608	52.65497562	0.3531425	53.03194656	0.231558206
29:00:00	43.45855425	10.41436931	10.0513938	0.039213844	6.552270869	6.31130863	0.138366916	51.98612807	0.348656722	52.36446236	0.228643709
29:30:00	42.91711021	10.25924917	9.899862716	0.038622671	6.448268048	6.208452154	0.136170647	51.32577653	0.344227926	51.70537942	0.225765896
30:00:00	42.38241194	10.10643951	9.750616057	0.03804041	6.345916041	6.107271947	0.134009238	50.67381307	0.339855385	51.05459199	0.222924303
30:30:00	41.8543754	9.955905919	9.603619385	0.037466927	6.245188647	6.007740691	0.131882138	50.03013115	0.335538387	50.41199567	0.220118477
31:00:00	41.33291759	9.807614502	9.45883878	0.036902089	6.146060077	5.909831514	0.1297888	49.39462557	0.331276225	49.77748737	0.217347965
31:30:00	40.81795656	9.661531858	9.316240833	0.036345767	6.048504954	5.813517979	0.12772869	48.76719248	0.327068203	49.15096527	0.214612325
32:00:00	40.30941135	9.517625089	9.175792641	0.035797832	5.952498303	5.718774082	0.125701279	48.14772932	0.322913633	48.53232886	0.211911117
32:30:00	39.80720204	9.375861786	9.037461793	0.035258157	5.858015546	5.625574242	0.123706049	47.53613487	0.318811837	47.9214789	0.209243907
33:00:00	39.31124968	9.236210021	8.90121637	0.034726618	5.765032494	5.533893297	0.121742489	46.93230918	0.314762143	47.31831736	0.206610268
33:30:00	38.82147632	9.098638343	8.767024933	0.034203092	5.673525342	5.443706491	0.119810096	46.33615355	0.310763891	46.7227475	0.204009777
34:00:00	38.33780498	8.963115772	8.634856515	0.033687459	5.583470664	5.354989475	0.117908376	45.74757056	0.306816426	46.13467375	0.201442017
34:30:00	37.86015964	8.829611784	8.50468062	0.0331796	5.494845405	5.267718296	0.116036841	45.16646402	0.302919104	45.55400176	0.198906577
35:00:00	37.38846521	8.698096314	8.376467209	0.032679396	5.407626876	5.18186939	0.114195012	44.59273897	0.299071287	44.98063837	0.196403048
35:30:00	36.92264755	8.568539743	8.250186695	0.032186734	5.321792749	5.097419578	0.112382419	44.02630163	0.295272347	44.4144916	0.19393103
36:00:00	36.46263345	8.440912894	8.125809939	0.031701499	5.237321049	5.014346059	0.110598596	43.46705944	0.291521662	43.8554706	0.191490126

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	93.491	70.393	441.438	442.686
Sum Flow	102.550	70.815	442.656	444.353
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	4.19	2.630	24.023	24.116
00:30:00	4.35	2.714	24.269	24.364
01:00:00	5.05	3.100	25.363	25.465
01:30:00	6.52	3.895	27.647	27.762
02:00:00	9.07	5.249	31.588	31.727
02:30:00	12.72	7.265	37.464	37.640
03:00:00	17.67	9.906	46.167	46.399
03:30:00	24.50	13.385	58.791	59.098
04:00:00	34.01	18.012	76.896	77.304
04:30:00	47.08	24.214	102.405	102.949
05:00:00	63.12	32.432	135.972	136.695
05:30:00	79.64	42.332	175.314	176.258
06:00:00	93.41	52.674	216.657	217.845
06:30:00	101.26	61.875	256.775	258.208
07:00:00	102.55	68.263	294.906	296.560
07:30:00	98.82	70.815	331.096	332.918
08:00:00	91.95	70.003	364.901	366.815
08:30:00	83.59	66.793	395.560	397.493
09:00:00	74.40	62.121	420.985	422.877
09:30:00	64.64	56.768	437.895	439.705
10:00:00	54.76	51.000	442.656	444.353
10:30:00	45.17	44.918	434.494	436.061
11:00:00	36.82	38.743	416.679	418.109
11:30:00	30.34	32.684	392.757	394.049
12:00:00	25.63	27.073	365.083	366.239
12:30:00	22.35	22.429	335.814	336.834
13:00:00	20.03	18.854	306.793	307.686
13:30:00	18.38	16.215	279.019	279.796
14:00:00	17.25	14.245	252.497	253.169
14:30:00	16.48	12.802	227.120	227.701
15:00:00	15.98	11.747	203.415	203.920
15:30:00	15.68	10.986	181.827	182.275
16:00:00	15.44	10.448	162.103	162.506
16:30:00	15.21	10.077	144.230	144.599
17:00:00	14.99	9.831	128.447	128.792
17:30:00	14.76	9.667	115.168	115.495
18:00:00	14.54	9.513	104.585	104.898
18:30:00	14.33	9.362	96.353	96.656
19:00:00	14.11	9.214	90.025	90.321
19:30:00	13.90	9.068	85.181	85.472
20:00:00	13.70	8.924	81.479	81.767
20:30:00	13.49	8.782	78.648	78.932
21:00:00	13.29	8.643	76.479	76.759
21:30:00	13.09	8.505	74.811	75.088
22:00:00	12.90	8.370	73.524	73.797
22:30:00	12.71	8.238	72.506	72.776
23:00:00	12.52	8.107	71.544	71.810
23:30:00	12.33	7.978	70.594	70.857
24:00:00	12.15	7.852	69.657	69.917
24:30:00	11.97	7.727	68.733	68.989
25:00:00	11.79	7.604	67.821	68.074
25:30:00	11.61	7.484	66.921	67.171
26:00:00	11.44	7.365	66.034	66.280
26:30:00	11.27	7.248	65.158	65.401
27:00:00	11.10	7.133	64.294	64.534
27:30:00	10.93	7.020	63.441	63.679
28:00:00	10.77	6.908	62.600	62.835
28:30:00	10.61	6.799	61.770	62.002
29:00:00	10.45	6.691	60.951	61.180
29:30:00	10.30	6.584	60.144	60.369
30:00:00	10.14	6.480	59.347	59.570
30:30:00	9.99	6.377	58.560	58.780
31:00:00	9.84	6.276	57.785	58.002
31:30:00	9.70	6.176	57.019	57.234
32:00:00	9.55	6.078	56.264	56.476
32:30:00	9.41	5.982	55.519	55.728
33:00:00	9.27	5.887	54.784	54.990
33:30:00	9.13	5.793	54.058	54.262
34:00:00	9.00	5.701	53.343	53.544
34:30:00	8.86	5.611	52.637	52.836
35:00:00	8.73	5.522	51.940	52.137
35:30:00	8.60	5.434	51.253	51.447
36:00:00	8.47	5.348	50.575	50.766

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q10	342.03	92.90	93.49065	0.36	69.35	70.39344	1.46	441.43773	2.96	442.68559	1.93
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	36.00835061	8.315187023	8.003308242	0.031223579	5.15419015	4.932626404	0.108843088	42.91492099	0.287818621	43.3034857	0.189079944
37:00:00	35.55972761	8.191333817	7.882653334	0.030752863	5.072378771	4.852238547	0.107115444	42.36979607	0.284162618	42.75844833	0.186700098
37:30:00	35.11669394	8.069325382	7.763817375	0.030289245	4.991865966	4.773160786	0.105415223	41.83159556	0.280553054	42.22027105	0.184350205
38:00:00	34.67917996	7.94913424	7.646772943	0.029832615	4.912631124	4.695317768	0.10374199	41.30023153	0.276989341	41.68886752	0.18202989
38:30:00	34.24711691	7.830733324	7.531493029	0.02938287	4.834653961	4.618850491	0.102095315	40.77561713	0.273470896	41.16415247	0.179738779
39:00:00	33.82043688	7.714095968	7.417951033	0.028939905	4.757914512	4.543576295	0.100474777	40.25766661	0.269997144	40.64604172	0.177476505
39:30:00	33.39907279	7.599195904	7.306120754	0.028503617	4.682393133	4.469528855	0.098879962	39.74629534	0.266567517	40.13445215	0.175242705
40:00:00	32.98295842	7.486007256	7.195976386	0.028073907	4.608070489	4.396688178	0.097310461	39.24141975	0.263181454	39.62930168	0.17303702
40:30:00	32.57202835	7.374504532	7.087492514	0.027650676	4.534927552	4.325034599	0.095765873	38.74295731	0.259838403	39.13050926	0.170859098
41:00:00	32.16621801	7.264662621	6.980644105	0.027233824	4.462945598	4.25454877	0.094245801	38.25082657	0.256537817	38.63799487	0.168708587
41:30:00	31.7654636	7.156456786	6.875406503	0.026823257	4.392106199	4.185211661	0.092749857	37.7649471	0.253279157	38.1516795	0.166585144
42:00:00	31.36970214	7.049862657	6.771755424	0.02641888	4.322391218	4.117004551	0.091277658	37.28523949	0.250061889	37.6714851	0.164488428
42:30:00	30.97887141	6.944856228	6.66966695	0.026020598	4.253782809	4.049909024	0.089828827	36.81162535	0.246885489	37.19733466	0.162418102
43:00:00	30.59290999	6.841413851	6.569117524	0.025628322	4.186263406	3.983906963	0.088402993	36.34402727	0.243749437	36.72915208	0.160373834
43:30:00	30.2117572	6.73951223	6.470083944	0.025241959	4.119815725	3.91898055	0.086999791	35.88236883	0.24065322	36.26686227	0.158355296
44:00:00	29.83535315	6.639128414	6.372543357	0.02486142	4.054422754	3.855112254	0.085618861	35.4265746	0.237596333	35.81039104	0.156362164
44:30:00	29.46363866	6.540239798	6.276473257	0.024486619	3.990067752	3.79228483	0.084259851	34.97657006	0.234578276	35.35966517	0.154394119
45:00:00	29.09655531	6.442824109	6.181851473	0.024117467	3.926734243	3.730481315	0.082922412	34.5322817	0.231598555	34.91461234	0.152450844
45:30:00	28.7340454	6.34685941	6.088656172	0.023753881	3.864406014	3.669685023	0.081606202	34.09363688	0.228656685	34.47516115	0.150532028
46:00:00	28.37605195	6.252324087	5.996865849	0.023395777	3.803067108	3.609879539	0.080310884	33.66056393	0.225752183	34.04124109	0.148637364
46:30:00	28.02251869	6.159196851	5.906459323	0.023043071	3.742701821	3.551048715	0.079036126	33.23299207	0.222884576	33.61278255	0.146766546
47:00:00	27.67339005	6.067456728	5.817415733	0.022695682	3.6832947	3.493176666	0.077781602	32.81085143	0.220053394	33.18971678	0.144919276
47:30:00	27.32861116	5.977083058	5.72971453	0.02235353	3.624830535	3.436247769	0.076546991	32.39407301	0.217258175	32.7719759	0.143095256
48:00:00	26.98812782	5.888055488	5.643335478	0.022016537	3.567294361	3.380246651	0.075331977	31.9825887	0.214498463	32.35949291	0.141294194
48:30:00	26.65188651	5.800353966	5.558258645	0.021684623	3.510671445	3.325158193	0.074136248	31.57633125	0.211773805	31.95220161	0.139515801
49:00:00	26.31983439	5.713958743	5.474464399	0.021357714	3.454947294	3.270967521	0.072959499	31.17523426	0.209083758	31.55003667	0.137759791
49:30:00	25.99191926	5.628850362	5.391933403	0.021035733	3.40010764	3.217660004	0.071801428	30.7792322	0.20642788	31.15293356	0.136025884
50:00:00	25.66808957	5.545009654	5.310646615	0.020718606	3.346138444	3.165221249	0.070661739	30.38826033	0.203805739	30.76082856	0.1343138
50:30:00	25.34829444	5.462417738	5.230585275	0.02040626	3.29302589	3.113637096	0.06954014	30.00225477	0.201216905	30.37365878	0.132623266
51:00:00	25.03248358	5.381056015	5.151730911	0.020098623	3.240756381	3.06289362	0.068436344	29.62115243	0.198660956	29.9913621	0.130954009
51:30:00	24.72060737	5.300906159	5.074065326	0.019795624	3.189316535	3.012977119	0.067350068	29.24489102	0.196137474	29.61387717	0.129305762
52:00:00	24.41261679	5.221950121	4.997570599	0.019497192	3.138693182	2.963874115	0.066281035	28.87340906	0.193646046	29.24114344	0.127678261
52:30:00	24.10846341	5.144170118	4.922229077	0.01920326	3.088873363	2.915571352	0.06522897	28.50664583	0.191186266	28.87310111	0.126071245
53:00:00	23.80809944	5.067548635	4.848023377	0.018913758	3.039844324	2.868055787	0.064193604	28.14454139	0.188757731	28.50969113	0.124484455
53:30:00	23.51147766	4.992068415	4.774936374	0.018628622	2.991593513	2.821314591	0.063174673	27.78703657	0.186360044	28.15085519	0.122917637
54:00:00	23.21855145	4.917712459	4.702951204	0.018347783	2.944108576	2.775335145	0.062171914	27.43407294	0.183992813	27.79653572	0.121370539
54:30:00	22.92927477	4.844464022	4.632051255	0.018071179	2.897377358	2.730105033	0.061185073	27.08559281	0.181655653	27.44667588	0.119842914
55:00:00	22.64360215	4.772306607	4.562220168	0.017798745	2.851387895	2.685612044	0.060213895	26.74153924	0.179348179	27.10121953	0.118334517
55:30:00	22.36148868	4.701223963	4.493441828	0.017530417	2.806128413	2.641844166	0.059258132	26.401856	0.177070017	26.76011125	0.116845105
56:00:00	22.08289002	4.631200083	4.425700365	0.017266135	2.761587325	2.598789579	0.05831754	26.06648756	0.174820793	26.42329632	0.115374439
56:30:00	21.80776238	4.562219196	4.358980148	0.017005837	2.717753229	2.555734993	0.057391878	25.73537913	0.172600139	26.09072069	0.113922284
57:00:00	21.53606252	4.494265766	4.293265779	0.016749464	2.674614902	2.512680407	0.056480909	25.40847659	0.170407693	25.76233102	0.112488406
57:30:00	21.26774773	4.427324491	4.228542096	0.016496955	2.6321613	2.469625821	0.055584399	25.08572652	0.168243097	25.4380746	0.111072576
58:00:00	21.00277584	4.361380293	4.164794163	0.016248253	2.590381556	2.426571234	0.05470212	24.76707616	0.166105996	25.11789942	0.109674566
58:30:00	20.7411052	4.296418323	4.102007271	0.0160033	2.548601811	2.383516648	0.05381984	24.45247345	0.163996042	24.80175411	0.108294152
59:00:00	20.48269467	4.232423949	4.04016693	0.015762041	2.506822067	2.340462062	0.052937561	24.14186696	0.161912889	24.48958796	0.106931113
59:30:00	20.22750365	4.168429576	3.979258872	0.015524418	2.465042323	2.297407476	0.052055281	23.83520594	0.159856198	24.18135086	0.105585229
60:00:00	19.97549201	4.104435202	3.91926904	0.015290378	2.423262578	2.254352889	0.051173002	23.53244027	0.157825632	23.87699338	0.104256285
60:30:00	19.72662015	4.040440829	3.860183593	0.015059866	2.381482834	2.211298303	0.050290722	23.23352046	0.155820858	23.57646668	0.102944068
61:00:00	19.48084895	3.976446455	3.801098147	0.014829353	2.33970309	2.168243717	0.049408443	22.93839767	0.153841551	23.27972255	0.101648368
61:30:00	19.23813978	3.912452081	3.7420127	0.014598841	2.297923345	2.125189131	0.048526163	22.64702367	0.151887385	22.98671337	0.100368975
62:00:00	18.99845449	3.848457708	3.682927253	0.014368329	2.256143601	2.082134544	0.047643884	22.35935083	0.149958042	22.69739214	0.099105685
62:30:00	18.7617554	3.784463334	3.623841806	0.014137817	2.214363857	2.039079958	0.046761604	22.07533214	0.148053206	22.41171244	0.097858296
63:00:00	18.52800532	3.720468961	3.564756359	0.013907305	2.172584112	1.996025372	0.045879325	21.79492119	0.146172567	22.12962843	0.096626607
63:30:00	18.29716749	3.656474587	3.505670912	0.013676793	2.130804368	1.952970786	0.044997045	21.51807215	0.144315816	21.85109486	0.095410421
64:00:00	18.06920565	3.592480213	3.446585465	0.013446281	2.089024624	1.909916199	0.044114766	21.2412231	0.142459066	21.57256129	0.094194234
64:30:00	17.84408394	3.52848584	3.387500019	0.013215769	2.047244879	1.866861613	0.043232486	20.96437406	0.140602315	21.29402772	0.092978048
65:00:00	17.621767	3.464491466	3.328414572	0.012985257	2.005465135	1.823807027	0.042350207	20.68752501	0.138745564	21.01549415	0.091761861
65:30:00	17.40221987	3.400497093	3.269329125	0.012754745	1.963685391	1.78075244	0.041467927	20.41067597	0.136888813	20.73696059	0.090545675
66:00:00	17.18540805	3.336502719	3.210243678	0.012524233	1.921905646	1.737697854	0.040585648	20.13382693	0.135032063	20.45842702	0.089329489
66:30:00	16.96859623	3.272508346	3.151158231	0.012293721	1.880125902	1.694643268	0.039703368	19.85697788	0.133175312	20.17989345	0.088113302
67:00:00	16.7517844	3.208513972	3.092072784	0.012063209	1.838346158	1.651588682	0.038821089	19.58012884	0.131318561	19.90135988	0.086897116
67:30:00	16.53497258	3.144519598	3.032987338	0.011832697	1.796566413	1.608534095	0.037938809	19.30327979	0.129461811	19.62282631	0.085680929
68:00:00	16.31816076	3.080525225	2.973901891	0.011602185	1.754786669	1.565479509	0.03705653	19.02643075	0.12760506	19.34429274	0.084464743
68:30:00	16.10134894	3.016530851	2.914816444	0.011371673	1.713006925	1.522424923	0.03617425	18.74958171	0.125748309	19.06575917	0.083248556
69:00:00	15.88453712	2.952536478	2.855730997	0.01114116	1.67122718	1.479370337	0.035291971	18.47273266	0.123891558	18.7872256	0.08203237
69:30:00	15.6677253	2.888542104	2.79664555	0.010910648	1.629447436	1.43631575	0.034409691	18.19588362	0.122034808	18.50869203	0.080816184
70:00:00	15.45091347	2.82454773	2.737560103	0.010680136	1.587667692	1.393261164	0.033527411	17.91903458	0.120178057	18.23015846	0.079599997
70:30:00	15.23410165	2.760553357	2.678474656	0.010449624	1.545887947	1.350206578	0.032645132	17.64218553	0.118321306	17.95162489	0.078383811
71:00:00	15.01728983	2.696558983	2.61938921	0.010219112	1.504108203	1.307151992	0.031762852	17.36533649	0.116464556	17.67309132	0.077167624
71:30:00	14.80047801	2.63256461	2.560303763	0.0099886	1.462328459	1.264097405	0.030880573	17.08848744	0.114607805	17.39455775	0.075951438
72:00:00	14.58366619	2.568570236	2.501218316	0.009758088	1.420548714	1.221042819	0.029998293	16.8116384	0.112751054	17.11602418	0.074735251
72:30:00	14.36685437	2.504575862	2.442132869	0.009527576	1.37876897	1.177988233	0.029116014	16.53478936	0.110894303	16.83749061	0.073519065

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	93.491	70.393	441.438	442.686
Sum Flow	102.550	70.815	442.656	444.353
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	8.35	5.263	49.906	50.095
37:00:00	8.22	5.179	49.245	49.432
37:30:00	8.10	5.097	48.594	48.778
38:00:00	7.98	5.016	47.952	48.134
38:30:00	7.86	4.937	47.317	47.497
39:00:00	7.74	4.858	46.692	46.869
39:30:00	7.63	4.781	46.075	46.250
40:00:00	7.51	4.705	45.466	45.639
40:30:00	7.40	4.631	44.865	45.036
41:00:00	7.29	4.557	44.272	44.441
41:30:00	7.18	4.485	43.687	43.853
42:00:00	7.08	4.414	43.110	43.274
42:30:00	6.97	4.344	42.540	42.703
43:00:00	6.87	4.275	41.978	42.139
43:30:00	6.76	4.207	41.424	41.582
44:00:00	6.66	4.140	40.877	41.033
44:30:00	6.56	4.074	40.337	40.492
45:00:00	6.47	4.010	39.805	39.957
45:30:00	6.37	3.946	39.279	39.430
46:00:00	6.28	3.883	38.761	38.910
46:30:00	6.18	3.822	38.249	38.396
47:00:00	6.09	3.761	37.745	37.890
47:30:00	6.00	3.701	37.247	37.390
48:00:00	5.91	3.643	36.755	36.897
48:30:00	5.82	3.585	36.271	36.410
49:00:00	5.74	3.528	35.792	35.930
49:30:00	5.65	3.472	35.320	35.456
50:00:00	5.57	3.417	34.854	34.989
50:30:00	5.48	3.363	34.395	34.528
51:00:00	5.40	3.309	33.941	34.072
51:30:00	5.32	3.257	33.494	33.623
52:00:00	5.24	3.205	33.053	33.180
52:30:00	5.16	3.154	32.617	32.743
53:00:00	5.09	3.104	32.187	32.312
53:30:00	5.01	3.055	31.763	31.886
54:00:00	4.94	3.006	31.345	31.466
54:30:00	4.86	2.959	30.932	31.052
55:00:00	4.79	2.912	30.525	30.643
55:30:00	4.72	2.865	30.123	30.240
56:00:00	4.65	2.820	29.726	29.841
56:30:00	4.58	2.775	29.335	29.449
57:00:00	4.51	2.731	28.949	29.061
57:30:00	4.44	2.688	28.568	28.679
58:00:00	4.38	2.645	28.192	28.301
58:30:00	4.31	2.602	27.820	27.928
59:00:00	4.25	2.560	27.453	27.559
59:30:00	4.18	2.517	27.088	27.194
60:00:00	4.12	2.474	26.727	26.832
60:30:00	4.06	2.432	26.370	26.473
61:00:00	3.99	2.389	26.015	26.117
61:30:00	3.93	2.346	25.664	25.764
62:00:00	3.86	2.304	25.315	25.414
62:30:00	3.80	2.261	24.970	25.067
63:00:00	3.73	2.218	24.627	24.724
63:30:00	3.67	2.176	24.287	24.383
64:00:00	3.61	2.133	23.951	24.045
64:30:00	3.54	2.090	23.617	23.710
65:00:00	3.48	2.048	23.286	23.378
65:30:00	3.41	2.005	22.958	23.048
66:00:00	3.35	1.962	22.632	22.721
66:30:00	3.28	1.920	22.306	22.395
67:00:00	3.22	1.877	21.981	22.068
67:30:00	3.16	1.835	21.655	21.741
68:00:00	3.09	1.792	21.330	21.414
68:30:00	3.03	1.749	21.004	21.087
69:00:00	2.96	1.707	20.679	20.761
69:30:00	2.90	1.664	20.353	20.434
70:00:00	2.84	1.621	20.028	20.107
70:30:00	2.77	1.579	19.702	19.780
71:00:00	2.71	1.536	19.376	19.454
71:30:00	2.64	1.493	19.051	19.127
72:00:00	2.58	1.451	18.725	18.800
72:30:00	2.51	1.408	18.400	18.473

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q10	342.03	92.90	93.49065	0.36	69.35	70.39344	1.46	441.43773	2.96	442.68559	1.93
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	14.15004255	2.440581489	2.383047422	0.009297064	1.336989226	1.134933647	0.028233734	16.25794031	0.109037553	16.55895704	0.072302879
73:30:00	13.93323072	2.376587115	2.323961975	0.009066552	1.295209481	1.09187906	0.027351455	15.98109127	0.107180802	16.28042347	0.071086692
74:00:00	13.7164189	2.312592742	2.264876529	0.00883604	1.253429737	1.048824474	0.026469175	15.70424222	0.105324051	16.0018899	0.069870506
74:30:00	13.49960708	2.248598368	2.205791082	0.008605528	1.211649993	1.005769888	0.025586896	15.42739318	0.103467301	15.72335634	0.068654319
75:00:00	13.28279526	2.184603994	2.146705635	0.008375016	1.169870248	0.962715302	0.024704616	15.15054414	0.10161055	15.44482277	0.067438133
75:30:00	13.06598344	2.120609621	2.087620188	0.008144504	1.128090504	0.919660715	0.023822337	14.87369509	0.099753799	15.1662892	0.066221946
76:00:00	12.84917162	2.056615247	2.028534741	0.007913992	1.08631076	0.876606129	0.022940057	14.59684605	0.097897049	14.88775563	0.06500576
76:30:00	12.63235979	1.992620874	1.969449294	0.00768348	1.044531015	0.833551543	0.022057778	14.319997	0.096040298	14.60922206	0.063789574
77:00:00	12.41554797	1.9286265	1.910363847	0.007452967	1.002751271	0.790496957	0.021175498	14.04314796	0.094183547	14.33068849	0.062573387
77:30:00	12.19873615	1.864632127	1.851278401	0.007222455	0.960971527	0.74744237	0.020293219	13.76629892	0.092326796	14.05215492	0.061357201
78:00:00	11.98192433	1.800637753	1.792192954	0.006991943	0.919191782	0.704387784	0.019410939	13.48944987	0.090470046	13.77362135	0.060141014
78:30:00	11.76511251	1.736643379	1.733107507	0.006761431	0.877412038	0.661333198	0.01852866	13.21260083	0.088613295	13.49508778	0.058924828
79:00:00	11.54830069	1.672649006	1.67402206	0.006530919	0.835632294	0.618278612	0.01764638	12.93575178	0.086756544	13.21655421	0.057708641
79:30:00	11.33148886	1.608654632	1.614936613	0.006300407	0.793852549	0.575224025	0.016764101	12.65890274	0.084899794	12.93802064	0.056492455
80:00:00	11.11467704	1.544660259	1.555851166	0.006069895	0.752072805	0.532169439	0.015881821	12.3820537	0.083043043	12.65948707	0.055276269

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	93.491	70.393	441.438	442.686
Sum Flow	102.550	70.815	442.656	444.353
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	2.45	1.365	18.074	18.146
73:30:00	2.39	1.323	17.749	17.820
74:00:00	2.32	1.280	17.423	17.493
74:30:00	2.26	1.237	17.098	17.166
75:00:00	2.19	1.195	16.772	16.839
75:30:00	2.13	1.152	16.446	16.513
76:00:00	2.06	1.109	16.121	16.186
76:30:00	2.00	1.067	15.795	15.859
77:00:00	1.94	1.024	15.470	15.532
77:30:00	1.87	0.981	15.144	15.206
78:00:00	1.81	0.939	14.819	14.879
78:30:00	1.74	0.896	14.493	14.552
79:00:00	1.68	0.853	14.168	14.225
79:30:00	1.61	0.811	13.842	13.898
80:00:00	1.55	0.768	13.516	13.572

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q12	352.40	96.09	96.69957	0.38	71.71	72.79116	1.51	454.82385	3.05	456.10955	1.99
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	17.57750161	4.31825784	3.964255728	0.015465886	2.662972041	2.64927414	0.056235042	21.94616169	0.147186896	22.12976745	0.096627214
00:30:00	17.57750161	4.482868262	4.102754189	0.016006214	2.74876548	2.742347867	0.058046776	22.20805791	0.148943362	22.38415971	0.09773799
01:00:00	17.57750161	5.203727913	4.713225533	0.018387867	3.13897781	3.159353104	0.066287046	23.75516711	0.1593194	23.90530983	0.104379926
01:30:00	17.57750161	6.716018206	5.971828935	0.023298099	3.944568873	4.019979449	0.083299033	27.06008217	0.18148456	27.15889768	0.118586362
02:00:00	17.57750161	9.345299575	8.105193157	0.031621066	5.31561301	5.4871499	0.112251919	32.75967818	0.219710189	32.77096998	0.143090864
02:30:00	17.73358993	13.10929744	11.0188909	0.042988374	7.357119389	7.622562522	0.155363223	41.72754529	0.279855217	41.60061508	0.181644545
03:00:00	18.78133277	18.22301648	14.80549545	0.057761183	10.03172658	10.40321656	0.211843969	54.99876035	0.368861622	54.71336839	0.238899951
03:30:00	21.04817273	25.26602056	19.79241631	0.077216827	13.55478915	14.0612246	0.286241885	72.88977964	0.488851788	72.46041631	0.316390499
04:00:00	24.97997358	35.07342587	26.44896436	0.103186244	18.24016277	18.92118698	0.385184788	96.84353669	0.649503076	96.22595803	0.420160143
04:30:00	31.18524158	48.56179542	35.50299563	0.138509044	24.52046568	25.44536897	0.517808447	129.0854314	0.865740633	128.2188235	0.559853498
05:00:00	40.4966967	65.09755801	47.5699618	0.18558631	32.84307781	34.09398506	0.693560365	171.8282003	1.152404677	170.6410794	0.745085648
05:30:00	53.45667341	82.13061538	62.01140648	0.241927209	42.86850913	44.47615168	0.905271394	224.2677422	1.504102322	222.7297347	0.972525076
06:00:00	70.82258991	96.31562403	76.66037976	0.299077746	53.34168186	55.22398382	1.126437557	282.1308302	1.892174205	280.2771544	1.223799603
06:30:00	94.20453533	104.3844945	88.69929453	0.346045574	62.65895397	64.577782	1.323194106	340.0696077	2.280753717	338.0889186	1.476228361
07:00:00	125.227584	105.697284	95.4943746	0.372555451	69.12807534	70.72640574	1.459805121	391.9649786	2.628801756	390.2263313	1.703880683
07:30:00	163.4693613	101.8309653	96.69957	0.377257321	71.71313	72.79116	1.51439475	430.9908934	2.890537878	430.0137204	1.877607975
08:00:00	206.076432	94.73738454	93.55849942	0.365002955	70.89026294	71.43851344	1.497017939	451.6532993	3.029114975	451.8110933	1.972783825
08:30:00	249.5651934	86.11326803	87.61493033	0.341815107	67.64002156	67.71947308	1.428381296	454.82385	3.05037899	456.10955	1.991552567
09:00:00	290.1106567	76.63989508	80.22765861	0.312994893	62.90858233	62.62535607	1.328465608	444.2648278	2.97956252	446.5375723	1.949757571
09:30:00	323.2376861	66.58124215	72.14961095	0.281479731	57.48743389	56.91554153	1.213985055	423.8859764	2.842887145	426.9606854	1.864277231
10:00:00	344.4557028	56.3869705	63.58155988	0.248052902	51.64638799	50.80348921	1.090637361	396.7285115	2.660749467	400.3819724	1.748224182
10:30:00	352.4014	46.50197192	54.70802142	0.213434264	45.48788567	44.39000146	0.960585813	365.7204076	2.452786607	369.6694056	1.614121111
11:00:00	349.2253238	37.90266194	45.99179179	0.179429341	39.23405687	37.92656322	0.828521217	333.3921067	2.235969547	337.5513444	1.473881102
11:30:00	337.720248	31.228291	37.93351066	0.147991295	33.09801267	31.66398246	0.698943926	300.670342	2.016513633	305.0458349	1.331949343
12:00:00	320.0549923	26.38820994	31.41397982	0.122556428	27.41595983	26.04943674	0.578953751	267.9810172	1.797275285	272.5769214	1.190177376
12:30:00	298.282642	23.00964292	26.55689511	0.103607318	22.71334692	21.40382024	0.4796468	235.8441452	1.581742086	240.5854629	1.050490164
13:00:00	274.6567649	20.62271104	23.040028	0.089886845	19.09335645	17.93155846	0.403202019	205.9435742	1.381207146	210.6874126	0.919943591
13:30:00	250.6334476	18.93534708	20.55321662	0.080184963	16.42049399	15.4151073	0.346758117	178.6446381	1.198120659	183.291757	0.800323451
14:00:00	226.6731563	17.76515115	18.75016925	0.073150673	14.42576962	13.61499071	0.304634727	154.1942256	1.034138439	158.5846459	0.692442547
14:30:00	202.9475962	16.97487697	17.44551186	0.068060769	12.96419835	12.29777266	0.273770144	133.1330609	0.892886975	137.0314239	0.598332756
15:00:00	180.2375076	16.46282986	16.52001518	0.064450097	11.89574824	11.3445567	0.251207257	116.1419918	0.778932529	119.3043822	0.520929563
15:30:00	159.1770315	16.15321796	15.88205484	0.061961201	11.12558904	10.66660621	0.234943498	103.1331303	0.691685658	105.6217806	0.461185977
16:00:00	139.7172044	15.91261871	15.46191069	0.060322078	10.58049398	10.19585622	0.223432509	93.23733195	0.625317249	95.18202958	0.415601943
16:30:00	121.9713178	15.67560313	15.19884409	0.059295767	10.2045637	9.880592747	0.215493839	85.78713575	0.575350823	87.30239313	0.381196371
17:00:00	106.2339194	15.44211786	14.96971195	0.058401846	9.955474032	9.681257719	0.210233713	80.22714033	0.538061457	81.40803377	0.355459294
17:30:00	92.97933521	15.2121103	14.74403413	0.057521402	9.789483609	9.523480606	0.206728427	76.11334235	0.51047134	77.03568486	0.33636791
18:00:00	82.48010111	14.98552867	14.52175853	0.05665423	9.634097188	9.368274814	0.20344707	73.0989853	0.490254873	73.82185432	0.322335069
18:30:00	74.39172918	14.76232194	14.30283389	0.055800132	9.481177184	9.215598437	0.200217798	70.91726592	0.475622679	71.4859944	0.312135792
19:00:00	68.25513907	14.54243982	14.08720967	0.05495891	9.330684447	9.065410253	0.197039783	69.3650012	0.465212065	69.81398885	0.304835162
19:30:00	63.63934552	14.32583281	13.87483612	0.05413037	9.182580449	8.917669711	0.193912211	68.28859576	0.457992908	68.64372431	0.29972533
20:00:00	60.19268984	14.11245212	13.66566423	0.053314321	9.036827276	8.772336923	0.190834284	67.42116282	0.452175273	67.7683607	0.29590315
20:30:00	57.63750294	13.9022497	13.45964575	0.052510574	8.893387611	8.629372647	0.187805211	66.56474842	0.446431536	66.91539729	0.292178779
21:00:00	55.75861229	13.69517821	13.25673312	0.051718944	8.752224735	8.488738285	0.184824218	65.71921258	0.440760759	66.07316966	0.288501284
21:30:00	54.39133854	13.49119101	13.05687952	0.050939248	8.613302507	8.350395865	0.181890542	64.88441712	0.435162014	65.2415427	0.284870075
22:00:00	53.4107475	13.29024216	12.86003885	0.050171307	8.476585362	8.214308036	0.179003432	64.06022562	0.429634388	64.42038296	0.281284571
22:30:00	52.70253366	13.09228641	12.66616567	0.049414943	8.342038301	8.080438052	0.176162148	63.24650337	0.424176976	63.60955872	0.277744195
23:00:00	52.04592017	12.89727917	12.47521525	0.048669981	8.209626876	7.948749771	0.173365963	62.4431174	0.418788886	62.80893988	0.274248381
23:30:00	51.39748734	12.70517653	12.28714354	0.047936251	8.07931719	7.819207637	0.170614161	61.6499364	0.413469238	62.01839799	0.270796566
24:00:00	50.75713324	12.51593522	12.10190711	0.047213582	7.951075883	7.691776672	0.167906039	60.86683075	0.408217163	61.23780623	0.267388197
24:30:00	50.12475722	12.32951263	11.91946325	0.046501807	7.824870123	7.566422472	0.165240901	60.09367247	0.403031802	60.46703934	0.264022727
25:00:00	49.50025989	12.14586677	11.73976984	0.045800763	7.7006676	7.443111191	0.162618067	59.33033519	0.397912308	59.70597368	0.260699617
25:30:00	48.88354308	11.96495628	11.56278542	0.045110288	7.578436518	7.321809535	0.160036865	58.57669417	0.392857844	58.95448714	0.257418333
26:00:00	48.27450986	11.78674042	11.38846916	0.044430222	7.458145585	7.202484752	0.157496633	57.83262625	0.387867584	58.21245915	0.254178349
26:30:00	47.67306449	11.61117906	11.21678082	0.043760408	7.339764004	7.085104626	0.154996722	57.09800981	0.382940713	57.47977066	0.250979145
27:00:00	47.07911246	11.43823265	11.04768079	0.043100693	7.223261469	6.969637464	0.152536492	56.37272481	0.378076425	56.75630412	0.247820207
27:30:00	46.49256038	11.26786224	10.88113005	0.042450923	7.108608154	6.85605209	0.150115312	55.65665271	0.373273926	56.04194346	0.244701029
28:00:00	45.91331608	11.10002947	10.71709017	0.041810948	6.995774708	6.744317837	0.147732563	54.94967649	0.36853243	55.33657407	0.241621111
28:30:00	45.3412885	10.93469654	10.55552329	0.041180622	6.884732243	6.634404535	0.145387635	54.2516806	0.363851163	54.64008278	0.238579958
29:00:00	44.77638774	10.77182621	10.39639214	0.040559798	6.775452332	6.52628251	0.143079928	53.56255097	0.359229359	53.95235784	0.235577082
29:30:00	44.21852499	10.61138181	10.23965998	0.039948334	6.667906998	6.419922567	0.14080885	52.88217499	0.354666264	53.27328892	0.232612001
30:00:00	43.66761257	10.4533272	10.08529067	0.039346087	6.562068708	6.315295991	0.13857382	52.21044145	0.350161131	52.60276708	0.229684241
30:30:00	43.1235639	10.29762678	9.933248565	0.03875292	6.457910368	6.212374532	0.136374267	51.54724057	0.345713224	51.94068472	0.226793331
31:00:00	42.58629345	10.14424549	9.783498592	0.038168696	6.355405311	6.111130402	0.134209627	50.89246398	0.341321817	51.28693564	0.223938807
31:30:00	42.05571679	9.993148793	9.636006195	0.037593279	6.254527295	6.011536264	0.132079346	50.24600465	0.336986191	50.64141494	0.221120211
32:00:00	41.5317505	9.84430265	9.490737339	0.037026536	6.155250495	5.91356523	0.129982878	49.60775695	0.332705639	50.00401906	0.218337091
32:30:00	41.01431223	9.697673543	9.347658502	0.036468338	6.057549495	5.817190846	0.127919687	48.97761657	0.32847946	49.37464573	0.215589001
33:00:00	40.50332065	9.55322845	9.206736668	0.035918555	5.961399282	5.722387091	0.125889245	48.35548051	0.324306964	48.75319398	0.2128755
33:30:00	39.99869545	9.410934841	9.06793932	0.03537706	5.866775241	5.62912837	0.123891031	47.74124711	0.320187468	48.1395641	0.210196152
34:00:00	39.5003573	9.270760669	8.931234429	0.034843729	5.773653148	5.537389502	0.121924535	47.13481598	0.316120301	47.53365765	0.207550528
34:30:00	39.00822788	9.132674366	8.79659045	0.034318437	5.682009162	5.447145718	0.119989252	46.53608802	0.312104797	46.93537741	0.204938203
35:00:00	38.52222983	8.996644834	8.663976314	0.033801065	5.591819823	5.358372653	0.118084688	45.94496537	0.308140299	46.3446274	0.202358757
35:30:00	38.04228676	8.862641437	8.53336142	0.033291493	5.503062039	5.271046337	0.116210355	45.36135144	0.30422616	45.76131284	0.199811778
36:00:00	37.56832323	8.730633996	8.404715627	0.032789603	5.415713089	5.185143193	0.114365772	44.78515083	0.30036174	45.18534014	0.197296856

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	96.700	72.791	454.824	456.110
Sum Flow	106.070	73.228	456.489	458.237
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
00:00:00	4.33	2.719	24.778	24.874
00:30:00	4.50	2.807	25.032	25.130
01:00:00	5.22	3.205	26.164	26.269
01:30:00	6.74	4.028	28.526	28.645
02:00:00	9.38	5.428	32.602	32.745
02:30:00	13.15	7.512	38.678	38.860
03:00:00	18.28	10.244	47.675	47.913
03:30:00	25.34	13.841	60.721	61.038
04:00:00	35.18	18.625	79.431	79.852
04:30:00	48.70	25.038	105.790	106.349
05:00:00	65.28	33.537	140.469	141.214
05:30:00	82.37	43.774	181.107	182.080
06:00:00	96.61	54.468	223.798	225.021
06:30:00	104.73	63.982	265.198	266.674
07:00:00	106.07	70.588	304.514	306.218
07:30:00	102.21	73.228	341.796	343.673
08:00:00	95.10	72.387	376.595	378.568
08:30:00	86.46	69.068	408.139	410.131
09:00:00	76.95	64.237	434.280	436.230
09:30:00	66.86	58.701	451.645	453.509
10:00:00	56.64	52.737	456.489	458.237
10:30:00	46.72	46.448	448.018	449.632
11:00:00	38.08	40.063	429.606	431.080
11:30:00	31.38	33.797	404.910	406.242
12:00:00	26.51	27.995	376.358	377.548
12:30:00	23.11	23.193	346.171	347.221
13:00:00	20.71	19.497	316.247	317.167
13:30:00	19.02	16.767	287.614	288.415
14:00:00	17.84	14.730	260.276	260.968
14:30:00	17.04	13.238	234.121	234.720
15:00:00	16.53	12.147	209.691	210.212
15:30:00	16.22	11.361	187.444	187.906
16:00:00	15.97	10.804	167.119	167.535
16:30:00	15.73	10.420	148.702	149.083
17:00:00	15.50	10.166	132.438	132.794
17:30:00	15.27	9.996	118.756	119.092
18:00:00	15.04	9.838	107.850	108.172
18:30:00	14.82	9.681	99.367	99.679
19:00:00	14.60	9.528	92.845	93.150
19:30:00	14.38	9.376	87.854	88.154
20:00:00	14.17	9.228	84.038	84.334
20:30:00	13.95	9.081	81.120	81.412
21:00:00	13.75	8.937	78.883	79.172
21:30:00	13.54	8.795	77.164	77.449
22:00:00	13.34	8.656	75.836	76.118
22:30:00	13.14	8.518	74.787	75.064
23:00:00	12.95	8.383	73.794	74.068
23:30:00	12.75	8.250	72.814	73.085
24:00:00	12.56	8.119	71.847	72.115
24:30:00	12.38	7.990	70.894	71.158
25:00:00	12.19	7.863	69.953	70.214
25:30:00	12.01	7.738	69.025	69.282
26:00:00	11.83	7.616	68.109	68.363
26:30:00	11.65	7.495	67.206	67.457
27:00:00	11.48	7.376	66.314	66.562
27:30:00	11.31	7.259	65.435	65.680
28:00:00	11.14	7.144	64.567	64.809
28:30:00	10.98	7.030	63.711	63.950
29:00:00	10.81	6.919	62.867	63.102
29:30:00	10.65	6.809	62.033	62.266
30:00:00	10.49	6.701	61.211	61.441
30:30:00	10.34	6.594	60.400	60.627
31:00:00	10.18	6.490	59.600	59.824
31:30:00	10.03	6.387	58.810	59.031
32:00:00	9.88	6.285	58.031	58.249
32:30:00	9.73	6.185	57.262	57.478
33:00:00	9.59	6.087	56.504	56.717
33:30:00	9.45	5.991	55.756	55.966
34:00:00	9.31	5.896	55.018	55.225
34:30:00	9.17	5.802	54.289	54.494
35:00:00	9.03	5.710	53.571	53.773
35:30:00	8.90	5.619	52.862	53.062
36:00:00	8.76	5.530	52.162	52.359

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q12	352.40	96.09	96.69957	0.38	71.71	72.79116	1.51	454.82385	3.05	456.10955	1.99
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	37.10026475	8.600592782	8.278009251	0.032295279	5.329750611	5.100640028	0.112550468	44.21626939	0.296546408	44.6166169	0.194813588
37:00:00	36.63803775	8.472488509	8.153213052	0.031808407	5.245152598	5.017514025	0.110763978	43.65461414	0.29277954	44.05505187	0.192361575
37:30:00	36.18156956	8.346292326	8.030298236	0.031328876	5.16189739	4.93574274	0.109005845	43.10009329	0.289060521	43.50055494	0.189940425
38:00:00	35.73078845	8.221975811	7.909236437	0.030856573	5.079963676	4.855304097	0.107275618	42.55261622	0.285388742	42.95303717	0.187549749
38:30:00	35.28562356	8.099510969	7.789999721	0.030391391	4.999330477	4.776176375	0.105572854	42.01209345	0.281763604	42.41241071	0.185189162
39:00:00	34.84600492	7.978870219	7.672560574	0.029933221	4.919977153	4.698338212	0.103897119	41.47843665	0.278184514	41.87858882	0.182858287
39:30:00	34.41186342	7.86002639	7.556891895	0.029481959	4.841883388	4.621768591	0.102247981	40.95155861	0.274650887	41.35148585	0.18055675
40:00:00	33.98313083	7.742952719	7.442966995	0.0290375	4.765029188	4.546446837	0.100625021	40.4313732	0.271162146	40.83101724	0.17828418
40:30:00	33.55973976	7.62762284	7.330759584	0.028599742	4.689394879	4.472352616	0.099027821	39.91779543	0.267717721	40.31709948	0.176040214
41:00:00	33.14162366	7.514010777	7.220243771	0.028168583	4.614961097	4.39946592	0.097455973	39.41074136	0.264317048	39.80965013	0.173824492
41:30:00	32.72871681	7.402090946	7.111394053	0.027743923	4.541708788	4.327767071	0.095909075	38.91012813	0.260959572	39.30858776	0.171636658
42:00:00	32.32095431	7.291838141	7.004185313	0.027325666	4.469619196	4.257236711	0.09438673	38.41587391	0.257644745	38.813832	0.169476361
42:30:00	31.91827206	7.183227531	6.898592812	0.026913715	4.398673868	4.187855796	0.092888549	37.92789793	0.254372023	38.32530345	0.167343254
43:00:00	31.52060678	7.076234657	6.794592185	0.026507974	4.32885464	4.119605594	0.091414149	37.44612045	0.251140874	37.84292375	0.165236996
43:30:00	31.12789595	6.970835422	6.692159433	0.026108349	4.260143638	4.052467677	0.089963151	36.97046272	0.247950768	37.3666155	0.163157248
44:00:00	30.74007785	6.867006089	6.591270918	0.025714749	4.192523272	3.986423918	0.088535185	36.50084702	0.244801184	36.89630228	0.161103677
44:30:00	30.35709152	6.764723276	6.491903362	0.025327083	4.125976229	3.921456486	0.087129885	36.03719659	0.241691607	36.43190864	0.159075953
45:00:00	29.97887677	6.663963947	6.394033834	0.024945262	4.060485474	3.857547838	0.08574689	35.57943565	0.23862153	35.97336006	0.15707375
45:30:00	29.60537414	6.564705409	6.297639751	0.024569196	3.996034239	3.794680721	0.084385848	35.12748941	0.23559045	35.52058299	0.155096749
46:00:00	29.23652493	6.46692531	6.202698869	0.0241988	3.932606026	3.732838161	0.083046409	34.681284	0.232597873	35.07350478	0.15314463
46:30:00	28.87227115	6.370601628	6.10918928	0.023833988	3.870184595	3.672003459	0.081728231	34.24074649	0.229643308	34.63205369	0.151217082
47:00:00	28.51255557	6.275712669	6.017089408	0.023474676	3.808753967	3.61216019	0.080430976	33.80580488	0.226726274	34.19615891	0.149313795
47:30:00	28.15732163	6.182237064	5.926377999	0.02312078	3.748298414	3.553292198	0.079154312	33.37638811	0.223846294	33.7657505	0.147434464
48:00:00	27.8065135	6.090153762	5.837034122	0.02277222	3.688802459	3.495383587	0.077897912	32.95242598	0.221002896	33.34075941	0.145578787
48:30:00	27.46007604	5.999442023	5.74903716	0.022428914	3.630250871	3.438418723	0.076661455	32.53384922	0.218195616	32.92111744	0.143746466
49:00:00	27.1179548	5.91008142	5.662366807	0.022090784	3.57262866	3.382382225	0.075444623	32.1205894	0.215423996	32.50675728	0.141937208
49:30:00	26.78009599	5.822051826	5.577003065	0.021757752	3.515921075	3.327258963	0.074247107	31.71257901	0.212687582	32.09761245	0.140150721
50:00:00	26.44644653	5.735333418	5.492926234	0.02142974	3.460113597	3.273034055	0.073068598	31.30975134	0.209985927	31.6936173	0.138386721
50:30:00	26.11695395	5.649906664	5.410116915	0.021106673	3.405191939	3.219692859	0.071908795	30.91204058	0.20731859	31.29470702	0.136644922
51:00:00	25.79156648	5.565752327	5.328555999	0.020788477	3.351142042	3.167220974	0.070767402	30.51938172	0.204685134	30.9008176	0.134925047
51:30:00	25.47023296	5.482851453	5.248224664	0.020475077	3.297950067	3.115604232	0.069644126	30.1317106	0.20208513	30.51188585	0.133226819
52:00:00	25.15290289	5.401185372	5.169104375	0.020166403	3.245602397	3.064828696	0.068538679	29.74896384	0.199518153	30.12784938	0.131549966
52:30:00	24.8395264	5.320735693	5.091176874	0.019862381	3.194085631	3.014880659	0.067450779	29.37107892	0.196983782	29.74864656	0.129894218
53:00:00	24.53005421	5.241484298	5.014424179	0.019562944	3.143386579	2.965746633	0.066380147	28.99799406	0.194481604	29.37421657	0.128259311
53:30:00	24.2244377	5.163413338	4.93882858	0.01926802	3.093492263	2.917413353	0.065326509	28.62964829	0.19201121	29.00449931	0.12664498
54:00:00	23.92262882	5.08650523	4.864372631	0.018977542	3.044389909	2.869867769	0.064289595	28.26598142	0.189572196	28.63943549	0.125050969
54:30:00	23.62458014	5.010742655	4.791039153	0.018691444	2.996066947	2.823097043	0.06326914	27.90693402	0.187164163	28.27896653	0.123477021
55:00:00	23.3302448	4.93610855	4.718811223	0.018409659	2.948511005	2.777088547	0.062264882	27.55244739	0.184786718	27.9230346	0.121922883
55:30:00	23.03957655	4.862586106	4.647672175	0.018132121	2.901709908	2.73182986	0.061276565	27.20246362	0.182439473	27.57158258	0.120388306
56:00:00	22.75252969	4.790158766	4.577605592	0.017858768	2.855651675	2.687308762	0.060303935	26.8569255	0.180122044	27.2245541	0.118873044
56:30:00	22.4690591	4.718810217	4.508595308	0.017589536	2.810324515	2.642787663	0.059346743	26.51577657	0.177834051	26.88189348	0.117376854
57:00:00	22.18912024	4.648524393	4.440625397	0.017324363	2.765716823	2.598266565	0.058404745	26.17896106	0.175575122	26.54354574	0.115899495
57:30:00	21.9126691	4.579285463	4.373680175	0.017063187	2.72181718	2.553745466	0.057477698	25.84642394	0.173344886	26.2094566	0.114440732
58:00:00	21.63966222	4.511077835	4.307744194	0.016805949	2.678614346	2.509224368	0.056565367	25.51811086	0.17114298	25.87957246	0.113000328
58:30:00	21.3700567	4.443886147	4.24280224	0.016552589	2.635411513	2.464703269	0.055653035	25.19396816	0.168969044	25.55384039	0.111578055
59:00:00	21.10381015	4.377695266	4.178839326	0.016303048	2.59220868	2.420182171	0.054740704	24.87394287	0.166822722	25.23220813	0.110173683
59:30:00	20.84088074	4.311504386	4.115840694	0.016057269	2.549005847	2.375661072	0.053828372	24.55798269	0.164703664	24.91462408	0.108786987
60:00:00	20.58122712	4.245313506	4.053791806	0.015815196	2.505803013	2.331139974	0.052916041	24.24603597	0.162611523	24.60103729	0.107417744
60:30:00	20.32480849	4.179122626	3.992678344	0.015576772	2.46260018	2.286618875	0.05200371	23.93805175	0.160545957	24.29139744	0.106065736
61:00:00	20.07158455	4.112931746	3.931564882	0.015338348	2.419397347	2.242097777	0.051091378	23.63397968	0.158506629	23.98565487	0.104730744
61:30:00	19.82151549	4.046740866	3.870451419	0.015099924	2.376194513	2.197576678	0.050179047	23.33377008	0.156493205	23.6837605	0.103412555
62:00:00	19.574562	3.980549986	3.809337957	0.0148615	2.33299168	2.15305558	0.049266715	23.03737387	0.154505357	23.38566592	0.102110958
62:30:00	19.33068527	3.914359105	3.748224495	0.014623076	2.289788847	2.108534481	0.048354384	22.74474263	0.152542759	23.09132329	0.100825743
63:00:00	19.08984697	3.848168225	3.687111033	0.014384652	2.246586013	2.064013382	0.047442052	22.45582852	0.150605091	22.80068539	0.099556704
63:30:00	18.85200924	3.781977345	3.625997571	0.014146228	2.20338318	2.019492284	0.046529721	22.17058433	0.148692037	22.5137056	0.098303638
64:00:00	18.61713469	3.715786465	3.564884108	0.013907804	2.160180347	1.974971185	0.045617389	21.88534014	0.146778982	22.2267258	0.097050572
64:30:00	18.38518642	3.649595585	3.503770646	0.01366938	2.116977513	1.930450087	0.044705058	21.60009595	0.144865927	21.939746	0.095797506
65:00:00	18.15612795	3.583404705	3.442657184	0.013430956	2.07377468	1.885928988	0.043792727	21.31485176	0.142952873	21.6527662	0.09454444
65:30:00	17.9299233	3.517213825	3.381543722	0.013192532	2.030571847	1.84140789	0.042880395	21.02960756	0.141039818	21.36578641	0.093291374
66:00:00	17.70653689	3.451022944	3.32043026	0.012954107	1.987369013	1.796886791	0.041968064	20.74436337	0.139126763	21.07880661	0.092038308
66:30:00	17.48315049	3.384832064	3.259316798	0.012715683	1.94416618	1.752365693	0.041055732	20.45911918	0.137213709	20.79182681	0.090785242
67:00:00	17.25976408	3.318641184	3.198203335	0.012477259	1.900963347	1.707844594	0.040143401	20.17387499	0.135300654	20.50484701	0.089532176
67:30:00	17.03637768	3.252450304	3.137089873	0.012238835	1.857760514	1.663323496	0.039231069	19.8886308	0.133387599	20.21786722	0.08827911
68:00:00	16.81299127	3.186259424	3.075976411	0.012000411	1.81455768	1.618802397	0.038318738	19.60338661	0.131474545	19.93088742	0.087026044
68:30:00	16.58960487	3.120068544	3.014862949	0.011761987	1.771354847	1.574281299	0.037406406	19.31814242	0.12956149	19.64390762	0.085772979
69:00:00	16.36621846	3.053877664	2.953749487	0.011523563	1.728152014	1.5297602	0.036494075	19.03289823	0.127648436	19.35692782	0.084519913
69:30:00	16.14283206	2.987686783	2.892636024	0.011285139	1.68494918	1.485239102	0.035581743	18.74765404	0.125735381	19.06994803	0.083266847
70:00:00	15.91944565	2.921495903	2.831522562	0.011046715	1.641746347	1.440718003	0.034669412	18.46240985	0.123822326	18.78296823	0.082013781
70:30:00	15.69605925	2.855305023	2.7704091	0.010808291	1.598543514	1.396196905	0.033757081	18.17716566	0.121909272	18.49598843	0.080760715
71:00:00	15.47267284	2.789114143	2.709295638	0.010569867	1.55534068	1.351675806	0.032844749	17.89192147	0.119996217	18.20900863	0.079507649
71:30:00	15.24928644	2.722923263	2.648182176	0.010331443	1.512137847	1.307154708	0.031932418	17.60667728	0.118083162	17.92202883	0.078254583
72:00:00	15.02590004	2.656732383	2.587068714	0.010093019	1.468935014	1.262633609	0.031020086	17.32143309	0.116170108	17.63504904	0.077001517
72:30:00	14.80251363	2.590541503	2.525955251	0.009854595	1.42573218	1.218112511	0.030107755	17.0361889	0.114257053	17.34806924	0.075748451

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	96.700	72.791	454.824	456.110
Sum Flow	106.070	73.228	456.489	458.237
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	8.63	5.442	51.472	51.667
37:00:00	8.50	5.356	50.791	50.983
37:30:00	8.38	5.271	50.119	50.309
38:00:00	8.25	5.187	49.456	49.644
38:30:00	8.13	5.105	48.802	48.987
39:00:00	8.01	5.024	48.157	48.340
39:30:00	7.89	4.944	47.520	47.701
40:00:00	7.77	4.866	46.892	47.070
40:30:00	7.66	4.788	46.272	46.448
41:00:00	7.54	4.712	45.661	45.834
41:30:00	7.43	4.638	45.057	45.229
42:00:00	7.32	4.564	44.462	44.631
42:30:00	7.21	4.492	43.874	44.042
43:00:00	7.10	4.420	43.295	43.460
43:30:00	7.00	4.350	42.723	42.886
44:00:00	6.89	4.281	42.159	42.320
44:30:00	6.79	4.213	41.602	41.761
45:00:00	6.69	4.146	41.053	41.210
45:30:00	6.59	4.080	40.511	40.666
46:00:00	6.49	4.016	39.976	40.129
46:30:00	6.39	3.952	39.448	39.599
47:00:00	6.30	3.889	38.928	39.077
47:30:00	6.21	3.827	38.414	38.561
48:00:00	6.11	3.767	37.907	38.053
48:30:00	6.02	3.707	37.407	37.551
49:00:00	5.93	3.648	36.914	37.056
49:30:00	5.84	3.590	36.427	36.567
50:00:00	5.76	3.533	35.946	36.085
50:30:00	5.67	3.477	35.472	35.609
51:00:00	5.59	3.422	35.005	35.140
51:30:00	5.50	3.368	34.543	34.676
52:00:00	5.42	3.314	34.088	34.219
52:30:00	5.34	3.262	33.639	33.769
53:00:00	5.26	3.210	33.195	33.324
53:30:00	5.18	3.159	32.758	32.885
54:00:00	5.11	3.109	32.326	32.451
54:30:00	5.03	3.059	31.901	32.024
55:00:00	4.95	3.011	31.480	31.602
55:30:00	4.88	2.963	31.066	31.186
56:00:00	4.81	2.916	30.657	30.775
56:30:00	4.74	2.870	30.253	30.370
57:00:00	4.67	2.824	29.855	29.971
57:30:00	4.60	2.779	29.462	29.576
58:00:00	4.53	2.735	29.074	29.187
58:30:00	4.46	2.691	28.691	28.802
59:00:00	4.39	2.647	28.312	28.422
59:30:00	4.33	2.603	27.936	28.045
60:00:00	4.26	2.559	27.564	27.671
60:30:00	4.19	2.515	27.195	27.301
61:00:00	4.13	2.470	26.829	26.934
61:30:00	4.06	2.426	26.466	26.570
62:00:00	4.00	2.382	26.107	26.209
62:30:00	3.93	2.338	25.750	25.851
63:00:00	3.86	2.294	25.397	25.497
63:30:00	3.80	2.250	25.047	25.145
64:00:00	3.73	2.206	24.699	24.796
64:30:00	3.66	2.162	24.355	24.451
65:00:00	3.60	2.118	24.013	24.108
65:30:00	3.53	2.073	23.675	23.768
66:00:00	3.46	2.029	23.339	23.431
66:30:00	3.40	1.985	23.003	23.094
67:00:00	3.33	1.941	22.667	22.757
67:30:00	3.26	1.897	22.331	22.420
68:00:00	3.20	1.853	21.996	22.083
68:30:00	3.13	1.809	21.660	21.746
69:00:00	3.07	1.765	21.324	21.408
69:30:00	3.00	1.721	20.988	21.071
70:00:00	2.93	1.676	20.652	20.734
70:30:00	2.87	1.632	20.316	20.397
71:00:00	2.80	1.588	19.981	20.060
71:30:00	2.73	1.544	19.645	19.723
72:00:00	2.67	1.500	19.309	19.386
72:30:00	2.60	1.456	18.973	19.049

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q12	352.40	96.09	96.69957	0.38	71.71	72.79116	1.51	454.82385	3.05	456.10955	1.99
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	14.57912723	2.524350622	2.464841789	0.009616171	1.382529347	1.173591412	0.029195423	16.7509447	0.112343998	17.06108944	0.074495385
73:30:00	14.35574082	2.458159742	2.403728327	0.009377747	1.339326514	1.129070314	0.028283092	16.46570051	0.110430944	16.77410964	0.073242319
74:00:00	14.13235442	2.391968862	2.342614865	0.009139323	1.29612368	1.084549215	0.02737076	16.18045632	0.108517889	16.48712985	0.071989253
74:30:00	13.90896801	2.325777982	2.281501403	0.008900899	1.252920847	1.040028117	0.026458429	15.89521213	0.106604834	16.20015005	0.070736187
75:00:00	13.68558161	2.259587102	2.22038794	0.008662475	1.209718014	0.995507018	0.025546097	15.60996794	0.10469178	15.91317025	0.069483121
75:30:00	13.4621952	2.193396222	2.159274478	0.008424051	1.166515181	0.95098592	0.024633766	15.32472375	0.102778725	15.62619045	0.068230055
76:00:00	13.2388088	2.127205342	2.098161016	0.008185627	1.123312347	0.906464821	0.023721435	15.03947956	0.10086567	15.33921066	0.066976989
76:30:00	13.01542239	2.061014461	2.037047554	0.007947203	1.080109514	0.861943723	0.022809103	14.75423537	0.098952616	15.05223086	0.065723923
77:00:00	12.79203599	1.994823581	1.975934092	0.007708779	1.036906681	0.817422624	0.021896772	14.46899118	0.097039561	14.76525106	0.064470857
77:30:00	12.56864958	1.928632701	1.91482063	0.007470355	0.993703847	0.772901526	0.02098444	14.18374699	0.095126506	14.47827126	0.063217791
78:00:00	12.34526318	1.862441821	1.853707167	0.007231931	0.950501014	0.728380427	0.020072109	13.8985028	0.093213452	14.19129147	0.061964725
78:30:00	12.12187677	1.796250941	1.792593705	0.006993507	0.907298181	0.683859329	0.019159777	13.61325861	0.091300397	13.90431167	0.060711659
79:00:00	11.89849037	1.730060061	1.731480243	0.006755083	0.864095347	0.63933823	0.018247446	13.32801442	0.089387342	13.61733187	0.059458593
79:30:00	11.67510396	1.663869181	1.670366781	0.006516659	0.820892514	0.594817132	0.017335114	13.04277023	0.087474288	13.33035207	0.058205527
80:00:00	11.45171756	1.5976783	1.609253319	0.006278235	0.777689681	0.550296033	0.016422783	12.75752604	0.085561233	13.04337228	0.056952461

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	96.700	72.791	454.824	456.110
Sum Flow	106.070	73.228	456.489	458.237
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	2.53	1.412	18.637	18.712
73:30:00	2.47	1.368	18.301	18.375
74:00:00	2.40	1.323	17.965	18.037
74:30:00	2.33	1.279	17.630	17.700
75:00:00	2.27	1.235	17.294	17.363
75:30:00	2.20	1.191	16.958	17.026
76:00:00	2.14	1.147	16.622	16.689
76:30:00	2.07	1.103	16.286	16.352
77:00:00	2.00	1.059	15.950	16.015
77:30:00	1.94	1.015	15.615	15.678
78:00:00	1.87	0.971	15.279	15.341
78:30:00	1.80	0.926	14.943	15.004
79:00:00	1.74	0.882	14.607	14.666
79:30:00	1.67	0.838	14.271	14.329
80:00:00	1.60	0.794	13.935	13.992

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q16	365.13	101.30	101.94492	0.40	76.79	77.94852	1.62	471.25227	3.16	472.58441	2.06
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	18.21240803	4.55249646	4.179291936	0.016304814	2.8516475	2.836979083	0.060219377	22.73886586	0.152503345	22.92910353	0.100117428
00:30:00	18.21240803	4.726035973	4.325303076	0.016874452	2.943519529	2.936647218	0.062159475	23.01022187	0.154323256	23.19268454	0.101268326
01:00:00	18.21240803	5.485997774	4.968888692	0.019385294	3.361378973	3.383197885	0.07098358	24.61321328	0.16507408	24.76877921	0.108150171
01:30:00	18.21240803	7.080320406	6.295763498	0.024561876	4.224047339	4.304800864	0.089200891	28.0375032	0.188039855	28.13988796	0.122869749
02:00:00	18.21240803	9.85222393	8.544849455	0.033336312	5.692231956	5.875922484	0.120205131	33.9429709	0.227646209	33.95467057	0.148259363
02:30:00	18.37413431	13.82039526	11.61659717	0.045320226	7.878382043	8.16263221	0.166370934	43.23476097	0.2899637	43.103246	0.188205619
03:00:00	19.45972204	19.21150174	15.60860145	0.060894368	10.74248906	11.14029964	0.226853423	56.98533764	0.382185052	56.68963722	0.247529113
03:30:00	21.80844117	26.63654497	20.86603175	0.081405359	14.51516576	15.05748289	0.306522541	75.52258773	0.506509311	75.07771563	0.327818651
04:00:00	25.88226026	36.97594099	27.88365611	0.108783456	19.53250494	20.26178071	0.412475692	100.3415641	0.672963388	99.70167825	0.435336496
04:30:00	32.31166502	51.19597067	37.42881224	0.146022298	26.25777649	27.24821053	0.554495932	133.748049	0.897011532	132.8501388	0.580075631
05:00:00	41.95945364	68.62869549	50.15033625	0.195653212	35.17005784	36.50959369	0.74270013	178.0347038	1.194029997	176.8047036	0.771998441
05:30:00	55.38754991	86.58569024	65.37513944	0.255050255	45.90580561	47.62735199	0.969411195	232.368383	1.558431101	230.7748221	1.007653072
06:00:00	73.38073028	101.5401474	80.81872837	0.315300853	57.12101793	59.13668373	1.206247303	292.321509	1.960520297	290.4008777	1.268003736
06:30:00	97.60724096	110.0467038	93.51067937	0.364816393	67.09843238	69.15321218	1.416944341	352.3530584	2.363135457	350.300826	1.529550322
07:00:00	129.7508546	111.430704	100.6743502	0.392764266	74.02590044	75.73747489	1.563234445	406.1229109	2.72375513	404.321463	1.765425538
07:30:00	169.3739402	107.3546616	101.94492	0.397721183	76.79411	77.94852	1.62169183	446.5584574	2.994945266	445.5459886	1.945427929
08:00:00	213.5199954	99.87629819	98.63346589	0.384802094	75.91294161	76.50003645	1.603083846	467.9671977	3.138527823	468.1306914	2.044041568
08:30:00	258.5795883	90.78437702	92.36749516	0.36035645	72.43241588	72.51749665	1.529584197	471.25227	3.160559903	472.58441	2.063488245
09:00:00	300.5895701	80.79713252	84.57950991	0.329972918	67.36574727	67.06245402	1.422589336	460.3118516	3.087185514	462.6666887	2.020183597
09:30:00	334.9131611	70.19286027	76.06327842	0.296748255	61.56050255	60.94809077	1.29999767	439.1969079	2.94557337	442.3826767	1.931615673
10:00:00	356.8975811	59.4456128	67.03046389	0.261508228	55.30561001	54.40299062	1.167910611	411.0585046	2.756856805	414.8439299	1.811370741
10:30:00	365.13028	49.02441456	57.67559119	0.225011745	48.7107688	47.53509789	1.02864472	378.9303755	2.541382243	383.0220129	1.672423813
11:00:00	361.8394827	39.95864551	48.48656033	0.189162267	42.01384711	40.61371562	0.887223156	345.4343634	2.316733664	349.7438345	1.527118279
11:30:00	349.9188389	32.92223149	39.99116758	0.156018902	35.4430552	33.90742186	0.748465124	311.5306755	2.089350915	316.0642128	1.380059888
12:00:00	331.615507	27.81960614	33.11799276	0.129204351	29.35842063	27.89507738	0.61997347	277.6605991	1.862193589	282.4225092	1.23316706
12:30:00	309.0567308	24.25777288	27.99744144	0.10922737	24.32262072	22.92031216	0.513630477	244.3629303	1.638875245	249.2755064	1.088434291
13:00:00	284.5774775	21.7413648	24.28980616	0.094762647	20.44614864	19.20203556	0.43176947	213.3823388	1.431096903	218.2975265	0.953172323
13:30:00	259.6864283	19.96247184	21.66810073	0.084534498	17.58390997	16.50729016	0.371326436	185.0973541	1.241397258	189.9123288	0.829231455
14:00:00	234.8606817	18.72880006	19.76724926	0.077118642	15.44785646	14.57963268	0.326218542	159.7637829	1.071491934	164.3127869	0.71745385
14:30:00	210.2781449	17.89565843	18.39182233	0.071752642	13.88273074	13.16908782	0.293167159	137.9418804	0.925138411	141.981054	0.619944775
15:00:00	186.7477588	17.35583594	17.41612321	0.067946114	12.73857938	12.14833511	0.269005658	120.3370871	0.807067884	123.6137044	0.539745748
15:30:00	164.9265697	17.02942953	16.74355749	0.06532221	11.91385328	11.42235084	0.251589588	106.8583404	0.716669621	109.4368817	0.477844199
16:00:00	144.7638459	16.77577926	16.30062314	0.063594175	11.33013743	10.91824752	0.239263028	96.60510179	0.647903959	98.62004269	0.430613652
16:30:00	126.3769707	16.52590706	16.02328681	0.062512194	10.92757194	10.58064717	0.230761892	88.88580152	0.596132726	90.4557906	0.394965337
17:00:00	110.0711312	16.27975667	15.78172568	0.061569783	10.66083391	10.36718897	0.225129079	83.12497683	0.557496452	84.34852462	0.368298626
17:30:00	96.33778611	16.03727264	15.54380624	0.06064158	10.48308282	10.19823312	0.221375438	78.86258683	0.52890977	79.81824471	0.348517654
18:00:00	85.45931546	15.79840036	15.30947358	0.05972737	10.31668705	10.03203077	0.217861592	75.73934999	0.507963076	76.48832932	0.333977941
18:30:00	77.0787883	15.56308605	15.07867363	0.058826942	10.15293244	9.868537046	0.214403521	73.47882603	0.492802361	74.06809721	0.323410262
19:00:00	70.72054208	15.3312767	14.85135314	0.057940089	9.991777068	9.70770781	0.211000339	71.87049289	0.482015711	72.33569815	0.315845931
19:30:00	65.93802422	15.1029201	14.62745965	0.057066606	9.833179686	9.549499635	0.207651175	70.75520724	0.474535796	71.12316319	0.310551529
20:00:00	62.36687396	14.87796484	14.40694149	0.056206291	9.677099687	9.393869806	0.204355171	69.85644228	0.468508025	70.21618109	0.306591291
20:30:00	59.71939268	14.65636025	14.18974778	0.055358946	9.523497113	9.240776303	0.201111484	68.96909384	0.462556822	69.3324083	0.302732393
21:00:00	57.77263574	14.43805641	13.9758284	0.054524375	9.37233264	9.090177791	0.197919284	68.09301691	0.456681214	68.45975907	0.298922066
21:30:00	56.35597552	14.22300418	13.765134	0.053702385	9.22356757	8.942033608	0.194777753	67.22806831	0.450880241	67.5980934	0.295159697
22:00:00	55.33996514	14.0111551	13.55761594	0.052892788	9.077163816	8.796303757	0.191686086	66.37410668	0.445152954	66.74727305	0.291444682
22:30:00	54.60617033	13.80246148	13.35322635	0.052095396	8.933083898	8.65294889	0.188643493	65.53099246	0.439498418	65.90716151	0.287776427
23:00:00	53.9258397	13.59687631	13.15191806	0.051310025	8.791290931	8.511930302	0.185649195	64.69858786	0.433915708	65.077624	0.284154342
23:30:00	53.25398521	13.3943533	12.95364462	0.050536494	8.651748613	8.373209918	0.182702424	63.87675685	0.428403913	64.25852742	0.280577846
24:00:00	52.59050126	13.19484683	12.75836028	0.049774625	8.514421222	8.236750284	0.179802427	63.06536511	0.422962131	63.44974037	0.277046366
24:30:00	51.93528357	12.99831198	12.56601997	0.049024241	8.379273599	8.102514555	0.17694846	62.26428003	0.417589473	62.65113307	0.273559334
25:00:00	51.28822914	12.80470447	12.37657931	0.04828517	8.246271147	7.97046649	0.174139795	61.47337071	0.41228506	61.86257741	0.270116192
25:30:00	50.64923627	12.61398072	12.18999459	0.04755724	8.115379814	7.840570434	0.17137571	60.69250788	0.407048027	61.08394688	0.266716387
26:00:00	50.01820453	12.42609775	12.00622275	0.046840285	7.986566092	7.712791317	0.1686555	59.92156392	0.401877517	60.31511654	0.263359373
26:30:00	49.39503472	12.24101328	11.82522139	0.046134138	7.859797003	7.587094637	0.165978466	59.16041284	0.396772685	59.55596304	0.260044612
27:00:00	48.77962889	12.0586856	11.64694874	0.045438637	7.735040094	7.463446458	0.163343925	58.40893026	0.391732698	58.8063646	0.256771572
27:30:00	48.17189032	11.87907366	11.47136365	0.044753621	7.612263424	7.341813395	0.160751201	57.66699335	0.38675673	58.06620095	0.253539729
28:00:00	47.57172348	11.70213701	11.29842563	0.044078932	7.491435564	7.222162606	0.158199631	56.93448086	0.381843969	57.33535333	0.250348562
28:30:00	46.97903404	11.52783579	11.12809475	0.043414414	7.372525578	7.104461787	0.155688561	56.21127308	0.376993613	56.61370449	0.247197561
29:00:00	46.39372883	11.35613076	10.96033172	0.042759915	7.255503025	6.988679158	0.153217349	55.49725181	0.372204868	55.90113866	0.24408622
29:30:00	45.81571586	11.18698325	10.79509783	0.042115282	7.140337947	6.874783458	0.150785362	54.79230037	0.367476952	55.1975415	0.24101404
30:00:00	45.24490427	11.02035516	10.63235493	0.041480368	7.027000861	6.762743936	0.148391978	54.09630354	0.362809091	54.50280013	0.237980528
30:30:00	44.68120434	10.85620896	10.47206549	0.040855025	6.915462749	6.652530341	0.146036583	53.40914759	0.358200525	53.8168031	0.234985197
31:00:00	44.12452747	10.69450769	10.31419252	0.04023911	6.805695059	6.544112916	0.143718575	52.7307202	0.353650498	53.13944034	0.232027566
31:30:00	43.57478615	10.53521494	10.15869958	0.03963248	6.697669689	6.437462389	0.14143736	52.06091051	0.349158268	52.47060317	0.229107162
32:00:00	43.03189399	10.37829482	10.00555079	0.039034996	6.591358983	6.332549963	0.139192355	51.39960904	0.3447231	51.81018429	0.226223515
32:30:00	42.49576565	10.22371199	9.854710813	0.038446518	6.486735724	6.229347313	0.136982984	50.74670773	0.34034427	51.15807775	0.223376163
33:00:00	41.96631685	10.07143165	9.706144847	0.037866913	6.383773128	6.127826574	0.134808682	50.10209987	0.336021061	50.51417891	0.220564649
33:30:00	41.44346438	9.921419501	9.559818606	0.037296045	6.282444836	6.027960337	0.132668892	49.46568011	0.331752768	49.87838448	0.217788522
34:00:00	40.92712606	9.773641752	9.415698326	0.036733784	6.182724906	5.929721636	0.130563066	48.83734445	0.327538693	49.25059244	0.215047336
34:30:00	40.41722073	9.628065127	9.273750749	0.036179999	6.08458781	5.833083948	0.128490666	48.2169902	0.323378147	48.63070208	0.212340653
35:00:00	39.91366823	9.484656838	9.133943121	0.035634563	5.988008424	5.738021181	0.126451161	47.60451596	0.31927045	48.01861395	0.209668037
35:30:00	39.41638943	9.343384591	8.996243181	0.035097349	5.892962022	5.644507669	0.124444028	46.99982166	0.315214931	47.41422983	0.207029059
36:00:00	38.92530615	9.204216568	8.860619155	0.034568235	5.799424272	5.552518162	0.122468754	46.40280846	0.311210927	46.81745277	0.204423297

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	101.945	77.949	471.252	472.584
Sum Flow	111.823	78.416	475.835	477.646
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
00:00:00	4.57	2.912	25.846	25.946
00:30:00	4.74	3.006	26.115	26.217
01:00:00	5.51	3.432	27.315	27.423
01:30:00	7.10	4.313	29.819	29.941
02:00:00	9.89	5.812	34.138	34.286
02:30:00	13.87	8.045	40.575	40.763
03:00:00	19.27	10.969	50.084	50.331
03:30:00	26.72	14.822	63.855	64.182
04:00:00	37.08	19.945	83.585	84.020
04:30:00	51.34	26.812	111.363	111.943
05:00:00	68.82	35.913	147.891	148.663
05:30:00	86.84	46.875	190.662	191.670
06:00:00	101.86	58.327	235.524	236.792
06:30:00	110.41	68.515	278.897	280.427
07:00:00	111.82	75.589	319.887	321.653
07:30:00	107.75	78.416	358.537	360.482
08:00:00	100.26	77.516	394.436	396.480
08:30:00	91.14	73.962	426.847	428.910
09:00:00	81.13	68.788	453.592	455.612
09:30:00	70.49	62.861	471.209	473.140
10:00:00	59.71	56.474	475.835	477.646
10:30:00	49.25	49.739	466.661	468.333
11:00:00	40.15	42.901	447.205	448.732
11:30:00	33.08	36.192	421.278	422.658
12:00:00	27.95	29.978	391.405	392.638
12:30:00	24.37	24.836	359.899	360.987
13:00:00	21.84	20.878	328.723	329.676
13:30:00	20.05	17.955	298.930	299.759
14:00:00	18.81	15.774	270.512	271.230
14:30:00	17.97	14.176	243.347	243.967
15:00:00	17.42	13.008	217.986	218.526
15:30:00	17.09	12.165	194.903	195.381
16:00:00	16.84	11.569	173.821	174.251
16:30:00	16.59	11.158	154.720	155.115
17:00:00	16.34	10.886	137.856	138.224
17:30:00	16.10	10.704	123.669	124.018
18:00:00	15.86	10.535	112.360	112.694
18:30:00	15.62	10.367	103.561	103.884
19:00:00	15.39	10.203	96.795	97.110
19:30:00	15.16	10.041	91.613	91.924
20:00:00	14.93	9.881	87.651	87.958
20:30:00	14.71	9.725	84.618	84.921
21:00:00	14.49	9.570	82.292	82.591
21:30:00	14.28	9.418	80.502	80.797
22:00:00	14.06	9.269	79.118	79.409
22:30:00	13.85	9.122	78.022	78.310
23:00:00	13.65	8.977	76.985	77.269
23:30:00	13.44	8.834	75.962	76.242
24:00:00	13.24	8.694	74.952	75.229
24:30:00	13.05	8.556	73.956	74.230
25:00:00	12.85	8.420	72.974	73.244
25:30:00	12.66	8.287	72.005	72.271
26:00:00	12.47	8.155	71.048	71.312
26:30:00	12.29	8.026	70.105	70.365
27:00:00	12.10	7.898	69.174	69.431
27:30:00	11.92	7.773	68.255	68.509
28:00:00	11.75	7.650	67.349	67.600
28:30:00	11.57	7.528	66.455	66.703
29:00:00	11.40	7.409	65.574	65.818
29:30:00	11.23	7.291	64.703	64.944
30:00:00	11.06	7.175	63.845	64.083
30:30:00	10.90	7.061	62.998	63.233
31:00:00	10.73	6.949	62.162	62.394
31:30:00	10.57	6.839	61.338	61.567
32:00:00	10.42	6.731	60.524	60.751
32:30:00	10.26	6.624	59.722	59.945
33:00:00	10.11	6.519	58.930	59.151
33:30:00	9.96	6.415	58.149	58.367
34:00:00	9.81	6.313	57.378	57.593
34:30:00	9.66	6.213	56.618	56.830
35:00:00	9.52	6.114	55.868	56.077
35:30:00	9.38	6.017	55.127	55.335
36:00:00	9.24	5.922	54.397	54.602

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q16	365.13	101.30	101.94492	0.40	76.79	77.94852	1.62	471.25227	3.16	472.58441	2.06
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	38.44034121	9.067121427	8.727039746	0.034047097	5.707371226	5.462027823	0.120524833	45.81337879	0.307257784	46.22818701	0.201850333
37:00:00	37.96141838	8.932068294	8.595474131	0.033533816	5.61677932	5.373012222	0.118611768	45.23143632	0.303354855	45.64633802	0.199309753
37:30:00	37.48846238	8.799026753	8.46589195	0.033028272	5.52762536	5.285447322	0.116729068	44.65688596	0.299501503	45.07181245	0.19680115
38:00:00	37.02139887	8.667966841	8.338263302	0.03253035	5.439886521	5.199309483	0.114876252	44.0896338	0.295697098	44.50451811	0.194324121
38:30:00	36.56015445	8.538859044	8.212558736	0.032039935	5.353540343	5.114575447	0.113052845	43.52958713	0.291941019	43.94436401	0.191878269
39:00:00	36.1046566	8.411674283	8.088749245	0.031556912	5.26856472	5.031222336	0.111258381	42.97665443	0.28823265	43.39126025	0.189463202
39:30:00	35.65483374	8.286383916	7.966806261	0.031081172	5.184937897	4.949227645	0.1094924	42.43074534	0.284571388	42.84511811	0.187078532
40:00:00	35.21061515	8.162959727	7.846701644	0.030612604	5.102638465	4.868569236	0.10775445	41.89177063	0.280956632	42.30584997	0.184723876
40:30:00	34.77193103	8.041373919	7.728407679	0.0301511	5.021645355	4.78922533	0.106044087	41.35964223	0.277387792	41.7733693	0.182398858
41:00:00	34.3387124	7.921599109	7.611897071	0.029696553	4.941937831	4.711174506	0.104360871	40.83427316	0.273864286	41.24759067	0.180103103
41:30:00	33.91089119	7.803608324	7.497142933	0.029248859	4.863495489	4.634395689	0.102704373	40.31557757	0.270385537	40.72842973	0.177836243
42:00:00	33.48840015	7.68737499	7.384118786	0.028807914	4.786298245	4.55886815	0.101074168	39.80347069	0.266950976	40.21580319	0.175597915
42:30:00	33.07117286	7.57287293	7.272798549	0.028373616	4.710326336	4.484571496	0.099469839	39.29786882	0.263560043	39.7096288	0.17338776
43:00:00	32.65914374	7.460076358	7.163156534	0.027945866	4.635560314	4.411485667	0.097890975	38.79868935	0.260212183	39.20982535	0.171205423
43:30:00	32.25224804	7.34895987	7.055167443	0.027524565	4.561981037	4.339590931	0.096337172	38.30585067	0.256906849	38.71631265	0.169050553
44:00:00	31.8504218	7.239498443	6.948806354	0.027109615	4.489569669	4.268867875	0.094808032	37.81927226	0.253643501	38.22901153	0.166922806
44:30:00	31.45360185	7.131667423	6.844048726	0.02670092	4.418307671	4.199297405	0.093303164	37.33887459	0.250421605	37.7478438	0.16482184
45:00:00	31.06172583	7.025442527	6.740870385	0.026298387	4.3481768	4.130860737	0.091822183	36.86457915	0.247240636	37.27273227	0.162747317
45:30:00	30.67473213	6.920799832	6.639247523	0.025901922	4.279159101	4.0635393	0.090364708	36.39630843	0.244100072	36.80360071	0.160698905
46:00:00	30.29255994	6.81771577	6.539156689	0.025511434	4.211236906	3.997315196	0.088930368	35.93398589	0.240999401	36.34037385	0.158676276
46:30:00	29.91514917	6.716167128	6.440574787	0.025126833	4.144392826	3.932170267	0.087518795	35.47753599	0.237938117	35.88297737	0.156679104
47:00:00	29.54244052	6.616131033	6.34347907	0.024748031	4.078609748	3.868087015	0.086129628	35.02688412	0.234915718	35.4313379	0.15470707
47:30:00	29.17437539	6.517584959	6.247847131	0.024374938	4.013870831	3.80504814	0.08476251	34.58195664	0.231931712	34.98538296	0.152759856
48:00:00	28.81089593	6.42050671	6.153656905	0.024007471	3.950159501	3.743036619	0.083417093	34.14268084	0.228985609	34.54504102	0.150837151
48:30:00	28.45194501	6.324874424	6.060886655	0.023645543	3.887459447	3.682035711	0.082093031	33.70898491	0.226076929	34.11024142	0.148938646
49:00:00	28.09746621	6.230666564	5.969514975	0.023289072	3.825754619	3.622028945	0.080789985	33.28079799	0.223205197	33.6809144	0.147064037
49:30:00	27.74740381	6.137861913	5.87952078	0.022937974	3.765029218	3.56300012	0.079507623	32.85805009	0.220369942	33.25699109	0.145213022
50:00:00	27.40170279	6.04643957	5.790883305	0.02259217	3.705267699	3.504933298	0.078245615	32.44067213	0.217570703	32.83840348	0.143385305
50:30:00	27.06030881	5.956378946	5.703582096	0.022251579	3.646454762	3.4478128	0.077003639	32.02859589	0.21480702	32.42508439	0.141580592
51:00:00	26.72316821	5.86765976	5.617597007	0.021916122	3.58857535	3.391623205	0.075781376	31.62175404	0.212078443	32.01696753	0.139798594
51:30:00	26.390228	5.780262029	5.532908197	0.021585723	3.531614646	3.336349342	0.074578514	31.22008008	0.209384526	31.61398742	0.138039025
52:00:00	26.06143584	5.694166072	5.449496125	0.021260305	3.475558067	3.281976286	0.073394745	30.82350836	0.206724828	31.21607939	0.136301603
52:30:00	25.73674006	5.609352499	5.367341542	0.020939792	3.420391263	3.228489357	0.072229766	30.43197408	0.204098915	30.82317962	0.13458605
53:00:00	25.41608962	5.525802208	5.286425491	0.020624112	3.36610011	3.175874114	0.071083278	30.04541324	0.201506357	30.43522506	0.132892088
53:30:00	25.09943411	5.443496384	5.2067293	0.02031319	3.312670708	3.12411635	0.069954988	29.66376268	0.198946732	30.05215347	0.131219448
54:00:00	24.78672378	5.36241649	5.12823458	0.020006956	3.260089381	3.073202092	0.068844607	29.28696002	0.196419619	29.6739034	0.12956786
54:30:00	24.47790945	5.282544267	5.050923217	0.019705338	3.208342666	3.023117591	0.067751851	28.91494367	0.193924608	29.30041415	0.12793706
55:00:00	24.17294261	5.203861726	4.974777371	0.019408268	3.157417316	2.973849327	0.06667644	28.54765285	0.191461289	28.93162581	0.126326786
55:30:00	23.8717753	5.126351147	4.899779472	0.019115676	3.107300293	2.925383996	0.065618099	28.18502753	0.18902926	28.56747921	0.12473678
56:00:00	23.57436019	5.049995074	4.825912214	0.018827495	3.057978767	2.877708512	0.064576556	27.82700843	0.186628124	28.20791592	0.123166786
56:30:00	23.28065054	4.974776311	4.75315855	0.018543659	3.009440111	2.830033029	0.063551546	27.47353706	0.184257488	27.85287826	0.121616553
57:00:00	22.99060017	4.900677918	4.681501694	0.018264102	2.961671899	2.782357546	0.062542806	27.12455564	0.181916966	27.50230927	0.120085832
57:30:00	22.7041635	4.827683207	4.610925111	0.017988759	2.914661902	2.734682062	0.061550077	26.78000715	0.179606173	27.15615269	0.118574377
58:00:00	22.42129551	4.755775739	4.541412513	0.017717567	2.868398085	2.687006579	0.060573106	26.43983527	0.177324734	26.814353	0.117081946
58:30:00	22.14195172	4.6849332	4.472947862	0.017450464	2.822134268	2.639331096	0.059596134	26.1039844	0.175072274	26.47685536	0.115608299
59:00:00	21.86608825	4.615157996	4.405515359	0.017187387	2.775870451	2.591655612	0.058619163	25.77239967	0.172848426	26.14360561	0.1141532
59:30:00	21.59366171	4.545376673	4.339099443	0.016928276	2.729606634	2.543980129	0.057642191	25.44502688	0.170652826	25.8145503	0.112716416
60:00:00	21.3246293	4.475595349	4.273684788	0.016673072	2.683342817	2.496304645	0.05666522	25.12181252	0.168485116	25.48963663	0.111297716
60:30:00	21.05894873	4.405814026	4.209256301	0.016421715	2.637078999	2.448629162	0.055688248	24.80270379	0.166344941	25.16881247	0.109896873
61:00:00	20.79657824	4.336032702	4.144827814	0.016170358	2.590815182	2.400953679	0.054711277	24.48764851	0.164231952	24.85202635	0.10851366
61:30:00	20.53747658	4.266251379	4.080399327	0.015919001	2.544551365	2.353278195	0.053734305	24.17659522	0.162145802	24.53922744	0.107147858
62:00:00	20.28160303	4.196470055	4.015970839	0.015667644	2.498287548	2.305602712	0.052757334	23.86949306	0.160086152	24.23036556	0.105799247
62:30:00	20.02891738	4.126688731	3.951542352	0.015416287	2.452023731	2.257927229	0.051780362	23.56629186	0.158052665	23.92539116	0.104467609
63:00:00	19.7793799	4.056907408	3.887113865	0.01516493	2.405759914	2.210251745	0.050803391	23.26694206	0.156045008	23.6242553	0.103152732
63:30:00	19.53295138	3.987126084	3.822685378	0.014913572	2.359496096	2.162576262	0.04982642	22.97139473	0.154062853	23.32690968	0.101854405
64:00:00	19.28959307	3.917344761	3.75825689	0.014662215	2.313232279	2.114900778	0.048849448	22.67584741	0.152080698	23.02956405	0.100556078
64:30:00	19.04926673	3.847563437	3.693828403	0.014410858	2.266968462	2.067225295	0.047872477	22.38030008	0.150098543	22.73221843	0.099257751
65:00:00	18.81193458	3.777782114	3.629399916	0.014159501	2.220704645	2.019549812	0.046895505	22.08475275	0.148116388	22.43487281	0.097959423
65:30:00	18.57755932	3.70800079	3.564971429	0.013908144	2.174440828	1.971874328	0.045918534	21.78920543	0.146134233	22.13752719	0.096661096
66:00:00	18.34610411	3.638219467	3.500542941	0.013656787	2.128177011	1.924198845	0.044941562	21.4936581	0.144152078	21.84018156	0.095362769
66:30:00	18.1146489	3.568438143	3.436114454	0.01340543	2.081913194	1.876523362	0.043964591	21.19811078	0.142169923	21.54283594	0.094064442
67:00:00	17.88319369	3.49865682	3.371685967	0.013154073	2.035649376	1.828847878	0.042987619	20.90256345	0.140187768	21.24549032	0.092766115
67:30:00	17.65173848	3.428875496	3.30725748	0.012902716	1.989385559	1.781172395	0.042010648	20.60701613	0.138205613	20.94814469	0.091467787
68:00:00	17.42028327	3.359094172	3.242828992	0.012651359	1.943121742	1.733496912	0.041033676	20.3114688	0.136223458	20.65079907	0.09016946
68:30:00	17.18882805	3.289312849	3.178400505	0.012400002	1.896857925	1.685821428	0.040056705	20.01592148	0.134241303	20.35345345	0.088871133
69:00:00	16.95737284	3.219531525	3.113972018	0.012148645	1.850594108	1.638145945	0.039079733	19.72037415	0.132259148	20.05610782	0.087572806
69:30:00	16.72591763	3.149750202	3.049543531	0.011897288	1.804330291	1.590470461	0.038102762	19.42482683	0.130276993	19.7587622	0.086274479
70:00:00	16.49446242	3.079968878	2.985115043	0.011645931	1.758066474	1.542794978	0.03712579	19.1292795	0.128294838	19.46141658	0.084976151
70:30:00	16.26300721	3.010187555	2.920686556	0.011394574	1.711802656	1.495119495	0.036148819	18.83373218	0.126312683	19.16407096	0.083677824
71:00:00	16.031552	2.940406231	2.856258069	0.011143217	1.665538839	1.447444011	0.035171848	18.53818485	0.124330528	18.86672533	0.082379497
71:30:00	15.80009679	2.870624908	2.791829582	0.01089186	1.619275022	1.399768528	0.034194876	18.24263753	0.122348373	18.56937971	0.08108117
72:00:00	15.56864158	2.800843584	2.727401094	0.010640503	1.573011205	1.352093045	0.033217905	17.9470902	0.120366218	18.27203409	0.079782842
72:30:00	15.33718636	2.731062261	2.662972607	0.010389146	1.526747388	1.304417561	0.032240933	17.65154288	0.118384063	17.97468846	0.078484515

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	101.945	77.949	471.252	472.584
Sum Flow	111.823	78.416	475.835	477.646
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	9.10	5.828	53.677	53.879
37:00:00	8.97	5.735	52.966	53.165
37:30:00	8.83	5.644	52.264	52.461
38:00:00	8.70	5.555	51.572	51.767
38:30:00	8.57	5.467	50.890	51.081
39:00:00	8.44	5.380	50.216	50.405
39:30:00	8.32	5.294	49.551	49.738
40:00:00	8.19	5.210	48.896	49.080
40:30:00	8.07	5.128	48.249	48.431
41:00:00	7.95	5.046	47.610	47.790
41:30:00	7.83	4.966	46.980	47.158
42:00:00	7.72	4.887	46.359	46.535
42:30:00	7.60	4.810	45.746	45.919
43:00:00	7.49	4.733	45.141	45.312
43:30:00	7.38	4.658	44.544	44.713
44:00:00	7.27	4.584	43.955	44.122
44:30:00	7.16	4.512	43.374	43.539
45:00:00	7.05	4.440	42.801	42.963
45:30:00	6.95	4.370	42.235	42.396
46:00:00	6.84	4.300	41.677	41.836
46:30:00	6.74	4.232	41.126	41.283
47:00:00	6.64	4.165	40.583	40.738
47:30:00	6.54	4.099	40.047	40.200
48:00:00	6.44	4.034	39.518	39.669
48:30:00	6.35	3.970	38.996	39.145
49:00:00	6.25	3.907	38.481	38.628
49:30:00	6.16	3.845	37.973	38.118
50:00:00	6.07	3.784	37.472	37.615
50:30:00	5.98	3.723	36.977	37.119
51:00:00	5.89	3.664	36.489	36.629
51:30:00	5.80	3.606	36.008	36.146
52:00:00	5.72	3.549	35.533	35.669
52:30:00	5.63	3.493	35.064	35.198
53:00:00	5.55	3.437	34.601	34.734
53:30:00	5.46	3.383	34.145	34.276
54:00:00	5.38	3.329	33.695	33.824
54:30:00	5.30	3.276	33.250	33.378
55:00:00	5.22	3.224	32.812	32.938
55:30:00	5.15	3.173	32.379	32.504
56:00:00	5.07	3.123	31.952	32.076
56:30:00	4.99	3.073	31.531	31.653
57:00:00	4.92	3.024	31.116	31.236
57:30:00	4.85	2.976	30.706	30.824
58:00:00	4.77	2.929	30.301	30.418
58:30:00	4.70	2.882	29.901	30.017
59:00:00	4.63	2.834	29.506	29.620
59:30:00	4.56	2.787	29.114	29.227
60:00:00	4.49	2.740	28.725	28.837
60:30:00	4.42	2.693	28.340	28.450
61:00:00	4.35	2.646	27.959	28.067
61:30:00	4.28	2.598	27.580	27.687
62:00:00	4.21	2.551	27.205	27.311
62:30:00	4.14	2.504	26.833	26.937
63:00:00	4.07	2.457	26.464	26.567
63:30:00	4.00	2.409	26.098	26.200
64:00:00	3.93	2.362	25.736	25.836
64:30:00	3.86	2.315	25.376	25.475
65:00:00	3.79	2.268	25.020	25.118
65:30:00	3.72	2.220	24.666	24.763
66:00:00	3.65	2.173	24.315	24.411
66:30:00	3.58	2.126	23.965	24.059
67:00:00	3.51	2.079	23.614	23.707
67:30:00	3.44	2.031	23.263	23.355
68:00:00	3.37	1.984	22.912	23.003
68:30:00	3.30	1.937	22.562	22.651
69:00:00	3.23	1.890	22.211	22.299
69:30:00	3.16	1.842	21.860	21.947
70:00:00	3.09	1.795	21.510	21.595
70:30:00	3.02	1.748	21.159	21.243
71:00:00	2.95	1.701	20.808	20.891
71:30:00	2.88	1.653	20.457	20.539
72:00:00	2.81	1.606	20.107	20.187
72:30:00	2.74	1.559	19.756	19.834

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q16	365.13	101.30	101.94492	0.40	76.79	77.94852	1.62	471.25227	3.16	472.58441	2.06
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	15.10573115	2.661280937	2.59854412	0.010137789	1.480483571	1.256742078	0.031263962	17.35599555	0.116401909	17.67734284	0.077186188
73:30:00	14.87427594	2.591499613	2.534115633	0.009886431	1.434219753	1.209066595	0.03028699	17.06044822	0.114419754	17.37999722	0.075887861
74:00:00	14.64282073	2.52171829	2.469687145	0.009635074	1.387955936	1.161391111	0.029310019	16.7649009	0.112437599	17.08265159	0.074589534
74:30:00	14.41136552	2.451936966	2.405258658	0.009383717	1.341692119	1.113715628	0.028333047	16.46935357	0.110455444	16.78530597	0.073291206
75:00:00	14.17991031	2.382155643	2.340830171	0.00913236	1.295428302	1.066040144	0.027356076	16.17380625	0.108473289	16.48796035	0.071992879
75:30:00	13.9484551	2.312374319	2.276401684	0.008881003	1.249164485	1.018364661	0.026379104	15.87825892	0.106491134	16.19061472	0.070694552
76:00:00	13.71699988	2.242592996	2.211973196	0.008629646	1.202900668	0.970689178	0.025402133	15.5827116	0.104508979	15.8932691	0.069396225
76:30:00	13.48554467	2.172811672	2.147544709	0.008378289	1.156636851	0.923013694	0.024425161	15.28716427	0.102526824	15.59592348	0.068097898
77:00:00	13.25408946	2.103030349	2.083116222	0.008126932	1.110373033	0.875338211	0.02344819	14.99161695	0.100544669	15.29857786	0.06679957
77:30:00	13.02263425	2.033249025	2.018687735	0.007875575	1.064109216	0.827662728	0.022471218	14.69606962	0.098562514	15.00123223	0.065501243
78:00:00	12.79117904	1.963467702	1.954259247	0.007624218	1.017845399	0.779987244	0.021494247	14.4005223	0.096580359	14.70388661	0.064202916
78:30:00	12.55972383	1.893686378	1.88983076	0.007372861	0.971581582	0.732311761	0.020517276	14.10497497	0.094598204	14.40654099	0.062904589
79:00:00	12.32826862	1.823905054	1.825402273	0.007121504	0.925317765	0.684636278	0.019540304	13.80942765	0.092616049	14.10919536	0.061606262
79:30:00	12.09681341	1.754123731	1.760973785	0.006870147	0.879053948	0.636960794	0.018563333	13.51388032	0.090633894	13.81184974	0.060307934
80:00:00	11.86535819	1.684342407	1.696545298	0.00661879	0.83279013	0.589285311	0.017586361	13.218333	0.088651739	13.51450412	0.059009607

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	101.945	77.949	471.252	472.584
Sum Flow	111.823	78.416	475.835	477.646
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	2.67	1.512	19.405	19.482
73:30:00	2.60	1.465	19.055	19.130
74:00:00	2.53	1.417	18.704	18.778
74:30:00	2.46	1.370	18.353	18.426
75:00:00	2.39	1.323	18.002	18.074
75:30:00	2.32	1.276	17.652	17.722
76:00:00	2.25	1.228	17.301	17.370
76:30:00	2.18	1.181	16.950	17.018
77:00:00	2.11	1.134	16.600	16.666
77:30:00	2.04	1.087	16.249	16.314
78:00:00	1.97	1.039	15.898	15.962
78:30:00	1.90	0.992	15.547	15.610
79:00:00	1.83	0.945	15.197	15.258
79:30:00	1.76	0.898	14.846	14.906
80:00:00	1.69	0.850	14.495	14.554

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q21	383.99	106.57	107.25198	0.42	79.56	80.7534	1.68	495.59067	3.32	496.99161	2.17
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	19.15301012	4.789490827	4.396857981	0.017153612	2.954260468	2.939064227	0.062386296	23.9132424	0.160379567	24.11330514	0.105288115
00:30:00	19.15301012	4.97206448	4.550470185	0.017752904	3.049438398	3.042318796	0.064396206	24.19861293	0.162293469	24.39049911	0.106498452
01:00:00	19.15301012	5.771588457	5.227559653	0.020394456	3.482333991	3.50493803	0.073537835	25.8843928	0.173599533	26.04799312	0.113735719
01:30:00	19.15301012	7.448908514	6.623509055	0.025840521	4.376044399	4.459703739	0.092410674	29.48553435	0.197751403	29.5932069	0.129215508
02:00:00	19.15301012	10.3651121	8.98967818	0.035071737	5.897059803	6.087360206	0.124530562	35.69599716	0.239403276	35.70830107	0.155916399
02:30:00	19.32308896	14.53985893	12.22133528	0.047679511	8.161875767	8.456354321	0.172357584	45.46767309	0.30493923	45.32936587	0.197925728
03:00:00	20.46474319	20.21161624	16.42115577	0.064064413	11.12904409	11.54116939	0.23501646	59.92841512	0.401923466	59.61744289	0.260313057
03:30:00	22.9347648	28.02319319	21.95227795	0.085643168	15.03747584	15.59930758	0.317552371	79.42304417	0.532668604	78.9551961	0.344749246
04:00:00	27.21898125	38.90083865	29.33522658	0.114446517	20.2353577	20.99087555	0.427318114	105.5238269	0.707719405	104.8508934	0.457819982
04:30:00	33.98044049	53.86113621	39.37728551	0.153623943	27.20262973	28.22870331	0.574448775	140.6556306	0.94333879	139.7113468	0.610034346
05:00:00	44.12650095	72.20137577	52.76106804	0.205838549	36.43560838	37.82334576	0.769425265	187.2295239	1.255697137	185.9359988	0.811869244
05:30:00	58.24810768	91.09317775	68.77844573	0.268327689	47.55766861	49.34116268	1.004294244	244.3693324	1.638918182	242.6934701	1.059694548
06:00:00	77.17056787	106.8261357	85.02599874	0.33171482	59.17644632	61.26464333	1.249652604	307.418811	2.061773766	305.3989863	1.33349134
06:30:00	102.6482863	115.7755274	98.37866873	0.383808046	69.51288555	71.64160402	1.467931311	370.5507632	2.485182478	368.3925407	1.60854582
07:00:00	136.4519962	117.231576	105.9152668	0.413210832	76.68962988	78.46279319	1.619485482	427.0976255	2.864426796	425.2031396	1.856603099
07:30:00	178.1214646	112.9433425	107.25198	0.418425797	79.55745	80.7534	1.680046382	469.6215153	3.149622878	468.5567562	2.045901934
08:00:00	224.5474968	105.0756696	103.7681378	0.404834165	78.64457386	79.25279459	1.660768813	492.1359361	3.300620932	492.3078736	2.149608596
08:30:00	271.9342475	95.51044023	97.17597251	0.379115926	75.03880577	75.12694807	1.584624371	495.59067	3.323790886	496.99161	2.17005962
09:00:00	316.1138861	85.00327865	88.98255946	0.347150685	69.78981943	69.47561255	1.473779434	484.0852204	3.246626987	486.5616758	2.12451845
09:30:00	352.210161	73.846968	80.02298904	0.312196408	63.77568023	63.14123159	1.34677646	461.8797696	3.09770111	465.2300712	2.031376327
10:00:00	375.3299933	62.54023913	70.51994325	0.275121853	57.29571321	56.36061419	1.209936413	432.2881239	2.899238048	436.2690522	1.904921199
10:30:00	383.98788	51.576533	60.67807354	0.236725432	50.46356489	49.24558894	1.065659214	398.5006983	2.672635038	402.8036533	1.758798187
11:00:00	380.5271254	42.03881713	51.01067909	0.199009697	43.52566285	42.07514938	0.919148771	363.2747437	2.436384209	367.8067827	1.605988171
11:30:00	367.9908254	34.63610068	42.07303224	0.164140951	36.71842922	35.12753803	0.775397705	327.6200583	2.197257999	332.3877358	1.451334769
12:00:00	348.7421956	29.2678423	34.84205292	0.135930486	30.41484668	28.89884685	0.64228244	292.0007204	1.958368856	297.0085651	1.296855482
12:30:00	325.0183437	25.52058672	29.45493536	0.114913541	25.19783981	23.74507093	0.532112827	256.9833528	1.723516962	262.1496449	1.144647811
13:00:00	299.2748295	22.87317919	25.5542876	0.099695811	21.18187773	19.8929968	0.447306155	224.4027307	1.505007653	229.5717693	1.002400073
13:30:00	273.0982515	21.00168042	22.79610113	0.088935205	18.21664498	17.10128435	0.384688153	194.6569334	1.305510738	199.7205834	0.872058128
14:00:00	246.9903489	19.70378602	20.79629493	0.081133293	16.00372826	15.10426253	0.337957109	168.0149789	1.126830446	172.7989218	0.754507632
14:30:00	221.1382169	18.82727261	19.34926586	0.075487949	14.38228344	13.64296097	0.303716412	145.0660576	0.972918316	149.3138392	0.651962582
15:00:00	196.3925752	18.25934799	18.3227737	0.07148326	13.19696123	12.58547775	0.27868549	126.5520432	0.848749892	129.9978854	0.567621578
15:30:00	173.4444042	17.91594947	17.61519548	0.068722761	12.34255839	11.83336985	0.260642725	112.3771701	0.753682901	115.0888834	0.502523048
16:00:00	152.2403519	17.64909465	17.14920279	0.066904768	11.73783825	11.311127	0.247872609	101.5943905	0.681365751	103.7133954	0.452853221
16:30:00	132.903864	17.38621457	16.85742886	0.06576646	11.32078695	10.96137853	0.23906557	93.47641748	0.62692073	95.12749057	0.415363805
17:00:00	115.7558894	17.12725005	16.60329252	0.06477499	11.04445068	10.7402393	0.233230067	87.41806795	0.586289039	88.70480736	0.387319859
17:30:00	101.3132689	16.87214276	16.35298744	0.063798466	10.86030344	10.56520378	0.229341357	82.9355416	0.556225962	83.94055561	0.366517274
18:00:00	89.87296636	16.62083525	16.10645586	0.062836664	10.68792013	10.39302085	0.225701069	79.65100138	0.534197451	80.43866266	0.351226641
18:30:00	81.05961662	16.37327092	15.8636409	0.061889362	10.51827301	10.22364401	0.222118564	77.27372989	0.518253742	77.8934347	0.340113181
19:00:00	74.372991	16.12939401	15.62448654	0.060956341	10.35131867	10.05702753	0.218592922	75.58233242	0.506910002	76.07156377	0.33215818
19:30:00	69.34347415	15.8891496	15.38893757	0.060037385	10.18701436	9.893126435	0.215123243	74.40944648	0.499043778	74.79640596	0.326590343
20:00:00	65.58788746	15.65248359	15.15693965	0.059132284	10.02531802	9.731896462	0.211708637	73.4642637	0.492704696	73.84258166	0.322425573
20:30:00	62.80367378	15.41934268	14.92843925	0.058240828	9.866188245	9.57329408	0.20834823	72.53108707	0.486446135	72.91316534	0.318367378
21:00:00	60.75637419	15.18967436	14.70338364	0.057362811	9.709584308	9.417276469	0.205041162	71.60976407	0.480267074	71.99544708	0.314360262
21:30:00	59.26654882	14.96342691	14.48172088	0.05649803	9.555466112	9.263801504	0.201786587	70.70014414	0.474166503	71.08927963	0.31040358
22:00:00	58.19806534	14.74054937	14.26339982	0.055646287	9.403794203	9.112827746	0.19858367	69.80207862	0.468143423	70.19451762	0.3064967
22:30:00	57.4263728	14.52099156	14.04837009	0.054807384	9.254529749	8.964314434	0.195431593	68.91542073	0.462196852	69.3110175	0.302638993
23:00:00	56.71090566	14.30470402	13.83658208	0.053981128	9.107634539	8.818221468	0.192329549	68.04002558	0.456325816	68.4386375	0.298829841
23:30:00	56.00435243	14.09163804	13.62798689	0.053167329	8.963070966	8.674509404	0.189276742	67.1757501	0.450529357	67.57723768	0.295068632
24:00:00	55.30660204	13.88174564	13.42253642	0.052365798	8.82080202	8.533139441	0.186272392	66.32245304	0.444806527	66.72667983	0.291354764
24:30:00	54.61754482	13.67497955	13.22018324	0.05157635	8.68079128	8.394073408	0.18331573	65.47999495	0.439156392	65.88682749	0.287687641
25:00:00	53.93707248	13.4712932	13.02088065	0.050798804	8.5430029	8.257273758	0.180405997	64.64823814	0.433578027	65.05754591	0.284066673
25:30:00	53.26507804	13.27064073	12.82458269	0.050032981	8.407401607	8.122703555	0.177542451	63.82704669	0.428070521	64.23870204	0.280491281
26:00:00	52.60145589	13.07297694	12.63124403	0.049278702	8.273952684	7.990326465	0.174724357	63.01628639	0.422632973	63.43016452	0.27696089
26:30:00	51.94610171	12.87825731	12.44082008	0.048535794	8.142621968	7.860106748	0.171950994	62.21582474	0.417264496	62.63180361	0.273474934
27:00:00	51.2989125	12.686438	12.25326689	0.047804087	8.013375837	7.732009244	0.169221652	61.42553092	0.411964212	61.84349124	0.270032854
27:30:00	50.65978653	12.4974758	12.06854118	0.04708341	7.886181203	7.605999367	0.166535632	60.64527577	0.406731254	61.06510093	0.266634098
28:00:00	50.02862334	12.31132816	11.88660033	0.046373598	7.761005503	7.482043094	0.163892247	59.87493177	0.401564768	60.2965078	0.26327812
28:30:00	49.40532373	12.12795315	11.70740235	0.045674487	7.63781669	7.360106958	0.161290819	59.11437304	0.396463909	59.53758852	0.259964382
29:00:00	48.78978971	11.94730948	11.53090589	0.044985915	7.516583227	7.240158036	0.158730684	58.36347528	0.391427843	58.78822135	0.256692352
29:30:00	48.18192455	11.76935647	11.35707023	0.044307724	7.397274078	7.122163942	0.156211185	57.62211575	0.386455748	58.04828606	0.253461505
30:00:00	47.5816327	11.59405404	11.18585525	0.043639757	7.279858698	7.006092818	0.153731678	56.89017332	0.381546811	57.31766392	0.250271323
30:30:00	46.9888198	11.4213627	11.01722145	0.042981861	7.164307027	6.891913325	0.151291527	56.16752835	0.376700229	56.59623774	0.247121295
31:00:00	46.40339267	11.25124357	10.8511299	0.042333882	7.050589484	6.779594635	0.148890108	55.45406275	0.371915211	55.88389174	0.244010914
31:30:00	45.82525929	11.08365833	10.68754229	0.041695672	6.938676956	6.669106421	0.146526807	54.74965992	0.367190974	55.18051166	0.240939681
32:00:00	45.2543288	10.91856924	10.52642086	0.041067084	6.828540792	6.560418853	0.144201018	54.05420473	0.362526746	54.48598464	0.237907105
32:30:00	44.69051145	10.75593913	10.36772845	0.040447972	6.720152796	6.453502585	0.141912145	53.36758353	0.357921766	53.80019926	0.234912698
33:00:00	44.13371863	10.59573136	10.21142842	0.039838193	6.613485219	6.34832875	0.139659603	52.68968411	0.35337528	53.12304548	0.23195598
33:30:00	43.5838628	10.43790986	10.05748471	0.039237607	6.508510755	6.24486895	0.137442816	52.02039568	0.348886546	52.45441466	0.229036476
34:00:00	43.04085756	10.28243908	9.905861798	0.038646075	6.405202529	6.143095253	0.135261215	51.35960885	0.34445483	51.79419954	0.226153719
34:30:00	42.50461754	10.12928401	9.756524698	0.038063462	6.303534093	6.042980178	0.133114242	50.70721564	0.340079407	51.14229419	0.223307245
35:00:00	41.97505846	9.978410161	9.60943895	0.037489631	6.203479418	5.944496697	0.131001348	50.06310943	0.335759563	50.49859401	0.220496599
35:30:00	41.45209708	9.829783547	9.464570611	0.036924451	6.10501289	5.847618217	0.128921991	49.42718495	0.331494592	49.86299573	0.217721328
36:00:00	40.9356512	9.683370699	9.321886254	0.036367792	6.008109301	5.752318583	0.126875639	48.79933827	0.327283796	49.23539739	0.214980989

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	107.252	80.753	495.591	496.992
Sum Flow	117.645	81.237	499.550	501.455
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	4.81	3.017	27.137	27.242
00:30:00	4.99	3.114	27.419	27.525
01:00:00	5.79	3.556	28.674	28.788
01:30:00	7.47	4.468	31.294	31.423
02:00:00	10.40	6.022	35.814	35.970
02:30:00	14.59	8.334	42.550	42.748
03:00:00	20.28	11.364	52.506	52.767
03:30:00	28.11	15.355	66.931	67.276
04:00:00	39.02	20.663	87.605	88.062
04:30:00	54.01	27.777	116.716	117.326
05:00:00	72.41	37.205	154.994	155.806
05:30:00	91.36	48.562	199.810	200.870
06:00:00	107.16	60.426	246.816	248.150
06:30:00	116.16	70.981	292.274	293.882
07:00:00	117.64	78.309	335.270	337.127
07:30:00	113.36	81.237	375.870	377.916
08:00:00	105.48	80.305	413.634	415.784
08:30:00	95.89	76.623	447.771	449.941
09:00:00	85.35	71.264	475.975	478.099
09:30:00	74.16	65.122	494.589	496.621
10:00:00	62.82	58.506	499.550	501.455
10:30:00	51.81	51.529	490.003	491.762
11:00:00	42.24	44.445	469.646	471.252
11:30:00	34.80	37.494	442.482	443.933
12:00:00	29.40	31.057	411.161	412.458
12:30:00	25.64	25.730	378.107	379.252
13:00:00	22.97	21.629	345.382	346.384
13:30:00	21.09	18.601	314.096	314.968
14:00:00	19.78	16.342	284.244	284.998
14:30:00	18.90	14.686	255.700	256.352
15:00:00	18.33	13.476	229.048	229.615
15:30:00	17.98	12.603	204.786	205.288
16:00:00	17.72	11.986	182.623	183.076
16:30:00	17.45	11.560	162.543	162.958
17:00:00	17.19	11.278	144.812	145.199
17:30:00	16.94	11.090	129.895	130.262
18:00:00	16.68	10.914	118.004	118.356
18:30:00	16.44	10.740	108.753	109.094
19:00:00	16.19	10.570	101.640	101.972
19:30:00	15.95	10.402	96.194	96.520
20:00:00	15.71	10.237	92.029	92.352
20:30:00	15.48	10.075	88.842	89.161
21:00:00	15.25	9.915	86.398	86.713
21:30:00	15.02	9.757	84.518	84.828
22:00:00	14.80	9.602	83.065	83.371
22:30:00	14.58	9.450	81.914	82.217
23:00:00	14.36	9.300	80.826	81.125
23:30:00	14.14	9.152	79.752	80.047
24:00:00	13.93	9.007	78.693	78.984
24:30:00	13.73	8.864	77.647	77.935
25:00:00	13.52	8.723	76.616	76.900
25:30:00	13.32	8.585	75.599	75.879
26:00:00	13.12	8.449	74.595	74.872
26:30:00	12.93	8.315	73.605	73.878
27:00:00	12.73	8.183	72.628	72.898
27:30:00	12.54	8.053	71.664	71.930
28:00:00	12.36	7.925	70.713	70.976
28:30:00	12.17	7.799	69.775	70.034
29:00:00	11.99	7.675	68.849	69.106
29:30:00	11.81	7.553	67.936	68.189
30:00:00	11.64	7.434	67.034	67.285
30:30:00	11.46	7.316	66.145	66.393
31:00:00	11.29	7.199	65.268	65.512
31:30:00	11.13	7.085	64.403	64.644
32:00:00	10.96	6.973	63.549	63.787
32:30:00	10.80	6.862	62.707	62.942
33:00:00	10.64	6.753	61.876	62.108
33:30:00	10.48	6.646	61.056	61.285
34:00:00	10.32	6.540	60.247	60.473
34:30:00	10.17	6.437	59.449	59.672
35:00:00	10.02	6.334	58.661	58.882
35:30:00	9.87	6.234	57.884	58.102
36:00:00	9.72	6.135	57.118	57.333

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q21	383.99	106.57	107.25198	0.42	79.56	80.7534	1.68	495.59067	3.32	496.99161	2.17
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	40.42563965	9.539138645	9.181352953	0.035819524	5.912743842	5.658572063	0.124861768	48.17946678	0.323126488	48.61569828	0.21227514
37:00:00	39.92198227	9.3970549	9.04293828	0.035279523	5.818892099	5.566353346	0.122879864	47.56746919	0.319021988	48.00379899	0.209603349
37:30:00	39.42459988	9.257087468	8.906610296	0.034747662	5.726530045	5.475637534	0.120929417	46.96324547	0.314969625	47.39960134	0.206965186
38:00:00	38.93341431	9.119204825	8.772337541	0.034223819	5.635634034	5.386400132	0.11900993	46.36669687	0.310968737	46.8030084	0.204360228
38:30:00	38.44834835	8.983375919	8.640089033	0.033707873	5.546180797	5.298617048	0.117120911	45.77772591	0.30701867	46.21392444	0.201788057
39:00:00	37.96932576	8.84957016	8.509834255	0.033199706	5.458147432	5.21226458	0.115261875	45.19623633	0.303118778	45.63225497	0.199248261
39:30:00	37.49627124	8.717757413	8.381543149	0.032699199	5.371511403	5.127319412	0.113432347	44.62213309	0.299268425	45.05790665	0.196740431
40:00:00	37.02911045	8.587907994	8.255186112	0.032206238	5.286250528	5.043758611	0.111631859	44.05532237	0.295466981	44.49078734	0.194264167
40:30:00	36.56776994	8.459992658	8.130733987	0.031720709	5.202342982	4.961559614	0.10985995	43.49571155	0.291713824	43.93080606	0.19181907
41:00:00	36.11217722	8.333982598	8.008158056	0.031242499	5.119767283	4.880700228	0.108116166	42.94320915	0.288008342	43.37787295	0.189404748
41:30:00	35.66226065	8.209849435	7.887430035	0.030771499	5.038502291	4.801158622	0.106400061	42.39772489	0.284349929	42.83189931	0.187020813
42:00:00	35.21794954	8.087565213	7.768522064	0.030307599	4.958527201	4.722913318	0.104711195	41.85916963	0.280737986	42.29279754	0.184666884
42:30:00	34.77917404	7.967102393	7.651406706	0.029850693	4.879821538	4.645943192	0.103049136	41.32745534	0.277171924	41.76048116	0.182342583
43:00:00	34.34586518	7.848433844	7.536056935	0.029400675	4.802365154	4.570227461	0.101413459	40.80249512	0.273651159	41.23486474	0.180047536
43:30:00	33.91795485	7.731532842	7.422446135	0.028957442	4.726138219	4.495745683	0.099803745	40.28420319	0.270175117	40.71586398	0.177781376
44:00:00	33.4953758	7.616373059	7.310548089	0.02852089	4.651121218	4.422477746	0.098219581	39.77249484	0.26674323	40.2033956	0.175543739
44:30:00	33.0780616	7.50292856	7.200336977	0.028090919	4.577294947	4.35040387	0.096660562	39.26728645	0.263354935	39.69737737	0.173334265
45:00:00	32.66594666	7.391173797	7.091787366	0.027667431	4.504640504	4.279504594	0.095126289	38.76849544	0.260009681	39.19772812	0.171152602
45:30:00	32.2589662	7.2810836	6.98487421	0.027250327	4.43313929	4.209760776	0.093616369	38.2760403	0.256706919	38.70436769	0.168998397
46:00:00	31.85705626	7.172633177	6.879572836	0.026839511	4.362772999	4.141153584	0.092130416	37.78984056	0.25344611	38.21721691	0.166871306
46:30:00	31.46015365	7.065798104	6.775858947	0.026434889	4.293523619	4.073664496	0.09066805	37.30981674	0.250226722	37.73619764	0.164770988
47:00:00	31.068196	6.96055432	6.67370861	0.026036366	4.225373418	4.007275289	0.089228895	36.83589041	0.247048228	37.26123269	0.162697106
47:30:00	30.6811217	6.856878122	6.573098253	0.025643852	4.158304952	3.941968038	0.087812583	36.3679841	0.243910109	36.79224586	0.160649326
48:00:00	30.29886989	6.754746163	6.474004661	0.025257255	4.09230105	3.877725111	0.086418752	35.90602136	0.240811851	36.32916192	0.15862732
48:30:00	29.92138052	6.654135441	6.376404967	0.024876486	4.027344813	3.814529161	0.085047046	35.44992667	0.237752949	35.87190656	0.156630765
49:00:00	29.54859422	6.555023298	6.28027665	0.024501457	3.963419614	3.752363127	0.083697112	34.99962551	0.234732902	35.42040643	0.154659339
49:30:00	29.18045242	6.457387412	6.185597528	0.024132082	3.900509085	3.691210223	0.082368605	34.55504428	0.231751218	34.97458909	0.152712726
50:00:00	28.81689725	6.361205795	6.092345753	0.023768276	3.838597123	3.631053939	0.081061185	34.11611033	0.228807408	34.534383	0.150790614
50:30:00	28.45787156	6.266456785	6.000499808	0.023409954	3.777667875	3.571878032	0.079774518	33.68275191	0.225900992	34.09971755	0.148892695
51:00:00	28.10331892	6.173119045	5.910038497	0.023057034	3.717705746	3.513666524	0.078508274	33.25489821	0.223031494	33.67052299	0.147018664
51:30:00	27.75318361	6.081171554	5.820940948	0.022709435	3.658695382	3.4564037	0.077262129	32.8324793	0.220198446	33.24673047	0.14516822
52:00:00	27.40741058	5.990593604	5.733186601	0.022367076	3.600621677	3.400074098	0.076035763	32.41542616	0.217401385	32.828272	0.143341067
52:30:00	27.06594548	5.901364796	5.646755206	0.022029878	3.543469764	3.344662509	0.074828863	32.00367061	0.214639853	32.41508044	0.141536911
53:00:00	26.72873466	5.813465035	5.561626818	0.021697764	3.487225012	3.290153972	0.073641121	31.59714536	0.2119134	32.00708949	0.139755463
53:30:00	26.39572509	5.726874525	5.477781794	0.021370656	3.431873021	3.236533769	0.07247223	31.19578399	0.209221579	31.6042337	0.137996437
54:00:00	26.06686445	5.641573765	5.395200787	0.02104848	3.37739962	3.183787425	0.071321894	30.7995209	0.206563951	31.20644844	0.136259551
54:30:00	25.74210103	5.557543545	5.31386474	0.020731161	3.323790864	3.131900697	0.070189817	30.40829131	0.203940081	30.81366989	0.134544526
55:00:00	25.4213838	5.474764939	5.233754886	0.020418626	3.271033029	3.080859575	0.069075708	30.02203131	0.201349541	30.42583502	0.132851088
55:30:00	25.10466234	5.393219306	5.154852738	0.020110802	3.219112607	3.03065028	0.067979284	29.64067775	0.198791907	30.04288162	0.131178963
56:00:00	24.79188686	5.31288828	5.077140089	0.019807619	3.168016308	2.981259254	0.066900263	29.26416833	0.196266762	29.66474825	0.129527885
56:30:00	24.48300822	5.23375377	5.000599008	0.019509007	3.117731049	2.931868228	0.065838369	28.89244149	0.193773692	29.29137423	0.127897589
57:00:00	24.17797784	5.155797955	4.925211831	0.019214896	3.068243958	2.882477202	0.064793331	28.5254365	0.19131229	28.92269967	0.126287811
57:30:00	23.8767478	5.079003277	4.850961164	0.01892522	3.019542365	2.833086176	0.06376488	28.16309338	0.188882154	28.55866542	0.124698295
58:00:00	23.57927074	5.003352442	4.777829872	0.01863991	2.971613803	2.78369515	0.062752753	27.80535291	0.186482886	28.19921307	0.123128786
58:30:00	23.28549991	4.928828413	4.70580108	0.018358902	2.92368524	2.734304124	0.061740627	27.45215661	0.184114096	27.84428494	0.121579031
59:00:00	22.99538912	4.855414405	4.634858168	0.01808213	2.875756677	2.684913098	0.0607285	27.10344678	0.181775394	27.49382411	0.120048782
59:30:00	22.70889279	4.782000398	4.564984765	0.01780953	2.827828114	2.635522072	0.059716373	26.75916642	0.1794664	27.14777433	0.118537794
60:00:00	22.42596587	4.70858639	4.496164747	0.01754104	2.779899552	2.586131046	0.058704247	26.41925927	0.177186736	26.8060801	0.117045823
60:30:00	22.1465639	4.635172383	4.428382235	0.017276598	2.731970989	2.53674002	0.05769212	26.08366977	0.174936029	26.46868658	0.115572631
61:00:00	21.87064296	4.561758375	4.360599722	0.017012156	2.684042426	2.487348994	0.056679994	25.75234308	0.172713912	26.13553965	0.114117981
61:30:00	21.59815968	4.488344368	4.292817209	0.016747714	2.636113863	2.437957968	0.055667867	25.42522506	0.170520021	25.80658586	0.11268164
62:00:00	21.32907124	4.414930361	4.225034697	0.016483272	2.588185301	2.388566942	0.054655741	25.10226223	0.168353998	25.48177243	0.111263378
62:30:00	21.06333532	4.341516353	4.157252184	0.016218829	2.540256738	2.339175916	0.053643614	24.78340183	0.166215488	25.16104725	0.109862967
63:00:00	20.80091018	4.268102346	4.089469671	0.015954387	2.492328175	2.28978489	0.052631487	24.46859174	0.164104143	24.84435887	0.108480181
63:30:00	20.54175455	4.194688338	4.021687159	0.015689945	2.444399612	2.240393864	0.051619361	24.15778051	0.162019617	24.53165647	0.1071148
64:00:00	20.2858277	4.121274331	3.953904646	0.015425503	2.39647105	2.191002838	0.050607234	23.84696929	0.159935092	24.21895406	0.105749419
64:30:00	20.03308941	4.047860323	3.886122134	0.01516106	2.348542487	2.141611812	0.049595108	23.53615806	0.157850566	23.90625166	0.104384039
65:00:00	19.78349996	3.974446316	3.818339621	0.014896618	2.300613924	2.092220786	0.048582981	23.22534683	0.15576604	23.59354926	0.103018658
65:30:00	19.5370201	3.901032308	3.750557108	0.014632176	2.252685361	2.04282976	0.047570855	22.9145356	0.153681514	23.28084686	0.101653277
66:00:00	19.2936111	3.827618301	3.682774596	0.014367734	2.204756799	1.993438734	0.046558728	22.60372437	0.151596988	22.96814446	0.100287896
66:30:00	19.0502021	3.754204293	3.614992083	0.014103292	2.156828236	1.944047708	0.045546602	22.29291314	0.149512463	22.65544206	0.098922515
67:00:00	18.8067931	3.680790286	3.54720957	0.013838849	2.108899673	1.894656682	0.044534475	21.98210191	0.147427937	22.34273965	0.097557134
67:30:00	18.56338411	3.607376278	3.479427058	0.013574407	2.06097111	1.845265656	0.043522348	21.67129069	0.145343411	22.03003725	0.096191753
68:00:00	18.31997511	3.533962271	3.411644545	0.013309965	2.013042548	1.79587463	0.042510222	21.36047946	0.143258885	21.71733485	0.094826372
68:30:00	18.07656611	3.460548264	3.343862033	0.013045523	1.965113985	1.746483604	0.041498095	21.04966823	0.14117436	21.40463245	0.093460991
69:00:00	17.83315711	3.387134256	3.27607952	0.01278108	1.917185422	1.697092578	0.040485969	20.738857	0.139089834	21.09193005	0.09209561
69:30:00	17.58974811	3.313720249	3.208297007	0.012516638	1.869256859	1.647701552	0.039473842	20.42804577	0.137005308	20.77922765	0.09073023
70:00:00	17.34633911	3.240306241	3.140514495	0.012252196	1.821328297	1.598310526	0.038461716	20.11723454	0.134920782	20.46652525	0.089364849
70:30:00	17.10293011	3.166892234	3.072731982	0.011987754	1.773399734	1.5489195	0.037449589	19.80642332	0.132836256	20.15382284	0.087999468
71:00:00	16.85952111	3.093478226	3.00494947	0.011723312	1.725471171	1.499528474	0.036437462	19.49561209	0.130751731	19.84112044	0.086634087
71:30:00	16.61611211	3.020064219	2.937166957	0.011458869	1.677542608	1.450137448	0.035425336	19.18480086	0.128667205	19.52841804	0.085268706
72:00:00	16.37270312	2.946650211	2.869384444	0.011194427	1.629614046	1.400746422	0.034413209	18.87398963	0.126582679	19.21571564	0.083903325
72:30:00	16.12929412	2.873236204	2.801601932	0.010929985	1.581685483	1.351355396	0.033401083	18.5631784	0.124498153	18.90301324	0.082537944

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	107.252	80.753	495.591	496.992
Sum Flow	117.645	81.237	499.550	501.455
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	9.57	6.038	56.361	56.574
37:00:00	9.43	5.942	55.615	55.825
37:30:00	9.29	5.847	54.879	55.086
38:00:00	9.15	5.755	54.152	54.357
38:30:00	9.02	5.663	53.436	53.638
39:00:00	8.88	5.573	52.729	52.928
39:30:00	8.75	5.485	52.031	52.228
40:00:00	8.62	5.398	51.343	51.537
40:30:00	8.49	5.312	50.663	50.855
41:00:00	8.37	5.228	49.993	50.183
41:30:00	8.24	5.145	49.332	49.519
42:00:00	8.12	5.063	48.680	48.864
42:30:00	8.00	4.983	48.036	48.219
43:00:00	7.88	4.904	47.401	47.581
43:30:00	7.76	4.826	46.775	46.952
44:00:00	7.64	4.749	46.156	46.332
44:30:00	7.53	4.674	45.546	45.720
45:00:00	7.42	4.600	44.945	45.116
45:30:00	7.31	4.527	44.351	44.520
46:00:00	7.20	4.455	43.765	43.932
46:30:00	7.09	4.384	43.187	43.352
47:00:00	6.99	4.315	42.616	42.779
47:30:00	6.88	4.246	42.054	42.214
48:00:00	6.78	4.179	41.498	41.657
48:30:00	6.68	4.112	40.951	41.107
49:00:00	6.58	4.047	40.410	40.565
49:30:00	6.48	3.983	39.877	40.029
50:00:00	6.38	3.920	39.350	39.501
50:30:00	6.29	3.857	38.831	38.980
51:00:00	6.20	3.796	38.319	38.466
51:30:00	6.10	3.736	37.813	37.958
52:00:00	6.01	3.677	37.314	37.458
52:30:00	5.92	3.618	36.822	36.964
53:00:00	5.84	3.561	36.337	36.476
53:30:00	5.75	3.504	35.858	35.996
54:00:00	5.66	3.449	35.385	35.521
54:30:00	5.58	3.394	34.918	35.053
55:00:00	5.50	3.340	34.458	34.591
55:30:00	5.41	3.287	34.004	34.135
56:00:00	5.33	3.235	33.556	33.685
56:30:00	5.25	3.184	33.114	33.242
57:00:00	5.18	3.133	32.677	32.804
57:30:00	5.10	3.083	32.247	32.372
58:00:00	5.02	3.034	31.822	31.945
58:30:00	4.95	2.985	31.402	31.524
59:00:00	4.87	2.936	30.987	31.107
59:30:00	4.80	2.888	30.576	30.694
60:00:00	4.73	2.839	30.168	30.285
60:30:00	4.65	2.790	29.764	29.879
61:00:00	4.58	2.741	29.363	29.477
61:30:00	4.51	2.692	28.966	29.078
62:00:00	4.43	2.643	28.572	28.683
62:30:00	4.36	2.594	28.181	28.291
63:00:00	4.28	2.545	27.794	27.903
63:30:00	4.21	2.496	27.410	27.517
64:00:00	4.14	2.447	27.030	27.135
64:30:00	4.06	2.398	26.652	26.756
65:00:00	3.99	2.349	26.278	26.381
65:30:00	3.92	2.300	25.907	26.008
66:00:00	3.84	2.251	25.539	25.639
66:30:00	3.77	2.202	25.170	25.269
67:00:00	3.69	2.153	24.802	24.900
67:30:00	3.62	2.104	24.434	24.530
68:00:00	3.55	2.056	24.066	24.161
68:30:00	3.47	2.007	23.698	23.791
69:00:00	3.40	1.958	23.330	23.422
69:30:00	3.33	1.909	22.962	23.052
70:00:00	3.25	1.860	22.594	22.683
70:30:00	3.18	1.811	22.225	22.313
71:00:00	3.11	1.762	21.857	21.944
71:30:00	3.03	1.713	21.489	21.575
72:00:00	2.96	1.664	21.121	21.205
72:30:00	2.88	1.615	20.753	20.836

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q21	383.99	106.57	107.25198	0.42	79.56	80.7534	1.68	495.59067	3.32	496.99161	2.17
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	15.88588512	2.799822196	2.733819419	0.010665543	1.53375692	1.30196437	0.032388956	18.25236717	0.122413627	18.59031084	0.081172563
73:30:00	15.64247612	2.726408189	2.666036906	0.0104011	1.485828357	1.252573344	0.03137683	17.94155594	0.120329102	18.27760844	0.079807182
74:00:00	15.39906712	2.652994182	2.598254394	0.010136658	1.437899795	1.203182318	0.030364703	17.63074472	0.118244576	17.96490603	0.078441801
74:30:00	15.15565812	2.579580174	2.530471881	0.009872216	1.389971232	1.153791292	0.029352577	17.31993349	0.11616005	17.65220363	0.07707642
75:00:00	14.91224912	2.506166167	2.462689369	0.009607774	1.342042669	1.104400266	0.02834045	17.00912226	0.114075524	17.33950123	0.07571104
75:30:00	14.66884012	2.432752159	2.394906856	0.009343332	1.294114106	1.05500924	0.027328323	16.69831103	0.111990999	17.02679883	0.074345659
76:00:00	14.42543112	2.359338152	2.327124343	0.009078889	1.246185544	1.005618214	0.026316197	16.3874998	0.109906473	16.71409643	0.072980278
76:30:00	14.18202213	2.285924144	2.259341831	0.008814447	1.198256981	0.956227188	0.02530407	16.07668857	0.107821947	16.40139403	0.071614897
77:00:00	13.93861313	2.212510137	2.191559318	0.008550005	1.150328418	0.906836162	0.024291944	15.76587735	0.105737421	16.08869162	0.070249516
77:30:00	13.69520413	2.139096129	2.123776805	0.008285563	1.102399855	0.857445136	0.023279817	15.45506612	0.103652895	15.77598922	0.068884135
78:00:00	13.45179513	2.065682122	2.055994293	0.00802112	1.054471293	0.80805411	0.022267691	15.14425489	0.10156837	15.46328682	0.067518754
78:30:00	13.20838613	1.992268114	1.98821178	0.007756678	1.00654273	0.758663084	0.021255564	14.83344366	0.099483844	15.15058442	0.066153373
79:00:00	12.96497713	1.918854107	1.920429268	0.007492236	0.958614167	0.709272058	0.020243437	14.52263243	0.097399318	14.83788202	0.064787992
79:30:00	12.72156813	1.845440099	1.852646755	0.007227794	0.910685604	0.659881032	0.019231311	14.2118212	0.095314792	14.52517962	0.063422611
80:00:00	12.47815913	1.772026092	1.784864242	0.006963352	0.862757042	0.610490006	0.018219184	13.90100997	0.093230267	14.21247722	0.062057231

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	107.252	80.753	495.591	496.992
Sum Flow	117.645	81.237	499.550	501.455
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	2.81	1.566	20.385	20.466
73:30:00	2.74	1.517	20.017	20.097
74:00:00	2.66	1.468	19.649	19.727
74:30:00	2.59	1.419	19.281	19.358
75:00:00	2.52	1.370	18.912	18.988
75:30:00	2.44	1.321	18.544	18.619
76:00:00	2.37	1.273	18.176	18.249
76:30:00	2.29	1.224	17.808	17.880
77:00:00	2.22	1.175	17.440	17.510
77:30:00	2.15	1.126	17.072	17.141
78:00:00	2.07	1.077	16.704	16.771
78:30:00	2.00	1.028	16.336	16.402
79:00:00	1.93	0.979	15.968	16.032
79:30:00	1.85	0.930	15.599	15.663
80:00:00	1.78	0.881	15.231	15.293

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q24	386.11	108.54	109.2267	0.43	83.61	84.87024	1.77	498.32874	3.34	499.73742	2.18
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	19.25882786	4.877674778	4.477812788	0.017469443	3.104869826	3.088898874	0.065566774	24.04535976	0.161265642	24.24652782	0.105869817
00:30:00	19.25882786	5.063609971	4.634253296	0.01807977	3.204899963	3.197417401	0.06767915	24.33230692	0.163190118	24.52525325	0.107086841
01:00:00	19.25882786	5.877854758	5.323809313	0.020769958	3.659864743	3.683621145	0.077286823	26.02740049	0.174558646	26.19190468	0.114364093
01:30:00	19.25882786	7.586057578	6.745460891	0.026316296	4.599136859	4.687061185	0.097121806	29.64843786	0.198843952	29.75670528	0.129929406
02:00:00	19.25882786	10.55595421	9.155195845	0.035717477	6.197694225	6.397696216	0.130879179	35.89321261	0.240725946	35.9055845	0.156777816
02:30:00	19.42984635	14.80756635	12.44635412	0.048557385	8.577971394	8.88746258	0.181144441	45.71887571	0.306623977	45.57980435	0.199019241
03:00:00	20.57780807	20.58375187	16.72350156	0.065243965	11.69640713	12.12954274	0.246997691	60.25951133	0.404144038	59.94682102	0.261751251
03:30:00	23.06147621	28.53915532	22.35646259	0.087220028	15.80409226	16.3945664	0.333741316	79.86184551	0.535611524	79.39141266	0.346653938
04:00:00	27.36936236	39.61707964	29.87534583	0.116553703	21.26696417	22.06099862	0.449102959	106.1068315	0.711629457	105.4301801	0.460349374
04:30:00	34.16817773	54.85282572	40.10229882	0.156452462	28.58943046	29.66781367	0.603734399	141.4327336	0.948550607	140.4832327	0.613404702
05:00:00	44.37029378	73.53074517	53.73250312	0.209628442	38.29310998	39.75159476	0.808650867	188.2639412	1.26263469	186.9632695	0.81635471
05:30:00	58.56992043	92.7703824	70.04479226	0.27326813	49.98217721	51.8565945	1.055493558	245.7194392	1.647972979	244.034318	1.065549214
06:00:00	77.5969246	108.793015	86.59149469	0.337822343	62.19328475	64.38793888	1.313360384	309.1172574	2.073164781	307.0862735	1.340858696
06:30:00	103.2154039	117.9071827	100.1900136	0.390874707	73.05667971	75.29392109	1.542767025	372.598005	2.498912768	370.4278586	1.617432813
07:00:00	137.2058746	119.39004	107.8653753	0.420818856	80.59929728	82.46285716	1.702047487	429.4572808	2.880252358	427.5523282	1.866860575
07:30:00	179.1055611	115.0228517	109.2267	0.426129839	83.61332	84.87024	1.765695806	472.2161093	3.167024109	471.1454676	2.05720526
08:00:00	225.7880907	107.0103195	105.6787135	0.412287958	82.65390508	83.29313313	1.745435459	494.8549192	3.318856407	495.0278066	2.161484886
08:30:00	273.4366466	97.26897538	98.96517338	0.386096196	78.86431352	78.95694935	1.665409143	498.32874	3.342154372	499.73742	2.182048899
09:00:00	317.8603717	86.56835628	90.62090347	0.353542412	73.3477318	73.01750652	1.548913288	486.7597243	3.264564152	489.2498619	2.136256121
09:30:00	354.1560735	75.206636	81.49636973	0.317944558	67.02698942	66.36019634	1.415435652	464.4315915	3.114815481	467.8004031	2.042599401
10:00:00	377.4036396	63.691728	71.81835417	0.280187387	60.21667114	59.23390041	1.271619446	434.6764561	2.915255937	438.6793784	1.915445625
10:30:00	386.10936	52.52615846	61.79527627	0.241084013	53.03621722	51.75614837	1.119986939	400.7023597	2.687400978	405.0290878	1.768515304
11:00:00	382.6294852	42.81283448	51.94988607	0.202673857	45.74461821	44.22015699	0.966007336	365.2817865	2.449844895	369.8388643	1.614861034
11:30:00	370.0239239	35.27381945	42.84767956	0.167163109	38.59034914	36.91835369	0.814927784	329.4301139	2.209397546	334.2241321	1.459353193
12:00:00	350.6689481	29.80672087	35.48356367	0.138433234	31.96540749	30.3721214	0.675026251	293.613984	1.969188573	298.6494964	1.304020429
12:30:00	326.8140252	25.99047095	29.99725868	0.117029325	26.48243556	24.95560396	0.559240147	258.4031504	1.733039155	263.5979854	1.150971832
13:00:00	300.9282816	23.29431943	26.02479232	0.101531407	22.26173816	20.90714957	0.470109998	225.6425248	1.513322613	230.8401216	1.007938195
13:30:00	274.6070817	21.38836268	23.21582221	0.090572677	19.14533668	17.97311454	0.404299706	195.7323861	1.312723504	200.824012	0.876876129
14:00:00	248.3549365	20.06657149	21.17919564	0.082627116	16.8196046	15.87428376	0.355186294	168.9432384	1.133056028	173.753612	0.758676182
14:30:00	222.359975	19.17391974	19.70552392	0.076877831	15.11549789	14.33848447	0.319199994	145.8675275	0.978293556	150.1387775	0.655564585
15:00:00	197.4776171	18.59553851	18.66013202	0.072799408	13.86974748	13.22709035	0.292892986	127.2512258	0.853439118	130.7161058	0.570757608
15:30:00	174.4026606	18.24581736	17.93952589	0.069988082	12.97178685	12.43663968	0.273930393	112.9980384	0.757846895	115.7247335	0.505299418
16:00:00	153.0814588	17.97404921	17.46495336	0.068136616	12.33623785	11.88777269	0.260509252	102.1556854	0.685130203	104.2863976	0.455355173
16:30:00	133.6381394	17.706329	17.1678073	0.06697735	11.89792511	11.52019391	0.251253227	93.99286178	0.63038438	95.65305682	0.417658632
17:00:00	116.3954247	17.44259643	16.9089918	0.065967625	11.60750111	11.28778091	0.245120228	87.9010407	0.589528205	89.19488917	0.389459748
17:30:00	101.8730108	17.18279211	16.65407811	0.064973121	11.41396597	11.10382201	0.241033269	83.39374901	0.559299034	84.40431558	0.368542231
18:00:00	90.36950209	16.92685753	16.40300741	0.063993611	11.23279448	10.92286113	0.237207398	80.09106216	0.537148818	80.88307517	0.35316712
18:30:00	81.5074598	16.67473505	16.15572175	0.063028867	11.05449869	10.74484939	0.233442255	77.70065658	0.521117022	78.32378517	0.341992259
19:00:00	74.7838915	16.42636789	15.91216408	0.062078667	10.87903295	10.56973874	0.229736875	75.99991436	0.50971061	76.49184865	0.333993308
19:30:00	69.72658726	16.18170011	15.67227819	0.061142792	10.70635234	10.3974819	0.22609031	74.82054839	0.501800925	75.20964577	0.328394709
20:00:00	65.95025148	15.94067662	15.43600874	0.060221026	10.53641266	10.22803236	0.222501626	73.87014361	0.495426821	74.25055173	0.32420693
20:30:00	63.1506554	15.70324312	15.20330119	0.059313156	10.36917039	10.06134437	0.218969904	72.93181131	0.489133683	73.31600051	0.320126314
21:00:00	61.09204477	15.46934616	14.97410186	0.058418973	10.20458272	9.897372917	0.215494241	72.00539813	0.482920484	72.39321198	0.316097059
21:30:00	59.59398832	15.23893305	14.74835785	0.05753827	10.04260752	9.736073737	0.212073746	71.09075267	0.476786207	71.48203808	0.312118517
22:00:00	58.51960161	15.01195189	14.52601708	0.056670844	9.883203919	9.577403278	0.208707544	70.18772546	0.470729851	70.58233264	0.308190052
22:30:00	57.74364558	14.78835159	14.30702823	0.055816496	9.726329305	9.421318699	0.205394773	69.29616891	0.464750425	69.69395129	0.304311031
23:00:00	57.02422558	14.56808177	14.09134078	0.054975027	9.57194532	9.267777856	0.202134585	68.41593733	0.458846953	68.81675152	0.300480834
23:30:00	56.31376874	14.35109282	13.87890495	0.054146244	9.420011839	9.116739295	0.198926145	67.54688684	0.45301847	67.95059259	0.296698846
24:00:00	55.61216337	14.13733589	13.66967173	0.053329955	9.270489966	8.968162236	0.195768632	66.68887543	0.447264022	67.09533552	0.292964459
24:30:00	54.91929921	13.92676283	13.46359282	0.052525973	9.123341423	8.822006562	0.192661237	65.84176288	0.44158267	66.25084311	0.289277075
25:00:00	54.23506735	13.71932622	13.26062069	0.05173411	8.978528538	8.678232812	0.189603166	65.00541073	0.435973485	65.41697986	0.285636102
25:30:00	53.55936024	13.51497934	13.06070849	0.050954186	8.836014238	8.536802167	0.186593635	64.17968231	0.430435551	64.593612	0.282040957
26:00:00	52.89207167	13.31367617	12.86381009	0.05018602	8.695762036	8.397676442	0.183631873	63.36444267	0.424967962	63.78060741	0.278491061
26:30:00	52.23309675	13.11537137	12.66988006	0.049429434	8.557736029	8.260818073	0.180717123	62.55955858	0.419569825	62.97783568	0.274985846
27:00:00	51.58233191	12.92002028	12.47887365	0.048684254	8.42190088	8.126190108	0.177848638	61.76489849	0.414240257	62.18516799	0.271524749
27:30:00	50.93967486	12.72757892	12.29074677	0.047950308	8.288221813	7.993756197	0.175025684	60.98033254	0.408978388	61.40247718	0.268107215
28:00:00	50.30502458	12.53800393	12.10545603	0.047227427	8.156664607	7.863480585	0.172247538	60.2057325	0.403783358	60.62963767	0.264732695
28:30:00	49.67828132	12.35125263	11.92295867	0.046515444	8.02719558	7.735328097	0.169513489	59.44097179	0.398654317	59.86652548	0.261400649
29:00:00	49.05934656	12.16728296	11.74321256	0.045814194	7.899781588	7.609264132	0.166822837	58.68592541	0.393590428	59.11301816	0.258110542
29:30:00	48.44812303	11.98605348	11.56617624	0.045123517	7.774390011	7.485254653	0.164174893	57.94046999	0.388590863	58.36899482	0.254861845
30:00:00	47.84451465	11.80752338	11.39180886	0.044443251	7.650988749	7.363266178	0.161568979	57.20448367	0.383654804	57.6343361	0.251654038
30:30:00	47.24842654	11.63165246	11.22007017	0.043773241	7.529546209	7.243265769	0.159004428	56.47784619	0.378781446	56.90892413	0.248486606
31:00:00	46.659765	11.4584011	11.05092055	0.043113332	7.410031301	7.125221028	0.156480585	55.76043879	0.373969991	56.19264253	0.24535904
31:30:00	46.07843752	11.28773029	10.88432097	0.042463372	7.292413428	7.009100082	0.153996801	55.05214423	0.369219653	55.48537637	0.24227084
32:00:00	45.50435272	11.11960159	10.72023299	0.041823209	7.176662479	6.894871579	0.151552442	54.35284675	0.364529656	54.78701218	0.239221509
32:30:00	44.93742036	10.95397714	10.55861873	0.041192698	7.06274882	6.782504678	0.149146882	53.66243206	0.359899234	54.09743793	0.236210558
33:00:00	44.37755133	10.79081963	10.39944091	0.040571692	6.95064329	6.671969039	0.146779505	52.98078734	0.35532763	53.41654297	0.233237505
33:30:00	43.82465763	10.63009232	10.24266279	0.039960049	6.840317186	6.563234818	0.144449704	52.30780118	0.350814096	52.74421806	0.230301871
34:00:00	43.27865235	10.47175902	10.08824821	0.039357626	6.731742266	6.456272658	0.142156885	51.6433636	0.346357895	52.08035534	0.227403187
34:30:00	42.73944968	10.31578406	9.936161517	0.038764285	6.624890733	6.351053678	0.139900458	50.987366	0.341958299	51.4248483	0.224540987
35:00:00	42.20696486	10.16213233	9.78636763	0.038179889	6.519735231	6.24754947	0.137679848	50.33970119	0.337614588	50.77759176	0.221714812
35:30:00	41.68111419	10.0107692	9.63883198	0.037604303	6.416248841	6.145732087	0.135494484	49.70026332	0.333326054	50.1384819	0.218924209
36:00:00	41.16181502	9.861660608	9.493520523	0.037037394	6.314405069	6.04557404	0.133343809	49.06894787	0.329091994	49.50741616	0.216168729

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	109.227	84.870	498.329	499.737
Sum Flow	119.811	85.379	505.779	507.695
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	4.90	3.170	27.486	27.592
00:30:00	5.08	3.273	27.776	27.883
01:00:00	5.90	3.737	29.069	29.184
01:30:00	7.61	4.696	31.766	31.896
02:00:00	10.59	6.329	36.420	36.577
02:30:00	14.86	8.759	43.352	43.551
03:00:00	20.65	11.943	53.574	53.836
03:30:00	28.63	16.138	68.361	68.708
04:00:00	39.73	21.716	89.531	89.991
04:30:00	55.01	29.193	119.319	119.933
05:00:00	73.74	39.102	158.475	159.291
05:30:00	93.04	51.038	204.299	205.365
06:00:00	109.13	63.507	252.308	253.648
06:30:00	118.30	74.599	298.612	300.229
07:00:00	119.81	82.301	342.198	344.065
07:30:00	115.45	85.379	383.101	385.158
08:00:00	107.42	84.399	420.929	423.090
08:30:00	97.66	80.530	454.964	457.146
09:00:00	86.92	74.897	482.943	485.080
09:30:00	75.52	68.442	501.238	503.280
10:00:00	63.97	61.488	505.779	507.695
10:30:00	52.77	54.156	495.720	497.489
11:00:00	43.02	46.711	474.805	476.420
11:30:00	35.44	39.405	447.080	448.539
12:00:00	29.95	32.640	415.224	416.528
12:30:00	26.11	27.042	381.696	382.847
13:00:00	23.40	22.732	348.569	349.577
13:30:00	21.48	19.550	316.948	317.825
14:00:00	20.15	17.175	286.812	287.571
14:30:00	19.25	15.435	258.024	258.679
15:00:00	18.67	14.163	231.162	231.733
15:30:00	18.32	13.246	206.722	207.227
16:00:00	18.04	12.597	184.406	184.861
16:30:00	17.77	12.149	164.191	164.609
17:00:00	17.51	11.853	146.346	146.736
17:30:00	17.25	11.655	131.335	131.704
18:00:00	16.99	11.470	119.368	119.721
18:30:00	16.74	11.288	110.054	110.396
19:00:00	16.49	11.109	102.891	103.225
19:30:00	16.24	10.932	97.404	97.732
20:00:00	16.00	10.759	93.205	93.530
20:30:00	15.76	10.588	89.990	90.311
21:00:00	15.53	10.420	87.523	87.839
21:30:00	15.30	10.255	85.622	85.934
22:00:00	15.07	10.092	84.151	84.459
22:30:00	14.84	9.932	82.984	83.289
23:00:00	14.62	9.774	81.880	82.181
23:30:00	14.41	9.619	80.791	81.088
24:00:00	14.19	9.466	79.716	80.009
24:30:00	13.98	9.316	78.656	78.945
25:00:00	13.77	9.168	77.610	77.896
25:30:00	13.57	9.023	76.578	76.860
26:00:00	13.36	8.879	75.560	75.839
26:30:00	13.16	8.738	74.556	74.831
27:00:00	12.97	8.600	73.565	73.837
27:30:00	12.78	8.463	72.587	72.856
28:00:00	12.59	8.329	71.623	71.888
28:30:00	12.40	8.197	70.671	70.933
29:00:00	12.21	8.067	69.733	69.991
29:30:00	12.03	7.939	68.806	69.061
30:00:00	11.85	7.813	67.893	68.144
30:30:00	11.68	7.689	66.991	67.240
31:00:00	11.50	7.567	66.102	66.347
31:30:00	11.33	7.446	65.224	65.467
32:00:00	11.16	7.328	64.359	64.598
32:30:00	11.00	7.212	63.504	63.741
33:00:00	10.83	7.097	62.662	62.895
33:30:00	10.67	6.985	61.830	62.061
34:00:00	10.51	6.874	61.010	61.237
34:30:00	10.35	6.765	60.201	60.425
35:00:00	10.20	6.657	59.402	59.624
35:30:00	10.05	6.552	58.615	58.833
36:00:00	9.90	6.448	57.837	58.054

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q24	386.11	108.54	109.2267	0.43	83.61	84.87024	1.77	498.32874	3.34	499.73742	2.18
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	40.64898573	9.714772958	9.350399728	0.036479032	6.214177841	5.947048286	0.13122727	48.44565168	0.324911717	48.8842933	0.213447931
37:00:00	40.14254571	9.570073172	9.209436568	0.035929088	6.1155415	5.850128223	0.129144327	47.83027289	0.32078454	48.26901335	0.210761378
37:30:00	39.64241535	9.427528664	9.070598517	0.035387434	6.018470792	5.754787683	0.127094447	47.22271091	0.316709788	47.66147759	0.20810864
38:00:00	39.14851604	9.28710733	8.933853537	0.034853947	5.922940867	5.661000923	0.125077103	46.62286647	0.312686796	47.06158855	0.20548929
38:30:00	38.66077016	9.148777547	8.799170074	0.034328501	5.828927269	5.568742623	0.12309178	46.03064152	0.308714905	46.46924999	0.202902908
39:00:00	38.17910104	9.01250816	8.666517049	0.033810978	5.736405929	5.477987872	0.12113797	45.44593929	0.304793468	45.88436688	0.20034908
39:30:00	37.70343296	8.878268482	8.535863851	0.033301256	5.64535316	5.388712167	0.119215173	44.86866421	0.300921842	45.30684536	0.197827395
40:00:00	37.23369117	8.746028279	8.407180333	0.032799219	5.555745653	5.300891403	0.117322895	44.29872195	0.297099395	44.7365928	0.19533745
40:30:00	36.76980182	8.61575777	8.280436799	0.03230475	5.467560468	5.214501869	0.115460654	43.73601935	0.293325503	44.17351769	0.192878844
41:00:00	36.31169201	8.487427617	8.155604004	0.031817735	5.380775027	5.12952024	0.113627971	43.18046445	0.289599548	43.61752971	0.190451183
41:30:00	35.85928972	8.361008918	8.032653142	0.031338063	5.295367113	5.045923571	0.111824378	42.63196647	0.285920923	43.06853964	0.188054077
42:00:00	35.41252385	8.236473203	7.911555842	0.030865622	5.211314862	4.963689291	0.110049413	42.09043576	0.282289024	42.52645941	0.185687143
42:30:00	34.97132417	8.113792425	7.792284159	0.030400303	5.128596754	4.882795198	0.108302622	41.55578382	0.27870326	41.99120205	0.18335
43:00:00	34.53562134	7.992938955	7.674810573	0.029941999	5.047191613	4.80321945	0.106583557	41.02792327	0.275163044	41.46268168	0.181042274
43:30:00	34.10534686	7.873885575	7.559107974	0.029490605	4.967078599	4.724940561	0.104891779	40.50676785	0.271667798	40.94081351	0.178763594
44:00:00	33.68043312	7.756605474	7.445149665	0.029046016	4.888237202	4.647937396	0.103226853	39.99223238	0.268216949	40.4255138	0.176513594
44:30:00	33.26081332	7.641072239	7.332909349	0.028608129	4.810647238	4.572189165	0.101588355	39.48423278	0.264809935	39.9166999	0.174291913
45:00:00	32.8462215	7.527259851	7.222361127	0.028176843	4.734288843	4.497675416	0.099975865	38.98268602	0.261446198	39.41429016	0.172098196
45:30:00	32.43719253	7.415142677	7.113479489	0.027752059	4.659142469	4.424376031	0.098388969	38.48751014	0.258125189	38.91820397	0.16993209
46:00:00	32.03306209	7.304695468	7.006239309	0.02733368	4.585188878	4.352271218	0.096827261	37.9986242	0.254846365	38.42836176	0.167793247
46:30:00	31.63396665	7.195893351	6.900615843	0.026921607	4.512409136	4.281341509	0.095290342	37.51594832	0.25160919	37.94468492	0.165681325
47:00:00	31.23984349	7.088711821	6.796584717	0.026515747	4.440784612	4.211567754	0.093777819	37.03940361	0.248413135	37.46709585	0.163595985
47:30:00	30.85063065	6.983126741	6.694121926	0.026116006	4.370296969	4.142931114	0.092289303	36.56891219	0.245257678	36.99551794	0.161536891
48:00:00	30.46626697	6.879114332	6.593203826	0.02572229	4.300928162	4.075413057	0.090824414	36.10439716	0.242142303	36.52987552	0.159503714
48:30:00	30.08669201	6.776651169	6.49380713	0.025334511	4.232660431	4.008995354	0.089382777	35.64578262	0.239066501	36.07009389	0.157496128
49:00:00	29.71184613	6.675714175	6.395908902	0.024952577	4.1654763	3.943660071	0.087964023	35.19299361	0.236029769	35.61609929	0.15551381
49:30:00	29.34167039	6.576280621	6.29948655	0.024576401	4.099358568	3.879389568	0.086567789	34.74595613	0.233031611	35.16781886	0.153556443
50:00:00	28.97610663	6.478328111	6.204517827	0.024205896	4.034290309	3.816166493	0.085193716	34.30459712	0.230071537	34.72518069	0.151623711
50:30:00	28.61509737	6.381834586	6.110980817	0.023840977	3.970254865	3.753973774	0.083841454	33.86884446	0.227149063	34.28811377	0.149715306
51:00:00	28.25858588	6.286778314	6.018853936	0.02348156	3.907235842	3.692794622	0.082510657	33.43862693	0.224263712	33.85654798	0.147830921
51:30:00	27.90651611	6.193137888	5.928115926	0.02312756	3.845217107	3.632612516	0.081200982	33.01387422	0.221415012	33.43041407	0.145970254
52:00:00	27.55883273	6.10089222	5.838745848	0.022778898	3.784182782	3.573411209	0.079912096	32.59451691	0.218602498	33.00964367	0.144133006
52:30:00	27.21548109	6.010020534	5.75072308	0.022435492	3.724117243	3.515174715	0.078643668	32.18048647	0.215825709	32.59416928	0.142318883
53:00:00	26.87640723	5.920502366	5.664027312	0.022097262	3.665005111	3.457887311	0.077395374	31.77171523	0.213084192	32.18392424	0.140527592
53:30:00	26.54155783	5.832317554	5.578638536	0.021764132	3.606831253	3.40153353	0.076166893	31.36813639	0.210377499	31.77884273	0.138758848
54:00:00	26.21088028	5.745446239	5.49453705	0.021436024	3.549580777	3.346098157	0.074957912	30.96968399	0.207705188	31.37885976	0.137012366
54:30:00	25.88432259	5.659868857	5.411703447	0.021112863	3.493239026	3.291566222	0.073768121	30.57629292	0.205066822	30.98391116	0.135287866
55:00:00	25.56183343	5.575566135	5.330118612	0.020794573	3.437791575	3.237923005	0.072597215	30.18789888	0.20246197	30.59393356	0.133585072
55:30:00	25.24336213	5.492519086	5.24976372	0.020481082	3.38322423	3.18515402	0.071444895	29.8044384	0.199890205	30.20886439	0.131903709
56:00:00	24.92885861	5.410709008	5.170620229	0.020172317	3.329523022	3.13324502	0.070310865	29.42584881	0.197351109	29.82864188	0.130243509
56:30:00	24.61827345	5.330117476	5.092669875	0.019868206	3.276674201	3.08133602	0.069194835	29.05206824	0.194844265	29.45320503	0.128604205
57:00:00	24.31155783	5.250726341	5.015894673	0.01956868	3.224664239	3.02942702	0.06809652	28.6830356	0.192369264	29.08249359	0.126985534
57:30:00	24.00866353	5.172517722	4.940276904	0.01927367	3.173479819	2.97751802	0.067015638	28.31869058	0.189925702	28.7164481	0.125387236
58:00:00	23.70954296	5.095474006	4.865799122	0.018983108	3.12310784	2.92560902	0.065951913	27.95897364	0.187513179	28.35500982	0.123809056
58:30:00	23.41414908	5.019577843	4.792444138	0.018696925	3.07273586	2.87370002	0.064888188	27.60382599	0.1851313	27.99812077	0.122250738
59:00:00	23.12243547	4.944812139	4.720195027	0.018415057	3.02236388	2.821791021	0.063824463	27.25318958	0.182779678	27.64572369	0.120712035
59:30:00	22.83435629	4.870046435	4.649035117	0.018137439	2.971991901	2.769882021	0.062760738	26.90700712	0.180457927	27.29776204	0.119192698
60:00:00	22.54986624	4.795280731	4.578947988	0.017864005	2.921619921	2.717973021	0.061697012	26.56522202	0.178165668	26.95417999	0.117692485
60:30:00	22.26892061	4.720515027	4.509917466	0.017594694	2.871247941	2.666064021	0.060633287	26.22777844	0.175902526	26.61492242	0.116211154
61:00:00	21.99147524	4.645749324	4.440886943	0.017325383	2.820875962	2.614155021	0.059569562	25.89462122	0.173668132	26.2799349	0.114748467
61:30:00	21.71748653	4.57098362	4.371856421	0.017056072	2.770503982	2.562246021	0.058505837	25.56569591	0.17146212	25.94916368	0.113304191
62:00:00	21.44691141	4.496217916	4.302825899	0.016786761	2.720132002	2.510337021	0.057442112	25.24094877	0.16928413	25.6225557	0.111878093
62:30:00	21.17970734	4.421452212	4.233795377	0.01651745	2.669760023	2.458428021	0.056378387	24.9203267	0.167133806	25.30005856	0.110469944
63:00:00	20.91583233	4.346686508	4.164764855	0.016248139	2.619388043	2.406519021	0.055314661	24.60377733	0.165010796	24.98162052	0.109079519
63:30:00	20.6552449	4.271920805	4.095734333	0.015978828	2.569016063	2.354610022	0.054250936	24.29124891	0.162914753	24.66719048	0.107706595
64:00:00	20.3979041	4.197155101	4.026703811	0.015709517	2.518644084	2.302701022	0.053187211	23.9787205	0.160818711	24.35276044	0.10633367
64:30:00	20.14376947	4.122389397	3.957673289	0.015440205	2.468272104	2.250792022	0.052123486	23.66619208	0.158722668	24.0383304	0.104960746
65:00:00	19.89280106	4.047623693	3.888642767	0.015170894	2.417900124	2.198883022	0.051059761	23.35366366	0.156626626	23.72390036	0.103587822
65:30:00	19.64495944	3.972857989	3.819612245	0.014901583	2.367528145	2.146974022	0.049996036	23.04113524	0.154530583	23.40947032	0.102214897
66:00:00	19.40020564	3.898092286	3.750581723	0.014632272	2.317156165	2.095065022	0.04893231	22.72860683	0.152434541	23.09504028	0.100841973
66:30:00	19.15545184	3.823326582	3.681551201	0.014362961	2.266784185	2.043156022	0.047868585	22.41607841	0.150338498	22.78061024	0.099469048
67:00:00	18.91069804	3.748560878	3.612520679	0.01409365	2.216412206	1.991247022	0.04680486	22.10354999	0.148242456	22.46618021	0.098096124
67:30:00	18.66594424	3.673795174	3.543490157	0.013824339	2.166040226	1.939338023	0.045741135	21.79102157	0.146146413	22.15175017	0.096723199
68:00:00	18.42119044	3.59902947	3.474459635	0.013555028	2.115668246	1.887429023	0.04467741	21.47849316	0.144050371	21.83732013	0.095350275
68:30:00	18.17643664	3.524263767	3.405429113	0.013285716	2.065296267	1.835520023	0.043613684	21.16596474	0.141954328	21.52289009	0.09397735
69:00:00	17.93168284	3.449498063	3.336398591	0.013016405	2.014924287	1.783611023	0.042549959	20.85343632	0.139858286	21.20846005	0.092604426
69:30:00	17.68692904	3.374732359	3.267368068	0.012747094	1.964552307	1.731702023	0.041486234	20.5409079	0.137762243	20.89403001	0.091231502
70:00:00	17.44217524	3.299966655	3.198337546	0.012477783	1.914180328	1.679793023	0.040422509	20.22837949	0.135666201	20.57959997	0.089858577
70:30:00	17.19742144	3.225200951	3.129307024	0.012208472	1.863808348	1.627884023	0.039358784	19.91585107	0.133570158	20.26516993	0.088485653
71:00:00	16.95266764	3.150435248	3.060276502	0.011939161	1.813436368	1.575975023	0.038295059	19.60332265	0.131474116	19.95073989	0.087112728
71:30:00	16.70791384	3.075669544	2.99124598	0.01166985	1.763064388	1.524066024	0.037231333	19.29079423	0.129378073	19.63630985	0.085739804
72:00:00	16.46316004	3.00090384	2.922215458	0.011400539	1.712692409	1.472157024	0.036167608	18.97826582	0.127282031	19.32187981	0.084366879
72:30:00	16.21840624	2.926138136	2.853184936	0.011131227	1.662320429	1.420248024	0.035103883	18.6657374	0.125185988	19.00744978	0.082993955

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	109.227	84.870	498.329	499.737
Sum Flow	119.811	85.379	505.779	507.695
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	9.75	6.345	57.071	57.284
37:00:00	9.61	6.245	56.314	56.525
37:30:00	9.46	6.146	55.568	55.776
38:00:00	9.32	6.048	54.831	55.037
38:30:00	9.18	5.952	54.105	54.308
39:00:00	9.05	5.858	53.388	53.588
39:30:00	8.91	5.765	52.680	52.878
40:00:00	8.78	5.673	51.983	52.178
40:30:00	8.65	5.583	51.294	51.487
41:00:00	8.52	5.494	50.615	50.805
41:30:00	8.39	5.407	49.945	50.133
42:00:00	8.27	5.321	49.284	49.469
42:30:00	8.14	5.237	48.631	48.814
43:00:00	8.02	5.154	47.987	48.168
43:30:00	7.90	5.072	47.352	47.531
44:00:00	7.79	4.991	46.726	46.902
44:30:00	7.67	4.912	46.108	46.282
45:00:00	7.56	4.834	45.498	45.670
45:30:00	7.44	4.758	44.896	45.066
46:00:00	7.33	4.682	44.302	44.470
46:30:00	7.22	4.608	43.716	43.882
47:00:00	7.12	4.535	43.138	43.302
47:30:00	7.01	4.463	42.568	42.729
48:00:00	6.90	4.392	42.005	42.165
48:30:00	6.80	4.322	41.450	41.607
49:00:00	6.70	4.253	40.902	41.057
49:30:00	6.60	4.186	40.361	40.515
50:00:00	6.50	4.119	39.828	39.980
50:30:00	6.41	4.054	39.302	39.452
51:00:00	6.31	3.990	38.783	38.931
51:30:00	6.22	3.926	38.271	38.417
52:00:00	6.12	3.864	37.765	37.909
52:30:00	6.03	3.803	37.267	37.409
53:00:00	5.94	3.742	36.774	36.915
53:30:00	5.85	3.683	36.289	36.428
54:00:00	5.77	3.625	35.810	35.947
54:30:00	5.68	3.567	35.337	35.473
55:00:00	5.60	3.510	34.871	35.005
55:30:00	5.51	3.455	34.411	34.543
56:00:00	5.43	3.400	33.957	34.087
56:30:00	5.35	3.346	33.509	33.638
57:00:00	5.27	3.293	33.067	33.194
57:30:00	5.19	3.240	32.631	32.756
58:00:00	5.11	3.189	32.201	32.324
58:30:00	5.04	3.138	31.775	31.897
59:00:00	4.96	3.086	31.355	31.475
59:30:00	4.89	3.035	30.938	31.057
60:00:00	4.81	2.983	30.524	30.642
60:30:00	4.74	2.932	30.115	30.231
61:00:00	4.66	2.880	29.709	29.823
61:30:00	4.59	2.829	29.306	29.419
62:00:00	4.51	2.778	28.907	29.019
62:30:00	4.44	2.726	28.511	28.621
63:00:00	4.36	2.675	28.118	28.228
63:30:00	4.29	2.623	27.729	27.837
64:00:00	4.21	2.572	27.343	27.450
64:30:00	4.14	2.520	26.961	27.066
65:00:00	4.06	2.469	26.581	26.685
65:30:00	3.99	2.418	26.205	26.307
66:00:00	3.91	2.366	25.831	25.932
66:30:00	3.84	2.315	25.458	25.558
67:00:00	3.76	2.263	25.085	25.183
67:30:00	3.69	2.212	24.711	24.808
68:00:00	3.61	2.160	24.338	24.434
68:30:00	3.54	2.109	23.965	24.059
69:00:00	3.46	2.057	23.592	23.684
69:30:00	3.39	2.006	23.218	23.309
70:00:00	3.31	1.955	22.845	22.935
70:30:00	3.24	1.903	22.472	22.560
71:00:00	3.16	1.852	22.098	22.185
71:30:00	3.09	1.800	21.725	21.811
72:00:00	3.01	1.749	21.352	21.436
72:30:00	2.94	1.697	20.978	21.061

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q24	386.11	108.54	109.2267	0.43	83.61	84.87024	1.77	498.32874	3.34	499.73742	2.18
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	15.97365244	2.851372432	2.784154414	0.010861916	1.611948449	1.368339024	0.034040158	18.35320898	0.123089946	18.69301974	0.08162103
73:30:00	15.72889864	2.776606729	2.715123892	0.010592605	1.56157647	1.316430024	0.032976433	18.04068056	0.120993903	18.3785897	0.080248106
74:00:00	15.48414484	2.701841025	2.64609337	0.010323294	1.51120449	1.264521024	0.031912708	17.72815215	0.118897861	18.06415966	0.078875181
74:30:00	15.23939104	2.627075321	2.577062848	0.010053983	1.46083251	1.212612024	0.030848982	17.41562373	0.116801818	17.74972962	0.077502257
75:00:00	14.99463724	2.552309617	2.508032326	0.009784672	1.410460531	1.160703024	0.029785257	17.10309531	0.114705776	17.43529958	0.076129333
75:30:00	14.74988344	2.477543914	2.439001804	0.009515361	1.360088551	1.108794024	0.028721532	16.79056689	0.112609733	17.12086954	0.074756408
76:00:00	14.50512964	2.40277821	2.369971282	0.00924605	1.309716571	1.056885025	0.027657807	16.47803847	0.110513691	16.8064395	0.073383484
76:30:00	14.26037584	2.328012506	2.30094076	0.008976738	1.259344592	1.004976025	0.026594082	16.16551006	0.108417648	16.49200946	0.072010559
77:00:00	14.01562204	2.253246802	2.231910238	0.008707427	1.208972612	0.953067025	0.025530357	15.85298164	0.106321606	16.17757942	0.070637635
77:30:00	13.77086824	2.178481098	2.162879716	0.008438116	1.158600632	0.901158025	0.024466631	15.54045322	0.104225563	15.86314938	0.06926471
78:00:00	13.52611444	2.103715395	2.093849193	0.008168805	1.108228653	0.849249025	0.023402906	15.2279248	0.102129521	15.54871935	0.067891786
78:30:00	13.28136064	2.028949691	2.024818671	0.007899494	1.057856673	0.797340025	0.022339181	14.91539639	0.100033478	15.23428931	0.066518861
79:00:00	13.03660684	1.954183987	1.955788149	0.007630183	1.007484693	0.745431025	0.021275456	14.60286797	0.097937436	14.91985927	0.065145937
79:30:00	12.79185304	1.879418283	1.886757627	0.007360872	0.957112714	0.693522025	0.020211731	14.29033955	0.095841393	14.60542923	0.063773013
80:00:00	12.54709924	1.804652579	1.817727105	0.007091561	0.906740734	0.641613026	0.019148005	13.97781113	0.093745351	14.29099919	0.062400088

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	109.227	84.870	498.329	499.737
Sum Flow	119.811	85.379	505.779	507.695
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	2.86	1.646	20.605	20.687
73:30:00	2.79	1.595	20.232	20.312
74:00:00	2.71	1.543	19.858	19.937
74:30:00	2.64	1.492	19.485	19.563
75:00:00	2.56	1.440	19.112	19.188
75:30:00	2.49	1.389	18.738	18.813
76:00:00	2.41	1.337	18.365	18.438
76:30:00	2.34	1.286	17.992	18.064
77:00:00	2.26	1.235	17.618	17.689
77:30:00	2.19	1.183	17.245	17.314
78:00:00	2.11	1.132	16.872	16.940
78:30:00	2.04	1.080	16.498	16.565
79:00:00	1.96	1.029	16.125	16.190
79:30:00	1.89	0.977	15.752	15.816
80:00:00	1.81	0.926	15.378	15.441

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q30	404.02	112.46	113.17614	0.44	87.54	88.85136	1.85	521.45022	3.50	522.92426	2.28
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	20.15239984	5.05404268	4.639722403	0.018101107	3.250514039	3.233793917	0.068642401	25.16101748	0.168748053	25.37151934	0.11078197
00:30:00	20.15239984	5.246700953	4.801819517	0.018733502	3.355236422	3.347402865	0.070853865	25.46127843	0.170761821	25.66317708	0.112055462
01:00:00	20.15239984	6.090387359	5.516308632	0.021520962	3.831542833	3.856413608	0.080912217	27.23502103	0.182657827	27.40715789	0.119670364
01:30:00	20.15239984	7.860355705	6.989364561	0.027267846	4.814874622	4.90692333	0.101677627	31.02406745	0.208069923	31.13735827	0.135957876
02:00:00	20.15239984	10.93763843	9.486231175	0.037008956	6.488417621	6.697801369	0.137018501	37.55858756	0.25189516	37.57153348	0.164052
02:30:00	20.33135327	15.34298118	12.89639178	0.050313132	8.980349583	9.304358479	0.189641622	47.84014222	0.320850731	47.69461823	0.208253345
03:00:00	21.53257817	21.32802312	17.32819314	0.067603069	12.24506588	12.69851915	0.258583937	63.05543494	0.422895532	62.72823641	0.273895998
03:30:00	24.13148365	29.57107958	23.16483186	0.090373746	16.54543561	17.1636079	0.349396559	83.56727913	0.560462853	83.0750191	0.362738003
04:00:00	28.63924731	41.04956161	30.95558432	0.120768074	22.26456164	23.0958429	0.470169623	111.0299812	0.744647674	110.3219345	0.481708686
04:30:00	35.75351442	56.83620472	41.55232545	0.1621095	29.93051249	31.05948084	0.632054562	147.9949361	0.992561502	147.0013802	0.641865482
05:00:00	46.42898873	76.18948398	55.67537329	0.217208227	40.08937527	41.61627511	0.846583317	196.9990202	1.321218473	195.638	0.854231974
05:30:00	61.28745032	96.12479171	72.57748531	0.283149011	52.32675695	54.2891	1.105004983	257.1203412	1.724435706	255.3570336	1.114988616
06:00:00	81.19727031	112.7267738	89.72248658	0.350037388	65.11066698	67.40826863	1.374967907	323.4596943	2.169355577	321.3344767	1.403071919
06:30:00	108.004397	122.1704932	103.8127034	0.40500803	76.4836455	78.8258321	1.615135628	389.8858245	2.614857439	387.6149876	1.692478536
07:00:00	143.5719592	123.706968	111.7655922	0.436034905	84.38007455	86.33105089	1.781887667	449.3832597	3.013890441	447.389921	1.953479258
07:30:00	187.4157092	119.18187	113.17614	0.441537923	87.53548	88.85136	1.848521622	494.1260142	3.313967841	493.0056968	2.152655565
08:00:00	236.264217	110.8796192	109.4998647	0.427195546	86.53106054	87.20027371	1.827310896	517.8152207	3.472844861	517.9961298	2.261773563
08:30:00	286.1235729	100.7860457	102.5435751	0.400056737	82.56370562	82.66068684	1.743530681	521.45022	3.497223805	522.92426	2.283291705
09:00:00	332.608472	89.69851153	93.89759151	0.366325867	76.78835035	76.44263476	1.621570201	509.3444246	3.416033551	511.9500997	2.235374232
09:30:00	370.5882235	77.92597199	84.44313113	0.329440859	70.17111259	69.47304137	1.481831354	485.98031	3.259336834	489.5054279	2.137372023
10:00:00	394.9144312	65.99470574	74.41517602	0.290318457	63.04133375	62.0124629	1.331268972	454.8445945	3.050518118	459.0332446	2.00431856
10:30:00	404.02408	54.42540939	64.02968174	0.249801175	55.52405683	54.18394211	1.172523639	419.2941663	2.812091133	423.8216462	1.850570959
11:00:00	400.3827458	44.36086917	53.82830003	0.210002177	47.89042119	46.29445007	1.011321113	382.2301478	2.563512912	386.9986651	1.689787431
11:30:00	387.1923111	36.54925699	44.39697418	0.173207425	40.40055741	38.65013148	0.853154674	344.7150276	2.311909276	349.7314789	1.52706433
12:00:00	366.9393022	30.88447801	36.76658519	0.143438729	33.46485091	31.79682645	0.706690595	307.2370993	2.060555076	312.5062496	1.36452443
12:30:00	341.9775575	26.93023939	31.08190532	0.121260894	27.72468201	26.1262293	0.585473161	270.3925517	1.813448786	275.828417	1.204374677
13:00:00	314.890766	24.13659991	26.96580176	0.105202599	23.3059988	21.88786874	0.492162066	236.1118971	1.583537825	241.5506523	1.054704559
13:30:00	287.3483138	22.16172721	24.05526437	0.093847621	20.04341218	18.81620306	0.423264724	204.8139864	1.37363131	210.1418538	0.917561468
14:00:00	259.8781203	20.79214244	21.94499706	0.085614763	17.60858392	16.61891967	0.371847485	176.7818747	1.185627614	181.8154401	0.793877275
14:30:00	232.6770434	19.86721402	20.41804004	0.079657594	15.82454044	15.01107862	0.334173128	152.6354959	1.023684465	157.1049235	0.685981501
15:00:00	206.6401927	19.26791957	19.33484865	0.075431703	14.52035398	13.84755087	0.306632103	133.155434	0.893037026	136.7810777	0.597239646
15:30:00	182.4946033	18.90555313	18.58818671	0.072518725	13.58027152	13.0200215	0.286780007	118.2409266	0.79300951	121.0941351	0.528744324
16:00:00	160.1841394	18.62395833	18.0964545	0.070600313	12.91490999	12.44540809	0.272729302	106.8955097	0.716918906	109.1250827	0.476482763
16:30:00	139.838688	18.34655784	17.78856418	0.06939913	12.45603674	12.0605868	0.263039093	98.35394694	0.659632984	100.0911718	0.437037177
17:00:00	121.795945	18.07328918	17.52039038	0.068352895	12.15198943	11.8172717	0.256618405	91.97947727	0.616881162	93.33335778	0.40752992
17:30:00	106.5997194	17.80409081	17.25625947	0.067322432	11.94937589	11.6246836	0.252339734	87.26305605	0.585249416	88.32051094	0.385641871
18:00:00	94.56247044	17.5389021	16.9961105	0.066307504	11.75970595	11.43523414	0.248334398	83.80713098	0.562071473	84.63589184	0.369553384
18:30:00	85.2892467	17.27766333	16.73988344	0.065307876	11.57304661	11.24887218	0.244392638	81.30581525	0.545295834	81.95785579	0.357860032
19:00:00	78.25371797	17.02031566	16.48751916	0.064323319	11.38935006	11.06554738	0.240513445	79.52616192	0.533360187	80.04092099	0.349489945
19:30:00	72.9617647	16.76680113	16.23895944	0.063353605	11.2085693	10.88521026	0.236695826	78.29207567	0.525083508	78.6992264	0.343631582
20:00:00	69.01021431	16.51706266	15.99414691	0.062398509	11.03065803	10.70781213	0.232938802	77.29757396	0.518413658	77.69563227	0.339249498
20:30:00	66.08072244	16.271044	15.75302508	0.061457812	10.85557071	10.53330508	0.229241414	76.31570487	0.51182853	76.7177197	0.33497955
21:00:00	63.9265963	16.02868975	15.51553831	0.060531297	10.68326251	10.36164201	0.225602713	75.34630793	0.505327051	75.75211559	0.330763345
21:30:00	62.35903295	15.78994531	15.28163181	0.05961875	10.51368932	10.19277656	0.222021768	74.38922472	0.498908156	74.798665	0.326600207
22:00:00	61.2347968	15.55475694	15.0512516	0.05871996	10.34680774	10.02666313	0.218497663	73.44429881	0.492570796	73.85721498	0.322489468
22:30:00	60.42283793	15.32307164	14.82434451	0.057834719	10.18257503	9.863256889	0.215029496	72.51137578	0.486313937	72.92761448	0.318430469
23:00:00	59.67003825	15.09483726	14.60085819	0.056962825	10.02094915	9.702513705	0.211616377	71.59030316	0.480136555	72.00971435	0.314422558
23:30:00	58.92661759	14.87000239	14.38074106	0.056104074	9.861888727	9.544390179	0.208257435	70.68093043	0.474037642	71.10336733	0.310465093
24:00:00	58.19245911	14.6485164	14.16394234	0.05525827	9.705353035	9.38884362	0.204951808	69.78310897	0.468016199	70.20842801	0.306557438
24:30:00	57.46744741	14.4303294	13.950412	0.054425217	9.551302002	9.23583203	0.201698651	68.89669204	0.462071243	69.3247528	0.302698966
25:00:00	56.75146852	14.21539225	13.74010076	0.053604722	9.399696188	9.085314095	0.198497131	68.02153479	0.456201803	68.45219993	0.29888906
25:30:00	56.04440992	14.00365656	13.5329601	0.052796597	9.250496782	8.937249177	0.195346428	67.15749419	0.45040692	67.5906294	0.295127106
26:00:00	55.34616046	13.79507463	13.32894221	0.052000655	9.103665586	8.791597299	0.192245735	66.30442902	0.444685645	66.739903	0.291412502
26:30:00	54.6566104	13.58959949	13.12800002	0.051216713	8.959165011	8.648319134	0.189194259	65.46219988	0.439037045	65.89988422	0.287744652
27:00:00	53.97565134	13.38718486	12.93008716	0.050444589	8.816958064	8.507375998	0.186191218	64.63066912	0.433460196	65.0704383	0.284122967
27:30:00	53.30317625	13.18778516	12.73515796	0.049684105	8.677008338	8.368729836	0.183235844	63.80970084	0.427954187	64.25143217	0.280546866
28:00:00	52.63907944	12.99135549	12.54316744	0.048935086	8.539280004	8.232343214	0.18032738	62.99916087	0.422518117	63.44273442	0.277015775
28:30:00	51.98325652	12.7978516	12.3540713	0.048197358	8.403737803	8.098179309	0.177465081	62.19891676	0.417151099	62.6442153	0.273529129
29:00:00	51.3356044	12.60722992	12.1678259	0.047470753	8.270347035	7.966201895	0.174648215	61.40883771	0.411852255	61.85574671	0.270086367
29:30:00	50.69602129	12.41944751	11.98438827	0.046755101	8.139073551	7.83637534	0.17187606	60.6287946	0.40662072	61.07720215	0.266686937
30:00:00	50.06440666	12.23446208	11.80371607	0.046050239	8.009883743	7.708664591	0.169147908	59.85865996	0.401455638	60.3084567	0.263330294
30:30:00	49.44066122	12.05223198	11.62576762	0.045356003	7.882744539	7.583035166	0.166463058	59.09830792	0.396356165	59.54938703	0.260015899
31:00:00	48.82468694	11.87271617	11.45050186	0.044672232	7.757623388	7.459453144	0.163820825	58.34761422	0.391321468	58.79987136	0.25674322
31:30:00	48.216387	11.69587421	11.27787834	0.04399877	7.634488258	7.337885161	0.161220532	57.60645617	0.386350724	58.05978943	0.253511733
32:00:00	47.61566579	11.52166628	11.10785723	0.043335461	7.513307627	7.218298391	0.158661512	56.87471265	0.38144312	57.32902252	0.250320919
32:30:00	47.02242887	11.35005315	10.94039929	0.042682152	7.394050471	7.100660547	0.156143111	56.15226408	0.376597856	56.60745336	0.247170267
33:00:00	46.43658301	11.18099616	10.77546589	0.042038691	7.276686258	6.984939868	0.153664684	55.43899237	0.371814138	55.8949662	0.244059269
33:30:00	45.85803612	11.01445724	10.61301896	0.041404932	7.161184943	6.871105108	0.151225597	54.73478097	0.367091185	55.19144674	0.240987428
34:00:00	45.28669727	10.85039889	10.45302102	0.040780726	7.047516956	6.759125533	0.148825225	54.03951478	0.362428225	54.49678208	0.237954251
34:30:00	44.72247665	10.68878417	10.29543515	0.040165931	6.935653198	6.648970908	0.146462953	53.35308018	0.357824496	53.81086079	0.23495925
35:00:00	44.16528557	10.52957666	10.14022499	0.039560405	6.825565029	6.540611492	0.144138177	52.67536498	0.353279246	53.13357282	0.232001946
35:30:00	43.61503646	10.37274052	9.987354718	0.038964007	6.717224267	6.434018027	0.141850302	52.00625844	0.348791731	52.46480951	0.229081864
36:00:00	43.07164283	10.21824043	9.836789062	0.0383766	6.610603174	6.329161735	0.139598742	51.34565119	0.344361219	51.80446355	0.226198536

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	113.176	88.851	521.450	522.924
Sum Flow	124.143	89.384	528.623	530.627
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	5.07	3.319	28.712	28.823
00:30:00	5.27	3.426	29.015	29.127
01:00:00	6.11	3.912	30.359	30.479
01:30:00	7.89	4.917	33.165	33.301
02:00:00	10.97	6.625	38.004	38.168
02:30:00	15.39	9.170	45.215	45.424
03:00:00	21.40	12.504	55.855	56.129
03:30:00	29.66	16.895	71.248	71.611
04:00:00	41.17	22.735	93.289	93.771
04:30:00	57.00	30.563	124.307	124.949
05:00:00	76.41	40.936	165.093	165.947
05:30:00	96.41	53.432	212.852	213.967
06:00:00	113.08	66.486	262.929	264.332
06:30:00	122.58	78.099	311.294	312.986
07:00:00	124.14	86.162	356.891	358.844
07:30:00	119.62	89.384	399.737	401.890
08:00:00	111.31	88.358	439.402	441.664
08:30:00	101.19	84.307	475.114	477.397
09:00:00	90.06	78.410	504.499	506.735
09:30:00	78.26	71.653	523.756	525.893
10:00:00	66.29	64.373	528.623	530.627
10:30:00	54.68	56.697	518.208	520.059
11:00:00	44.57	48.902	496.419	498.109
11:30:00	36.72	41.254	467.480	469.007
12:00:00	31.03	34.172	434.199	435.564
12:30:00	27.05	28.310	399.153	400.357
13:00:00	24.24	23.798	364.514	365.569
13:30:00	22.26	20.467	331.444	332.362
14:00:00	20.88	17.980	299.922	300.716
14:30:00	19.95	16.159	269.806	270.492
15:00:00	19.34	14.827	241.704	242.301
15:30:00	18.98	13.867	216.133	216.661
16:00:00	18.69	13.188	192.783	193.260
16:30:00	18.42	12.719	171.633	172.070
17:00:00	18.14	12.409	152.963	153.371
17:30:00	17.87	12.202	137.258	137.644
18:00:00	17.61	12.008	124.738	125.107
18:30:00	17.34	11.817	114.995	115.353
19:00:00	17.08	11.630	107.502	107.851
19:30:00	16.83	11.445	101.762	102.106
20:00:00	16.58	11.264	97.372	97.711
20:30:00	16.33	11.085	94.010	94.345
21:00:00	16.09	10.909	91.430	91.761
21:30:00	15.85	10.736	89.443	89.770
22:00:00	15.61	10.565	87.906	88.229
22:30:00	15.38	10.398	86.688	87.006
23:00:00	15.15	10.233	85.535	85.849
23:30:00	14.93	10.070	84.397	84.707
24:00:00	14.70	9.910	83.275	83.581
24:30:00	14.48	9.753	82.167	82.470
25:00:00	14.27	9.598	81.075	81.374
25:30:00	14.06	9.446	79.997	80.292
26:00:00	13.85	9.296	78.934	79.225
26:30:00	13.64	9.148	77.885	78.173
27:00:00	13.44	9.003	76.850	77.134
27:30:00	13.24	8.860	75.829	76.109
28:00:00	13.04	8.720	74.821	75.099
28:30:00	12.85	8.581	73.828	74.101
29:00:00	12.65	8.445	72.847	73.117
29:30:00	12.47	8.311	71.880	72.146
30:00:00	12.28	8.179	70.925	71.189
30:30:00	12.10	8.049	69.984	70.244
31:00:00	11.92	7.921	69.055	69.312
31:30:00	11.74	7.796	68.138	68.392
32:00:00	11.57	7.672	67.234	67.484
32:30:00	11.39	7.550	66.342	66.589
33:00:00	11.22	7.430	65.462	65.706
33:30:00	11.06	7.312	64.593	64.834
34:00:00	10.89	7.196	63.737	63.975
34:30:00	10.73	7.082	62.891	63.126
35:00:00	10.57	6.970	62.057	62.289
35:30:00	10.41	6.859	61.235	61.464
36:00:00	10.26	6.750	60.423	60.649

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q30	404.02	112.46	113.17614	0.44	87.54	88.85136	1.85	521.45022	3.50	522.92426	2.28
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	42.53501926	10.06604158	9.688493277	0.037798048	6.505674457	6.226014304	0.137382921	50.69343528	0.339986986	51.15242901	0.223351498
37:00:00	42.0050814	9.916109716	9.542433145	0.037228219	6.40241125	6.124547884	0.13520227	50.04950411	0.335668316	50.50860127	0.220540295
37:30:00	41.48174597	9.768411056	9.398574961	0.03666698	6.300787119	6.024735079	0.133056233	49.41375244	0.331404504	49.87287704	0.217764474
38:00:00	40.96493071	9.622912341	9.25688553	0.036114202	6.200776046	5.926548941	0.130944259	48.78607639	0.327194852	49.24515432	0.215023591
38:30:00	40.45455437	9.479580803	9.117332156	0.035569758	6.102352429	5.829962959	0.128865809	48.16637337	0.323038674	48.62533241	0.212317207
39:00:00	39.95053674	9.338384162	8.979882637	0.035033521	6.005491068	5.734951056	0.126820349	47.55454209	0.318935289	48.01331186	0.209644886
39:30:00	39.45279859	9.199290619	8.844505256	0.034505369	5.910167168	5.641487577	0.124807356	46.95048258	0.314884027	47.40899448	0.2070062
40:00:00	38.9612617	9.06226885	8.711168774	0.033985179	5.816356324	5.549547289	0.122826315	46.3540961	0.310884227	46.81228331	0.204400726
40:30:00	38.47584879	8.927287995	8.579842423	0.033472831	5.72403452	5.459105368	0.120876718	45.7652852	0.306935233	46.22308262	0.201828045
41:00:00	37.99648358	8.794317655	8.4504959	0.032968207	5.63317812	5.370137394	0.118958068	45.18395364	0.303036402	45.64129787	0.199287746
41:30:00	37.52309071	8.663327885	8.323099357	0.032471191	5.543763865	5.282619346	0.117069871	44.61000643	0.299187095	45.06683574	0.196779419
42:00:00	37.05559577	8.534289184	8.197623398	0.031981667	5.455768864	5.196527595	0.115211646	44.04334975	0.295386684	44.49960404	0.194302664
42:30:00	36.59392529	8.40717249	8.074039067	0.031499523	5.369170589	5.111838896	0.113382915	43.483891	0.291634547	43.93951179	0.191857082
43:00:00	36.1380067	8.281949177	7.952317848	0.031024648	5.28394687	5.028530383	0.111583212	42.93153876	0.287930072	43.3864691	0.189442282
43:30:00	35.68776833	8.158591042	7.832431652	0.030556932	5.200075889	4.946579563	0.109812075	42.38620274	0.284272653	42.84038727	0.187057875
44:00:00	35.24313942	8.037070305	7.714352817	0.030096267	5.117536175	4.86596431	0.108069051	41.84779384	0.280661692	42.30117867	0.18470348
44:30:00	34.80405008	7.917359597	7.598054094	0.029642547	5.036306597	4.786662857	0.106353694	41.31622405	0.277096599	41.76875679	0.182378718
45:00:00	34.37043129	7.799431958	7.483508648	0.029195667	4.956366358	4.708653794	0.104665564	40.7914065	0.273576791	41.24303622	0.180083216
45:30:00	33.9422149	7.68326083	7.370690046	0.028755524	4.877694994	4.631916058	0.103004229	40.27325542	0.270101694	40.72393261	0.177816607
46:00:00	33.51933359	7.56882005	7.259572256	0.028322016	4.800272365	4.55642893	0.101369265	39.76168613	0.266670739	40.21136267	0.175578526
46:30:00	33.10172091	7.456083845	7.150129636	0.027895044	4.724078648	4.482172028	0.099760252	39.25661504	0.263283365	39.70524417	0.173368615
47:00:00	32.6893112	7.345026825	7.042336933	0.027474509	4.649094338	4.409125304	0.098176778	38.75795958	0.259939019	39.2054959	0.171186519
47:30:00	32.28203965	7.235623979	6.936169273	0.027060313	4.575300239	4.337269034	0.096618439	38.26563827	0.256637155	38.7120377	0.169031887
48:00:00	31.87984223	7.127850669	6.831602157	0.026652362	4.502677458	4.266583819	0.095084835	37.77957066	0.253377233	38.22479038	0.166904375
48:30:00	31.48265574	7.021682623	6.728611456	0.026250561	4.431207403	4.197050573	0.093575573	37.2996773	0.25015872	37.74367578	0.164803641
49:00:00	31.09041774	6.917095931	6.627173404	0.025854817	4.360871777	4.128650522	0.092090268	36.82587976	0.246981089	37.26861671	0.162729347
49:30:00	30.70306658	6.814067039	6.527264595	0.025465039	4.291652574	4.061365198	0.090628538	36.35810061	0.243843823	36.79953695	0.160681162
50:00:00	30.32054137	6.712572743	6.428861974	0.025081138	4.223532072	3.995176435	0.08919001	35.89626341	0.240746407	36.33636124	0.158658755
50:30:00	29.94278199	6.612590186	6.331942835	0.024703024	4.156492833	3.930066361	0.087774316	35.44029268	0.237688336	35.87901527	0.156661804
51:00:00	29.56972906	6.514096852	6.236484813	0.02433061	4.090517694	3.866017397	0.086381093	34.99011389	0.23466911	35.42742566	0.154689987
51:30:00	29.20132394	6.417070558	6.14246588	0.023963811	4.025589765	3.80301225	0.085009984	34.54565349	0.231688236	34.98151997	0.152742989
52:00:00	28.83750873	6.321489453	6.049864342	0.023602541	3.961692423	3.741033909	0.083660638	34.10683882	0.228745226	34.54122665	0.150820496
52:30:00	28.47822625	6.227332011	5.95865883	0.023246718	3.898809309	3.68006564	0.08233271	33.67359817	0.2258396	34.10647506	0.148922201
53:00:00	28.12342001	6.134577028	5.868828299	0.022896259	3.836924327	3.62009098	0.08102586	33.24586075	0.222970882	33.67719545	0.147047798
53:30:00	27.77303426	6.043203613	5.78035202	0.022551084	3.776021632	3.561093739	0.079739754	32.82355664	0.220138604	33.25331895	0.145196988
54:00:00	27.42701391	5.953191188	5.693209576	0.022211112	3.716085632	3.503057985	0.078474061	32.40661683	0.217342303	32.83477755	0.143369472
54:30:00	27.08530459	5.864519483	5.607380859	0.021876266	3.657100984	3.44596805	0.077228459	31.99497318	0.214581522	32.4215041	0.141564959
55:00:00	26.74785257	5.777168526	5.522846065	0.021546467	3.599052587	3.389808519	0.076002628	31.58855842	0.21185581	32.01343231	0.139783158
55:30:00	26.41460482	5.691118646	5.439585685	0.021221641	3.54192558	3.33456423	0.074796254	31.18730612	0.20916472	31.61049668	0.138023784
56:00:00	26.08550895	5.606350463	5.357580508	0.020901711	3.485705338	3.280220266	0.073609029	30.79115071	0.206507814	31.21263259	0.136286553
56:30:00	25.76051325	5.522844888	5.276811611	0.020586605	3.430377468	3.225876302	0.072440648	30.40002745	0.203884658	30.8197762	0.134571189
57:00:00	25.43956662	5.440583112	5.197260356	0.020276249	3.375927806	3.171532339	0.071290813	30.01387242	0.201294822	30.43186448	0.132877415
57:30:00	25.12261862	5.359546611	5.118908386	0.019970571	3.322342412	3.117188375	0.070159229	29.6326225	0.198737883	30.04883519	0.131204959
58:00:00	24.80961943	5.279717134	5.041737621	0.019669502	3.269607568	3.0628444111	0.069045606	29.2562154	0.196213424	29.67062688	0.129553554
58:30:00	24.50051985	5.201076702	4.965730254	0.019372972	3.216872723	3.008500448	0.067931984	28.88458958	0.193721031	29.29717888	0.127922934
59:00:00	24.19527131	5.123607606	4.890868746	0.019080913	3.164137879	2.954156484	0.066818361	28.51768433	0.191260298	28.92843126	0.126312838
59:30:00	23.89382581	5.04613851	4.817135822	0.018793256	3.111403035	2.899812521	0.065704738	28.15543968	0.188830822	28.56432486	0.124723007
60:00:00	23.59613598	4.968669413	4.744514469	0.018509936	3.05866819	2.845468557	0.064591115	27.79779643	0.186432207	28.20480128	0.123153186
60:30:00	23.30215502	4.891200317	4.672987928	0.018230887	3.005933346	2.791124593	0.063477493	27.44469612	0.18406406	27.84980282	0.121603124
61:00:00	23.01183673	4.81373122	4.601461387	0.017951838	2.953198501	2.73678063	0.06236387	27.09608105	0.181725994	27.49927253	0.120072572
61:30:00	22.72513548	4.736262124	4.529934846	0.017672789	2.900463657	2.682436666	0.061250247	26.75189426	0.179417628	27.15315418	0.118561284
62:00:00	22.4420062	4.658793027	4.458408305	0.01739374	2.847728813	2.628092702	0.060136624	26.41207948	0.177138583	26.81139223	0.117069018
62:30:00	22.16240438	4.581323931	4.386881764	0.017114691	2.794993968	2.573748739	0.059023002	26.07658118	0.174888488	26.47393185	0.115595534
63:00:00	21.88628609	4.503854834	4.315355223	0.016835642	2.742259124	2.519404775	0.057909379	25.74534453	0.172666974	26.14071891	0.114140596
63:30:00	21.61360792	4.426385738	4.243828682	0.016556593	2.689524279	2.465060812	0.056795756	25.41831541	0.17047368	25.81169993	0.11270397
64:00:00	21.344327	4.348916641	4.172302141	0.016277544	2.636789435	2.410716848	0.055682133	25.09128628	0.168280385	25.48268095	0.111267345
64:30:00	21.07840102	4.271447545	4.1007756	0.015998495	2.584054591	2.356372884	0.054568511	24.76425716	0.16608709	25.15366197	0.10983072
65:00:00	20.81578817	4.193978448	4.029249059	0.015719446	2.531319746	2.302028921	0.053454888	24.43722803	0.163893795	24.82464299	0.108394094
65:30:00	20.55644718	4.116509352	3.957722518	0.015440397	2.478584902	2.247684957	0.052341265	24.11019891	0.161700501	24.49562401	0.106957469
66:00:00	20.30033728	4.039040255	3.886195977	0.015161349	2.425850057	2.193340993	0.051227643	23.78316978	0.159507206	24.16660503	0.105520843
66:30:00	20.04422738	3.961571159	3.814669436	0.0148823	2.373115213	2.13899703	0.05011402	23.45614066	0.157313911	23.83758606	0.104084218
67:00:00	19.78811748	3.884102062	3.743142895	0.014603251	2.320380369	2.084653066	0.049000397	23.12911153	0.155120616	23.50856708	0.102647592
67:30:00	19.53200759	3.806632966	3.671616354	0.014324202	2.267645524	2.030309103	0.047886774	22.8020824	0.152927321	23.1795481	0.101210967
68:00:00	19.27589769	3.729163869	3.600089814	0.014045153	2.21491068	1.975965139	0.046773152	22.47505328	0.150734027	22.85052912	0.099774341
68:30:00	19.01978779	3.651694773	3.528563273	0.013766104	2.162175836	1.921621175	0.045659529	22.14802415	0.148540732	22.52151014	0.098337716
69:00:00	18.76367789	3.574225676	3.457036732	0.013487055	2.109440991	1.867277212	0.044545906	21.82099503	0.146347437	22.19249116	0.09690109
69:30:00	18.50756799	3.49675658	3.385510191	0.013208006	2.056706147	1.812933248	0.043432283	21.4939659	0.144154142	21.86347218	0.095464465
70:00:00	18.25145809	3.419287484	3.31398365	0.012928957	2.003971302	1.7585892884	0.042318661	21.16693678	0.141960848	21.53445321	0.094027839
70:30:00	17.9953482	3.341818387	3.242457109	0.012649908	1.951236458	1.704245321	0.041205038	20.83990765	0.139767553	21.20543423	0.092591214
71:00:00	17.7392383	3.264349291	3.170930568	0.012370859	1.898501614	1.649901357	0.040091415	20.51287852	0.137574258	20.87641525	0.091154589
71:30:00	17.4831284	3.186880194	3.099404027	0.01209181	1.845766769	1.595557393	0.038977793	20.1858494	0.135380963	20.54739627	0.089717963
72:00:00	17.2270185	3.109411098	3.027877486	0.011812761	1.793031925	1.54121343	0.03786417	19.85882027	0.133187668	20.21837729	0.088281338
72:30:00	16.9709086	3.031942001	2.956350945	0.011533712	1.74029708	1.486869466	0.036750547	19.53179115	0.130994374	19.88935831	0.086844712

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	113.176	88.851	521.450	522.924
Sum Flow	124.143	89.384	528.623	530.627
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	10.10	6.643	59.622	59.845
37:00:00	9.95	6.538	58.832	59.052
37:30:00	9.81	6.434	58.052	58.270
38:00:00	9.66	6.332	57.283	57.498
38:30:00	9.52	6.231	56.524	56.736
39:00:00	9.37	6.132	55.775	55.985
39:30:00	9.23	6.035	55.036	55.243
40:00:00	9.10	5.939	54.308	54.512
40:30:00	8.96	5.845	53.588	53.790
41:00:00	8.83	5.752	52.879	53.078
41:30:00	8.70	5.661	52.179	52.376
42:00:00	8.57	5.571	51.488	51.683
42:30:00	8.44	5.483	50.807	50.999
43:00:00	8.31	5.396	50.134	50.324
43:30:00	8.19	5.310	49.471	49.658
44:00:00	8.07	5.226	48.817	49.001
44:30:00	7.95	5.143	48.171	48.353
45:00:00	7.83	5.061	47.534	47.714
45:30:00	7.71	4.981	46.905	47.083
46:00:00	7.60	4.902	46.285	46.460
46:30:00	7.48	4.824	45.673	45.846
47:00:00	7.37	4.747	45.069	45.240
47:30:00	7.26	4.672	44.473	44.642
48:00:00	7.15	4.598	43.885	44.052
48:30:00	7.05	4.525	43.306	43.470
49:00:00	6.94	4.453	42.733	42.896
49:30:00	6.84	4.382	42.169	42.329
50:00:00	6.74	4.313	41.612	41.770
50:30:00	6.64	4.244	41.062	41.219
51:00:00	6.54	4.177	40.520	40.674
51:30:00	6.44	4.111	39.985	40.137
52:00:00	6.35	4.045	39.457	39.608
52:30:00	6.25	3.981	38.936	39.085
53:00:00	6.16	3.918	38.422	38.569
53:30:00	6.07	3.856	37.915	38.060
54:00:00	5.98	3.795	37.414	37.558
54:30:00	5.89	3.734	36.921	37.062
55:00:00	5.80	3.675	36.433	36.573
55:30:00	5.71	3.617	35.953	36.091
56:00:00	5.63	3.559	35.479	35.615
56:30:00	5.54	3.503	35.011	35.145
57:00:00	5.46	3.447	34.549	34.682
57:30:00	5.38	3.393	34.093	34.225
58:00:00	5.30	3.339	33.644	33.773
58:30:00	5.22	3.285	33.199	33.327
59:00:00	5.14	3.231	32.760	32.886
59:30:00	5.06	3.177	32.325	32.449
60:00:00	4.99	3.123	31.893	32.016
60:30:00	4.91	3.069	31.465	31.587
61:00:00	4.83	3.016	31.041	31.161
61:30:00	4.75	2.962	30.620	30.739
62:00:00	4.68	2.908	30.203	30.320
62:30:00	4.60	2.854	29.790	29.905
63:00:00	4.52	2.800	29.380	29.494
63:30:00	4.44	2.746	28.973	29.086
64:00:00	4.37	2.692	28.570	28.682
64:30:00	4.29	2.639	28.171	28.280
65:00:00	4.21	2.585	27.774	27.883
65:30:00	4.13	2.531	27.381	27.488
66:00:00	4.05	2.477	26.991	27.097
66:30:00	3.98	2.423	26.601	26.705
67:00:00	3.90	2.369	26.211	26.314
67:30:00	3.82	2.316	25.821	25.923
68:00:00	3.74	2.262	25.432	25.531
68:30:00	3.67	2.208	25.042	25.140
69:00:00	3.59	2.154	24.652	24.749
69:30:00	3.51	2.100	24.262	24.357
70:00:00	3.43	2.046	23.872	23.966
70:30:00	3.35	1.992	23.482	23.575
71:00:00	3.28	1.939	23.092	23.183
71:30:00	3.20	1.885	22.702	22.792
72:00:00	3.12	1.831	22.312	22.401
72:30:00	3.04	1.777	21.922	22.009

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q30	404.02	112.46	113.17614	0.44	87.54	88.85136	1.85	521.45022	3.50	522.92426	2.28
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	16.71479871	2.954472905	2.884824404	0.011254664	1.687562236	1.432525503	0.035636924	19.20476202	0.128801079	19.56033933	0.085408087
73:30:00	16.45868881	2.877003808	2.813297863	0.010975615	1.634827392	1.378181539	0.034523302	18.8777329	0.126607784	19.23132035	0.083971461
74:00:00	16.20257891	2.799534712	2.741771322	0.010696566	1.582092547	1.323837575	0.033409679	18.55070377	0.124414489	18.90230138	0.082534836
74:30:00	15.94646901	2.722065615	2.670244781	0.010417517	1.529357703	1.269493612	0.032296056	18.22367465	0.122221195	18.5732824	0.08109821
75:00:00	15.69035911	2.644596519	2.59871824	0.010138468	1.476622858	1.215149648	0.031182433	17.89664552	0.1200279	18.24426342	0.079661585
75:30:00	15.43424922	2.567127422	2.5271917	0.009859419	1.423888014	1.160805684	0.030068811	17.56961639	0.117834605	17.91524444	0.078224959
76:00:00	15.17813932	2.489658326	2.455665159	0.00958037	1.37115317	1.106461721	0.028955188	17.24258727	0.11564131	17.58622546	0.076788334
76:30:00	14.92202942	2.412189229	2.384138618	0.009301321	1.318418325	1.052117757	0.027841565	16.91555814	0.113448015	17.25720648	0.075351709
77:00:00	14.66591952	2.334720133	2.312612077	0.009022272	1.265683481	0.997773794	0.026727943	16.58852902	0.111254721	16.9281875	0.073915083
77:30:00	14.40980962	2.257251036	2.241085536	0.008743223	1.212948636	0.94342983	0.02561432	16.26149989	0.109061426	16.59916853	0.072478458
78:00:00	14.15369972	2.17978194	2.169558995	0.008464174	1.160213792	0.889085866	0.024500697	15.93447077	0.106868131	16.27014955	0.071041832
78:30:00	13.89758983	2.102312843	2.098032454	0.008185125	1.107478948	0.834741903	0.023387074	15.60744164	0.104674836	15.94113057	0.069605207
79:00:00	13.64147993	2.024843747	2.026505913	0.007906076	1.054744103	0.780397939	0.022273452	15.28041251	0.102481542	15.61211159	0.068168581
79:30:00	13.38537003	1.94737465	1.954979372	0.007627028	1.002009259	0.726053975	0.021159829	14.95338339	0.100288247	15.28309261	0.066731956
80:00:00	13.12926013	1.869905554	1.883452831	0.007347979	0.949274415	0.671710012	0.020046206	14.62635426	0.098094952	14.95407363	0.06529533

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	113.176	88.851	521.450	522.924
Sum Flow	124.143	89.384	528.623	530.627
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	2.97	1.723	21.533	21.618
73:30:00	2.89	1.669	21.143	21.227
74:00:00	2.81	1.616	20.753	20.835
74:30:00	2.73	1.562	20.363	20.444
75:00:00	2.65	1.508	19.973	20.053
75:30:00	2.58	1.454	19.583	19.661
76:00:00	2.50	1.400	19.193	19.270
76:30:00	2.42	1.346	18.803	18.879
77:00:00	2.34	1.292	18.413	18.487
77:30:00	2.27	1.239	18.023	18.096
78:00:00	2.19	1.185	17.634	17.705
78:30:00	2.11	1.131	17.244	17.313
79:00:00	2.03	1.077	16.854	16.922
79:30:00	1.96	1.023	16.464	16.531
80:00:00	1.88	0.969	16.074	16.139

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q50	431.84	121.54	122.30922	0.48	97.16	98.6232	2.05	557.34936	3.74	558.92488	2.44
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	21.53978793	5.461893452	5.014138388	0.019561829	3.608004382	3.589445386	0.076191667	26.89322289	0.18036548	27.1182167	0.118408733
00:30:00	21.53978793	5.670098849	5.189316402	0.020245257	3.724244094	3.715549005	0.078646347	27.21415524	0.182517885	27.42995357	0.119769898
01:00:00	21.53978793	6.581869	5.961463309	0.02325766	4.25293451	4.280540563	0.089810913	29.11001081	0.19523287	29.2939984	0.127909047
01:30:00	21.53978793	8.494670124	7.5533918	0.029468304	5.344412768	5.446584959	0.112860095	33.1599134	0.222394457	33.28100371	0.14531787
02:00:00	21.53978793	11.82028319	10.25175038	0.039995502	7.202011412	7.434423108	0.152087746	40.14430129	0.269236834	40.15813847	0.175346128
02:30:00	21.73106137	16.58112797	13.93710387	0.054373297	9.968005138	10.32764841	0.210498338	51.1336876	0.342939638	50.97814504	0.222590506
03:00:00	23.01498437	23.0491504	18.72654242	0.073058497	13.59177374	14.09509764	0.287022904	67.39647422	0.452009693	67.04674976	0.292752315
03:30:00	25.79281099	31.95740444	25.03418579	0.09766672	18.36509655	19.0512552	0.387823064	89.32045237	0.59904781	88.7943028	0.387710631
04:00:00	30.61091077	44.36217618	33.45363584	0.130513807	24.71320997	25.63591524	0.521878705	118.6738189	0.7959128	117.9170268	0.514871827
04:30:00	38.21495824	61.42276868	44.90551202	0.175191401	33.22225928	34.47539115	0.701567691	158.183619	1.060894207	157.1216619	0.686054587
05:00:00	49.62538352	82.33781748	60.16826056	0.234736481	44.49839007	46.19321779	0.93969024	210.5613799	1.412177504	209.1066604	0.913041409
05:30:00	65.50677303	103.8818632	78.434338	0.30599855	58.08163449	60.25979532	1.226533026	274.8217416	1.84315415	272.9370395	1.191749792
06:00:00	86.78728075	121.8235908	96.96290535	0.37828468	72.27151427	74.8218053	1.526186373	345.7282147	2.318704444	343.4566869	1.499666136
06:30:00	115.4399389	132.0293989	112.1901734	0.437691339	84.89528879	87.49506822	1.792767652	416.727439	2.794876796	414.3002668	1.808996895
07:00:00	153.456143	133.689864	120.7848439	0.471222019	93.66016422	95.82570821	1.97785902	480.3209637	3.221381148	478.190394	2.087966162
07:30:00	200.3183076	128.7996	122.30922	0.477169119	97.1626	98.6232	2.051821352	528.1440245	3.542117319	526.9465791	2.300854723
08:00:00	252.5297815	119.8273747	118.3362769	0.461669341	96.04771486	96.79052784	2.028277878	553.4641099	3.711932196	553.6574736	2.417484928
08:30:00	305.8216951	108.9192707	110.8186292	0.432340486	91.6440317	91.75167888	1.935283546	557.34936	3.737989505	558.92488	2.440484483
09:00:00	355.5068382	96.93699556	101.4749326	0.395887605	85.23350497	84.84976771	1.799909898	544.4101435	3.651209724	547.1952057	2.389268141
09:30:00	396.1012983	84.21443647	91.25751684	0.356026054	77.88850583	77.11366099	1.644802623	519.4375309	3.483725251	523.2053349	2.284518988
10:00:00	422.1022392	71.32034175	80.42032654	0.313746555	69.97459653	68.83257083	1.477681446	486.158283	3.26053045	490.6352999	2.142305486
10:30:00	431.83904	58.81742716	69.19674439	0.269959612	61.63057225	60.1430722	1.301477359	448.1603925	3.005689006	452.9995659	1.977973161
11:00:00	427.9470189	47.9406994	58.17213231	0.226948918	53.15739216	51.38589672	1.122545838	408.5447087	2.739997465	413.6415137	1.806120522
11:30:00	413.8484912	39.4987063	47.97971801	0.187184905	44.84379591	42.90085877	0.946984312	368.4468673	2.471072225	373.8086752	1.63219478
12:00:00	392.2011678	33.37679139	39.73357243	0.155013937	37.14530294	35.29382977	0.784412168	328.3887782	2.202413593	334.0206822	1.458464851
12:30:00	365.5209366	29.10345391	33.59015068	0.131046397	30.77383237	28.99958242	0.649863284	289.0076749	1.938295319	294.8177713	1.287289619
13:00:00	336.5693601	26.08437351	29.14188609	0.113692231	25.869184	24.29508852	0.54628987	252.3669752	1.692556182	258.1801605	1.127315491
13:30:00	307.1307531	23.95013268	25.99647437	0.101420929	22.2477793	20.88560218	0.469815223	218.9143659	1.468198693	224.6090293	0.980730811
14:00:00	277.7693795	22.47002526	23.71591286	0.092523697	19.54516952	18.44666236	0.412743135	188.9523888	1.267251919	194.3324891	0.848531603
14:30:00	248.6956497	21.47045702	22.06573357	0.086085797	17.56491759	16.66199155	0.370925366	163.1436572	1.094159825	167.9207817	0.733207765
15:00:00	220.866297	20.82280075	20.89513088	0.081518885	16.11729718	15.37049944	0.340355389	142.3224943	0.954517988	146.1977446	0.638356495
15:30:00	195.0584091	20.43119209	20.08821486	0.078370836	15.07382481	14.45195869	0.318319967	126.3812005	0.847604097	129.4308375	0.565145625
16:00:00	171.2119856	20.12687318	19.55680089	0.076297612	14.33528705	13.8141495	0.302723971	114.2547105	0.76627505	116.6377781	0.509286127
16:30:00	149.4658556	19.82708705	19.22406445	0.074999496	13.82594709	13.38700571	0.291968036	105.1251055	0.70504529	106.9819292	0.467124917
17:00:00	130.1809634	19.53176617	18.93424958	0.073868832	13.48846078	13.11693091	0.284841203	98.31178667	0.659350227	99.75887482	0.435586238
17:30:00	113.9385566	19.24084405	18.64880385	0.072755213	13.26356387	12.90316204	0.280091965	93.27066434	0.6255408	94.40091951	0.412191311
18:00:00	101.0726055	18.95425516	18.3676614	0.071658382	13.0530341	12.692877	0.275646124	89.57681677	0.600767176	90.46263352	0.394995215
18:30:00	91.16096847	18.67193496	18.09075735	0.070578087	12.84584603	12.48601901	0.271270851	86.90329844	0.582836621	87.60022859	0.382496837
19:00:00	83.64108011	18.39381986	17.8180278	0.069514078	12.64194661	12.28253223	0.266965025	85.00112522	0.570079266	85.55132279	0.373550513
19:30:00	77.98480334	18.11984724	17.54940982	0.068466109	12.44128364	12.0823617	0.262727546	83.68207855	0.561232781	84.11725949	0.367288832
20:00:00	73.76120922	17.8499554	17.28484142	0.06743394	12.24380576	11.88545338	0.258557326	82.61911056	0.554103746	83.04457312	0.362605064
20:30:00	70.63003705	17.58408354	17.02426156	0.066417331	12.04946239	11.69175411	0.2544533	81.56964488	0.547065267	81.99933635	0.358041152
21:00:00	68.32761051	17.3221718	16.76761011	0.065416047	11.8582038	11.5012116	0.250414416	80.53351	0.540116194	80.9672554	0.353534683
21:30:00	66.65212857	17.06416118	16.51482783	0.064429859	11.66998102	11.31377439	0.246439641	79.51053657	0.533255392	79.9481647	0.349084935
22:00:00	65.4504946	16.80999359	16.26585641	0.063458539	11.48474586	11.12939187	0.242527956	78.50055742	0.526481738	78.94190073	0.344691193
22:30:00	64.58263657	16.55961178	16.02063839	0.062501861	11.3024509	10.94801427	0.238678361	77.50340748	0.519794127	77.94830206	0.340352753
23:00:00	63.77801054	16.31295936	15.77911719	0.061559606	11.12304947	10.76959261	0.234889869	76.5189238	0.513191464	76.96720927	0.336068918
23:30:00	62.98340923	16.06998078	15.54123707	0.060631557	10.94649563	10.59407871	0.231161511	75.54694548	0.506672672	75.99846497	0.331839002
24:00:00	62.19870775	15.83062132	15.30694314	0.059717498	10.7727442	10.4214252	0.227492333	74.58731367	0.500236684	75.04191372	0.327662326
24:30:00	61.42378276	15.59482708	15.07618134	0.058817219	10.60175069	10.25158545	0.223881395	73.63987154	0.493882449	74.09740206	0.323538219
25:00:00	60.65851245	15.36254495	14.84889842	0.057930512	10.43347133	10.08451361	0.220327773	72.70446426	0.487608929	73.16477845	0.319466019
25:30:00	59.90277653	15.13372263	14.62504194	0.057057173	10.26786303	9.920164565	0.216830556	71.78093895	0.481415097	72.24389327	0.315445075
26:00:00	59.15645622	14.90830857	14.40456023	0.056197001	10.10488339	9.758493947	0.21338885	70.86914467	0.475299943	71.33459877	0.31147474
26:30:00	58.41943422	14.68625201	14.18740242	0.055349795	9.944490695	9.599458102	0.210001774	69.96893243	0.469262466	70.43674906	0.307554377
27:00:00	57.69159466	14.46750294	13.9735184	0.054515362	9.78664388	9.443014091	0.20666846	69.08015509	0.46330168	69.5502001	0.303683357
27:30:00	56.97282316	14.2520121	13.76285882	0.053693509	9.631302534	9.289119675	0.203388055	68.20266741	0.45741661	68.67480964	0.299861061
28:00:00	56.26300673	14.03973096	13.55537506	0.052884046	9.478426888	9.137733303	0.200159719	67.33632597	0.451606296	67.81043725	0.296086873
28:30:00	55.5620338	13.83061171	13.35101925	0.052086785	9.327977806	8.9888141	0.196982625	66.4809892	0.445869786	66.95694424	0.292360189
29:00:00	54.8697942	13.62460725	13.14974424	0.051301544	9.17991677	8.842321859	0.193855961	65.63651731	0.440206144	66.11419369	0.288680411
29:30:00	54.18617912	13.42167119	12.95150357	0.050528141	9.034205877	8.698217027	0.190778926	64.80277229	0.434614445	65.28205037	0.285046948
30:00:00	53.51108109	13.22175782	12.7562515	0.049766398	8.890807821	8.556460697	0.187750733	63.97961788	0.429093774	64.46038079	0.281459217
30:30:00	52.84439403	13.02482213	12.56394298	0.049016138	8.749685893	8.417014593	0.184770605	63.16691955	0.423643229	63.64905312	0.277916643
31:00:00	52.18601312	12.83081976	12.37453364	0.048277189	8.610803964	8.279841067	0.181837779	62.36454449	0.418261919	62.84793718	0.274418658
31:30:00	51.53583488	12.63970703	12.18797976	0.04754938	8.474126478	8.14490308	0.178951507	61.57236156	0.412948965	62.05690446	0.2709647
32:00:00	50.89375713	12.45144088	12.00423829	0.046832543	8.339618446	8.012164202	0.176111047	60.7902413	0.407703499	61.27582803	0.267554215
32:30:00	50.25967893	12.26597892	11.82326685	0.046126513	8.207245431	7.881588591	0.173315673	60.01805588	0.402524662	60.50458259	0.264186656
33:00:00	49.63350063	12.08327938	11.64502366	0.045431127	8.076973545	7.753140994	0.17056467	59.25567912	0.39741161	59.74304439	0.260861483
33:30:00	49.01512379	11.90330112	11.4694676	0.044746224	7.948769438	7.626786729	0.167857333	58.50298642	0.392363507	58.99109126	0.257578161
34:00:00	48.40445122	11.7260036	11.29655816	0.044071646	7.822600288	7.502491681	0.165192968	57.75985477	0.387379526	58.24860255	0.254336165
34:30:00	47.80138694	11.5513469	11.12625544	0.043407239	7.698433794	7.380222291	0.162570895	57.02616271	0.382458854	57.51545915	0.251134975
35:00:00	47.20583615	11.37929168	10.95852014	0.042752847	7.576238169	7.259945546	0.159990441	56.30179034	0.377600687	56.79154341	0.247974076
35:30:00	46.61770525	11.20979919	10.79331355	0.042108321	7.455982129	7.141628971	0.157450946	55.58661929	0.372804231	56.07673922	0.244852961
36:00:00	46.03690178	11.04283126	10.63059756	0.041473512	7.337634888	7.025240622	0.154951761	54.88053266	0.368068701	55.37093187	0.24177113

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	122.309	98.623	557.349	558.925
Sum Flow	134.161	99.214	568.449	570.591
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	5.48	3.684	30.886	31.004
00:30:00	5.69	3.803	31.216	31.335
01:00:00	6.61	4.343	32.683	32.811
01:30:00	8.52	5.457	35.744	35.889
02:00:00	11.86	7.354	41.023	41.199
02:30:00	16.64	10.179	48.888	49.111
03:00:00	23.12	13.879	60.468	60.761
03:30:00	32.06	18.753	77.200	77.588
04:00:00	44.49	25.235	101.135	101.649
04:30:00	61.60	33.924	134.798	135.484
05:00:00	82.57	45.438	179.048	179.961
05:30:00	104.19	59.308	230.846	232.038
06:00:00	122.20	73.798	285.106	286.605
06:30:00	132.47	86.688	337.390	339.199
07:00:00	134.16	95.638	386.477	388.565
07:30:00	129.28	99.214	432.352	434.652
08:00:00	120.29	98.076	474.607	477.024
08:30:00	109.35	93.579	512.491	514.931
09:00:00	97.33	87.033	543.524	545.914
09:30:00	84.57	79.533	563.689	565.973
10:00:00	71.63	71.452	568.449	570.591
10:30:00	59.09	62.932	556.864	558.842
11:00:00	48.17	54.280	533.135	534.941
11:30:00	39.69	45.791	501.796	503.428
12:00:00	33.53	37.930	465.865	467.324
12:30:00	29.23	31.424	428.117	429.405
13:00:00	26.20	26.415	390.875	392.003
13:30:00	24.05	22.718	355.368	356.349
14:00:00	22.56	19.958	321.557	322.406
14:30:00	21.56	17.936	289.282	290.015
15:00:00	20.90	16.458	259.183	259.821
15:30:00	20.51	15.392	231.808	232.373
16:00:00	20.20	14.638	206.819	207.329
16:30:00	19.90	14.118	184.191	184.658
17:00:00	19.61	13.773	164.219	164.655
17:30:00	19.31	13.544	147.421	147.834
18:00:00	19.03	13.329	134.028	134.423
18:30:00	18.74	13.117	123.603	123.986
19:00:00	18.46	12.909	115.583	115.957
19:30:00	18.19	12.704	109.438	109.806
20:00:00	17.92	12.502	104.735	105.098
20:30:00	17.65	12.304	101.132	101.490
21:00:00	17.39	12.109	98.364	98.717
21:30:00	17.13	11.916	96.230	96.579
22:00:00	16.87	11.727	94.578	94.922
22:30:00	16.62	11.541	93.266	93.606
23:00:00	16.37	11.358	92.024	92.360
23:30:00	16.13	11.178	90.798	91.130
24:00:00	15.89	11.000	89.590	89.917
24:30:00	15.65	10.826	88.397	88.720
25:00:00	15.42	10.654	87.220	87.540
25:30:00	15.19	10.485	86.060	86.375
26:00:00	14.96	10.318	84.915	85.226
26:30:00	14.74	10.154	83.785	84.092
27:00:00	14.52	9.993	82.670	82.974
27:30:00	14.31	9.835	81.571	81.870
28:00:00	14.09	9.679	80.486	80.782
28:30:00	13.88	9.525	79.416	79.708
29:00:00	13.68	9.374	78.360	78.648
29:30:00	13.47	9.225	77.318	77.603
30:00:00	13.27	9.079	76.290	76.572
30:30:00	13.07	8.934	75.276	75.554
31:00:00	12.88	8.793	74.276	74.550
31:30:00	12.69	8.653	73.289	73.560
32:00:00	12.50	8.516	72.315	72.583
32:30:00	12.31	8.381	71.355	71.619
33:00:00	12.13	8.248	70.407	70.668
33:30:00	11.95	8.117	69.472	69.730
34:00:00	11.77	7.988	68.550	68.804
34:30:00	11.59	7.861	67.640	67.891
35:00:00	11.42	7.736	66.742	66.990
35:30:00	11.25	7.613	65.856	66.101
36:00:00	11.08	7.493	64.982	65.224

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q50	431.84	121.54	122.30922	0.48	97.16	98.6232	2.05	557.34936	3.74	558.92488	2.44
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	45.46333447	10.87835028	10.47033461	0.040848272	7.221166148	6.910749074	0.152492244	54.18341507	0.363393325	54.67400814	0.238728089
37:00:00	44.89691315	10.71631922	10.31248773	0.040232459	7.106546092	6.798123415	0.150071766	53.49515258	0.358777337	53.9858562	0.235723349
37:30:00	44.33754879	10.55670159	10.15702049	0.039625929	6.993745377	6.687333234	0.147689709	52.81563272	0.354219983	53.30636566	0.232756427
38:00:00	43.78515348	10.39946143	10.00389701	0.039028544	6.882735123	6.578348621	0.145345461	52.14474443	0.349720519	52.63542749	0.229826849
38:30:00	43.23964038	10.24456333	9.85308197	0.038440164	6.773486912	6.471140148	0.143038423	51.48237807	0.345278209	51.97293406	0.226934144
39:00:00	42.70092375	10.09197241	9.70454056	0.037860654	6.665972774	6.36567887	0.140768004	50.82842539	0.340892328	51.31877907	0.224077847
39:30:00	42.16891892	9.941654311	9.558238504	0.037289881	6.560165186	6.261936313	0.138533623	50.18277951	0.336562158	50.67285757	0.221257502
40:00:00	41.64354226	9.793575169	9.414142045	0.036727712	6.45603706	6.159884466	0.136334708	49.54533492	0.332286991	50.03506594	0.218472654
40:30:00	41.12471119	9.647701639	9.27221793	0.036174019	6.353561738	6.059495775	0.134170696	48.91598745	0.32806613	49.40530184	0.215722858
41:00:00	40.61234417	9.504000868	9.13243341	0.035628673	6.252712985	5.960743136	0.132041032	48.29463423	0.323898884	48.78346424	0.213007672
41:30:00	40.10636066	9.362440495	8.99475623	0.035091548	6.153464983	5.863599885	0.129945173	47.68117373	0.319784573	48.16945337	0.210326661
42:00:00	39.60668113	9.222988638	8.859154621	0.034562521	6.055792323	5.768039795	0.12788258	47.07550568	0.315722523	47.56317072	0.207679394
42:30:00	39.11322703	9.085613891	8.72559729	0.034041469	5.959670002	5.674037064	0.125852727	46.47753111	0.311712071	46.96451902	0.205065446
43:00:00	38.62592081	8.950285316	8.594053421	0.033528273	5.86507341	5.581566311	0.123855093	45.88715228	0.307752562	46.37340222	0.202484399
43:30:00	38.14468587	8.816972435	8.464492658	0.033022813	5.771978329	5.49060257	0.121889167	45.30427271	0.303843349	45.78972548	0.199935838
44:00:00	37.66944657	8.685645226	8.336885105	0.032524973	5.680360928	5.401121281	0.119954446	44.72879715	0.299983792	45.21339517	0.197419355
44:30:00	37.20012821	8.556274112	8.211201317	0.032034639	5.59019775	5.313098284	0.118050434	44.16063154	0.296173261	44.64431881	0.194934545
45:00:00	36.73665702	8.428829957	8.08741229	0.031551697	5.501465713	5.226509812	0.116176644	43.59968302	0.292411133	44.08240511	0.19248101
45:30:00	36.27896015	8.30328406	7.965489461	0.031076035	5.414142102	5.141332488	0.114332597	43.04585993	0.288696793	43.52756391	0.190058357
46:00:00	35.82696566	8.179608146	7.845404696	0.030607544	5.32820456	5.057543313	0.112517819	42.49907176	0.285029634	42.97970619	0.187666196
46:30:00	35.38060251	8.057774362	7.727130283	0.030146116	5.243631086	4.975119664	0.110731848	41.95922914	0.281409058	42.43874406	0.185304144
47:00:00	34.93980054	7.937755271	7.610638932	0.029691644	5.160400029	4.894039288	0.108974224	41.42624385	0.277834471	41.90459072	0.182971822
47:30:00	34.50449045	7.819523843	7.495903762	0.029244024	5.078490082	4.814280293	0.107244499	40.90002877	0.274305291	41.37716048	0.180668855
48:00:00	34.07460383	7.70305345	7.382898296	0.028803152	4.997880274	4.735821143	0.10554223	40.38049793	0.27082094	40.85636872	0.178394875
48:30:00	33.65007311	7.588317862	7.271596459	0.028368927	4.918549968	4.658640656	0.10386698	39.8675664	0.267380848	40.34213188	0.176149516
49:00:00	33.23083156	7.475291241	7.161972567	0.027941247	4.840478856	4.582717992	0.102218321	39.36115036	0.263984455	39.83436745	0.173932418
49:30:00	32.81681328	7.36394813	7.054001324	0.027520015	4.76364695	4.508032653	0.100595831	38.86116705	0.260631204	39.33299399	0.171743225
50:00:00	32.4079532	7.254263455	6.947657815	0.027105134	4.688034581	4.434564474	0.098999095	38.36753476	0.257320547	38.83793103	0.169581587
50:30:00	32.00418705	7.146212513	6.842917502	0.026696507	4.613622391	4.362293618	0.097427703	37.88017281	0.254051944	38.34909917	0.167447156
51:00:00	31.60545136	7.039770971	6.739756215	0.02629404	4.540391331	4.291200573	0.095881253	37.39900155	0.25082486	37.86641996	0.16533959
51:30:00	31.21168347	6.934914856	6.638150149	0.025897641	4.468322651	4.221266143	0.09435935	36.92394235	0.247638768	37.38981598	0.16325855
52:00:00	30.82282147	6.831620554	6.538075859	0.025507218	4.397397903	4.152471447	0.092861604	36.45491757	0.244493147	36.91921074	0.161203704
52:30:00	30.43880425	6.729864802	6.439510252	0.02512268	4.327598928	4.08479791	0.091387631	35.99185055	0.241387484	36.45452876	0.159174721
53:00:00	30.05957145	6.629624683	6.342430583	0.02474394	4.258907858	4.018227259	0.089937055	35.53466563	0.23832127	35.99569548	0.157171275
53:30:00	29.68506346	6.530877623	6.246814451	0.02437091	4.191307106	3.952741522	0.088509503	35.08328807	0.235294004	35.54263729	0.155193046
54:00:00	29.31522141	6.433601382	6.152639793	0.024003503	4.124779368	3.888323018	0.08710461	34.63764413	0.232305192	35.09528149	0.153239716
54:30:00	28.94998717	6.337774054	6.059884876	0.023641635	4.05930761	3.824954352	0.085722017	34.19766095	0.229354346	34.65355631	0.151310971
55:00:00	28.58930333	6.243374056	5.968528299	0.023285222	3.994875071	3.762618417	0.084361369	33.76326664	0.226440982	34.21739089	0.149406503
55:30:00	28.2331132	6.150380129	5.878548979	0.022934183	3.931465257	3.701298381	0.083022319	33.3343902	0.223564625	33.78671524	0.147526004
56:00:00	27.88136079	6.05877133	5.789926155	0.022588436	3.869061934	3.640977688	0.081704523	32.91096155	0.220724805	33.36146028	0.145669175
56:30:00	27.53399082	5.968527027	5.702639375	0.022247901	3.807649125	3.580656995	0.080407644	32.49291149	0.217921058	32.94155776	0.143835716
57:00:00	27.19094868	5.879626897	5.616668498	0.0219125	3.747211109	3.520336303	0.079131351	32.08017169	0.215152925	32.52694033	0.142025335
57:30:00	26.85218046	5.792050918	5.531993686	0.021582155	3.687732413	3.46001561	0.077875315	31.67267469	0.212419954	32.11754147	0.140237739
58:00:00	26.5176329	5.705779367	5.448595401	0.021256791	3.629197809	3.399694917	0.076639217	31.27035391	0.209721699	31.71329548	0.138472643
58:30:00	26.18725343	5.620792816	5.366454397	0.020936331	3.570663206	3.339374224	0.075403118	30.87314359	0.207057718	31.31413752	0.136729764
59:00:00	25.8609901	5.537072124	5.28555172	0.020620703	3.512128603	3.279053531	0.07416702	30.48097882	0.204427577	30.92000354	0.135008821
59:30:00	25.53879165	5.453351432	5.205868702	0.020309833	3.453594	3.218732838	0.072930921	30.09379551	0.201830844	30.53083031	0.133309538
60:00:00	25.22060742	5.36963074	5.127386956	0.020003649	3.395059396	3.158412146	0.071694823	29.71153037	0.199267096	30.14655539	0.131631644
60:30:00	24.9063874	5.285910048	5.050088371	0.019702081	3.336524793	3.098091453	0.070458724	29.33412094	0.196735915	29.76711713	0.129974868
61:00:00	24.5960822	5.202189356	4.972789786	0.019400514	3.27799019	3.03777076	0.069222625	28.96150554	0.194236885	29.39245466	0.128338945
61:30:00	24.28964306	5.118468664	4.895491202	0.019098946	3.219455587	2.977450067	0.067986527	28.59362327	0.1917696	29.02250785	0.126723613
62:00:00	23.98702179	5.034747972	4.818192617	0.018797379	3.160920983	2.917129374	0.066750428	28.230414	0.189333655	28.65721737	0.125128612
62:30:00	23.68817085	4.951027279	4.740894033	0.018495811	3.10238638	2.856808682	0.06551433	27.87181839	0.186928652	28.2965246	0.123553686
63:00:00	23.39304324	4.867306587	4.663595448	0.018194244	3.043851777	2.796487989	0.064278231	27.51777782	0.184554199	27.94037167	0.121998583
63:30:00	23.10159259	4.783585895	4.586296863	0.017892676	2.985317174	2.736167296	0.063042133	27.16823444	0.182209907	27.58870144	0.120463054
64:00:00	22.81377308	4.699865203	4.508998279	0.017591108	2.92678257	2.675846603	0.061806034	26.81869106	0.179865616	27.23703121	0.118927524
64:30:00	22.52953948	4.616144511	4.431699694	0.017289541	2.868247967	2.61552591	0.060569936	26.46914767	0.177521324	26.88536099	0.117391994
65:00:00	22.2488471	4.532423819	4.35440111	0.016987973	2.809713364	2.555205217	0.059333837	26.11960429	0.175177032	26.53369076	0.115856465
65:30:00	21.97165183	4.448703127	4.277102525	0.016686406	2.751178761	2.494884525	0.058097738	25.77006091	0.17283274	26.18202053	0.114320935
66:00:00	21.69791009	4.364982435	4.199803941	0.016384838	2.692644158	2.434563832	0.05686164	25.42051753	0.170488449	25.83035031	0.112785405
66:30:00	21.42416836	4.281261743	4.122505356	0.01608327	2.634109554	2.374243139	0.055625541	25.07097414	0.168144157	25.47868008	0.111249876
67:00:00	21.15042662	4.197541051	4.045206771	0.015781703	2.575574951	2.313922446	0.054389443	24.72143076	0.165799865	25.12700985	0.109714346
67:30:00	20.87668489	4.113820359	3.967908187	0.015480135	2.517040348	2.253601753	0.053153344	24.37188738	0.163455573	24.77533962	0.108178816
68:00:00	20.60294315	4.030099667	3.890609602	0.015178568	2.458505745	2.19328106	0.051917246	24.02234399	0.161111282	24.4236694	0.106643287
68:30:00	20.32920142	3.946378975	3.813311018	0.014877	2.399971141	2.132960368	0.050681147	23.67280061	0.15876699	24.07199917	0.105107757
69:00:00	20.05545968	3.862658283	3.736012433	0.014575432	2.341436538	2.072639675	0.049445049	23.32325723	0.156422698	23.72032894	0.103572227
69:30:00	19.78171795	3.778937591	3.658713848	0.014273865	2.282901935	2.012318982	0.04820895	22.97371385	0.154078406	23.36865872	0.102036698
70:00:00	19.50797621	3.695216899	3.581415264	0.013972297	2.224367332	1.951998289	0.046972852	22.62417046	0.151734115	23.01698849	0.100501168
70:30:00	19.23423448	3.611496207	3.504116679	0.01367073	2.165832728	1.891677596	0.045736753	22.27462708	0.149389823	22.66531826	0.098965638
71:00:00	18.96049274	3.527775515	3.426818095	0.013369162	2.107298125	1.831356904	0.044500654	21.9250837	0.147045531	22.31364804	0.097430109
71:30:00	18.68675101	3.444054823	3.34951951	0.013067594	2.048763522	1.771036211	0.043264556	21.57554031	0.14470124	21.96197781	0.095894579
72:00:00	18.41300927	3.360334131	3.272220926	0.012766027	1.990228919	1.710715518	0.042028457	21.22599693	0.142356948	21.61030758	0.094359049
72:30:00	18.13926754	3.276613438	3.194922341	0.012464459	1.931694315	1.650394825	0.040792359	20.87645355	0.140012656	21.25863736	0.09282352

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	122.309	98.623	557.349	558.925
Sum Flow	134.161	99.214	568.449	570.591
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	10.92	7.374	64.120	64.358
37:00:00	10.76	7.257	63.269	63.505
37:30:00	10.60	7.141	62.430	62.662
38:00:00	10.44	7.028	61.601	61.831
38:30:00	10.28	6.917	60.784	61.011
39:00:00	10.13	6.807	59.978	60.202
39:30:00	9.98	6.699	59.183	59.404
40:00:00	9.83	6.592	58.399	58.617
40:30:00	9.68	6.488	57.624	57.840
41:00:00	9.54	6.385	56.861	57.074
41:30:00	9.40	6.283	56.107	56.317
42:00:00	9.26	6.184	55.364	55.571
42:30:00	9.12	6.086	54.630	54.835
43:00:00	8.98	5.989	53.906	54.109
43:30:00	8.85	5.894	53.192	53.392
44:00:00	8.72	5.800	52.488	52.685
44:30:00	8.59	5.708	51.793	51.988
45:00:00	8.46	5.618	51.107	51.300
45:30:00	8.33	5.528	50.430	50.621
46:00:00	8.21	5.441	49.763	49.951
46:30:00	8.09	5.354	49.104	49.290
47:00:00	7.97	5.269	48.454	48.637
47:30:00	7.85	5.186	47.813	47.994
48:00:00	7.73	5.103	47.181	47.359
48:30:00	7.62	5.022	46.557	46.733
49:00:00	7.50	4.943	45.941	46.115
49:30:00	7.39	4.864	45.333	45.505
50:00:00	7.28	4.787	44.734	44.903
50:30:00	7.17	4.711	44.142	44.310
51:00:00	7.07	4.636	43.559	43.724
51:30:00	6.96	4.563	42.983	43.146
52:00:00	6.86	4.490	42.415	42.576
52:30:00	6.75	4.419	41.854	42.013
53:00:00	6.65	4.349	41.301	41.458
53:30:00	6.56	4.280	40.755	40.911
54:00:00	6.46	4.212	40.217	40.370
54:30:00	6.36	4.145	39.686	39.837
55:00:00	6.27	4.079	39.162	39.311
55:30:00	6.17	4.014	38.644	38.792
56:00:00	6.08	3.951	38.134	38.280
56:30:00	5.99	3.888	37.631	37.775
57:00:00	5.90	3.826	37.134	37.276
57:30:00	5.81	3.766	36.644	36.784
58:00:00	5.73	3.706	36.160	36.299
58:30:00	5.64	3.646	35.682	35.819
59:00:00	5.56	3.586	35.209	35.344
59:30:00	5.47	3.527	34.741	34.874
60:00:00	5.39	3.467	34.276	34.408
60:30:00	5.31	3.407	33.816	33.946
61:00:00	5.22	3.347	33.359	33.487
61:30:00	5.14	3.287	32.906	33.033
62:00:00	5.05	3.228	32.458	32.583
62:30:00	4.97	3.168	32.013	32.136
63:00:00	4.89	3.108	31.571	31.693
63:30:00	4.80	3.048	31.134	31.254
64:00:00	4.72	2.989	30.700	30.819
64:30:00	4.63	2.929	30.269	30.387
65:00:00	4.55	2.869	29.842	29.958
65:30:00	4.47	2.809	29.419	29.533
66:00:00	4.38	2.750	28.999	29.112
66:30:00	4.30	2.690	28.579	28.691
67:00:00	4.21	2.630	28.160	28.269
67:30:00	4.13	2.570	27.740	27.848
68:00:00	4.05	2.510	27.320	27.426
68:30:00	3.96	2.451	26.900	27.005
69:00:00	3.88	2.391	26.480	26.584
69:30:00	3.79	2.331	26.060	26.162
70:00:00	3.71	2.271	25.640	25.741
70:30:00	3.63	2.212	25.220	25.319
71:00:00	3.54	2.152	24.800	24.898
71:30:00	3.46	2.092	24.381	24.476
72:00:00	3.37	2.032	23.961	24.055
72:30:00	3.29	1.972	23.541	23.634

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q50	431.84	121.54	122.30922	0.48	97.16	98.6232	2.05	557.34936	3.74	558.92488	2.44
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	17.8655258	3.192892746	3.117623756	0.012162892	1.873159712	1.590074132	0.03955626	20.52691017	0.137668364	20.90696713	0.09128799
73:30:00	17.59178407	3.109172054	3.040325172	0.011861324	1.814625109	1.529753439	0.038320162	20.17736678	0.135324073	20.5552969	0.08975246
74:00:00	17.31804234	3.025451362	2.963026587	0.011559756	1.756090506	1.469432747	0.037084063	19.8278234	0.132979781	20.20362668	0.088216931
74:30:00	17.0443006	2.94173067	2.885728003	0.011258189	1.697555902	1.409112054	0.035847965	19.47828002	0.130635489	19.85195645	0.086681401
75:00:00	16.77055887	2.858009978	2.808429418	0.010956621	1.639021299	1.348791361	0.034611866	19.12873664	0.128291197	19.50028622	0.085145871
75:30:00	16.49681713	2.774289286	2.731130833	0.010655054	1.580486696	1.288470668	0.033375768	18.77919325	0.125946906	19.14861599	0.083610342
76:00:00	16.2230754	2.690568594	2.653832249	0.010353486	1.521952093	1.228149975	0.032139669	18.42964987	0.123602614	18.79694577	0.082074812
76:30:00	15.94933366	2.606847902	2.576533664	0.010051918	1.463417489	1.167829282	0.03090357	18.08010649	0.121258322	18.44527554	0.080539282
77:00:00	15.67559193	2.52312721	2.49923508	0.009750351	1.404882886	1.10750859	0.029667472	17.7305631	0.118914031	18.09360531	0.079003753
77:30:00	15.40185019	2.439406518	2.421936495	0.009448783	1.346348283	1.047187897	0.028431373	17.38101972	0.116569739	17.74193509	0.077468223
78:00:00	15.12810846	2.355685826	2.34463791	0.009147216	1.28781368	0.986867204	0.027195275	17.03147634	0.114225447	17.39026486	0.075932693
78:30:00	14.85436672	2.271965134	2.267339326	0.008845648	1.229279076	0.926546511	0.025959176	16.68193296	0.111881155	17.03859463	0.074397164
79:00:00	14.58062499	2.188244442	2.190040741	0.00854408	1.170744473	0.866225818	0.024723078	16.33238957	0.109536864	16.68692441	0.072861634
79:30:00	14.30688325	2.10452375	2.112742157	0.008242513	1.11220987	0.805905126	0.023486979	15.98284619	0.107192572	16.33525418	0.071326104
80:00:00	14.03314152	2.020803058	2.035443572	0.007940945	1.053675267	0.745584433	0.022250881	15.63330281	0.10484828	15.98358395	0.069790575

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	122.309	98.623	557.349	558.925
Sum Flow	134.161	99.214	568.449	570.591
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	3.21	1.913	23.121	23.212
73:30:00	3.12	1.853	22.701	22.791
74:00:00	3.04	1.793	22.281	22.369
74:30:00	2.95	1.733	21.861	21.948
75:00:00	2.87	1.674	21.441	21.527
75:30:00	2.78	1.614	21.022	21.105
76:00:00	2.70	1.554	20.602	20.684
76:30:00	2.62	1.494	20.182	20.262
77:00:00	2.53	1.435	19.762	19.841
77:30:00	2.45	1.375	19.342	19.420
78:00:00	2.36	1.315	18.922	18.998
78:30:00	2.28	1.255	18.502	18.577
79:00:00	2.20	1.195	18.082	18.155
79:30:00	2.11	1.136	17.663	17.734
80:00:00	2.03	1.076	17.243	17.312

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q75	453.53	128.71	129.52929	0.51	105.41	106.9926	2.23	585.33852	3.93	586.99316	2.56
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	22.62148034	5.784316022	5.310129402	0.020716588	3.91418824	3.894054284	0.082657473	28.24375591	0.189423135	28.48004855	0.124355023
00:30:00	22.62148034	6.00481205	5.4956484	0.02144036	4.040292331	4.030859357	0.085320464	28.58080496	0.191683631	28.80744032	0.125784544
01:00:00	22.62148034	6.970405162	6.313376128	0.024630589	4.613848677	4.643797446	0.097432482	30.57186724	0.20503714	30.76509439	0.134332427
01:30:00	22.62148034	8.996121387	7.999278198	0.031207856	5.797952383	5.908795151	0.122437671	34.82514923	0.233562738	34.95232049	0.152615492
02:00:00	22.62148034	12.51804965	10.85692434	0.042356488	7.81319128	8.065325987	0.164994275	42.16028148	0.282757461	42.17481354	0.18415172
02:30:00	22.82235921	17.5599332	14.75982898	0.057583023	10.81391383	11.20407729	0.228361729	53.70153654	0.360161497	53.53818289	0.233768632
03:00:00	24.17075869	24.40977128	19.83199422	0.077371233	14.74520408	15.29124124	0.311380352	70.78101331	0.47470887	70.41372628	0.30745385
03:30:00	27.08808316	33.84389097	26.51198586	0.103432112	19.92360245	20.66799016	0.420734654	93.80597727	0.629130997	93.25340534	0.407180816
04:00:00	32.14813992	46.98093229	35.42844684	0.138218204	26.81043191	27.81144016	0.566166577	124.6334211	0.83588222	123.8386242	0.540727836
04:30:00	40.13405003	65.04863343	47.55634194	0.185533174	36.04157945	37.40105508	0.761104399	166.1273378	1.114170554	165.0120511	0.72050711
05:00:00	52.11748793	87.19832436	63.72007009	0.248593276	48.27462959	50.11328444	1.019434595	221.135423	1.483094715	219.6076499	0.958892834
05:30:00	68.79641447	110.0141427	83.06441749	0.324062037	63.01058054	65.37358528	1.330619545	288.6228334	1.935714293	286.6434847	1.251597489
06:00:00	91.14559398	129.0149935	102.6867499	0.400615309	78.40464736	81.17136218	1.65570219	363.0901119	2.435145934	360.7045117	1.57497688
06:30:00	121.2371411	139.8232635	118.8129031	0.463528819	92.0997055	94.92010841	1.944906191	437.6547995	2.935230871	435.1057387	1.899841717
07:00:00	161.1624559	141.581748	127.9149281	0.499038859	101.6083892	103.9577064	2.145704854	504.4418854	3.383153564	502.2043221	2.192820358
07:30:00	210.3779606	136.4028055	129.52929	0.505337024	105.40805	106.9926	2.225943806	554.666541	3.719996573	553.4089619	2.416399829
08:00:00	265.2114081	126.9009382	125.3218189	0.488922274	104.198553	105.0044029	2.200402377	581.2581591	3.898339272	581.4612332	2.53888701
08:30:00	321.1795532	115.3489149	117.3603949	0.457862099	99.42116283	99.5379452	2.099516324	585.33852	3.925705135	586.99316	2.563041564
09:00:00	373.3598017	102.6593106	107.4651279	0.419257358	92.46662351	92.05032139	1.952654545	571.7495175	3.834567417	574.6744409	2.509253222
09:30:00	415.9928483	89.18572258	96.64456501	0.377042728	84.49831023	83.6577102	1.784384497	545.5228218	3.658672152	549.4798386	2.399243741
10:00:00	443.2995132	75.53047292	85.16764147	0.332267416	75.9128077	74.67386698	1.603081018	510.5723453	3.424268879	515.2741906	2.249888512
10:30:00	453.52528	62.28949526	73.28151689	0.285895674	66.86068962	65.24695677	1.411923833	470.6662637	3.15662972	475.7484524	2.07730369
11:00:00	449.437808	50.77070032	61.60610783	0.240346003	57.66845526	55.74662649	1.217807756	429.061146	2.877595591	434.4139041	1.896820897
11:30:00	434.6312757	41.83036555	50.81202225	0.19823467	48.64934739	46.54152798	1.02734766	386.9496576	2.595165372	392.5807266	1.714160893
12:00:00	411.8968596	35.34706616	42.07909613	0.164164609	40.29754195	38.28894835	0.850979256	344.8799178	2.313015149	350.7946466	1.531706536
12:30:00	383.8767915	30.82146809	35.57302032	0.138782234	33.38537319	31.46055616	0.705012233	303.5211607	2.035633294	309.6230305	1.351935168
13:00:00	353.4713149	27.62416751	30.86216897	0.120403629	28.06450466	26.35682769	0.592649331	265.040426	1.777553545	271.1455397	1.183927404
13:30:00	322.5543499	25.3639397	27.53107956	0.107407937	24.13577892	22.6580042	0.509684864	229.907882	1.541929195	235.888522	1.029981485
14:00:00	291.7184968	23.79645964	25.11589358	0.09798549	21.20381923	20.01209013	0.447769502	198.4412642	1.330891208	204.0915442	0.891143452
14:30:00	261.1847325	22.73788562	23.3683021	0.091167552	19.0555184	18.0759679	0.402402977	171.3364609	1.149106716	176.3534847	0.770028242
15:00:00	231.9578359	22.05199737	22.12859723	0.086331049	17.48504947	16.67487669	0.369238759	149.4696937	1.002452298	153.5395528	0.670413699
15:30:00	204.8539188	21.63727154	21.27404793	0.082997167	16.35302554	15.67838638	0.345333358	132.7278546	0.890169368	135.9306394	0.5935263
16:00:00	179.8099675	21.3149883	20.7112639	0.080801558	15.55181371	14.98645118	0.328413849	119.9923924	0.804756111	122.4951337	0.534861631
16:30:00	156.9717828	20.9975054	20.35888561	0.079426813	14.99924994	14.52305895	0.316745139	110.4043138	0.740451494	112.3543842	0.490583155
17:00:00	136.7184354	20.68475136	20.0519626	0.078229404	14.63312373	14.23006495	0.309013506	103.2488415	0.692461701	104.7686	0.457460657
17:30:00	119.6603618	20.37665573	19.74966664	0.077050046	14.38914154	13.99815515	0.303861237	97.95456233	0.656954421	99.14157704	0.432890875
18:00:00	106.148304	20.07314913	19.45192799	0.075888468	14.16074571	13.77002482	0.299038112	94.07521587	0.630936707	95.00551686	0.41483122
18:30:00	95.73892104	19.77416321	19.15867794	0.074744402	13.93597516	13.54561237	0.294291542	91.26743788	0.612105709	91.9993667	0.401705193
19:00:00	87.84139636	19.47963062	18.86984881	0.073617583	13.71477235	13.32485721	0.289620314	89.26974068	0.598707701	89.84756826	0.3923096
19:30:00	81.90107076	19.18948505	18.58537397	0.072507751	13.49708065	13.10769973	0.285023232	87.88445367	0.58941696	88.34148868	0.385733468
20:00:00	77.46537475	18.90366114	18.30518776	0.071414651	13.28284432	12.89408131	0.280499118	86.7681052	0.581929917	87.21493378	0.380814489
20:30:00	74.17696031	18.62209453	18.02922554	0.070338031	13.07200852	12.68394426	0.276046814	85.66593709	0.574537977	86.11720695	0.376021385
21:00:00	71.75890973	18.3447218	17.75742362	0.069277641	12.86451927	12.47723185	0.271665181	84.57776923	0.567239933	85.03329661	0.371288608
21:30:00	69.99928786	18.07148049	17.48971929	0.068233237	12.66032345	12.27388827	0.267353097	83.50342378	0.560034592	83.96302886	0.366615401
22:00:00	68.73730983	17.80230905	17.22605076	0.067204578	12.45936879	12.07385861	0.263109457	82.44272515	0.552920777	82.90623199	0.362001013
22:30:00	67.82586941	17.53714688	16.96635721	0.066191426	12.26160384	11.87708887	0.258933176	81.3955	0.545897325	81.86273644	0.357444704
23:00:00	66.9808364	17.27593425	16.7105787	0.065193549	12.06697798	11.68352592	0.254823184	80.36157718	0.538963088	80.8323748	0.352945742
23:30:00	66.14633153	17.01861234	16.45865621	0.064210715	11.87544136	11.4931175	0.250778429	79.34078772	0.532116933	79.81498177	0.348503406
24:00:00	65.32222365	16.76512319	16.21053161	0.063242698	11.68694497	11.3058122	0.246797875	78.33296479	0.52535774	78.8103941	0.344116984
24:30:00	64.5083832	16.51540971	15.96614765	0.062289275	11.50144055	11.12155944	0.242880504	77.33794369	0.518684406	77.81845063	0.339785771
25:00:00	63.70468229	16.26941567	15.72544793	0.061350225	11.31888059	10.94030949	0.239025313	76.35556181	0.51209584	76.83899222	0.335509073
25:30:00	62.91099457	16.02708567	15.4883769	0.060425331	11.13921838	10.76201339	0.235231314	75.38565859	0.505590965	75.87186171	0.331286203
26:00:00	62.12719529	15.78836513	15.25487988	0.059514382	10.9624079	10.58662302	0.231497537	74.42807552	0.499168717	74.91690395	0.327116484
26:30:00	61.35316126	15.55320028	15.02490296	0.058617165	10.7884039	10.41409101	0.227823025	73.48265611	0.492828048	73.97396572	0.322999247
27:00:00	60.58877081	15.32153818	14.7983931	0.057733474	10.61716182	10.24437079	0.224206838	72.54924585	0.486567921	73.04289574	0.318933832
27:30:00	59.8339038	15.09332664	14.57529801	0.056863106	10.44863784	10.07741653	0.22064805	71.62769219	0.480387313	72.12354463	0.314919585
28:00:00	59.08844157	14.86851427	14.35556622	0.056005859	10.2827888	9.913183147	0.21714575	70.71784453	0.474285214	71.21576489	0.310955864
28:30:00	58.35226694	14.64705044	14.13914703	0.055161535	10.11957225	9.751626306	0.213699041	69.81955416	0.468260627	70.31941088	0.307042032
29:00:00	57.62526422	14.42888527	13.92599049	0.05432994	9.958946405	9.592702384	0.210307041	68.9326743	0.462312567	69.43433879	0.303177462
29:30:00	56.90731912	14.21396964	13.71604742	0.053510882	9.800870137	9.436368472	0.206968881	68.05705998	0.456440061	68.56040661	0.299361532
30:00:00	56.19831879	14.00225513	13.50926938	0.052704172	9.64530298	9.282582361	0.203683708	67.19256812	0.450642151	67.69747415	0.295593632
30:30:00	55.4981518	13.79369408	13.30560864	0.051909623	9.492205109	9.131302529	0.200450679	66.33905743	0.444917889	66.84540295	0.291873156
31:00:00	54.8067081	13.5882395	13.10501822	0.051127053	9.341537328	8.98248813	0.197268967	65.49638842	0.439266338	66.0040563	0.288199508
31:30:00	54.12387899	13.38584513	12.90745182	0.050356281	9.193261065	8.836098984	0.194137758	64.66442338	0.433686577	65.17329923	0.284572098
32:00:00	53.44955716	13.18646539	12.71286386	0.049597128	9.04733836	8.692095567	0.19105625	63.84302634	0.428177692	64.35299844	0.280990344
32:30:00	52.78363661	12.99005537	12.52120944	0.04884942	8.903731855	8.550438999	0.188023655	63.03206306	0.422738783	63.54302233	0.277453671
33:00:00	52.12601267	12.79657085	12.33244433	0.048112984	8.762404787	8.411091032	0.185039194	62.231401	0.417368962	62.74324094	0.273961513
33:30:00	51.47658197	12.60596824	12.14652497	0.047387651	8.623320973	8.274014043	0.182102106	61.44090932	0.412067351	61.95352597	0.270513309
34:00:00	50.83524244	12.41820462	11.96340847	0.046673252	8.486444808	8.139171021	0.179211638	60.66045883	0.406833083	61.17375072	0.267108506
34:30:00	50.20189327	12.23323771	11.78305256	0.045969624	8.351741249	8.006525559	0.176367049	59.88992197	0.401665303	60.40379006	0.263746556
35:00:00	49.57643491	12.05102585	11.60541562	0.045276603	8.219175811	7.876041842	0.173567612	59.12917283	0.396563167	59.64352049	0.260426922
35:30:00	48.95876905	11.871528	11.43045668	0.044594029	8.088714557	7.747684641	0.170812609	58.37808707	0.391525841	58.89282001	0.257149071
36:00:00	48.3487986	11.69470374	11.25813535	0.043921746	7.960324087	7.621419299	0.168101337	57.63654194	0.386552501	58.15156819	0.253912475

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	129.529	106.993	585.339	586.993
Sum Flow	142.081	107.634	600.102	602.352
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	5.81	3.997	32.613	32.737
00:30:00	6.03	4.126	32.965	33.091
01:00:00	7.00	4.711	34.533	34.667
01:30:00	9.03	5.920	37.803	37.955
02:00:00	12.56	7.978	43.443	43.627
02:30:00	17.62	11.042	51.842	52.076
03:00:00	24.49	15.057	64.189	64.497
03:30:00	33.95	20.344	82.009	82.416
04:00:00	47.12	27.377	107.480	108.020
04:30:00	65.23	36.803	143.285	144.006
05:00:00	87.45	49.294	190.342	191.300
05:30:00	110.34	64.341	245.412	246.663
06:00:00	129.42	80.060	303.057	304.632
06:30:00	140.29	94.045	358.504	360.404
07:00:00	142.08	103.754	410.380	412.573
07:30:00	136.91	107.634	458.640	461.056
08:00:00	127.39	106.399	502.899	505.437
08:30:00	115.81	101.521	542.433	544.996
09:00:00	103.08	94.419	574.692	577.201
09:30:00	89.56	86.283	595.497	597.896
10:00:00	75.86	77.516	600.102	602.352
10:30:00	62.58	68.273	587.530	589.607
11:00:00	51.01	58.886	562.213	564.110
11:30:00	42.03	49.677	528.932	530.646
12:00:00	35.51	41.149	490.870	492.401
12:30:00	30.96	34.090	450.963	452.315
13:00:00	27.74	28.657	411.651	412.835
13:30:00	25.47	24.645	374.213	375.243
14:00:00	23.89	21.652	338.595	339.487
14:30:00	22.83	19.458	304.621	305.391
15:00:00	22.14	17.854	272.953	273.623
15:30:00	21.72	16.698	244.163	244.756
16:00:00	21.40	15.880	217.891	218.426
16:30:00	21.08	15.316	194.105	194.596
17:00:00	20.76	14.942	173.116	173.573
17:30:00	20.45	14.693	155.464	155.897
18:00:00	20.15	14.460	141.388	141.803
18:30:00	19.85	14.230	130.430	130.832
19:00:00	19.55	14.004	121.998	122.390
19:30:00	19.26	13.782	115.535	115.920
20:00:00	18.98	13.563	110.586	110.967
20:30:00	18.69	13.348	106.792	107.168
21:00:00	18.41	13.136	103.876	104.248
21:30:00	18.14	12.928	101.627	101.993
22:00:00	17.87	12.722	99.882	100.244
22:30:00	17.60	12.521	98.496	98.853
23:00:00	17.34	12.322	97.183	97.536
23:30:00	17.08	12.126	95.887	96.236
24:00:00	16.83	11.934	94.610	94.954
24:30:00	16.58	11.744	93.349	93.689
25:00:00	16.33	11.558	92.105	92.441
25:30:00	16.09	11.374	90.879	91.210
26:00:00	15.85	11.194	89.668	89.995
26:30:00	15.61	11.016	88.474	88.797
27:00:00	15.38	10.841	87.296	87.615
27:30:00	15.15	10.669	86.134	86.449
28:00:00	14.92	10.500	84.987	85.298
28:30:00	14.70	10.333	83.856	84.163
29:00:00	14.48	10.169	82.740	83.043
29:30:00	14.27	10.008	81.639	81.938
30:00:00	14.05	9.849	80.553	80.849
30:30:00	13.85	9.693	79.481	79.773
31:00:00	13.64	9.539	78.424	78.712
31:30:00	13.44	9.387	77.381	77.666
32:00:00	13.24	9.238	76.352	76.633
32:30:00	13.04	9.092	75.337	75.614
33:00:00	12.84	8.947	74.336	74.609
33:30:00	12.65	8.805	73.347	73.618
34:00:00	12.46	8.666	72.373	72.640
34:30:00	12.28	8.528	71.411	71.675
35:00:00	12.10	8.393	70.462	70.722
35:30:00	11.92	8.260	69.526	69.783
36:00:00	11.74	8.128	68.602	68.856

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q75	453.53	128.71	129.52929	0.51	105.41	106.9926	2.23	585.33852	3.93	586.99316	2.56
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	47.74642768	11.52051324	11.08841188	0.043259598	7.833971532	7.497211725	0.165433099	56.90441626	0.381642334	57.4196461	0.250716617
37:00:00	47.15156162	11.34891728	10.92124709	0.042607433	7.709624545	7.375028383	0.162807214	56.18159037	0.376794539	56.69693631	0.247560984
37:30:00	46.56410692	11.17987721	10.75660242	0.041965099	7.587251292	7.254836284	0.16022301	55.46794615	0.372008323	55.98332288	0.244445069
38:00:00	45.98397123	11.01335496	10.59443987	0.041332449	7.466820443	7.136602976	0.157679823	54.76336696	0.367282903	55.27869132	0.241368372
38:30:00	45.41106336	10.84931303	10.43472203	0.040709336	7.348301168	7.020296537	0.155177005	54.06773766	0.362617508	54.58292856	0.2383304
39:00:00	44.84529328	10.68771448	10.27741203	0.040095617	7.231663124	6.905885563	0.152713913	53.38094456	0.358011375	53.895923	0.235330665
39:30:00	44.28657205	10.52852291	10.12247357	0.03949115	7.116876452	6.793339165	0.150289917	52.70287542	0.353463751	53.2175644	0.232368686
40:00:00	43.73481185	10.37170246	9.969870914	0.038895796	7.003911765	6.682626955	0.147904396	52.03341943	0.348973893	52.54774392	0.229443988
40:30:00	43.18992595	10.21721783	9.819568837	0.038309418	6.892740142	6.57371904	0.145556741	51.37246717	0.344541067	51.88635412	0.226556102
41:00:00	42.65182871	10.06503422	9.671532658	0.037731879	6.783333123	6.466586017	0.143246349	50.71991063	0.340164549	51.23328886	0.223704564
41:30:00	42.12043554	9.915117356	9.525728218	0.037163047	6.675662699	6.361198958	0.14097263	50.07564315	0.335843623	50.58844338	0.220888916
42:00:00	41.59566293	9.767433477	9.382121871	0.036602791	6.569701305	6.257529411	0.138735001	49.43955946	0.331577584	49.95171423	0.218108708
42:30:00	41.07742839	9.621949322	9.240680481	0.036050981	6.465421814	6.155549383	0.136532889	48.8115556	0.327365734	49.32299923	0.215363493
43:00:00	40.56565046	9.478632128	9.101371408	0.03550749	6.362797529	6.055231342	0.134365732	48.19152892	0.323207385	48.70219753	0.21265283
43:30:00	40.0602487	9.337449617	8.964162507	0.034972192	6.261802178	5.956548201	0.132232972	47.57937811	0.319101857	48.08920951	0.209976285
44:00:00	39.56114367	9.198369995	8.829022117	0.034444964	6.162409905	5.859473316	0.130134066	46.97500312	0.31504848	47.48393685	0.207333427
44:30:00	39.06825691	9.061361938	8.695919053	0.033925685	6.064595265	5.763980478	0.128068476	46.37830517	0.31104659	46.88628242	0.204723835
45:00:00	38.58151097	8.926394591	8.564822602	0.033414234	5.968333216	5.670043902	0.126035671	45.78918676	0.307095534	46.29615034	0.202147087
45:30:00	38.10082933	8.793437559	8.435702512	0.032910493	5.873599115	5.577638226	0.124035134	45.20755159	0.303194667	45.71344594	0.199602772
46:00:00	37.62613643	8.662460897	8.308528989	0.032414347	5.780368708	5.486738502	0.12206635	44.63330462	0.299343349	45.13807571	0.197090481
46:30:00	37.15735766	8.533435109	8.183272686	0.03192568	5.688618128	5.397320186	0.120128816	44.066352	0.295540954	44.56994736	0.19460981
47:00:00	36.69441934	8.406331137	8.059904702	0.03144438	5.598323885	5.309359136	0.118222037	43.50660107	0.291786857	44.00896973	0.192160363
47:30:00	36.23724871	8.281120356	7.938396567	0.030970336	5.509462864	5.222831602	0.116345523	42.95396035	0.288080447	43.45505282	0.189741745
48:00:00	35.7857739	8.157774567	7.818720244	0.030503439	5.422012315	5.137714222	0.114498795	42.40833953	0.284421118	42.90810776	0.187353569
48:30:00	35.33992395	8.03626599	7.700848116	0.030043581	5.335949851	5.053984015	0.11268138	41.86964943	0.280808271	42.3680468	0.184995452
49:00:00	34.89962878	7.916567262	7.584752986	0.029590655	5.251253438	4.971618373	0.110892812	41.33780202	0.277241316	41.83478329	0.182667015
49:30:00	34.46481919	7.798651425	7.470408062	0.029144557	5.167901393	4.890595058	0.109132634	40.81271037	0.27371967	41.30823168	0.180367885
50:00:00	34.03542683	7.682491923	7.35778696	0.028705184	5.085872378	4.810892193	0.107400394	40.29428869	0.270242758	40.78830748	0.178097693
50:30:00	33.61138421	7.568062596	7.246863692	0.028272436	5.005145392	4.73248826	0.10569565	39.78245223	0.266810011	40.27492729	0.175856074
51:00:00	33.19262468	7.455337673	7.137612662	0.027846211	4.925699769	4.65536209	0.104017965	39.27711735	0.263420868	39.76800874	0.17364267
51:30:00	32.77908242	7.344291767	7.03000866	0.027426412	4.84751517	4.579492857	0.10236691	38.77820146	0.260074776	39.26747049	0.171457124
52:00:00	32.37069242	7.23489987	6.924026856	0.027012941	4.770571578	4.504860079	0.100742062	38.28562303	0.256771188	38.77323224	0.169299087
52:30:00	31.96739049	7.127137345	6.819642794	0.026605704	4.694849296	4.431443604	0.099143004	37.79930156	0.253509563	38.28521471	0.167168211
53:00:00	31.56911325	7.020979924	6.716832388	0.026204607	4.620328937	4.359223609	0.097569328	37.31915757	0.250289368	37.80333958	0.165064156
53:30:00	31.17579809	6.916403698	6.615571914	0.025809556	4.546991425	4.288180597	0.09602063	36.84511259	0.247110079	37.32752955	0.162986584
54:00:00	30.78738318	6.813385117	6.515838004	0.02542046	4.474817984	4.218295384	0.094496515	36.37708914	0.243971174	36.85770829	0.16093516
54:30:00	30.40380748	6.711900978	6.417607647	0.025037231	4.403790136	4.149549102	0.092996592	35.91501073	0.24087214	36.39380041	0.158909557
55:00:00	30.0250107	6.611928427	6.320858173	0.024659779	4.333889699	4.081923191	0.091520476	35.45880186	0.237812472	35.93573148	0.156909449
55:30:00	29.6509333	6.51344495	6.225567259	0.024288017	4.265098777	4.01539939	0.090067791	35.00838797	0.23479167	35.48342802	0.154934516
56:00:00	29.28151647	6.416428366	6.131712915	0.02392186	4.197399758	3.94995974	0.088638164	34.56369543	0.231809239	35.03681745	0.152984439
56:30:00	28.91670215	6.320856826	6.039273485	0.023561223	4.130775312	3.884520089	0.087231229	34.12465159	0.228864692	34.59582813	0.151058907
57:00:00	28.55643301	6.226708807	5.948227637	0.023206023	4.065208382	3.819080438	0.085846626	33.69118467	0.225957548	34.1603893	0.149157611
57:30:00	28.20065241	6.133963106	5.858554363	0.022856177	4.000682182	3.753640788	0.084484	33.26322386	0.223087332	33.7304311	0.147280246
58:00:00	27.84930442	6.042598835	5.77023297	0.022511606	3.937180192	3.688201137	0.083143003	32.8406992	0.220253575	33.30588455	0.14542651
58:30:00	27.50233384	5.952595419	5.683243077	0.022172229	3.873678203	3.622761486	0.081802007	32.42354163	0.217455813	32.88668154	0.143596105
59:00:00	27.15968611	5.863932587	5.597564611	0.021837969	3.810176214	3.557321836	0.08046101	32.011683	0.21469359	32.47275481	0.14178874
59:30:00	26.82130738	5.775269755	5.513177803	0.021508748	3.746674224	3.491882185	0.079120013	31.60505598	0.211966454	32.06403795	0.140004122
60:00:00	26.48714447	5.686606924	5.430063179	0.02118449	3.683172235	3.426442534	0.077779016	31.20359412	0.209273959	31.66046538	0.138241966
60:30:00	26.15714484	5.597944092	5.348201559	0.020865121	3.619670246	3.361002883	0.076438019	30.80723182	0.206615666	31.26197236	0.13650199
61:00:00	25.83125664	5.50928126	5.26633994	0.020545751	3.556168257	3.295563233	0.075097023	30.41590429	0.203991139	30.86849496	0.134783914
61:30:00	25.50942863	5.420618428	5.184478321	0.020226382	3.492666267	3.230123582	0.073756026	30.02954758	0.201399951	30.47997004	0.133087462
62:00:00	25.19161023	5.331955597	5.102616702	0.019907012	3.429164278	3.164683931	0.072415029	29.64809855	0.198841677	30.09633527	0.131412363
62:30:00	24.87775148	5.243292765	5.020755083	0.019587643	3.365662289	3.099244281	0.071074032	29.27149486	0.196315899	29.71752911	0.129758347
63:00:00	24.56780306	5.154629933	4.938893464	0.019268273	3.302160299	3.0338463	0.069733035	28.89967496	0.193822205	29.34349077	0.12812515
63:30:00	24.26171624	5.065967101	4.857031845	0.018948903	3.23865831	2.968364979	0.068392038	28.53257809	0.191360186	28.97416025	0.126512508
64:00:00	23.95944291	4.977304269	4.775170226	0.018629534	3.175156321	2.902925329	0.067051042	28.16548122	0.188898168	28.60482972	0.124899867
64:30:00	23.66093556	4.888641438	4.693308607	0.018310164	3.111654331	2.837485678	0.065710045	27.79838435	0.18643615	28.2354992	0.123287225
65:00:00	23.36614728	4.799978606	4.611446988	0.017990795	3.048152342	2.772046027	0.064369048	27.43128748	0.183974132	27.86616868	0.121674584
65:30:00	23.07503172	4.711315774	4.529585368	0.017671425	2.984650353	2.706606376	0.063028051	27.0641906	0.181512114	27.49683816	0.120061943
66:00:00	22.78754313	4.622652942	4.447723749	0.017352056	2.921148364	2.641166726	0.061687054	26.69709373	0.179050096	27.12750763	0.118449301
66:30:00	22.50005454	4.53399011	4.36586213	0.017032686	2.857646374	2.575727075	0.060346058	26.32999686	0.176588077	26.75817711	0.11683666
67:00:00	22.21256595	4.445327279	4.284000511	0.016713317	2.794144385	2.510287424	0.059005061	25.96289999	0.174126059	26.38884659	0.115224018
67:30:00	21.92507736	4.356664447	4.202138892	0.016393947	2.730642396	2.444847774	0.057664064	25.59580312	0.171664041	26.01951607	0.113611377
68:00:00	21.63758877	4.268001615	4.120277273	0.016074578	2.667140406	2.379408123	0.056323067	25.22870625	0.169202023	25.65018555	0.111998736
68:30:00	21.35010018	4.179338783	4.038415654	0.015755208	2.603638417	2.313968472	0.05498207	24.86160938	0.166740005	25.28085502	0.110386094
69:00:00	21.06261159	4.090675951	3.956554035	0.015435839	2.540136428	2.248528822	0.053641073	24.4945125	0.164277987	24.9115245	0.108773453
69:30:00	20.775123	4.00201312	3.874692416	0.015116469	2.476634438	2.183089171	0.052300077	24.12741563	0.161815968	24.54219398	0.107160811
70:00:00	20.48763441	3.913350288	3.792830797	0.0147971	2.413132449	2.11764952	0.05095908	23.76031876	0.15935395	24.17286346	0.10554817
70:30:00	20.20014582	3.824687456	3.710969177	0.01447773	2.34963046	2.052209869	0.049618083	23.39322189	0.156891932	23.80353294	0.103935528
71:00:00	19.91265723	3.736024624	3.629107558	0.014158361	2.286128471	1.986770219	0.048277086	23.02612502	0.154429914	23.43420241	0.102322887
71:30:00	19.62516864	3.647361792	3.547245939	0.013838991	2.222626481	1.921330568	0.046936089	22.65902815	0.151967896	23.06487189	0.100710246
72:00:00	19.33768005	3.558698961	3.46538432	0.013519622	2.159124492	1.855890917	0.045595092	22.29193128	0.149505878	22.69554137	0.099097604
72:30:00	19.05019146	3.470036129	3.383522701	0.013200252	2.095622503	1.790451267	0.044254096	21.9248344	0.147043859	22.32621085	0.097484963

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	129.529	106.993	585.339	586.993
Sum Flow	142.081	107.634	600.102	602.352
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	11.56	7.999	67.691	67.942
37:00:00	11.39	7.872	66.792	67.040
37:30:00	11.22	7.747	65.905	66.150
38:00:00	11.05	7.625	65.030	65.272
38:30:00	10.89	7.503	64.167	64.406
39:00:00	10.73	7.384	63.315	63.551
39:30:00	10.57	7.267	62.475	62.708
40:00:00	10.41	7.152	61.646	61.876
40:30:00	10.26	7.038	60.828	61.055
41:00:00	10.10	6.927	60.021	60.245
41:30:00	9.95	6.817	59.225	59.446
42:00:00	9.80	6.708	58.440	58.658
42:30:00	9.66	6.602	57.665	57.880
43:00:00	9.51	6.497	56.900	57.113
43:30:00	9.37	6.394	56.146	56.356
44:00:00	9.23	6.293	55.402	55.609
44:30:00	9.10	6.193	54.667	54.872
45:00:00	8.96	6.094	53.943	54.145
45:30:00	8.83	5.998	53.228	53.428
46:00:00	8.69	5.902	52.523	52.720
46:30:00	8.57	5.809	51.827	52.022
47:00:00	8.44	5.717	51.141	51.333
47:30:00	8.31	5.626	50.463	50.653
48:00:00	8.19	5.537	49.795	49.982
48:30:00	8.07	5.449	49.136	49.321
49:00:00	7.95	5.362	48.485	48.668
49:30:00	7.83	5.277	47.843	48.024
50:00:00	7.71	5.193	47.210	47.388
50:30:00	7.60	5.111	46.585	46.761
51:00:00	7.48	5.030	45.969	46.143
51:30:00	7.37	4.950	45.361	45.532
52:00:00	7.26	4.871	44.761	44.930
52:30:00	7.15	4.794	44.169	44.336
53:00:00	7.05	4.718	43.584	43.750
53:30:00	6.94	4.643	43.008	43.171
54:00:00	6.84	4.569	42.439	42.600
54:30:00	6.74	4.497	41.878	42.037
55:00:00	6.64	4.425	41.325	41.482
55:30:00	6.54	4.355	40.779	40.934
56:00:00	6.44	4.286	40.240	40.393
56:30:00	6.34	4.218	39.708	39.859
57:00:00	6.25	4.151	39.183	39.333
57:30:00	6.16	4.085	38.666	38.813
58:00:00	6.07	4.020	38.155	38.300
58:30:00	5.97	3.955	37.650	37.794
59:00:00	5.89	3.891	37.151	37.293
59:30:00	5.80	3.826	36.656	36.796
60:00:00	5.71	3.761	36.165	36.303
60:30:00	5.62	3.696	35.679	35.815
61:00:00	5.53	3.631	35.196	35.331
61:30:00	5.44	3.566	34.718	34.851
62:00:00	5.35	3.502	34.244	34.375
62:30:00	5.26	3.437	33.774	33.903
63:00:00	5.17	3.372	33.307	33.436
63:30:00	5.08	3.307	32.845	32.972
64:00:00	5.00	3.242	32.386	32.511
64:30:00	4.91	3.177	31.932	32.055
65:00:00	4.82	3.113	31.481	31.602
65:30:00	4.73	3.048	31.033	31.153
66:00:00	4.64	2.983	30.589	30.708
66:30:00	4.55	2.918	30.146	30.262
67:00:00	4.46	2.853	29.702	29.817
67:30:00	4.37	2.788	29.258	29.372
68:00:00	4.28	2.723	28.814	28.926
68:30:00	4.20	2.659	28.371	28.481
69:00:00	4.11	2.594	27.927	28.036
69:30:00	4.02	2.529	27.483	27.590
70:00:00	3.93	2.464	27.039	27.145
70:30:00	3.84	2.399	26.595	26.699
71:00:00	3.75	2.334	26.152	26.254
71:30:00	3.66	2.270	25.708	25.809
72:00:00	3.57	2.205	25.264	25.363
72:30:00	3.48	2.140	24.820	24.918

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q75	453.53	128.71	129.52929	0.51	105.41	106.9926	2.23	585.33852	3.93	586.99316	2.56
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	18.76270286	3.381373297	3.301661082	0.012880883	2.032120513	1.725011616	0.042913099	21.55773753	0.144581841	21.95688033	0.095872321
73:30:00	18.47521427	3.292710465	3.219799463	0.012561513	1.968618524	1.659571965	0.041572102	21.19064066	0.142119823	21.5875498	0.09425968
74:00:00	18.18772568	3.204047633	3.137937844	0.012242144	1.905116535	1.594132315	0.040231105	20.82354379	0.139657805	21.21821928	0.092647039
74:30:00	17.90023709	3.115384802	3.056076225	0.011922774	1.841614545	1.528692664	0.038890108	20.45644692	0.137195787	20.84888876	0.091034397
75:00:00	17.6127485	3.02672197	2.974214606	0.011603405	1.778112556	1.463253013	0.037549112	20.08935005	0.134733768	20.47955824	0.089421756
75:30:00	17.32525991	2.938059138	2.892352987	0.011284035	1.714610567	1.397813362	0.036208115	19.72225318	0.13227175	20.11022771	0.087809114
76:00:00	17.03777132	2.849396306	2.810491367	0.010964666	1.651108578	1.332373712	0.034867118	19.3551563	0.129809732	19.74089719	0.086196473
76:30:00	16.75028273	2.760733475	2.728629748	0.010645296	1.587606588	1.266934061	0.033526121	18.98805943	0.127347714	19.37156667	0.084583832
77:00:00	16.46279414	2.672070643	2.646768129	0.010325927	1.524104599	1.20149441	0.032185124	18.62096256	0.124885696	19.00223615	0.08297119
77:30:00	16.17530555	2.583407811	2.56490651	0.010006557	1.46060261	1.13605476	0.030844127	18.25386569	0.122423678	18.63290563	0.081358549
78:00:00	15.88781696	2.494744979	2.483044891	0.009687187	1.39710062	1.070615109	0.029503131	17.88676882	0.119961659	18.2635751	0.079745907
78:30:00	15.60032837	2.406082147	2.401183272	0.009367818	1.333598631	1.005175458	0.028162134	17.51967195	0.117499641	17.89424458	0.078133266
79:00:00	15.31283978	2.317419316	2.319321653	0.009048448	1.270096642	0.939735807	0.026821137	17.15257508	0.115037623	17.52491406	0.076520624
79:30:00	15.02535119	2.228756484	2.237460034	0.008729079	1.206594652	0.874296157	0.02548014	16.7854782	0.112575605	17.15558354	0.074907983
80:00:00	14.7378626	2.140093652	2.155598415	0.008409709	1.143092663	0.808856506	0.024139143	16.41838133	0.110113587	16.78625302	0.073295342

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	129.529	106.993	585.339	586.993
Sum Flow	142.081	107.634	600.102	602.352
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	3.39	2.075	24.377	24.472
73:30:00	3.31	2.010	23.933	24.027
74:00:00	3.22	1.945	23.489	23.582
74:30:00	3.13	1.881	23.045	23.136
75:00:00	3.04	1.816	22.601	22.691
75:30:00	2.95	1.751	22.158	22.246
76:00:00	2.86	1.686	21.714	21.800
76:30:00	2.77	1.621	21.270	21.355
77:00:00	2.68	1.556	20.826	20.909
77:30:00	2.59	1.491	20.383	20.464
78:00:00	2.50	1.427	19.939	20.019
78:30:00	2.42	1.362	19.495	19.573
79:00:00	2.33	1.297	19.051	19.128
79:30:00	2.24	1.232	18.607	18.682
80:00:00	2.15	1.167	18.164	18.237

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q100	468.85	133.86	134.71293	0.53	111.65	113.3262	2.36	605.11347	4.06	606.82401	2.65
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	23.38571954	6.015798893	5.522635772	0.021545647	4.145894943	4.124569125	0.087550516	29.19793686	0.195822565	29.44221235	0.128556207
00:30:00	23.38571954	6.245118964	5.715579065	0.022298383	4.27946397	4.269472595	0.090371146	29.54637269	0.198159429	29.78066466	0.130034022
01:00:00	23.38571954	7.249354201	6.566031485	0.025616282	4.886972911	4.918694546	0.103200155	31.6047006	0.211964071	31.80445569	0.138870684
01:30:00	23.38571954	9.356137679	8.319401765	0.032456765	6.141171552	6.258575836	0.129685567	36.00167454	0.241453371	36.13314213	0.157771421
02:00:00	23.38571954	13.01901019	11.29140821	0.044051555	8.275705774	8.542766003	0.174761377	43.58461532	0.292310078	43.59963832	0.190373062
02:30:00	23.59338486	18.26266516	15.35050341	0.059887441	11.45406095	11.86732077	0.241879971	55.51577764	0.372329115	55.34690528	0.241666221
03:00:00	24.98733837	25.3866273	20.62565192	0.080467557	15.61807028	16.196431	0.329813015	73.17226376	0.490746332	72.79256838	0.317840805
03:30:00	28.00322111	35.19829157	27.57297052	0.107571368	21.10301232	21.89146527	0.445640723	96.97509813	0.650385423	96.40385822	0.420936925
04:00:00	33.23422573	48.86106489	36.84625986	0.143749567	28.39751879	29.45778334	0.599681723	128.8440097	0.864121484	128.0223615	0.558995668
04:30:00	41.4899301	67.65181838	49.45950188	0.192958037	38.17511903	39.61507103	0.806159205	171.7397479	1.151811451	170.5867825	0.744848567
05:00:00	53.87821387	90.68791905	66.27008718	0.258541745	51.13232437	53.07982136	1.079781674	228.6062143	1.533199266	227.0268273	0.991287862
05:30:00	71.12061767	114.416805	86.38857712	0.337030694	66.74059377	69.2434804	1.409387721	298.3736048	2.001110046	296.3273862	1.293881188
06:00:00	94.22483702	134.1780519	106.7961768	0.416647556	83.04593727	85.97643224	1.753714158	375.3566697	2.517414377	372.890475	1.628185559
06:30:00	125.3329905	145.4188586	123.5676834	0.482078805	97.55169652	100.5390577	2.060038059	452.4404346	3.034394076	449.8052569	1.964025559
07:00:00	166.6071335	147.247716	133.0339628	0.519009923	107.6232621	110.111651	2.272723323	521.483841	3.497449292	519.1706843	2.266902127
07:30:00	217.4853242	141.8615171	134.71293	0.525560135	111.64785	113.3262	2.35771215	573.4052755	3.845672133	572.1052106	2.498034958
08:00:00	274.171253	131.979394	130.3370799	0.508488482	110.3667549	111.2203084	2.330658755	600.895259	4.030039923	601.1051938	2.624660219
08:30:00	332.0302138	119.9650696	122.0570472	0.476185309	105.3065594	105.4302549	2.223800588	605.11347	4.058330309	606.82401	2.649630806
09:00:00	385.9733085	106.7676394	111.765781	0.436035642	97.94033483	97.49938904	2.068245089	591.0653795	3.964113614	594.089118	2.59402529
09:30:00	430.0466607	92.75485107	100.5121893	0.392131622	89.50032436	88.60996366	1.890014023	563.9526468	3.782275941	568.0433466	2.480299272
10:00:00	458.2758481	78.5531312	88.57597015	0.345564444	80.40658913	79.09430731	1.697977992	527.821411	3.539953638	532.6821024	2.325898259
10:30:00	468.84708	64.7822621	76.21417407	0.297336949	70.81861628	69.1093559	1.495504947	486.567151	3.263272616	491.8210352	2.147482869
11:00:00	464.6215177	52.80249586	64.07152615	0.249964424	61.08223273	59.0466382	1.289897855	443.556455	2.974811658	449.0900495	1.960902684
11:30:00	449.3147647	43.50437732	52.84547145	0.206167835	51.5292242	49.296629	1.088163166	400.0222812	2.682839878	405.843589	1.772071734
12:00:00	425.8122941	36.7616224	43.76306187	0.170734321	42.68302012	40.55552458	0.901354349	356.5312663	2.391157553	362.6458171	1.583453378
12:30:00	396.845602	32.05491417	36.99661904	0.144336168	35.36167435	33.32291467	0.746746572	313.775254	2.104404689	320.083268	1.397608653
13:00:00	365.4129133	28.72966063	32.09724386	0.125222069	29.72582841	27.91706273	0.627732167	273.9944944	1.83760603	280.305862	1.223924952
13:30:00	333.4514563	26.37898064	28.6328474	0.111706301	25.56453539	23.9992814	0.539856484	237.6750402	1.594021398	243.8577289	1.064778157
14:00:00	301.5738514	24.74877151	26.12100795	0.101906777	22.4590136	21.19673817	0.474275942	205.145361	1.375853749	210.9865289	0.92124965
14:30:00	270.0085411	23.64783435	24.3034795	0.094815991	20.18354063	19.14600405	0.426223872	177.1248549	1.187927889	182.3113727	0.79604271
15:00:00	239.7942493	22.9344975	23.01416282	0.089785936	18.52010525	17.66197298	0.391096444	154.5193456	1.036318929	158.7266998	0.69306281
15:30:00	211.7746593	22.50317474	22.12541526	0.086318635	17.32106933	16.60649382	0.365775925	137.2119038	0.920242658	140.5228907	0.613577865
16:00:00	185.8846285	22.16799402	21.54010915	0.08403516	16.47242847	15.8735984	0.347854838	124.0461895	0.831943818	126.6334828	0.552931281
16:30:00	162.2748836	21.83780576	21.173629	0.082605399	15.8871548	15.38277491	0.33549538	114.1341893	0.765466747	116.1501404	0.507156911
17:00:00	141.3373014	21.5125356	20.85442322	0.08136007	15.49935516	15.07243666	0.327306061	106.736978	0.715855677	108.3080797	0.472915408
17:30:00	123.7029416	21.19211027	20.54002967	0.080133516	15.24093004	14.82679858	0.321848795	101.2638381	0.679148827	102.4909546	0.447515567
18:00:00	109.7343954	20.87645762	20.2303758	0.078925453	14.99901396	14.58516371	0.316740156	97.25343262	0.652252136	98.2151627	0.428845788
18:30:00	98.97334405	20.56550656	19.92539016	0.077735602	14.76093775	14.3474668	0.311712606	94.35079727	0.632784956	95.10745342	0.415276315
19:00:00	90.80901111	20.25918706	19.62500236	0.076563689	14.52664048	14.11364368	0.306764857	92.2856103	0.618934312	92.88295908	0.405563303
19:30:00	84.66799882	19.95743014	19.3291431	0.075409443	14.29606217	13.88363122	0.301895643	90.85352305	0.609329695	91.32599844	0.398765004
20:00:00	80.08244822	19.66016783	19.03774411	0.074272598	14.06914377	13.6573673	0.297103717	89.6994601	0.601589711	90.16138424	0.393679843
20:30:00	76.6829387	19.36733318	18.75073814	0.073152892	13.8458272	13.43479085	0.292387852	88.56005659	0.593948044	89.02657205	0.38872481
21:00:00	74.18319722	19.07886026	18.46805896	0.072050066	13.62605529	13.21584177	0.287746841	87.4351263	0.586403444	87.90604312	0.383832143
21:30:00	72.36412867	18.79468409	18.18964135	0.070963866	13.40977177	13.00046093	0.283179495	86.32448539	0.57895468	86.79961767	0.379001057
22:00:00	71.05951625	18.51474067	17.91542106	0.069894041	13.19692128	12.7885902	0.278684647	85.22795235	0.571600533	85.7071182	0.374230777
22:30:00	70.11728392	18.23896696	17.64533482	0.068840345	12.98744931	12.58017236	0.274261144	84.14534797	0.564339802	84.62836943	0.369520538
23:00:00	69.24370249	17.96730084	17.37932029	0.067802533	12.78130225	12.37515114	0.269907854	83.07649532	0.5571713	83.56319828	0.364869585
23:30:00	68.38100489	17.69968115	17.11731611	0.066780367	12.57842732	12.17347118	0.265623663	82.02121974	0.550093856	82.51143385	0.36027717
24:00:00	67.52905553	17.4360476	16.85926179	0.065773611	12.37877258	11.97507804	0.261407475	80.97934874	0.543106313	81.47290742	0.355742558
24:30:00	66.68772048	17.17634083	16.60509781	0.064782033	12.18228692	11.77991814	0.257258209	79.95071206	0.536207528	80.44745234	0.35126502
25:00:00	65.8568675	16.92050234	16.35476552	0.063805403	11.98892004	11.5879388	0.253174803	78.9351416	0.529396375	79.43490412	0.346843839
25:30:00	65.03636601	16.66847452	16.10820714	0.062843496	11.79862242	11.39908818	0.249156213	77.93247138	0.522671741	78.43510028	0.342478304
26:00:00	64.22608702	16.4202006	15.86536578	0.061896091	11.61134536	11.21331529	0.245201408	76.94253753	0.516032525	77.44788043	0.338167717
26:30:00	63.4259032	16.17562469	15.62618541	0.060962968	11.42704091	11.03056997	0.241309378	75.96517827	0.509477645	76.47308618	0.333911384
27:00:00	62.63568875	15.93469168	15.39061083	0.060043913	11.24566189	10.85080289	0.237479125	75.00023388	0.503006027	75.51056113	0.329708623
27:30:00	61.85531947	15.69734733	15.15858769	0.059138714	11.06716186	10.6739655	0.233709668	74.04754665	0.496616615	74.56015086	0.325558761
28:00:00	61.0846727	15.46353819	14.93006244	0.05824716	10.89149512	10.50001006	0.230000044	73.1069609	0.490308363	73.62170289	0.32146113
28:30:00	60.32362731	15.23321158	14.70498235	0.057369048	10.7186167	10.3288896	0.226349301	72.17832289	0.484080243	72.69506665	0.317415074
29:00:00	59.57206368	15.00631565	14.48329549	0.056504173	10.54848234	10.16055792	0.222756506	71.26148086	0.477931234	71.78009347	0.313419944
29:30:00	58.82986368	14.7827993	14.2649507	0.055652337	10.3810485	9.994969566	0.219220739	70.35628498	0.471860333	70.87663657	0.309475098
30:00:00	58.09691064	14.56261217	14.04989759	0.054813343	10.21627229	9.832079837	0.215741094	69.46258731	0.465866548	69.98455098	0.305579903
30:30:00	57.37308936	14.3457047	13.83808655	0.053986998	10.05411154	9.67184475	0.212316681	68.5802418	0.459948898	69.10369359	0.301733736
31:00:00	56.65828607	14.13202802	13.62946868	0.05317311	9.894524738	9.514221042	0.208946623	67.70910425	0.454106417	68.23392307	0.297935977
31:30:00	55.95238842	13.92153402	13.42399587	0.052371492	9.737471022	9.359166154	0.205630057	66.84903228	0.44833815	67.37509987	0.29418602
32:00:00	55.25528544	13.71417529	13.22162068	0.051581958	9.582910186	9.206638223	0.202366134	65.99988534	0.442643154	66.52708622	0.290483261
32:30:00	54.56686758	13.50990513	13.02229643	0.050804328	9.430802663	9.056596065	0.199154019	65.16152465	0.437020499	65.68974605	0.286827106
33:00:00	53.88702661	13.30867754	12.82597712	0.050038421	9.28110951	8.90899917	0.195992889	64.3338132	0.431469265	64.86294503	0.28321697
33:30:00	53.21565569	13.1104472	12.63261744	0.04928406	9.133792405	8.763807686	0.192881935	63.51661572	0.425988545	64.0465505	0.279652272
34:00:00	52.55264928	12.91516946	12.44217279	0.048541072	8.988813633	8.620982413	0.18982036	62.70979865	0.420577444	63.24043148	0.276132442
34:30:00	51.89790318	12.72280035	12.2545992	0.047809285	8.84613608	8.480484788	0.186807382	61.91323015	0.415235077	62.44445865	0.272656913
35:00:00	51.25131447	12.53329654	12.06985341	0.04708853	8.705723217	8.342276877	0.183842227	61.12678002	0.409960572	61.65850429	0.269225129
35:30:00	50.61278152	12.34661535	11.88789278	0.04637864	8.567539098	8.206321364	0.180924138	60.35031974	0.404753065	60.8824423	0.265836539
36:00:00	49.98220396	12.16271475	11.70867531	0.045679453	8.431548346	8.072581541	0.178052367	59.58372241	0.399611707	60.11614819	0.2624906

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	134.713	113.326	605.113	606.824
Sum Flow	147.767	114.006	622.819	625.145
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	6.04	4.233	33.852	33.981
00:30:00	6.27	4.370	34.221	34.351
01:00:00	7.27	4.990	35.863	36.002
01:30:00	9.39	6.271	39.287	39.444
02:00:00	13.06	8.450	45.192	45.382
02:30:00	18.32	11.696	53.984	54.226
03:00:00	25.47	15.948	66.893	67.211
03:30:00	35.31	21.549	85.508	85.929
04:00:00	49.00	28.997	112.100	112.659
04:30:00	67.84	38.981	149.468	150.213
05:00:00	90.95	52.212	198.570	199.561
05:30:00	114.75	68.150	256.026	257.319
06:00:00	134.59	84.800	316.137	317.765
06:30:00	145.90	99.612	373.880	375.844
07:00:00	147.77	109.896	427.767	430.034
07:30:00	142.39	114.006	477.724	480.222
08:00:00	132.49	112.697	523.387	526.011
08:30:00	120.44	107.530	564.060	566.710
09:00:00	107.20	100.009	597.150	599.744
09:30:00	93.15	91.390	618.366	620.847
10:00:00	78.90	82.105	622.819	625.145
10:30:00	65.08	72.314	609.504	611.652
11:00:00	53.05	62.372	583.021	584.982
11:30:00	43.71	52.617	548.326	550.098
12:00:00	36.93	43.584	508.720	510.304
12:30:00	32.20	36.108	467.258	468.655
13:00:00	28.85	30.354	426.459	427.683
13:30:00	26.49	26.104	387.641	388.705
14:00:00	24.85	22.933	350.734	351.655
14:30:00	23.74	20.610	315.549	316.345
15:00:00	23.02	18.911	282.766	283.459
15:30:00	22.59	17.687	252.971	253.585
16:00:00	22.25	16.820	225.789	226.342
16:30:00	21.92	16.223	201.183	201.691
17:00:00	21.59	15.827	179.474	179.947
17:30:00	21.27	15.563	161.217	161.665
18:00:00	20.96	15.316	146.658	147.087
18:30:00	20.64	15.073	135.322	135.737
19:00:00	20.34	14.833	126.597	127.003
19:30:00	20.03	14.598	119.908	120.307
20:00:00	19.73	14.366	114.785	115.178
20:30:00	19.44	14.138	110.856	111.244
21:00:00	19.15	13.914	107.834	108.218
21:30:00	18.87	13.693	105.502	105.881
22:00:00	18.58	13.476	103.691	104.066
22:30:00	18.31	13.262	102.251	102.621
23:00:00	18.04	13.051	100.887	101.252
23:30:00	17.77	12.844	99.542	99.902
24:00:00	17.50	12.640	98.214	98.570
24:30:00	17.24	12.440	96.905	97.256
25:00:00	16.98	12.242	95.613	95.960
25:30:00	16.73	12.048	94.338	94.681
26:00:00	16.48	11.857	93.081	93.419
26:30:00	16.24	11.668	91.840	92.174
27:00:00	15.99	11.483	90.617	90.946
27:30:00	15.76	11.301	89.409	89.735
28:00:00	15.52	11.121	88.218	88.540
28:30:00	15.29	10.945	87.043	87.361
29:00:00	15.06	10.771	85.884	86.197
29:30:00	14.84	10.600	84.740	85.050
30:00:00	14.62	10.432	83.612	83.918
30:30:00	14.40	10.266	82.499	82.801
31:00:00	14.19	10.103	81.401	81.699
31:30:00	13.97	9.943	80.318	80.612
32:00:00	13.77	9.785	79.249	79.539
32:30:00	13.56	9.630	78.195	78.481
33:00:00	13.36	9.477	77.154	77.438
33:30:00	13.16	9.327	76.128	76.408
34:00:00	12.96	9.179	75.116	75.392
34:30:00	12.77	9.033	74.117	74.389
35:00:00	12.58	8.890	73.131	73.400
35:30:00	12.39	8.748	72.159	72.425
36:00:00	12.21	8.610	71.200	71.462

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q100	468.85	133.86	134.71293	0.53	111.65	113.3262	2.36	605.11347	4.06	606.82401	2.65
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	49.35948267	11.98155331	11.53215966	0.044990807	8.297716147	7.941021299	0.175226179	58.82686276	0.394535656	59.35949901	0.259186773
37:00:00	48.74451979	11.80309025	11.3583051	0.044312542	8.166008239	7.811605116	0.172444851	58.07961708	0.389524084	58.61237335	0.255924531
37:30:00	48.13721864	11.62728535	11.1870715	0.043644502	8.036390903	7.684298052	0.16970767	57.34186325	0.384576171	57.87465136	0.252703348
38:00:00	47.53748377	11.45409904	11.01841936	0.042986534	7.908830955	7.559065732	0.167013936	56.61348071	0.379691109	57.14621467	0.249522709
38:30:00	46.94522091	11.28349231	10.85230976	0.042338485	7.78329574	7.435874345	0.164362958	55.89435042	0.374868099	56.42694642	0.246382103
39:00:00	46.36033697	11.11542673	10.68870436	0.041700206	7.659753119	7.314690628	0.16175406	55.18435485	0.370106354	55.71673121	0.243281025
39:30:00	45.78274003	10.94986446	10.52756542	0.041071549	7.538171464	7.195481864	0.159186571	54.48337797	0.365405094	55.01545508	0.24021898
40:00:00	45.21233928	10.78676821	10.36885574	0.04045237	7.418519649	7.078215865	0.156659836	53.79130522	0.360763551	54.32300554	0.237195474
40:30:00	44.64904507	10.62610125	10.21253872	0.039842525	7.300767043	6.962860971	0.154173208	53.10802349	0.356180968	53.63927149	0.234210024
41:00:00	44.09276887	10.46782739	10.05857827	0.039241873	7.184883498	6.849386034	0.151726049	52.43342112	0.351656594	52.96414322	0.23126215
41:30:00	43.54342323	10.311911	9.906938875	0.038650278	7.070839349	6.737760419	0.149317733	51.76738786	0.347189692	52.29751242	0.22835138
42:00:00	43.00092181	10.15831695	9.757585538	0.0380676	6.958605399	6.627953985	0.146947644	51.10981485	0.34277953	51.63927214	0.225477245
42:30:00	42.46517935	10.00701066	9.610483797	0.037493707	6.848152915	6.519937085	0.144615175	50.46059464	0.338425388	50.98931677	0.222639286
43:00:00	41.93611162	9.857958044	9.465599706	0.036928466	6.73945362	6.413680555	0.142319728	49.81962112	0.334126554	50.34754204	0.219837047
43:30:00	41.41363548	9.711125543	9.322899835	0.036371746	6.632479686	6.309155706	0.140060717	49.18678953	0.329882326	49.71384497	0.217070078
44:00:00	40.89766879	9.566480085	9.182351254	0.035823419	6.527203727	6.206334316	0.137837563	48.56199647	0.32569201	49.0881239	0.214337935
44:30:00	40.38813046	9.423989095	9.043921531	0.035283359	6.423598791	6.105188624	0.135649696	47.94513981	0.321554921	48.47027845	0.21164018
45:00:00	39.88494039	9.283620482	8.907578723	0.03475144	6.321638354	6.005691321	0.133496557	47.33611874	0.317470383	47.86020948	0.208976381
45:30:00	39.3880195	9.145342635	8.773291369	0.03422754	6.221296314	5.907815542	0.131377594	46.73483374	0.31343773	47.25781911	0.206346109
46:00:00	38.89728968	9.009124411	8.641028481	0.033711538	6.122546982	5.811534862	0.129292265	46.14118653	0.3094563	46.6630107	0.203748943
46:30:00	38.4126738	8.874935133	8.51075954	0.033203316	6.025365078	5.716823284	0.127240036	45.55508011	0.305525445	46.07568883	0.201184466
47:00:00	37.93409567	8.74274458	8.382454485	0.032702755	5.929725722	5.623655237	0.125220382	44.97641867	0.301644521	45.49575925	0.198652267
47:30:00	37.46148008	8.612522981	8.256083709	0.03220974	5.835604429	5.532005566	0.123232785	44.40510766	0.297812895	44.92312893	0.196151939
48:00:00	36.99475274	8.484241009	8.131618052	0.031724158	5.742977104	5.441849525	0.121276737	43.8410537	0.29402994	44.35770599	0.193683082
48:30:00	36.5338403	8.357869775	8.009028794	0.031245896	5.651820032	5.353162772	0.119351736	43.28416461	0.290295037	43.79939973	0.191245298
49:00:00	36.07867029	8.233380816	7.888287645	0.030774845	5.562109878	5.265921363	0.117457291	42.73434938	0.286607577	43.24812056	0.188838198
49:30:00	35.62917119	8.110746099	7.769366746	0.030310895	5.473823674	5.180101742	0.115592916	42.19151816	0.282966956	42.70378004	0.186461395
50:00:00	35.18527233	7.989938003	7.652238653	0.029853939	5.386938819	5.095680738	0.113758134	41.65558222	0.279372581	42.16629084	0.184114507
50:30:00	34.74690395	7.870929322	7.536876341	0.029403872	5.301433069	5.012635557	0.111952475	41.12645399	0.275823863	41.63556673	0.181797158
51:00:00	34.31399714	7.753693254	7.423253187	0.02896059	5.217284534	4.930943778	0.110175477	40.60404699	0.272320222	41.11152255	0.179508976
51:30:00	33.88648385	7.638203396	7.311342975	0.028523991	5.13447167	4.850583344	0.108426685	40.08827584	0.268861086	40.59407422	0.177249594
52:00:00	33.46429689	7.524433738	7.201119879	0.028093974	5.052973278	4.771532557	0.106705651	39.57905625	0.26544589	40.08313874	0.17501865
52:30:00	33.0473699	7.412358659	7.092558466	0.02767044	4.972768493	4.693770075	0.105011934	39.076305	0.262074075	39.57863412	0.172815786
53:00:00	32.63563734	7.301952918	6.985633684	0.02725329	4.893836782	4.617274901	0.103345102	38.57993992	0.25874509	39.08047943	0.170640648
53:30:00	32.22903451	7.19319165	6.880320861	0.02684243	4.816157937	4.542026382	0.101704727	38.0898799	0.255458392	38.58859474	0.168492887
54:00:00	31.82749748	7.086050362	6.776595695	0.026437763	4.739712072	4.468004202	0.100090389	37.60604485	0.252213443	38.10290113	0.166372159
54:30:00	31.43096314	6.980504924	6.674434251	0.026039197	4.664479616	4.395188373	0.098501675	37.12835569	0.249009713	37.62332069	0.164278123
55:00:00	31.03936917	6.876531566	6.573812955	0.02564664	4.590441309	4.323559236	0.096938179	36.65673436	0.245846677	37.14977646	0.162210444
55:30:00	30.65265401	6.774106872	6.474708588	0.025260001	4.517578197	4.253097452	0.095399499	36.19110378	0.242723821	36.68219248	0.16016879
56:00:00	30.27075689	6.673207776	6.377098282	0.02487919	4.445871625	4.183783995	0.093885243	35.73138785	0.239640632	36.22049372	0.158152832
56:30:00	29.89361777	6.573811554	6.280959513	0.024504121	4.375303238	4.114470538	0.092395022	35.27751144	0.236596607	35.76460611	0.156162249
57:00:00	29.52117737	6.47589582	6.186270096	0.024134706	4.305854967	4.045157082	0.090928456	34.82940037	0.233591249	35.31445651	0.15419672
57:30:00	29.15337715	6.379438523	6.093008182	0.02377086	4.237509034	3.975843625	0.089485167	34.38698142	0.230624066	34.86997269	0.15225593
58:00:00	28.7901593	6.284417941	6.00115225	0.023412499	4.170247942	3.906530168	0.088064788	33.95018228	0.227694574	34.43108336	0.150339567
58:30:00	28.43146674	6.190812673	5.910681104	0.023059541	4.102986849	3.837216712	0.086644409	33.51893155	0.224802293	33.99771808	0.148447325
59:00:00	28.07724307	6.098601638	5.821573867	0.022711904	4.035725757	3.767903255	0.085224029	33.09315878	0.221946752	33.56980734	0.1465789
59:30:00	27.72743263	6.006390603	5.733809978	0.022369508	3.968464665	3.698589798	0.08380365	32.67279436	0.219127483	33.14728247	0.144733991
60:00:00	27.38198043	5.914179569	5.647369185	0.022032273	3.901203573	3.629276342	0.082383271	32.2577696	0.216344026	32.7300757	0.142912303
60:30:00	27.04083217	5.821968534	5.562231541	0.021700123	3.83394248	3.559962885	0.080962892	31.84801668	0.213595925	32.31812008	0.141113544
61:00:00	26.70393423	5.729757499	5.477093897	0.021367973	3.766681388	3.490649428	0.079542512	31.44346862	0.210882732	31.91134952	0.139337425
61:30:00	26.37123365	5.637546464	5.391956253	0.021035822	3.699420296	3.421335972	0.078122133	31.04405932	0.208204003	31.50969876	0.13758366
62:00:00	26.04267814	5.54533543	5.306818609	0.020703672	3.632159203	3.352022515	0.076701754	30.6497235	0.205559301	31.11310336	0.13585197
62:30:00	25.71821606	5.453124395	5.221680965	0.020371522	3.564898111	3.282709058	0.075281374	30.26039671	0.202948193	30.72149968	0.134142075
63:00:00	25.3977964	5.36091336	5.136543321	0.020039371	3.497637019	3.213395602	0.073860995	29.87601533	0.200370252	30.33482491	0.132453702
63:30:00	25.08136881	5.268702326	5.051405678	0.019707221	3.430375927	3.144082145	0.072440616	29.49651654	0.197825058	29.95301701	0.130786579
64:00:00	24.76888355	5.176491291	4.966268034	0.01937507	3.363114834	3.074768688	0.071020236	29.11701775	0.195279863	29.57120911	0.129119457
64:30:00	24.4602915	5.084280256	4.88113039	0.01904292	3.295853742	3.005455232	0.069599857	28.73751895	0.192734669	29.1894012	0.127452334
65:00:00	24.15554415	4.992069222	4.795992746	0.01871077	3.22859265	2.936141775	0.068179478	28.35802016	0.190189474	28.8075933	0.125785212
65:30:00	23.8545936	4.899858187	4.710855102	0.018378619	3.161331558	2.866828318	0.066759099	27.97852137	0.18764428	28.42578539	0.124118089
66:00:00	23.55739256	4.807647152	4.625717458	0.018046469	3.094070465	2.797514862	0.065338719	27.59902258	0.185099085	28.04397749	0.122450967
66:30:00	23.26019152	4.715436118	4.540579814	0.017714318	3.026809373	2.728201405	0.06391834	27.21952378	0.182553891	27.66216958	0.120783844
67:00:00	22.96299048	4.623225083	4.45544217	0.017382168	2.959548281	2.658887948	0.062497961	26.84002499	0.180008696	27.28036168	0.119116722
67:30:00	22.66578943	4.531014048	4.370304527	0.017050018	2.892287189	2.589574492	0.061077581	26.4605262	0.177463502	26.89855377	0.117449599
68:00:00	22.36858839	4.438803014	4.285166883	0.016717867	2.825026096	2.520261035	0.059657202	26.0810274	0.174918307	26.51674587	0.115782477
68:30:00	22.07138735	4.346591979	4.200029239	0.016385717	2.757765004	2.450947578	0.058236823	25.70152861	0.172373113	26.13493796	0.114115354
69:00:00	21.7741863	4.254380944	4.114891595	0.016053567	2.690503912	2.381634122	0.056816444	25.32202982	0.169827919	25.75313006	0.112448232
69:30:00	21.47698526	4.16216991	4.029753951	0.015721416	2.62324282	2.312320665	0.055396064	24.94253103	0.167282724	25.37132216	0.110781109
70:00:00	21.17978422	4.069958875	3.944616307	0.015389266	2.555981727	2.243007208	0.053975685	24.56303223	0.16473753	24.98951425	0.109113986
70:30:00	20.88258318	3.97774784	3.859478663	0.015057115	2.488720635	2.173693752	0.052555306	24.18353344	0.162192335	24.60770635	0.107446864
71:00:00	20.58538213	3.885536805	3.77434102	0.014724965	2.421459543	2.104380295	0.051134926	23.80403465	0.159647141	24.22589844	0.105779741
71:30:00	20.28818109	3.793325771	3.689203376	0.014392815	2.354198451	2.035066838	0.049714547	23.42453585	0.157101946	23.84409054	0.104112619
72:00:00	19.99098005	3.701114736	3.604065732	0.014060664	2.286937358	1.965753382	0.048294168	23.04503706	0.154556752	23.46228263	0.102445496
72:30:00	19.693779	3.608903701	3.518928088	0.013728514	2.219676266	1.896439925	0.046873788	22.66553827	0.152011557	23.08047473	0.100778374

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	134.713	113.326	605.113	606.824
Sum Flow	147.767	114.006	622.819	625.145
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	12.03	8.473	70.254	70.513
37:00:00	11.85	8.338	69.320	69.576
37:30:00	11.67	8.206	68.399	68.652
38:00:00	11.50	8.076	67.490	67.740
38:30:00	11.33	7.948	66.594	66.840
39:00:00	11.16	7.822	65.709	65.952
39:30:00	10.99	7.697	64.836	65.077
40:00:00	10.83	7.575	63.976	64.213
40:30:00	10.67	7.455	63.126	63.360
41:00:00	10.51	7.337	62.288	62.519
41:30:00	10.35	7.220	61.461	61.690
42:00:00	10.20	7.106	60.646	60.871
42:30:00	10.04	6.993	59.841	60.064
43:00:00	9.89	6.882	59.047	59.267
43:30:00	9.75	6.773	58.264	58.481
44:00:00	9.60	6.665	57.491	57.705
44:30:00	9.46	6.559	56.728	56.940
45:00:00	9.32	6.455	55.976	56.185
45:30:00	9.18	6.353	55.234	55.440
46:00:00	9.04	6.252	54.501	54.705
46:30:00	8.91	6.153	53.779	53.980
47:00:00	8.78	6.055	53.066	53.265
47:30:00	8.64	5.959	52.363	52.559
48:00:00	8.52	5.864	51.669	51.863
48:30:00	8.39	5.771	50.984	51.176
49:00:00	8.26	5.680	50.309	50.498
49:30:00	8.14	5.589	49.643	49.829
50:00:00	8.02	5.501	48.985	49.169
50:30:00	7.90	5.413	48.336	48.518
51:00:00	7.78	5.327	47.696	47.876
51:30:00	7.67	5.243	47.065	47.242
52:00:00	7.55	5.160	46.442	46.617
52:30:00	7.44	5.078	45.827	46.000
53:00:00	7.33	4.997	45.221	45.391
53:30:00	7.22	4.918	44.622	44.791
54:00:00	7.11	4.840	44.032	44.198
54:30:00	7.01	4.763	43.449	43.614
55:00:00	6.90	4.687	42.875	43.037
55:30:00	6.80	4.613	42.308	42.468
56:00:00	6.70	4.540	41.748	41.906
56:30:00	6.60	4.468	41.196	41.352
57:00:00	6.50	4.397	40.652	40.806
57:30:00	6.40	4.327	40.114	40.266
58:00:00	6.31	4.258	39.584	39.734
58:30:00	6.21	4.190	39.060	39.208
59:00:00	6.12	4.121	38.541	38.688
59:30:00	6.03	4.052	38.028	38.172
60:00:00	5.94	3.984	37.518	37.661
60:30:00	5.84	3.915	37.013	37.154
61:00:00	5.75	3.846	36.512	36.652
61:30:00	5.66	3.778	36.016	36.153
62:00:00	5.57	3.709	35.523	35.659
62:30:00	5.47	3.640	35.035	35.169
63:00:00	5.38	3.571	34.551	34.683
63:30:00	5.29	3.503	34.070	34.201
64:00:00	5.20	3.434	33.594	33.723
64:30:00	5.10	3.365	33.122	33.249
65:00:00	5.01	3.297	32.653	32.779
65:30:00	4.92	3.228	32.189	32.313
66:00:00	4.83	3.159	31.728	31.850
66:30:00	4.73	3.091	31.267	31.387
67:00:00	4.64	3.022	30.806	30.925
67:30:00	4.55	2.953	30.345	30.462
68:00:00	4.46	2.885	29.884	29.999
68:30:00	4.36	2.816	29.423	29.537
69:00:00	4.27	2.747	28.962	29.074
69:30:00	4.18	2.679	28.501	28.612
70:00:00	4.09	2.610	28.040	28.149
70:30:00	3.99	2.541	27.579	27.686
71:00:00	3.90	2.473	27.118	27.224
71:30:00	3.81	2.404	26.657	26.761
72:00:00	3.72	2.335	26.196	26.298
72:30:00	3.62	2.267	25.735	25.836

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q100	468.85	133.86	134.71293	0.53	111.65	113.3262	2.36	605.11347	4.06	606.82401	2.65
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	19.39657796	3.516692667	3.433790444	0.013396363	2.152415174	1.827126468	0.045453409	22.28603948	0.149466363	22.69866682	0.099111251
73:30:00	19.09937692	3.424481632	3.3486528	0.013064213	2.085154081	1.757813012	0.04403303	21.90654068	0.146921168	22.31685892	0.097444129
74:00:00	18.80217588	3.332270597	3.263515156	0.012732063	2.017892989	1.688499555	0.042612651	21.52704189	0.144375974	21.93505101	0.095777006
74:30:00	18.50497483	3.240059563	3.178377512	0.012399912	1.950631897	1.619186098	0.041192271	21.1475431	0.141830779	21.55324311	0.094109884
75:00:00	18.20777379	3.147848528	3.093239869	0.012067762	1.883370805	1.549872642	0.039771892	20.76804431	0.139285585	21.1714352	0.092442761
75:30:00	17.91057275	3.055637493	3.008102225	0.011735611	1.816109712	1.480559185	0.038351513	20.38854551	0.136740391	20.7896273	0.090775638
76:00:00	17.6133717	2.963426459	2.922964581	0.011403461	1.74884862	1.411245728	0.036931133	20.00904672	0.134195196	20.4078194	0.089108516
76:30:00	17.31617066	2.871215424	2.837826937	0.011071311	1.681587528	1.341932272	0.035510754	19.62954793	0.131650002	20.02601149	0.087441393
77:00:00	17.01896962	2.779004389	2.752689293	0.01073916	1.614326436	1.272618815	0.034090375	19.25004913	0.129104807	19.64420359	0.085774271
77:30:00	16.72176858	2.686793355	2.667551649	0.01040701	1.547065343	1.203305358	0.032669995	18.87055034	0.126559613	19.26239568	0.084107148
78:00:00	16.42456753	2.59458232	2.582414005	0.01007486	1.479804251	1.133991902	0.031249616	18.49105155	0.124014418	18.88058778	0.082440026
78:30:00	16.12736649	2.502371285	2.497276361	0.009742709	1.412543159	1.064678445	0.029829237	18.11155276	0.121469224	18.49877987	0.080772903
79:00:00	15.83016545	2.410160251	2.412138718	0.009410559	1.345282067	0.995364988	0.028408858	17.73205396	0.118924029	18.11697197	0.079105781
79:30:00	15.5329644	2.317949216	2.327001074	0.009078408	1.278020974	0.926051532	0.026988478	17.35255517	0.116378835	17.73516406	0.077438658
80:00:00	15.23576336	2.225738181	2.24186343	0.008746258	1.210759882	0.856738075	0.025568099	16.97305638	0.11383364	17.35335616	0.075771536

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	134.713	113.326	605.113	606.824
Sum Flow	147.767	114.006	622.819	625.145
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	3.53	2.198	25.274	25.373
73:30:00	3.44	2.129	24.813	24.910
74:00:00	3.35	2.061	24.352	24.448
74:30:00	3.25	1.992	23.891	23.985
75:00:00	3.16	1.923	23.430	23.523
75:30:00	3.07	1.854	22.969	23.060
76:00:00	2.97	1.786	22.508	22.597
76:30:00	2.88	1.717	22.047	22.135
77:00:00	2.79	1.648	21.586	21.672
77:30:00	2.70	1.580	21.125	21.209
78:00:00	2.60	1.511	20.664	20.747
78:30:00	2.51	1.442	20.203	20.284
79:00:00	2.42	1.374	19.742	19.821
79:30:00	2.33	1.305	19.281	19.359
80:00:00	2.23	1.236	18.820	18.896

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q200	505.15	146.31	147.24006	0.57	128.14	130.065	2.71	651.96489	4.37	653.80787	2.85
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	25.19637857	6.575215831	6.036192832	0.023549204	4.758262659	4.73378692	0.100482129	31.45861171	0.210984293	31.72180043	0.138509779
00:30:00	25.19637857	6.825860673	6.247078172	0.024371938	4.911560445	4.900093298	0.10371938	31.83402548	0.21350209	32.0864577	0.140102015
01:00:00	25.19637857	7.923481046	7.176615265	0.027998373	5.608801245	5.645208311	0.118443292	34.05172115	0.228375567	34.26694245	0.149622864
01:30:00	25.19637857	10.22617705	9.093033721	0.035474962	7.048250783	7.182996219	0.148840721	38.78913451	0.260148101	38.93078108	0.169987006
02:00:00	25.19637857	14.22966483	12.3414109	0.048147966	9.498065509	9.80457176	0.200574435	46.95919086	0.314942431	46.97537704	0.205112857
02:30:00	25.42012255	19.96093407	16.77796662	0.065456452	13.14587834	13.62017853	0.277606753	59.81413348	0.401157011	59.63218603	0.260377432
03:00:00	26.92200409	27.74736269	22.54365803	0.08795034	17.92493096	18.58871821	0.378527912	78.83768791	0.52874278	78.42859429	0.342449897
03:30:00	30.17139408	38.47142633	30.1370168	0.117574568	24.22002412	25.12493518	0.511463903	104.4834768	0.700742062	103.8680081	0.453528321
04:00:00	35.80741364	53.40471865	40.27264133	0.157117025	32.59196269	33.80883317	0.688257467	138.8198656	0.931026817	137.9346007	0.602276379
04:30:00	44.70232287	73.94284868	54.05880508	0.210901455	43.81375937	45.46639888	0.92523262	185.0368425	1.240991423	183.7946078	0.802519094
05:00:00	58.04977995	99.1211062	72.4326285	0.282583877	58.68480341	60.91995465	1.239270385	246.3062429	1.65190851	244.6045706	1.068039159
05:30:00	76.62719138	125.056572	94.4219629	0.368371615	76.59848586	79.47106034	1.617560757	321.4754324	2.156047676	319.2707836	1.394061029
06:00:00	101.5202744	146.6554428	116.7272917	0.455392152	95.31220345	98.67554598	2.012745791	404.418976	2.712327305	401.761834	1.754249197
06:30:00	135.0370028	158.9415468	135.0584025	0.526907938	111.9605299	115.3891381	2.364315137	487.4710163	3.269334593	484.6318077	2.116091892
07:00:00	179.5068311	160.940472	145.4049635	0.567273328	123.519712	126.3756473	2.608414992	561.8601666	3.768242249	559.3679117	2.442418933
07:30:00	234.3243086	155.0534034	147.24006	0.574432653	128.13875	130.065	2.705957058	617.8016619	4.143426536	616.4009383	2.691447419
08:00:00	295.3991931	144.252329	142.457294	0.555773485	126.6684313	127.6480585	2.674907752	647.4200805	4.342069158	647.6462696	2.827876747
08:30:00	357.7379327	131.120777	133.4072902	0.520466398	120.8608216	121.0027875	2.552266144	651.96489	4.37254995	653.80787	2.854780703
09:00:00	415.8576169	116.6961006	122.1590258	0.476583161	112.4065719	111.9004964	2.373734383	636.8291143	4.271038448	640.0869683	2.794869883
09:30:00	463.3433856	101.3802449	109.8589481	0.42859645	102.7199332	101.6980621	2.169177771	607.6171554	4.075121841	612.0245811	2.672338532
10:00:00	493.7582416	85.85788871	96.81276444	0.37769893	92.28301148	90.77689961	1.948777136	568.6884282	3.81403753	573.9254628	2.505982891
10:30:00	505.14796	70.80644864	83.30142892	0.324986697	81.27885102	79.31712504	1.716397894	524.2400224	3.515934246	529.9006931	2.313753539
11:00:00	500.59523	57.7126684	70.02962043	0.27320894	70.10435893	67.76809774	1.48042169	477.8991871	3.205138956	483.8612248	2.112727226
11:30:00	484.1033388	47.54990577	57.75964035	0.225339649	59.14032717	56.57796742	1.248889862	430.9943431	2.890561014	437.2663706	1.909275881
12:00:00	458.7811695	40.18013333	47.83264572	0.186611127	48.98749815	46.54576174	1.034488524	384.1359999	2.57629494	390.7239749	1.70605359
12:30:00	427.5717069	35.03574219	40.43698261	0.157758175	40.58475599	38.24486214	0.857044469	338.0695673	2.267339994	344.8659846	1.50581968
13:00:00	393.7053159	31.40126902	35.08200818	0.136866631	34.11646973	32.04054106	0.72045109	295.2087489	1.979884224	302.0087794	1.318688372
13:30:00	359.2692161	28.83199625	31.295453	0.122094015	29.34053463	27.54408544	0.619595765	256.0772304	1.717439847	262.7386189	1.147219502
14:00:00	324.9234608	27.05019186	28.55003435	0.11138322	25.77631302	24.32759371	0.544328676	221.0289133	1.482380384	227.3223385	0.992578179
14:30:00	290.9141797	25.84687712	26.56349157	0.103633053	23.16474224	21.97395674	0.489179095	190.8388959	1.279904206	196.4269843	0.857676987
15:00:00	258.360521	25.06720615	25.15427966	0.098135247	21.25560982	20.27072748	0.448863185	166.483136	1.116556795	171.0162482	0.746723782
15:30:00	228.1714906	24.59577413	24.18288631	0.094345517	19.87947079	19.05934919	0.419802708	147.835651	0.99149322	151.4029939	0.661084648
16:00:00	200.2769024	24.22942453	23.54315182	0.091849699	18.90548178	18.21820175	0.399234594	133.6505701	0.896357768	136.4381869	0.595742451
16:30:00	174.8391531	23.86853163	23.14259221	0.090286982	18.2337605	17.65488139	0.385049588	122.971125	0.824733655	125.1431629	0.546423962
17:00:00	152.280461	23.51301417	22.79370308	0.088925849	17.78868107	17.29870475	0.375650669	115.0011784	0.771281406	116.693924	0.509531282
17:30:00	133.2807461	23.16279208	22.45007366	0.087585236	17.49208538	17.0167848	0.369387339	109.104276	0.731732497	110.4264031	0.482164836
18:00:00	118.2306734	22.81778648	22.11162467	0.086264833	17.21443718	16.73945935	0.363524131	104.7833615	0.702753307	105.8195544	0.462049534
18:30:00	106.6364386	22.47791968	21.77827802	0.084964337	16.94119602	16.46665352	0.357753989	101.6559872	0.681778864	102.4712281	0.447429433
19:00:00	97.83997526	22.14311513	21.44995677	0.083683446	16.67229197	16.19829365	0.352075435	99.43090139	0.666855822	100.0745004	0.436964383
19:30:00	91.22348993	21.81329744	21.12658518	0.082421865	16.40765618	15.93430728	0.346487015	97.88793358	0.65650756	98.39699077	0.42963972
20:00:00	86.28289922	21.48839232	20.80808861	0.081179304	16.14722089	15.67462315	0.3409873	96.64451634	0.648168301	97.14220534	0.424160837
20:30:00	82.62017981	21.16832661	20.49439359	0.079955475	15.89091944	15.41917114	0.33557488	95.41689355	0.639934971	95.91952936	0.418822156
21:00:00	79.92689374	20.85302821	20.18542771	0.078750096	15.63868621	15.16788227	0.33024837	94.20486459	0.631806225	94.71224254	0.413550669
21:30:00	77.96698227	20.54242613	19.88111968	0.077562888	15.39045662	14.9206887	0.325006407	93.00823137	0.623780734	93.52015117	0.408345533
22:00:00	76.56135913	20.23645041	19.58139929	0.076393579	15.14616713	14.67752368	0.319847648	91.82679833	0.615857186	92.34306401	0.40320591
22:30:00	75.54617367	19.93503214	19.28619738	0.075241898	14.9057552	14.43832157	0.314770774	90.6603724	0.608034287	91.1807922	0.398130977
23:00:00	74.60495447	19.63810344	18.99544582	0.074107579	14.66915927	14.20301777	0.309774483	89.50876294	0.600310757	90.03314928	0.393119919
23:30:00	73.67546178	19.34559745	18.70907752	0.07299036	14.43631878	13.97154876	0.304857498	88.37178175	0.592685336	88.89995111	0.388171933
24:00:00	72.75754952	19.05744827	18.4270264	0.071889985	14.20717412	13.74385204	0.300018559	87.24924301	0.585156776	87.78101588	0.383286225
24:30:00	71.85107339	18.77359103	18.14922739	0.070806198	13.98166663	13.51986613	0.295256427	86.14096327	0.577723848	86.67616409	0.37846201
25:00:00	70.95589093	18.49396179	17.87561636	0.06973875	13.75973856	13.29953056	0.290569884	85.04676141	0.570385335	85.58521846	0.373698515
25:30:00	70.07186141	18.21849757	17.6061302	0.068687394	13.54133132	13.08278584	0.285957729	83.9664586	0.56314004	84.50800397	0.368994975
26:00:00	69.1988459	17.94713635	17.34070671	0.067651889	13.32639438	12.86957344	0.281418782	82.89987829	0.555986778	83.4443478	0.364350637
26:30:00	68.33670716	17.679817	17.07928464	0.066631994	13.11486732	12.6598358	0.276951881	81.84684617	0.54892438	82.39407928	0.359764754
27:00:00	67.48530969	17.41647932	16.82180368	0.065627475	12.90669778	12.45351629	0.272555881	80.80719015	0.541951692	81.35702992	0.355236591
27:30:00	66.64451967	17.15706401	16.56820441	0.064638099	12.70183247	12.2505592	0.268229659	79.78074031	0.535067574	80.33303333	0.350765422
28:00:00	65.81420492	16.90151265	16.3184283	0.063663639	12.50021895	12.05090975	0.263972106	78.76732891	0.528270901	79.32192524	0.346350529
28:30:00	64.99423496	16.64976768	16.07241773	0.06270387	12.30180559	11.85451401	0.259782132	77.76679032	0.521560563	78.3235434	0.341991203
29:00:00	64.18448088	16.4017724	15.83011592	0.06175857	12.10654161	11.66131897	0.255658665	76.77896103	0.514935463	77.33772766	0.337686747
29:30:00	63.38481542	16.15747097	15.59146696	0.06082752	11.91437702	11.47127246	0.251600648	75.8036796	0.508394517	76.36431984	0.333436468
30:00:00	62.59511287	15.91680836	15.35641578	0.059910507	11.72526261	11.28432317	0.247607044	74.84078663	0.501936658	75.40316378	0.329239685
30:30:00	61.81524912	15.67973038	15.12490815	0.059007318	11.53914997	11.10042062	0.243676829	73.89012478	0.495560829	74.45410526	0.325095724
31:00:00	61.04510159	15.44618363	14.89689065	0.058117746	11.35599147	10.91951517	0.239808998	72.95153866	0.489265989	73.51699202	0.321003921
31:30:00	60.28454921	15.21611552	14.67231065	0.057241584	11.17574019	10.74155796	0.23600256	72.0248749	0.483051109	72.59167372	0.31696362
32:00:00	59.53347245	14.98947423	14.45111633	0.056378632	10.99835001	10.56650095	0.232256541	71.10998204	0.476915173	71.6780019	0.312974172
32:30:00	58.79175325	14.76620873	14.23325666	0.055528688	10.82377551	10.39429688	0.228569982	70.20671057	0.470857179	70.77582996	0.309034937
33:00:00	58.05927503	14.54626872	14.01868136	0.054691558	10.65197199	10.22489925	0.224941938	69.31491286	0.464876136	69.88501317	0.305145282
33:30:00	57.33592264	14.32960468	13.80734092	0.053867049	10.48289547	10.05826231	0.221371482	68.43444318	0.458971067	69.00540861	0.301304585
34:00:00	56.62158241	14.11616781	13.59918656	0.053054969	10.31650267	9.894341093	0.217857699	67.56515762	0.453141007	68.13687515	0.297512228
34:30:00	55.91614204	13.90591004	13.39417027	0.052255132	10.15275099	9.733091324	0.214399689	66.70691413	0.447385003	67.27927344	0.293767604
35:00:00	55.21949065	13.69878403	13.19224473	0.051467353	9.991598502	9.57446947	0.210996568	65.85957244	0.441702114	66.4324659	0.290070111
35:30:00	54.53151875	13.49474312	12.99336334	0.05069145	9.833003954	9.418432703	0.207647464	65.02299407	0.436091412	65.59631667	0.286419157
36:00:00	53.85211819	13.29374136	12.79748021	0.049927245	9.676926745	9.264938894	0.204351519	64.1970423	0.43055198	64.77069159	0.282814155

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	147.240	130.065	651.965	653.808
Sum Flow	161.508	130.845	678.040	680.546
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	6.60	4.859	36.865	37.003
00:30:00	6.85	5.015	37.275	37.415
01:00:00	7.95	5.727	39.103	39.253
01:30:00	10.26	7.197	42.915	43.085
02:00:00	14.28	9.699	49.488	49.693
02:30:00	20.03	13.423	59.271	59.532
03:00:00	27.84	18.303	73.590	73.932
03:30:00	38.59	24.731	94.193	94.646
04:00:00	53.56	33.280	123.580	124.183
04:30:00	74.15	44.739	164.836	165.639
05:00:00	99.40	59.924	219.029	220.097
05:30:00	125.42	78.216	282.424	283.818
06:00:00	147.11	97.325	348.668	350.423
06:30:00	159.47	114.325	412.100	414.216
07:00:00	161.51	126.128	470.911	473.353
07:30:00	155.63	130.845	524.940	527.632
08:00:00	144.81	129.343	573.893	576.721
08:30:00	131.64	123.413	617.165	620.020
09:00:00	117.17	114.780	652.082	654.877
09:30:00	101.81	104.889	674.116	676.789
10:00:00	86.24	94.232	678.040	680.546
10:30:00	71.13	82.995	662.791	665.104
11:00:00	57.99	71.585	633.371	635.484
11:30:00	47.78	60.389	595.158	597.068
12:00:00	40.37	50.022	551.746	553.452
12:30:00	35.19	41.442	506.474	507.980
13:00:00	31.54	34.837	462.060	463.379
13:30:00	28.95	29.960	419.901	421.048
14:00:00	27.16	26.321	379.888	380.881
14:30:00	25.95	23.654	341.799	342.656
15:00:00	25.17	21.704	306.347	307.094
15:30:00	24.69	20.299	274.152	274.813
16:00:00	24.32	19.305	244.799	245.395
16:30:00	23.96	18.619	218.242	218.788
17:00:00	23.60	18.164	194.818	195.328
17:30:00	23.25	17.861	175.124	175.606
18:00:00	22.90	17.578	159.415	159.877
18:30:00	22.56	17.299	147.180	147.627
19:00:00	22.23	17.024	137.758	138.195
19:30:00	21.90	16.754	130.530	130.959
20:00:00	21.57	16.488	124.989	125.413
20:30:00	21.25	16.226	120.735	121.154
21:00:00	20.93	15.969	117.459	117.873
21:30:00	20.62	15.715	114.926	115.335
22:00:00	20.31	15.466	112.956	113.359
22:30:00	20.01	15.221	111.385	111.783
23:00:00	19.71	14.979	109.896	110.290
23:30:00	19.42	14.741	108.428	108.816
24:00:00	19.13	14.507	106.979	107.363
24:30:00	18.84	14.277	105.550	105.929
25:00:00	18.56	14.050	104.140	104.514
25:30:00	18.29	13.827	102.749	103.118
26:00:00	18.01	13.608	101.377	101.742
26:30:00	17.75	13.392	100.024	100.384
27:00:00	17.48	13.179	98.689	99.044
27:30:00	17.22	12.970	97.371	97.722
28:00:00	16.97	12.764	96.072	96.418
28:30:00	16.71	12.562	94.790	95.132
29:00:00	16.46	12.362	93.525	93.863
29:30:00	16.22	12.166	92.277	92.611
30:00:00	15.98	11.973	91.047	91.376
30:30:00	15.74	11.783	89.832	90.157
31:00:00	15.50	11.596	88.634	88.955
31:30:00	15.27	11.412	87.453	87.770
32:00:00	15.05	11.231	86.287	86.600
32:30:00	14.82	11.052	85.137	85.446
33:00:00	14.60	10.877	84.002	84.307
33:30:00	14.38	10.704	82.883	83.184
34:00:00	14.17	10.534	81.778	82.076
34:30:00	13.96	10.367	80.689	80.983
35:00:00	13.75	10.203	79.614	79.904
35:30:00	13.55	10.041	78.554	78.840
36:00:00	13.34	9.881	77.508	77.790

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q200	505.15	146.31	147.24006	0.57	128.14	130.065	2.71	651.96489	4.37	653.80787	2.85
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	53.18118218	13.09573349	12.60455014	0.04917456	9.523326916	9.1139466	0.20110789	63.38158214	0.425082912	63.95545821	0.279254528
37:00:00	52.51860528	12.90067491	12.41452862	0.048433223	9.372165145	8.965415054	0.197915747	62.57648034	0.419683315	63.15048572	0.275739703
37:30:00	51.86428333	12.70852169	12.22737179	0.047703061	9.223402733	8.819304151	0.194774272	61.7816053	0.414352305	62.35564498	0.272269118
38:00:00	51.21811348	12.51923056	12.04303646	0.046983908	9.077001595	8.675574443	0.191682661	60.99682713	0.409089013	61.57080847	0.268842215
38:30:00	50.57999417	12.33275888	11.86148011	0.046275596	8.932924253	8.534187122	0.188640122	60.22201757	0.403892578	60.79585027	0.265458444
39:00:00	49.94982511	12.14906467	11.68266084	0.045577962	8.791133819	8.395104015	0.185645877	59.45705	0.39876215	60.03064604	0.262117264
39:30:00	49.32750723	11.96810655	11.50653737	0.044890846	8.651593996	8.258287569	0.182699159	58.70179939	0.393696891	59.27507302	0.258818137
40:00:00	48.71294272	11.78984377	11.33306908	0.044214088	8.514269059	8.123700844	0.179799213	57.95614233	0.388695973	58.52900999	0.255560534
40:30:00	48.10603498	11.61423618	11.16221593	0.043547533	8.379123851	7.991307501	0.176945298	57.21995693	0.383758579	57.79233725	0.252343933
41:00:00	47.50668863	11.44124423	10.99393851	0.042891026	8.246123775	7.861071796	0.174136683	56.49312291	0.378883902	57.06493661	0.249167817
41:30:00	46.91480944	11.27082897	10.82819796	0.042244417	8.115234782	7.732958564	0.171372648	55.77552145	0.374071146	56.34669136	0.246031678
42:00:00	46.3303044	11.10295201	10.66495607	0.041607556	7.986423362	7.606933216	0.168652485	55.06703531	0.369319523	55.63748627	0.242935011
42:30:00	45.75308162	10.93757555	10.50417514	0.040980296	7.859656539	7.482961724	0.1659755	54.36754867	0.364628258	54.93720756	0.239877321
43:00:00	45.18305038	10.77466234	10.34581809	0.040362492	7.734901859	7.361010617	0.163341006	53.67694723	0.359996584	54.24574288	0.236858115
43:30:00	44.62012108	10.6141757	10.18984838	0.039754002	7.612127384	7.241046968	0.160748328	52.99511813	0.355423742	53.56298128	0.233876911
44:00:00	44.06420524	10.45607947	10.03623	0.039154685	7.491301682	7.123038387	0.158196804	52.32194994	0.350908988	52.88881324	0.23093323
44:30:00	43.51521547	10.30033806	9.884927518	0.038564404	7.372393822	7.006953012	0.155685779	51.65733263	0.346451582	52.22313058	0.2280266
45:00:00	42.97306549	10.14691639	9.735906016	0.037983021	7.25537336	6.8927595	0.153214611	51.0011576	0.342050795	51.5658265	0.225156553
45:30:00	42.43767008	9.995779902	9.589131107	0.037410403	7.140210341	6.780427019	0.150782668	50.3533176	0.33770591	50.91679555	0.22232263
46:00:00	41.90894509	9.846894569	9.444568922	0.036846418	7.026875279	6.669925241	0.148389326	49.71370676	0.333416215	50.2759336	0.219524377
46:30:00	41.38680741	9.700226856	9.302186103	0.036290935	6.915339161	6.561224328	0.146033973	49.08222055	0.32918101	49.64313783	0.216761343
47:00:00	40.87117497	9.555743732	9.161949794	0.035743826	6.805573433	6.454294933	0.143716007	48.45875576	0.324999603	49.01830672	0.214033086
47:30:00	40.36196672	9.413412658	9.023827636	0.035204966	6.697549993	6.349108184	0.141434833	47.84321052	0.320871309	48.40134002	0.211339168
48:00:00	39.85910263	9.27320158	8.887787757	0.034674229	6.591241187	6.245635682	0.139189867	47.2354842	0.316795455	47.79213873	0.208679157
48:30:00	39.36250365	9.13507892	8.753798764	0.034151493	6.486619798	6.143849489	0.136980536	46.63547751	0.312771375	47.19060514	0.206052627
49:00:00	38.87209173	8.999013572	8.62182974	0.033636638	6.383659042	6.043722123	0.134806272	46.04309237	0.30879841	46.59664272	0.203459155
49:30:00	38.38778978	8.864974893	8.491850231	0.033129544	6.282332561	5.94522655	0.132666521	45.45823198	0.304875911	46.01015618	0.200898325
50:00:00	37.90952168	8.732932696	8.363830246	0.032630095	6.182614413	5.848336176	0.130560733	44.88080075	0.301003238	45.43105142	0.198369727
50:30:00	37.43721225	8.602857244	8.237740242	0.032138176	6.084479071	5.753024841	0.12848837	44.31070432	0.297179758	44.85923554	0.195872956
51:00:00	36.97078726	8.474719241	8.113551125	0.031653673	5.987901411	5.659266811	0.126448901	43.74784952	0.293404845	44.2946168	0.19340761
51:30:00	36.5101734	8.348489832	7.991234236	0.031176474	5.892856707	5.567036772	0.124441804	43.19214435	0.289677882	43.7371046	0.190973293
52:00:00	36.05529826	8.224140586	7.870761352	0.030706469	5.799320629	5.476309821	0.122466565	42.64349801	0.285998261	43.18660951	0.188569617
52:30:00	35.60609035	8.1016435	7.752104672	0.03024355	5.707269229	5.387061463	0.120522679	42.10182082	0.282365381	42.6430432	0.186196194
53:00:00	35.16247905	7.980970986	7.635236817	0.029787609	5.616678941	5.299267601	0.118609648	41.56702426	0.278778647	42.10631846	0.183852644
53:30:00	34.72439464	7.862095867	7.520130817	0.029338542	5.527526574	5.212904531	0.116726982	41.03902093	0.275237473	41.57634919	0.181538591
54:00:00	34.29176827	7.744991371	7.406760114	0.028896245	5.439789304	5.127948934	0.114874199	40.51772454	0.271741281	41.05305034	0.179253663
54:30:00	33.86453193	7.629631126	7.295098544	0.028460616	5.353444669	5.044377873	0.113050825	40.0030499	0.268289499	40.53633798	0.176997495
55:00:00	33.44261847	7.515989151	7.185120344	0.028031554	5.268470564	4.962168784	0.111256393	39.49491289	0.264881563	40.02612919	0.174769724
55:30:00	33.02596157	7.404039852	7.076800133	0.027608961	5.184845236	4.88129947	0.109490443	38.99323046	0.261516917	39.52234212	0.172569993
56:00:00	32.61449573	7.293758018	6.970112919	0.027192739	5.102547275	4.801748098	0.107752525	38.49792064	0.25819501	39.02489595	0.170397949
56:30:00	32.2081563	7.185118812	6.865034081	0.026782791	5.021555612	4.722196726	0.106042191	38.00890247	0.254915299	38.53371085	0.168253243
57:00:00	31.80687938	7.078097768	6.761539372	0.026379023	4.941849513	4.642645353	0.104359006	37.52609603	0.251677248	38.04870804	0.166135531
57:30:00	31.41060193	6.972670782	6.659604912	0.025981343	4.863408572	4.563093981	0.102702537	37.04942242	0.248480329	37.5698097	0.164044473
58:00:00	31.01926163	6.868814112	6.559207177	0.025589658	4.786212707	4.483542608	0.101072361	36.57880373	0.245324018	37.09693898	0.161979735
58:30:00	30.63279699	6.766504369	6.460323002	0.025203878	4.709016843	4.403991236	0.099442186	36.11416306	0.2422078	36.63002003	0.159940984
59:00:00	30.25114726	6.66571851	6.362929568	0.024823913	4.631820979	4.324439864	0.09781201	35.65542446	0.239131166	36.16897794	0.157927894
59:30:00	29.87425245	6.564932652	6.267004401	0.024449677	4.554625114	4.244888491	0.096181834	35.20251298	0.236093613	35.71373873	0.155940142
60:00:00	29.50205332	6.464146794	6.172525366	0.024081083	4.47742925	4.165337119	0.094551658	34.75535458	0.233094644	35.26422937	0.153977409
60:30:00	29.13449137	6.363360935	6.079470663	0.023718046	4.400233386	4.085785746	0.092921482	34.31387619	0.230133769	34.82037774	0.152039379
61:00:00	28.77150882	6.262575077	5.986415959	0.023355008	4.323037521	4.006234374	0.091291306	33.87800566	0.227210505	34.38211263	0.150125742
61:30:00	28.41304862	6.161789219	5.893361255	0.022991971	4.245841657	3.926683001	0.089661131	33.44767176	0.224324373	33.94936372	0.148236191
62:00:00	28.05905442	6.06100336	5.800306551	0.022628933	4.168645792	3.847131629	0.088030955	33.02280415	0.221474903	33.52206158	0.146370423
62:30:00	27.70947059	5.960217502	5.707251848	0.022265896	4.091449928	3.767580257	0.086400779	32.60333341	0.218661627	33.10013767	0.144528138
63:00:00	27.36424218	5.859431644	5.614197144	0.021902858	4.014254064	3.688028884	0.084770603	32.18919098	0.215884088	32.68352428	0.142709041
63:30:00	27.02331491	5.758645785	5.52114244	0.021539821	3.937058199	3.608477512	0.083140427	31.78030917	0.213141829	32.27215458	0.140912841
64:00:00	26.68663522	5.657859927	5.428087736	0.021176783	3.859862335	3.528926139	0.081510251	31.37142737	0.210399571	31.86078487	0.13911664
64:30:00	26.35415016	5.557074069	5.335033033	0.020813746	3.782666471	3.449374767	0.079880076	30.96254556	0.207657313	31.44941517	0.137320439
65:00:00	26.02580749	5.45628821	5.241978329	0.020450708	3.705470606	3.369823395	0.0782499	30.55366375	0.204915054	31.03804547	0.135524238
65:30:00	25.7015556	5.355502352	5.148923625	0.020087671	3.628274742	3.290272022	0.076619724	30.14478195	0.202172796	30.62667576	0.133728037
66:00:00	25.38134352	5.254716494	5.055868921	0.019724633	3.551078877	3.21072065	0.074989548	29.73590014	0.199430538	30.21530606	0.131931836
66:30:00	25.06113143	5.153930635	4.962814218	0.019361596	3.473883013	3.131169277	0.073359372	29.32701833	0.19668828	29.80393636	0.130135635
67:00:00	24.74091935	5.053144777	4.869759514	0.018998558	3.396687149	3.051617905	0.071729196	28.91813653	0.193946021	29.39256665	0.128339434
67:30:00	24.42070727	4.952358919	4.77670481	0.018635521	3.319491284	2.972066532	0.070099021	28.50925472	0.191203763	28.98119695	0.126543233
68:00:00	24.10049518	4.85157306	4.683650106	0.018272483	3.24229542	2.89251516	0.068468845	28.10037291	0.188461505	28.56982725	0.124747032
68:30:00	23.7802831	4.750787202	4.590595403	0.017909446	3.165099556	2.812963788	0.066838669	27.69149111	0.185719246	28.15845755	0.122950831
69:00:00	23.46007102	4.650001344	4.497540699	0.017546408	3.087903691	2.733412415	0.065208493	27.2826093	0.182976988	27.74708784	0.121154631
69:30:00	23.13985893	4.549215485	4.404485995	0.017183371	3.010707827	2.653861043	0.063578317	26.8737275	0.18023473	27.33571814	0.11935843
70:00:00	22.81964685	4.448429627	4.311431291	0.016820334	2.933511962	2.57430967	0.061948141	26.46484569	0.177492472	26.92434844	0.117562229
70:30:00	22.49943476	4.347643769	4.218376588	0.016457296	2.856316098	2.494758298	0.060317966	26.05596388	0.174750213	26.51297873	0.115766028
71:00:00	22.17922268	4.24685791	4.125321884	0.016094259	2.779120234	2.415206926	0.05868779	25.64708208	0.172007955	26.10160903	0.113969827
71:30:00	21.8590106	4.146072052	4.03226718	0.015731221	2.701924369	2.335655553	0.057057614	25.23820027	0.169265697	25.69023933	0.112173626
72:00:00	21.53879851	4.045286193	3.939212476	0.015368184	2.624728505	2.256104181	0.055427438	24.82931846	0.166523438	25.27886962	0.110377425
72:30:00	21.21858643	3.944500335	3.846157773	0.015005146	2.547532641	2.176552808	0.053797262	24.42043666	0.16378118	24.86749992	0.108581224

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	147.240	130.065	651.965	653.808
Sum Flow	161.508	130.845	678.040	680.546
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	13.14	9.724	76.476	76.755
37:00:00	12.95	9.570	75.457	75.733
37:30:00	12.76	9.418	74.453	74.725
38:00:00	12.57	9.269	73.462	73.731
38:30:00	12.38	9.122	72.484	72.750
39:00:00	12.19	8.977	71.520	71.782
39:30:00	12.01	8.834	70.568	70.827
40:00:00	11.83	8.694	69.630	69.885
40:30:00	11.66	8.556	68.704	68.956
41:00:00	11.48	8.420	67.790	68.039
41:30:00	11.31	8.287	66.889	67.135
42:00:00	11.14	8.155	65.999	66.242
42:30:00	10.98	8.026	65.122	65.362
43:00:00	10.82	7.898	64.256	64.493
43:30:00	10.65	7.773	63.402	63.636
44:00:00	10.50	7.649	62.560	62.791
44:30:00	10.34	7.528	61.729	61.957
45:00:00	10.18	7.409	60.909	61.134
45:30:00	10.03	7.291	60.100	60.322
46:00:00	9.88	7.175	59.301	59.521
46:30:00	9.74	7.061	58.514	58.731
47:00:00	9.59	6.949	57.737	57.951
47:30:00	9.45	6.839	56.970	57.182
48:00:00	9.31	6.730	56.214	56.423
48:30:00	9.17	6.624	55.468	55.674
49:00:00	9.03	6.518	54.732	54.935
49:30:00	8.90	6.415	54.006	54.207
50:00:00	8.77	6.313	53.289	53.488
50:30:00	8.63	6.213	52.582	52.778
51:00:00	8.51	6.114	51.885	52.078
51:30:00	8.38	6.017	51.197	51.388
52:00:00	8.25	5.922	50.518	50.707
52:30:00	8.13	5.828	49.848	50.034
53:00:00	8.01	5.735	49.187	49.371
53:30:00	7.89	5.644	48.535	48.717
54:00:00	7.77	5.555	47.892	48.071
54:30:00	7.66	5.466	47.257	47.434
55:00:00	7.54	5.380	46.631	46.806
55:30:00	7.43	5.294	46.013	46.186
56:00:00	7.32	5.210	45.404	45.574
56:30:00	7.21	5.128	44.803	44.971
57:00:00	7.10	5.046	44.209	44.375
57:30:00	7.00	4.966	43.624	43.788
58:00:00	6.89	4.887	43.046	43.208
58:30:00	6.79	4.808	42.475	42.635
59:00:00	6.69	4.730	41.910	42.068
59:30:00	6.59	4.651	41.351	41.506
60:00:00	6.49	4.572	40.795	40.949
60:30:00	6.39	4.493	40.245	40.397
61:00:00	6.29	4.414	39.699	39.849
61:30:00	6.18	4.336	39.158	39.306
62:00:00	6.08	4.257	38.621	38.767
62:30:00	5.98	4.178	38.088	38.233
63:00:00	5.88	4.099	37.560	37.703
63:30:00	5.78	4.020	37.037	37.178
64:00:00	5.68	3.941	36.517	36.657
64:30:00	5.58	3.863	36.002	36.140
65:00:00	5.48	3.784	35.491	35.627
65:30:00	5.38	3.705	34.984	35.118
66:00:00	5.27	3.626	34.481	34.613
66:30:00	5.17	3.547	33.978	34.108
67:00:00	5.07	3.468	33.475	33.604
67:30:00	4.97	3.390	32.972	33.099
68:00:00	4.87	3.311	32.470	32.594
68:30:00	4.77	3.232	31.967	32.090
69:00:00	4.67	3.153	31.464	31.585
69:30:00	4.57	3.074	30.961	31.080
70:00:00	4.47	2.995	30.458	30.575
70:30:00	4.36	2.917	29.955	30.071
71:00:00	4.26	2.838	29.452	29.566
71:30:00	4.16	2.759	28.949	29.061
72:00:00	4.06	2.680	28.446	28.557
72:30:00	3.96	2.601	27.943	28.052

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q200	505.15	146.31	147.24006	0.57	128.14	130.065	2.71	651.96489	4.37	653.80787	2.85
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	20.89837434	3.843714477	3.753103069	0.014642109	2.470336776	2.097001436	0.052167086	24.01155485	0.161038922	24.45613022	0.106785023
73:30:00	20.57816226	3.742928618	3.660048365	0.014279071	2.393140912	2.017450063	0.050536911	23.60267304	0.158296664	24.04476051	0.104988822
74:00:00	20.25795018	3.64214276	3.566993661	0.013916034	2.315945047	1.937898691	0.048906735	23.19379124	0.155554405	23.63339081	0.103192621
74:30:00	19.93773809	3.541356902	3.473938958	0.013552996	2.238749183	1.858347319	0.047276559	22.78490943	0.152812147	23.22202111	0.101396421
75:00:00	19.61752601	3.440571043	3.380884254	0.013189959	2.161553319	1.778795946	0.045646383	22.37602762	0.150069889	22.8106514	0.09960022
75:30:00	19.29731393	3.339785185	3.28782955	0.012826921	2.084357454	1.699244574	0.044016207	21.96714582	0.14732763	22.3992817	0.097804019
76:00:00	18.97710184	3.238999327	3.194774846	0.012463884	2.00716159	1.619693201	0.042386031	21.55826401	0.144585372	21.987912	0.096007818
76:30:00	18.65688976	3.138213468	3.101720143	0.012100846	1.929965726	1.540141829	0.040755855	21.14938221	0.141843114	21.57654229	0.094211617
77:00:00	18.33667767	3.03742761	3.008665439	0.011737809	1.852769861	1.460590457	0.03912568	20.7405004	0.139100856	21.16517259	0.092415416
77:30:00	18.01646559	2.936641752	2.915610735	0.011374771	1.775573997	1.381039084	0.037495504	20.33161859	0.136358597	20.75380289	0.090619215
78:00:00	17.69625351	2.835855893	2.822556031	0.011011734	1.698378133	1.301487712	0.035865328	19.92273679	0.133616339	20.34243319	0.088823014
78:30:00	17.37604142	2.735070035	2.729501328	0.010648696	1.621182268	1.221936339	0.034235152	19.51385498	0.130874081	19.93106348	0.087026813
79:00:00	17.05582934	2.634284177	2.636446624	0.010285659	1.543986404	1.142384967	0.032604976	19.10497317	0.128131822	19.51969378	0.085230612
79:30:00	16.73561725	2.533498318	2.54339192	0.009922621	1.466790539	1.062833594	0.0309748	18.69609137	0.125389564	19.10832408	0.083434411
80:00:00	16.41540517	2.43271246	2.450337216	0.009559584	1.389594675	0.983282222	0.029344625	18.28720956	0.122647306	18.69695437	0.081638211

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	147.240	130.065	651.965	653.808
Sum Flow	161.508	130.845	678.040	680.546
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	3.86	2.523	27.440	27.547
73:30:00	3.76	2.444	26.937	27.042
74:00:00	3.66	2.365	26.434	26.538
74:30:00	3.55	2.286	25.931	26.033
75:00:00	3.45	2.207	25.429	25.528
75:30:00	3.35	2.128	24.926	25.023
76:00:00	3.25	2.050	24.423	24.519
76:30:00	3.15	1.971	23.920	24.014
77:00:00	3.05	1.892	23.417	23.509
77:30:00	2.95	1.813	22.914	23.005
78:00:00	2.85	1.734	22.411	22.500
78:30:00	2.75	1.655	21.908	21.995
79:00:00	2.64	1.577	21.405	21.490
79:30:00	2.54	1.498	20.902	20.986
80:00:00	2.44	1.419	20.399	20.481

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q500	552.29	162.93	163.96347	0.64	153.50	155.80656	3.24	712.81089	4.78	714.82587	3.12
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	27.5478838	7.322023664	6.721778858	0.026223904	5.699984904	5.670665096	0.120368853	34.39455307	0.230674847	34.68230444	0.151436497
00:30:00	27.5478838	7.601136549	6.956616388	0.027140084	5.883622321	5.869885676	0.124246798	34.80500313	0.233427623	35.08099411	0.153177332
01:00:00	27.5478838	8.82342378	7.991729573	0.031178406	6.71885617	6.762468669	0.141884764	37.22966993	0.249689199	37.46497721	0.163586734
01:30:00	27.5478838	11.38765818	10.12581333	0.03950418	8.443191547	8.604604862	0.178298241	42.40921239	0.284426972	42.56407843	0.185851403
02:00:00	27.5478838	15.84585895	13.74313862	0.053616574	11.37785656	11.7450244	0.240270732	51.3417565	0.344335099	51.35945329	0.224255447
02:30:00	27.79250916	22.22808123	18.68359485	0.072890944	15.74761913	16.31578951	0.33254875	65.39641379	0.438595836	65.19748571	0.284677705
03:00:00	29.43455697	30.89888628	25.10414895	0.09793967	21.47250861	22.26766801	0.453443523	86.1953816	0.578088816	85.74810846	0.374409756
03:30:00	32.98720314	42.84098062	33.55995542	0.130928595	29.01348281	30.09748757	0.612689281	114.2346179	0.766140294	113.5617093	0.495854809
04:00:00	39.14921613	59.47038452	44.8467762	0.174962253	39.04233721	40.50004224	0.824472597	151.7755227	1.017916861	150.8076386	0.658485093
04:30:00	48.87426155	82.34121917	60.19876157	0.234855476	52.48507383	54.46479226	1.108348224	202.3057965	1.356809568	200.9476277	0.877415883
05:00:00	63.46739824	110.3792033	80.65946938	0.314679531	70.29929146	72.97680829	1.484538158	269.2932931	1.80607636	267.4328086	1.167716169
05:30:00	83.77858582	139.2603989	105.146335	0.410210972	91.75832532	95.19941976	1.93769713	351.4778059	2.357265378	349.0674036	1.524164718
06:00:00	110.9948683	163.3124525	129.9850855	0.507115234	114.1757317	118.2047236	2.411094436	442.1622309	2.965460978	439.2571055	1.917968207
06:30:00	147.6396162	176.9940025	150.3982295	0.586753727	134.1189792	138.2261536	2.832243942	532.9652782	3.574452147	529.8610944	2.313580636
07:00:00	196.2596851	179.219964	161.9199447	0.631703786	147.9658741	151.3870363	3.124654341	614.296953	4.119921414	611.5721032	2.670362837
07:30:00	256.1931194	172.6642468	163.96347	0.639676261	153.49908	155.80656	3.241501255	675.4593065	4.530120567	673.9278575	2.942632432
08:00:00	322.9679466	160.6363948	158.6374812	0.6188978	151.737766	152.9112743	3.204306887	707.8419265	4.74730193	708.0892252	3.091794316
08:30:00	391.1245806	146.0133715	148.5595851	0.579580561	144.7807547	144.9508175	3.057392904	712.81089	4.780627407	714.82587	3.12120914
09:00:00	454.6684071	129.9503518	136.0337517	0.530713101	134.6532987	134.0470642	2.843527379	696.2625361	4.66964213	699.8244361	3.055707016
09:30:00	506.5858854	112.8949332	122.3366409	0.477276097	123.0495477	121.8254351	2.598486346	664.3243094	4.455441191	669.1430674	2.921740169
10:00:00	539.8392721	95.60956005	107.8086819	0.420597677	110.5470231	108.7428321	2.33446555	621.7624766	4.169990636	627.4882684	2.739859035
10:30:00	552.29196	78.84858928	92.76273958	0.36189843	97.36499579	95.01501866	2.056095425	573.1658295	3.844066234	579.3547941	2.529689473
11:00:00	547.3143369	64.2676278	77.98352954	0.304239796	83.97892596	81.18028821	1.773416453	522.5001378	3.504265317	529.0185953	2.309901955
11:30:00	529.283305	52.9505866	64.31993479	0.250933549	70.84496931	67.77548514	1.496061455	471.2178003	3.160328724	478.075178	2.087463084
12:00:00	501.5978909	44.74376121	53.26543993	0.207806272	58.682763	55.75777511	1.239227297	419.9863032	2.816733105	427.1891149	1.865274643
12:30:00	467.4757393	39.01507418	45.02978323	0.175676225	48.61700857	45.81401921	1.026664748	369.6206235	2.478944286	377.0513308	1.646353482
13:00:00	430.4486958	34.96780041	39.06559502	0.152411836	40.86856409	38.38178205	0.863037758	322.7597287	2.1646611	330.1943864	1.441757748
13:30:00	392.7987743	32.10671167	34.84996589	0.135961357	35.14740913	32.99541922	0.742221848	279.9761786	1.877723547	287.2592553	1.254286184
14:00:00	355.2476289	30.12253133	31.79272475	0.124034038	30.87778158	29.14234182	0.652058421	241.6569033	1.620726663	248.5376758	1.085212634
14:30:00	318.0643598	28.78254506	29.58055201	0.115403613	27.74934688	26.3228894	0.585994019	208.6493389	1.399353969	214.7589473	0.937721503
15:00:00	282.4725622	27.91431968	28.01128292	0.109281371	25.46237225	24.28256884	0.537699064	182.0205262	1.220761816	186.9767007	0.816413356
15:30:00	249.4660768	27.38934278	26.92955948	0.105061206	23.81387736	22.831443	0.50288714	161.6327253	1.084026419	165.532998	0.722781768
16:00:00	218.9681672	26.98138347	26.21716446	0.102281915	22.64712322	21.82382151	0.478248328	146.1237918	0.98001225	149.1715688	0.651341373
16:30:00	191.1563863	26.57950065	25.7711096	0.100541706	21.84245953	21.14901269	0.461255924	134.4476649	0.901703665	136.8224128	0.597420132
17:00:00	166.4923566	26.18360379	25.38259391	0.099025977	21.30929308	20.72234406	0.449996836	125.7339062	0.843262872	127.5846308	0.557084365
17:30:00	145.7194531	25.79360375	24.99993534	0.097533098	20.95399723	20.38462847	0.442493912	119.286663	0.800022977	120.7321804	0.527163888
18:00:00	129.2648006	25.40941269	24.62304558	0.096062725	20.62139883	20.05241669	0.435470299	114.56249	0.768339243	115.6953877	0.505171283
18:30:00	116.5885094	25.03094409	24.25183768	0.094614519	20.29407969	19.72561903	0.42855817	111.1432469	0.745407316	112.0345718	0.48918673
19:00:00	106.9710975	24.6581127	23.88622596	0.093188146	19.97195602	19.40414724	0.421755756	108.7105002	0.72909155	109.4141645	0.477745007
19:30:00	99.73711475	24.29083458	23.52612608	0.091783276	19.65494535	19.08791453	0.415061315	107.0235317	0.717777514	107.5800977	0.469736755
20:00:00	94.33543297	23.92902699	23.17145492	0.090399585	19.34296652	18.77683553	0.408473134	105.6640699	0.708659976	106.2082068	0.463746543
20:30:00	90.33088254	23.57260846	22.82213066	0.089036754	19.03593967	18.47082623	0.401989526	104.3218766	0.699658254	104.871422	0.457909618
21:00:00	87.38623986	23.22149872	22.47807268	0.087694469	18.73378619	18.16980401	0.39560883	102.9967325	0.690770875	103.5514626	0.452146159
21:30:00	85.24341552	22.8756187	22.13920159	0.08637242	18.43642873	17.87368761	0.389329414	101.6884209	0.681996388	102.2481167	0.446455242
22:00:00	83.70660963	22.5348905	21.8054392	0.085070301	18.14379117	17.58239706	0.38314967	100.3967282	0.673333358	100.9611754	0.440835953
22:30:00	82.59667985	22.19923738	21.47670848	0.083787813	17.85579858	17.29585373	0.377068016	99.12144308	0.66478037	99.69043216	0.435287391
23:00:00	81.56761938	21.86858376	21.15293359	0.082524659	17.57237723	17.01398024	0.371082894	97.86235724	0.656336026	98.43568304	0.429808666
23:30:00	80.55137982	21.54285516	20.8340398	0.081280548	17.29345457	16.7367005	0.365192773	96.61926488	0.647998946	97.19672676	0.424398899
24:00:00	79.54780146	21.22197823	20.51995354	0.080055193	17.01895919	16.46393963	0.359396145	95.39196284	0.639767768	95.97336454	0.419057221
24:30:00	78.55672653	20.9058807	20.21060233	0.07884831	16.74882082	16.19562399	0.353691525	94.18025056	0.631641145	94.76540012	0.413782776
25:00:00	77.57799927	20.59449139	19.90591479	0.077659622	16.4829703	15.93168113	0.348077454	92.98393	0.623617751	93.57263969	0.408574718
25:30:00	76.61146584	20.28774017	19.6058206	0.076488855	16.22133957	15.6720398	0.342552493	91.80280565	0.615696274	92.39489188	0.403432211
26:00:00	75.65697431	19.98555795	19.31025051	0.075335737	15.96386165	15.41662989	0.337115229	90.63668448	0.607875418	91.23196775	0.398354429
26:30:00	74.71437465	19.68787668	19.01913634	0.074200003	15.71047062	15.16538243	0.33176427	89.48537592	0.600153907	90.0836807	0.393340559
27:00:00	73.78351872	19.39462932	18.73241089	0.073081392	15.46110162	14.9182296	0.326498245	88.3486918	0.592530478	88.94984652	0.388389796
27:30:00	72.86426019	19.10574982	18.45000801	0.071979644	15.21569079	14.67510466	0.321315807	87.22644636	0.585003885	87.83028329	0.383501346
28:00:00	71.95645457	18.82117314	18.17186253	0.070894505	14.97417532	14.43594197	0.316215629	86.1184562	0.577572899	86.7248114	0.378674423
28:30:00	71.05995917	18.54083517	17.89791027	0.069825726	14.73649338	14.20067695	0.311196404	85.02454023	0.570236304	85.63325347	0.373908255
29:00:00	70.17463309	18.26467278	17.62808801	0.068773059	14.50258411	13.96924609	0.306256849	83.94451969	0.562992902	84.55543439	0.369202075
29:30:00	69.30033716	17.99262379	17.36233349	0.067736262	14.27238763	13.7415869	0.301395698	82.87821806	0.555841509	83.49118124	0.36455513
30:00:00	68.43693395	17.72462691	17.10058539	0.066715095	14.04584502	13.51763791	0.296611708	81.82546107	0.548780956	82.44032325	0.359966673
30:30:00	67.58428777	17.4606218	16.8427833	0.065709323	13.82289826	13.29733865	0.291903652	80.78607669	0.54181009	81.40269184	0.355435969
31:00:00	66.74226459	17.200549	16.58886775	0.064718714	13.6034903	13.08062965	0.287270327	79.75989505	0.534927771	80.37812054	0.35096229
31:30:00	65.91073206	16.94434993	16.33878013	0.063743039	13.38756495	12.86745239	0.282710545	78.74674843	0.528132874	79.36644495	0.346544919
32:00:00	65.08955947	16.69196691	16.09246274	0.062782072	13.17506694	12.65774932	0.27822314	77.74647126	0.521424289	78.36750277	0.342183147
32:30:00	64.27861776	16.44334308	15.84985874	0.061835593	12.96594186	12.45146381	0.273806962	76.75890007	0.514800919	77.38113374	0.337876274
33:00:00	63.47777946	16.19842246	15.61091214	0.060903382	12.76013619	12.24854018	0.269460882	75.78387347	0.508261683	76.40717959	0.33362361
33:30:00	62.68691869	15.95714989	15.37556782	0.059985226	12.55759722	12.04892362	0.265183786	74.82123209	0.501805511	75.44548407	0.329424472
34:00:00	61.90591115	15.71947103	15.14377146	0.059080911	12.35827312	11.85256025	0.260974579	73.87081863	0.495431348	74.49589289	0.325278185
34:30:00	61.13463406	15.48533235	14.91546958	0.058190229	12.16211284	11.65939705	0.256832184	72.93247775	0.489138153	73.5582537	0.321184086
35:00:00	60.37296621	15.25468113	14.69060949	0.057312974	11.96906617	11.46938186	0.252755541	72.0060561	0.482924897	72.63241606	0.317141517
35:30:00	59.62078788	15.02746541	14.46913931	0.056448945	11.77908369	11.28246338	0.248743605	71.09140229	0.476790564	71.71823143	0.31314983
36:00:00	58.87798083	14.80363403	14.25100793	0.055597942	11.59211677	11.09859115	0.24479535	70.18836682	0.470734152	70.81555315	0.309208383

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	163.963	155.807	712.811	714.826
Sum Flow	179.852	156.741	752.921	755.661
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	7.35	5.820	40.947	41.099
00:30:00	7.63	6.008	41.417	41.571
01:00:00	8.85	6.861	43.513	43.677
01:30:00	11.43	8.621	47.881	48.067
02:00:00	15.90	11.618	55.410	55.634
02:30:00	22.30	16.080	66.612	66.897
03:00:00	31.00	21.926	82.935	83.310
03:30:00	42.97	29.626	106.351	106.847
04:00:00	59.65	39.867	139.679	140.338
04:30:00	82.58	53.593	186.401	187.278
05:00:00	110.69	71.784	247.751	248.919
05:30:00	139.67	93.696	319.502	321.027
06:00:00	163.82	116.587	394.367	396.285
06:30:00	177.58	136.951	465.746	468.060
07:00:00	179.85	151.091	531.322	533.992
07:30:00	173.30	156.741	590.768	593.710
08:00:00	161.26	154.942	643.913	647.004
08:30:00	146.59	147.838	690.336	693.458
09:00:00	130.48	137.497	727.316	730.372
09:30:00	113.37	125.648	750.062	752.983
10:00:00	96.03	112.881	752.921	755.661
10:30:00	79.21	99.421	734.768	737.297
11:00:00	64.57	85.752	701.143	703.453
11:30:00	53.20	72.341	657.986	660.074
12:00:00	44.95	59.922	609.288	611.153
12:30:00	39.19	49.644	558.789	560.435
13:00:00	35.12	41.732	509.465	510.907
13:30:00	32.24	35.890	462.809	464.063
14:00:00	30.25	31.530	418.645	419.730
14:30:00	28.90	28.335	376.697	377.635
15:00:00	28.02	26.000	337.717	338.533
15:30:00	27.49	24.317	302.361	303.084
16:00:00	27.08	23.125	270.157	270.809
16:30:00	26.68	22.304	241.042	241.639
17:00:00	26.28	21.759	215.378	215.935
17:30:00	25.89	21.396	193.807	194.334
18:00:00	25.51	21.057	176.595	177.101
18:30:00	25.13	20.723	163.182	163.671
19:00:00	24.75	20.394	152.845	153.323
19:30:00	24.38	20.070	144.908	145.377
20:00:00	24.02	19.751	138.815	139.279
20:30:00	23.66	19.438	134.130	134.588
21:00:00	23.31	19.129	130.516	130.968
21:30:00	22.96	18.826	127.713	128.160
22:00:00	22.62	18.527	125.527	125.968
22:30:00	22.28	18.233	123.777	124.213
23:00:00	21.95	17.943	122.119	122.548
23:30:00	21.62	17.659	120.482	120.907
24:00:00	21.30	17.378	118.868	119.287
24:30:00	20.98	17.103	117.276	117.689
25:00:00	20.67	16.831	115.705	116.113
25:30:00	20.36	16.564	114.155	114.559
26:00:00	20.06	16.301	112.627	113.025
26:30:00	19.76	16.042	111.119	111.512
27:00:00	19.47	15.788	109.631	110.020
27:30:00	19.18	15.537	108.164	108.548
28:00:00	18.89	15.290	106.716	107.095
28:30:00	18.61	15.048	105.289	105.662
29:00:00	18.33	14.809	103.880	104.249
29:30:00	18.06	14.574	102.490	102.855
30:00:00	17.79	14.342	101.120	101.479
30:30:00	17.53	14.115	99.767	100.123
31:00:00	17.27	13.891	98.433	98.784
31:30:00	17.01	13.670	97.117	97.464
32:00:00	16.75	13.453	95.819	96.161
32:30:00	16.51	13.240	94.538	94.876
33:00:00	16.26	13.030	93.275	93.609
33:30:00	16.02	12.823	92.029	92.358
34:00:00	15.78	12.619	90.799	91.124
34:30:00	15.54	12.419	89.586	89.907
35:00:00	15.31	12.222	88.390	88.707
35:30:00	15.08	12.028	87.209	87.522
36:00:00	14.86	11.837	86.045	86.354

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q500	552.29	162.93	163.96347	0.64	153.50	155.80656	3.24	712.81089	4.78	714.82587	3.12
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	58.14442831	14.58313658	14.03616502	0.054759768	11.40811753	10.91771551	0.240909765	69.29680213	0.464754672	69.92423639	0.305316546
37:00:00	57.42001501	14.3659234	13.824561	0.05393423	11.22703887	10.73978763	0.237085855	68.4165625	0.458851146	69.04413814	0.301473693
37:30:00	56.70462708	14.15194557	13.61614704	0.053121137	11.04883444	10.56475948	0.233322641	67.54750407	0.453022609	68.17511721	0.297679208
38:00:00	55.99815207	13.9411549	13.41087506	0.052320303	10.87345861	10.39258378	0.229619159	66.68948482	0.447268109	67.31703418	0.293932482
38:30:00	55.30047893	13.73350392	13.20869768	0.051531541	10.70086648	10.22321407	0.225974463	65.84236452	0.441586705	66.46975137	0.290232914
39:00:00	54.611498	13.52894587	13.00956825	0.050754671	10.53101387	10.0566046	0.222387617	65.00600474	0.435977469	65.63313284	0.286579911
39:30:00	53.93110099	13.32743466	12.81344082	0.049989512	10.36385729	9.892710395	0.218857705	64.18026877	0.430439484	64.80704438	0.282972886
40:00:00	53.25918096	13.12892494	12.62027014	0.049235889	10.19935396	9.731487202	0.215383823	63.36502168	0.424971845	63.99135344	0.27941126
40:30:00	52.59563228	12.93337198	12.43001162	0.048493627	10.03746175	9.57289149	0.211965081	62.56013024	0.419573659	63.18592916	0.275894463
41:00:00	51.94035065	12.74073174	12.24262138	0.047762555	9.878139229	9.41688044	0.208600603	61.76546289	0.414244043	62.39064231	0.27242193
41:30:00	51.2932331	12.55096085	12.05805616	0.047042505	9.721345596	9.263411929	0.20528953	60.98088977	0.408982126	61.60536531	0.268993104
42:00:00	50.65417788	12.36401655	11.87627337	0.046333309	9.567040716	9.11244452	0.202031012	60.20628265	0.403787048	60.82997216	0.265607434
42:30:00	50.02308457	12.17985676	11.69723108	0.045634805	9.415185085	8.963937453	0.198824216	59.44151495	0.39865796	60.06433846	0.262264378
43:00:00	49.39985396	11.99844	11.52088796	0.044946832	9.265739827	8.817850631	0.195668321	58.68646168	0.393594025	59.30834137	0.258963399
43:30:00	48.7843881	11.81972541	11.34720333	0.04426923	9.118666682	8.674144611	0.192562519	57.94099943	0.388594414	58.56185961	0.255703968
44:00:00	48.17659023	11.64367274	11.1761371	0.043601844	8.973927998	8.532780593	0.189506014	57.20500639	0.38365831	57.82477341	0.252485562
44:30:00	47.57636484	11.47024234	11.0076498	0.042944518	8.83148672	8.393720408	0.186498025	56.47836227	0.378784907	57.09696451	0.249307664
45:00:00	46.98361757	11.29939515	10.84170255	0.042297103	8.691306384	8.256926511	0.183537781	55.76094832	0.373973408	56.37831614	0.246169764
45:30:00	46.39825525	11.13109271	10.67825706	0.041659447	8.5533511	8.122361967	0.180624524	55.05264729	0.369223027	55.66871301	0.243071359
46:00:00	45.82018589	10.9652971	10.51727562	0.041031405	8.417585552	7.989990445	0.177757509	54.35334341	0.364532987	54.96804127	0.240011953
46:30:00	45.2493186	10.80197098	10.35872107	0.040412831	8.283974982	7.859776204	0.174936002	53.66292242	0.359902523	54.2761885	0.236991053
47:00:00	44.68556368	10.64107758	10.20255683	0.039803582	8.152485184	7.731684086	0.172159279	52.98127147	0.355330877	53.5930437	0.234008176
47:30:00	44.12883249	10.48258065	10.04874687	0.039203518	8.023082496	7.605679508	0.169426631	52.30827916	0.350817302	52.91849727	0.231062842
48:00:00	43.57903755	10.32644451	9.897255687	0.0386125	7.89573379	7.481728448	0.166737358	51.6438355	0.34636106	52.252441	0.22815458
48:30:00	43.03609242	10.17263399	9.74804833	0.038030392	7.770406464	7.35979744	0.16409077	50.98783192	0.341961424	51.59476801	0.225282923
49:00:00	42.49991177	10.02111444	9.601090368	0.03745706	7.647068431	7.239853562	0.161486192	50.34016119	0.337617673	50.94537279	0.22244741
49:30:00	41.97041131	9.871851757	9.45634789	0.036892372	7.525688118	7.121864431	0.158922956	49.70071747	0.3333291	50.30415115	0.219647585
50:00:00	41.44750783	9.724812311	9.313787495	0.036336196	7.406234448	7.005798188	0.156400405	49.06939625	0.329095001	49.67100022	0.216883001
50:30:00	40.93111913	9.579962991	9.173376288	0.035788405	7.288676842	6.891623496	0.153917894	48.44609437	0.324914686	49.04581842	0.214153213
51:00:00	40.42116405	9.437271175	9.035081869	0.035248872	7.172985203	6.779309529	0.151474788	47.83070995	0.320787471	48.42850544	0.211457783
51:30:00	39.91756242	9.296704729	8.898872324	0.034717473	7.059129913	6.668825962	0.14907046	47.22314242	0.316712682	47.81896224	0.208796279
52:00:00	39.4202351	9.158231994	8.764716225	0.034194085	6.947081824	6.560142965	0.146704296	46.6232925	0.312689653	47.21709103	0.206168274
52:30:00	38.92910391	9.021821785	8.632582613	0.033678588	6.836812251	6.453231193	0.144375689	46.03106214	0.308717726	46.62279525	0.203573347
53:00:00	38.44409165	8.887443382	8.502440998	0.033170862	6.728292964	6.34806178	0.142084044	45.44635457	0.304796253	46.03597954	0.20101108
53:30:00	37.9651221	8.755066521	8.37426135	0.032670791	6.621496181	6.244606332	0.139828774	44.86907421	0.300924592	45.45654976	0.198481063
54:00:00	37.49211995	8.624661389	8.248014091	0.032178258	6.516394561	6.142836914	0.137609301	44.29912674	0.29710211	44.88441295	0.19598289
54:30:00	37.02501088	8.496198618	8.123670089	0.03169315	6.412961196	6.04272605	0.135425058	43.736419	0.293328183	44.31947731	0.19351616
55:00:00	36.56372145	8.369649277	8.001200651	0.031215356	6.311169608	5.94424671	0.133275484	43.18085903	0.289602195	43.76165221	0.191080478
55:30:00	36.10817916	8.244984865	7.880577517	0.030744765	6.210993737	5.847372305	0.13116003	42.63235603	0.285923535	43.21084815	0.188675452
56:00:00	35.65831241	8.122177307	7.761772852	0.030281268	6.112407935	5.752076678	0.129078155	42.09082037	0.282291604	42.66697676	0.186300697
56:30:00	35.21405049	8.001198946	7.644759242	0.029824759	6.015386966	5.656781052	0.127029324	41.55616355	0.278705807	42.12995078	0.183955832
57:00:00	34.77532356	7.882022535	7.529509687	0.029375132	5.91990599	5.561485425	0.125013014	41.02829818	0.275165559	41.59968406	0.18164048
57:30:00	34.34206267	7.764621235	7.41599759	0.028932284	5.825940564	5.466189798	0.123028709	40.50713799	0.27167028	41.07609151	0.17935427
58:00:00	33.91419972	7.648968607	7.30419676	0.028496111	5.733466631	5.370894172	0.1210759	39.99259782	0.2682194	40.55908914	0.177096836
58:30:00	33.49166746	7.535038603	7.194081398	0.028066514	5.640992698	5.275598545	0.119123091	39.48459358	0.264812355	40.048594	0.174867814
59:00:00	33.07439946	7.422805567	7.085626095	0.027643394	5.548518765	5.180302918	0.117170282	38.98304224	0.261448587	39.54452418	0.172666849
59:30:00	32.66233015	7.31057253	6.978805823	0.027226652	5.456044833	5.085007292	0.115217473	38.48786183	0.258127548	39.04679881	0.170493585
60:00:00	32.25539475	7.198339493	6.873595934	0.026816194	5.3635709	4.989711665	0.113264665	37.99897143	0.254848694	38.55533804	0.168347675
60:30:00	31.8535293	7.086106456	6.76997215	0.026411923	5.271096967	4.894416038	0.111311856	37.51629114	0.251611489	38.07006302	0.166228775
61:00:00	31.45667063	6.97387342	6.666348367	0.026007652	5.178623034	4.799120412	0.109359047	37.03974207	0.248415405	37.59089589	0.164136544
61:30:00	31.06475638	6.861640383	6.562724583	0.025603381	5.086149101	4.703824785	0.107406238	36.56924635	0.245259919	37.11775977	0.162070647
62:00:00	30.67772493	6.749407346	6.459100799	0.02519911	4.993675168	4.608529158	0.105453429	36.10472708	0.242144516	36.65057876	0.160030752
62:30:00	30.29551545	6.63717431	6.355477016	0.024794839	4.901201236	4.513233532	0.10350062	35.64610835	0.239068686	36.18927791	0.158016532
63:00:00	29.91806786	6.524941273	6.251853232	0.024390568	4.808727303	4.417937905	0.101547811	35.1933152	0.236031926	35.7337832	0.156027664
63:30:00	29.54532284	6.412708236	6.148229448	0.023986297	4.71625337	4.322642278	0.099595002	34.74627363	0.233033741	35.28402155	0.154063829
64:00:00	29.1772218	6.300475199	6.044605665	0.023582026	4.623779437	4.227346652	0.097642193	34.29923207	0.230035555	34.8342599	0.152099994
64:30:00	28.81370687	6.188242163	5.940981881	0.023177755	4.531305504	4.132051025	0.095689384	33.8521905	0.22703737	34.38449825	0.150136159
65:00:00	28.45472093	6.076009126	5.837358097	0.022773484	4.438831571	4.036755399	0.093736576	33.40514894	0.224039185	33.9347366	0.148172323
65:30:00	28.10020755	5.963776089	5.733734313	0.022369213	4.346357639	3.941459772	0.091783767	32.95810737	0.221040999	33.48497495	0.146208488
66:00:00	27.750111	5.851543053	5.63011053	0.021964942	4.253883706	3.846164145	0.089830958	32.51106581	0.218042814	33.0352133	0.144244653
66:30:00	27.40001444	5.739310016	5.526486746	0.021560671	4.161409773	3.750868519	0.087878149	32.06402424	0.215044629	32.58545165	0.142280818
67:00:00	27.04991789	5.627076979	5.422862962	0.0211564	4.06893584	3.655572892	0.08592534	31.61698268	0.212046443	32.13569	0.140316983
67:30:00	26.69982134	5.514843942	5.319239179	0.020752129	3.976461907	3.560277265	0.083972531	31.16994112	0.209048258	31.68592835	0.138353148
68:00:00	26.34972478	5.402610906	5.215615395	0.020347858	3.883987974	3.464981639	0.082019722	30.72289955	0.206050073	31.2361667	0.136389313
68:30:00	25.99962823	5.290377869	5.111991611	0.019943587	3.791514042	3.369686012	0.080066913	30.27585799	0.203051887	30.78640505	0.134425477
69:00:00	25.64953168	5.178144832	5.008367828	0.019539316	3.699040109	3.274390385	0.078114104	29.82881642	0.200053702	30.3366434	0.132461642
69:30:00	25.29943513	5.065911796	4.904744044	0.019135045	3.606566176	3.179094759	0.076161295	29.38177486	0.197055517	29.88688175	0.130497807
70:00:00	24.94933857	4.953678759	4.80112026	0.018730774	3.514092243	3.083799132	0.074208487	28.93473329	0.194057331	29.43712011	0.128533972
70:30:00	24.59924202	4.841445722	4.697496477	0.018326503	3.42161831	2.988503505	0.072255678	28.48769173	0.191059146	28.98735846	0.126570137
71:00:00	24.24914547	4.729212685	4.593872693	0.017922232	3.329144377	2.893207879	0.070302869	28.04065017	0.188060961	28.53759681	0.124606302
71:30:00	23.89904892	4.616979649	4.490248909	0.017517961	3.236670445	2.797912252	0.06835006	27.5936086	0.185062775	28.08783516	0.122642466
72:00:00	23.54895236	4.504746612	4.386625126	0.01711369	3.144196512	2.702616625	0.066397251	27.14656704	0.18206459	27.63807351	0.120678631
72:30:00	23.19885581	4.392513575	4.283001342	0.016709419	3.051722579	2.607320999	0.064444442	26.69952547	0.179066405	27.18831186	0.118714796

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	163.963	155.807	712.811	714.826
Sum Flow	179.852	156.741	752.921	755.661
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	14.64	11.649	84.896	85.201
37:00:00	14.42	11.464	83.763	84.064
37:30:00	14.21	11.282	82.645	82.943
38:00:00	13.99	11.103	81.542	81.836
38:30:00	13.79	10.927	80.454	80.744
39:00:00	13.58	10.753	79.381	79.667
39:30:00	13.38	10.583	78.322	78.605
40:00:00	13.18	10.415	77.277	77.556
40:30:00	12.98	10.249	76.246	76.522
41:00:00	12.79	10.087	75.230	75.502
41:30:00	12.60	9.927	74.227	74.496
42:00:00	12.41	9.769	73.237	73.503
42:30:00	12.23	9.614	72.261	72.524
43:00:00	12.04	9.461	71.298	71.557
43:30:00	11.86	9.311	70.348	70.604
44:00:00	11.69	9.163	69.411	69.663
44:30:00	11.51	9.018	68.486	68.736
45:00:00	11.34	8.875	67.574	67.820
45:30:00	11.17	8.734	66.674	66.917
46:00:00	11.01	8.595	65.786	66.026
46:30:00	10.84	8.459	64.911	65.148
47:00:00	10.68	8.325	64.046	64.280
47:30:00	10.52	8.193	63.194	63.425
48:00:00	10.37	8.062	62.353	62.581
48:30:00	10.21	7.934	61.523	61.748
49:00:00	10.06	7.809	60.705	60.927
49:30:00	9.91	7.685	59.897	60.117
50:00:00	9.76	7.563	59.100	59.317
50:30:00	9.62	7.443	58.314	58.529
51:00:00	9.47	7.324	57.539	57.750
51:30:00	9.33	7.208	56.774	56.983
52:00:00	9.19	7.094	56.019	56.225
52:30:00	9.06	6.981	55.275	55.478
53:00:00	8.92	6.870	54.540	54.741
53:30:00	8.79	6.761	53.815	54.014
54:00:00	8.66	6.654	53.100	53.296
54:30:00	8.53	6.548	52.395	52.588
55:00:00	8.40	6.444	51.699	51.890
55:30:00	8.28	6.342	51.012	51.201
56:00:00	8.15	6.241	50.335	50.521
56:30:00	8.03	6.142	49.666	49.850
57:00:00	7.91	6.045	49.007	49.188
57:30:00	7.79	5.949	48.356	48.536
58:00:00	7.68	5.855	47.714	47.892
58:30:00	7.56	5.760	47.080	47.255
59:00:00	7.45	5.666	46.452	46.625
59:30:00	7.34	5.571	45.830	46.000
60:00:00	7.23	5.477	45.212	45.381
60:30:00	7.11	5.382	44.600	44.766
61:00:00	7.00	5.288	43.993	44.157
61:30:00	6.89	5.194	43.391	43.553
62:00:00	6.77	5.099	42.794	42.954
62:30:00	6.66	5.005	42.201	42.359
63:00:00	6.55	4.910	41.614	41.770
63:30:00	6.44	4.816	41.031	41.185
64:00:00	6.32	4.721	40.453	40.605
64:30:00	6.21	4.627	39.879	40.029
65:00:00	6.10	4.533	39.310	39.458
65:30:00	5.99	4.438	38.746	38.892
66:00:00	5.87	4.344	38.185	38.330
66:30:00	5.76	4.249	37.625	37.767
67:00:00	5.65	4.155	37.065	37.205
67:30:00	5.54	4.060	36.505	36.643
68:00:00	5.42	3.966	35.945	36.081
68:30:00	5.31	3.872	35.385	35.519
69:00:00	5.20	3.777	34.824	34.957
69:30:00	5.09	3.683	34.264	34.395
70:00:00	4.97	3.588	33.704	33.833
70:30:00	4.86	3.494	33.144	33.271
71:00:00	4.75	3.399	32.584	32.708
71:30:00	4.63	3.305	32.024	32.146
72:00:00	4.52	3.211	31.463	31.584
72:30:00	4.41	3.116	30.903	31.022

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q500	552.29	162.93	163.96347	0.64	153.50	155.80656	3.24	712.81089	4.78	714.82587	3.12
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	22.84875926	4.280280539	4.179377558	0.016305148	2.959248646	2.512025372	0.062491633	26.25248391	0.176068219	26.73855021	0.116750961
73:30:00	22.49866271	4.168047502	4.075753775	0.015900877	2.866774713	2.416729746	0.060538824	25.80544234	0.173070034	26.28878856	0.114787126
74:00:00	22.14856615	4.055814465	3.972129991	0.015496606	2.77430078	2.321434119	0.058586015	25.35840078	0.170071849	25.83902691	0.112823291
74:30:00	21.7984696	3.943581428	3.868506207	0.015092335	2.681826848	2.226138492	0.056633206	24.91135921	0.167073663	25.38926526	0.110859456
75:00:00	21.44837305	3.831348392	3.764882424	0.014688064	2.589352915	2.130842866	0.054680398	24.46431765	0.164075478	24.93950361	0.10889562
75:30:00	21.09827649	3.719115355	3.66125864	0.014283793	2.496878982	2.035547239	0.052727589	24.01727609	0.161077293	24.48974196	0.106931785
76:00:00	20.74817994	3.606882318	3.557634856	0.013879522	2.404405049	1.940251612	0.05077478	23.57023452	0.158079107	24.03998031	0.10496795
76:30:00	20.39808339	3.494649281	3.454011073	0.013475251	2.311931116	1.844955986	0.048821971	23.12319296	0.155080922	23.59021866	0.103004115
77:00:00	20.04798684	3.382416245	3.350387289	0.01307098	2.219457183	1.749660359	0.046869162	22.67615139	0.152082737	23.14045701	0.10104028
77:30:00	19.69789028	3.270183208	3.246763505	0.012666709	2.126983251	1.654364732	0.044916353	22.22910983	0.149084551	22.69069537	0.099076445
78:00:00	19.34779373	3.157950171	3.143139722	0.012262438	2.034509318	1.559069106	0.042963544	21.78206826	0.146086366	22.24093372	0.09711261
78:30:00	18.99769718	3.045717135	3.039515938	0.011858167	1.942035385	1.463773479	0.041010735	21.3350267	0.143088181	21.79117207	0.095148774
79:00:00	18.64760063	2.933484098	2.935892154	0.011453896	1.849561452	1.368477852	0.039057926	20.88798514	0.140089995	21.34141042	0.093184939
79:30:00	18.29750407	2.821251061	2.83226837	0.011049625	1.757087519	1.273182226	0.037105117	20.44094357	0.13709181	20.89164877	0.091221104
80:00:00	17.94740752	2.709018024	2.728644587	0.010645354	1.664613586	1.177886599	0.035152309	19.99390201	0.134093625	20.44188712	0.089257269

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	163.963	155.807	712.811	714.826
Sum Flow	179.852	156.741	752.921	755.661
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	4.30	3.022	30.343	30.460
73:30:00	4.18	2.927	29.783	29.898
74:00:00	4.07	2.833	29.223	29.336
74:30:00	3.96	2.738	28.663	28.774
75:00:00	3.85	2.644	28.103	28.211
75:30:00	3.73	2.550	27.542	27.649
76:00:00	3.62	2.455	26.982	27.087
76:30:00	3.51	2.361	26.422	26.525
77:00:00	3.40	2.266	25.862	25.963
77:30:00	3.28	2.172	25.302	25.401
78:00:00	3.17	2.077	24.742	24.839
78:30:00	3.06	1.983	24.181	24.277
79:00:00	2.94	1.889	23.621	23.714
79:30:00	2.83	1.794	23.061	23.152
80:00:00	2.72	1.700	22.501	22.590

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q1000	587.41	175.74	176.86086	0.69	175.92	178.56228	3.71	758.14116	5.08	760.28428	3.32
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
00:00:00	29.2997552	7.897975093	7.250514944	0.028286681	6.532473988	6.49887199	0.137948857	36.58182939	0.24534431	36.88787993	0.161066901
00:30:00	29.2997552	8.199043038	7.503824828	0.029274927	6.742931852	6.727188956	0.14239318	37.01838147	0.248272146	37.31192374	0.162918443
01:00:00	29.2997552	9.517475557	8.620360164	0.033630904	7.700152527	7.75013468	0.16260719	39.59724177	0.265567855	39.84751311	0.173989817
01:30:00	29.2997552	12.283413	10.92231125	0.042611584	9.676328988	9.861316896	0.204338896	45.10617041	0.302514731	45.27088496	0.197670378
02:00:00	29.2997552	17.09229648	14.82417587	0.057834061	13.03960507	13.46039817	0.275362538	54.60676791	0.366232636	54.6255901	0.238516677
02:30:00	29.55993719	23.97654528	20.15324909	0.078624556	18.04757628	18.69872857	0.381117862	69.55521261	0.466487761	69.34363397	0.302781409
03:00:00	31.30640886	33.32939709	27.07884489	0.105643618	24.60859218	25.51988549	0.51966945	91.6768634	0.614851613	91.20114651	0.398219852
03:30:00	35.08498089	46.21085828	36.19978631	0.141227457	33.25093398	34.49325884	0.702173226	121.499218	0.814861977	120.7835167	0.527388042
04:00:00	41.63885898	64.14833347	48.37443003	0.188724809	44.74451364	46.41511809	0.944887729	161.4274872	1.082649944	160.3980518	0.700360586
04:30:00	51.98235586	88.81819124	64.93400476	0.253329241	60.15057678	62.41943527	1.270223705	215.1711673	1.443094086	213.7266275	0.933213991
05:00:00	67.50352387	119.0616473	87.00415477	0.339432268	80.56658055	83.63515166	1.701356594	286.4186455	1.920931408	284.439846	1.241975542
05:30:00	89.10637467	150.2146418	113.4171608	0.442478226	105.15973	109.1034001	2.220699933	373.8295742	2.507172566	371.2658856	1.621091966
06:00:00	118.0534408	176.1586334	140.2097309	0.547004991	130.8512233	135.4686539	2.763237438	470.2809557	3.154045565	467.1910828	2.03993887
06:30:00	157.0285632	190.916376	162.2285757	0.632907859	153.7072041	158.4142359	3.245896294	566.8585033	3.801764724	563.5569131	2.46070975
07:00:00	208.7405614	193.317432	174.6565907	0.681393696	169.5764533	173.49728	3.581013556	653.3623589	4.381922392	650.4642259	2.840181046
07:30:00	272.4853835	186.2460412	176.86086	0.689993287	175.91779	178.56228	3.71492609	718.4142517	4.818207619	716.7854122	3.129765267
08:00:00	343.5066679	173.2720766	171.1159281	0.667580389	173.8992342	175.2441346	3.672299443	752.8562019	5.049200346	753.1192272	3.288412904
08:30:00	415.9976334	157.4988042	160.2453033	0.625170451	165.9261436	166.1210443	3.503928511	758.14116	5.084645113	760.28428	3.319698325
09:00:00	483.5824458	140.172265	146.7341861	0.57245907	154.3195615	153.6247858	3.258827691	740.5404353	4.966601873	744.3288497	3.25003068
09:30:00	538.8015477	121.7752648	131.9596586	0.514818703	141.02107	139.6181743	2.977998144	706.5711392	4.738779108	711.6963398	3.107544388
10:00:00	574.1696398	103.1302217	116.2889283	0.45368195	126.6925378	124.6248427	2.67541682	661.3026426	4.4351757	667.3925587	2.914096763
10:30:00	587.41424	85.05083059	100.0594699	0.390365413	111.5852609	108.892067	2.35639043	609.6155557	4.088524564	616.1980994	2.690561745
11:00:00	582.1200715	69.3229286	84.11772513	0.328171341	96.24414076	93.03675888	2.032425882	555.7278461	3.727114455	562.6608363	2.456797129
11:30:00	562.9423799	57.11568731	69.37935006	0.270672018	81.19195525	77.67416953	1.714562881	501.1842758	3.361305669	508.4777394	2.22021255
12:00:00	533.4963483	48.26331187	57.45530706	0.224152343	67.25344528	63.90125968	1.420217811	446.6947791	2.995859538	454.3556442	1.983894328
12:30:00	497.2042434	42.0840055	48.57183242	0.189494941	55.71757631	52.50520726	1.176610267	393.1261604	2.636589484	401.0294137	1.751051164
13:00:00	457.8225139	37.71837259	42.13957898	0.164400572	46.83746296	43.98748367	0.989085374	343.2852087	2.302319872	351.1926637	1.533444434
13:30:00	417.7782952	34.6322302	37.59126919	0.146656097	40.28072702	37.81443661	0.850624168	297.780895	1.997134904	305.5271294	1.334050863
14:00:00	377.8391341	32.49197396	34.29354503	0.133790573	35.38751565	33.398613	0.747292273	257.0247559	1.723794641	264.343102	1.154225302
14:30:00	338.291244	31.04658417	31.90736246	0.124481278	31.80216961	30.16737644	0.671579092	221.9181188	1.488344042	228.4162598	0.997354667
15:00:00	300.4360328	30.11006405	30.21465444	0.117877459	29.18117981	27.82906482	0.616230605	193.5958819	1.298394556	198.8672378	0.868332088
15:30:00	265.3305434	29.5437924	29.04784248	0.113325336	27.29192042	26.16600044	0.576334362	171.9115456	1.152963652	176.059851	0.768746123
16:00:00	232.8931595	29.10374295	28.27941036	0.110327425	25.9547655	25.01121472	0.548097024	155.4163419	1.042334838	158.6579383	0.69276257
16:30:00	203.312725	28.67024797	27.79826877	0.108450331	25.03257484	24.23784933	0.528622861	142.9976871	0.959046322	145.523454	0.635412278
17:00:00	177.0802188	28.24320981	27.37919238	0.106815374	24.42153885	23.74886527	0.51571937	133.7297884	0.896889064	135.6982075	0.592511412
17:30:00	154.9862899	27.82253231	26.96643383	0.105205065	24.01435165	23.36182595	0.507120636	126.8725412	0.850899385	128.4099844	0.560688181
18:00:00	137.4852254	27.40812073	26.55989787	0.103619033	23.63317688	22.98109428	0.499071216	121.8479407	0.817200765	123.0528836	0.537296985
18:30:00	124.0028021	26.99988173	26.1594907	0.102056911	23.25805242	22.60656745	0.491149563	118.2112553	0.792810512	119.1592629	0.520295916
19:00:00	113.7737836	26.59772337	25.76511991	0.100518338	22.88888223	22.23814436	0.483353649	115.6238013	0.775457167	116.3722142	0.508126571
19:30:00	106.0797652	26.2015551	25.37669452	0.099002961	22.5255718	21.875725	0.475681478	113.8295523	0.76342363	114.4215124	0.499609045
20:00:00	100.3345706	25.81128767	24.99412488	0.097510429	22.16802813	21.51921307	0.468131086	112.3836373	0.753726275	112.9623778	0.493237893
20:30:00	96.07535608	25.42683321	24.61732272	0.096040398	21.81615967	21.16851078	0.460700539	110.956089	0.744152099	111.540582	0.487029777
21:00:00	92.94345272	25.04810513	24.24620109	0.094592529	21.46987634	20.82352394	0.453387936	109.5466741	0.734699539	110.1366815	0.480899798
21:30:00	90.66435829	24.67501814	23.88067436	0.093166487	21.12908949	20.4841594	0.446191405	108.1551622	0.72536705	108.7504511	0.474846975
22:00:00	89.02982126	24.30748821	23.52065816	0.091761944	20.79371189	20.15032555	0.439109102	106.7813259	0.716153107	107.3816685	0.468870335
22:30:00	87.84930695	23.94543257	23.16606944	0.090378574	20.46365766	19.82193225	0.432139215	105.4249407	0.707056203	106.0301139	0.46296892
23:00:00	86.75480473	23.58876968	22.81682637	0.089016061	20.13884231	19.49889083	0.42527996	104.085785	0.698074852	104.6955707	0.457141782
23:30:00	85.67393876	23.23741923	22.47284835	0.087674087	19.81918269	19.18111407	0.418529581	102.7636398	0.689207586	103.3778246	0.451387988
24:00:00	84.60653915	22.89130207	22.13405603	0.086352345	19.50459696	18.86851618	0.411886348	101.4582891	0.680452957	102.0766643	0.445706613
24:30:00	83.55243812	22.55034027	21.8003712	0.085050529	19.19500458	18.56101274	0.405348563	100.1695196	0.671809532	100.791881	0.440096747
25:00:00	82.51146999	22.21445703	21.47171689	0.083768339	18.8903263	18.25852074	0.39891455	98.8971206	0.663275901	99.52326851	0.434557489
25:30:00	81.48347113	21.88357671	21.14801725	0.082505479	18.59048411	17.9609585	0.392582663	97.6408842	0.654850667	98.27062338	0.429087951
26:00:00	80.46827997	21.5576248	20.82919758	0.081261657	18.29540126	17.66824569	0.386351281	96.40060509	0.646532455	97.03374461	0.423687255
26:30:00	79.46573694	21.23652788	20.51518432	0.080036586	18.00500219	17.38030327	0.380218808	95.17608057	0.638319905	95.81243377	0.418354534
27:00:00	78.47568444	20.92021364	20.20590501	0.078829984	17.71921257	17.09705349	0.374183674	93.96711053	0.630211674	94.60649489	0.413088934
27:30:00	77.49796687	20.60861084	19.90128828	0.077641573	17.43795922	16.81841989	0.368244335	92.77349737	0.622206437	93.41573452	0.407889609
28:00:00	76.53243055	20.30164931	19.60126383	0.076471077	17.16117015	16.54432722	0.36239927	91.59504603	0.614302887	92.23996159	0.402755724
28:30:00	75.57892371	19.99925992	19.30576245	0.075318228	16.8887745	16.27470149	0.356646983	90.43156392	0.606499731	91.07898748	0.397686458
29:00:00	74.63729648	19.70137456	19.01471593	0.074182758	16.62070252	16.0094699	0.350986	89.28286089	0.598795694	89.93262591	0.392680995
29:30:00	73.70740085	19.40792615	18.72805713	0.073064406	16.35688559	15.74856083	0.345414873	88.14874921	0.591189518	88.80069297	0.387738533
30:00:00	72.78909066	19.1188486	18.44571988	0.071962914	16.09725618	15.49190384	0.339932175	87.02904353	0.583679959	87.68300706	0.38285828
30:30:00	71.88222157	18.83407681	18.16763905	0.070878028	15.84174781	15.23942963	0.334536503	85.92356087	0.576265789	86.57938885	0.378039451
31:00:00	70.98665103	18.55354664	17.89375046	0.069809497	15.59029507	14.99107004	0.329226475	84.83212055	0.568945798	85.48966128	0.373281275
31:30:00	70.10223828	18.27719492	17.62399091	0.068757075	15.34283358	14.74675801	0.324000732	83.75454421	0.561718788	84.41364952	0.368582987
32:00:00	69.22884431	18.00495941	17.35829816	0.067720519	15.0993	14.50642757	0.318857937	82.69065574	0.55458358	83.35118093	0.363943834
32:30:00	68.36633182	17.7367788	17.09661089	0.066699589	14.85963198	14.27001384	0.313796771	81.64028126	0.547539006	82.30208505	0.359363071
33:00:00	67.51456527	17.47259269	16.83886872	0.065694051	14.62376816	14.03745298	0.308815941	80.60324912	0.540583915	81.26619357	0.354839964
33:30:00	66.67341075	17.21234158	16.58501218	0.064703672	14.39164815	13.80868221	0.30391417	79.57938983	0.533717172	80.24334029	0.350373787
34:00:00	65.84273605	16.95596687	16.33498269	0.063728223	14.16321254	13.58363975	0.299090204	78.56853607	0.526937652	79.23336111	0.345963823
34:30:00	65.02241062	16.70341081	16.08872255	0.06276748	13.93840284	13.36226485	0.294342808	77.57052264	0.52024425	78.23609399	0.341609365
35:00:00	64.21230551	16.45461652	15.84617493	0.061821221	13.71716149	13.14449774	0.289670767	76.58518643	0.513635869	77.25137892	0.337309714
35:30:00	63.41229338	16.20952799	15.60728387	0.060889227	13.49943186	12.93027961	0.285072883	75.61236641	0.507111432	76.27905793	0.333064181
36:00:00	62.62224849	15.96809	15.37199425	0.059971284	13.28515821	12.71955263	0.280547981	74.6519036	0.500669871	75.31897501	0.328872083

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	176.861	178.562	758.141	760.284
Sum Flow	193.999	179.633	811.557	814.471
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
00:00:00	7.93	6.670	44.142	44.303
00:30:00	8.23	6.885	44.662	44.825
01:00:00	9.55	7.863	46.979	47.153
01:30:00	12.33	9.881	51.809	52.007
02:00:00	17.15	13.315	60.131	60.370
02:30:00	24.06	18.429	72.510	72.813
03:00:00	33.44	25.128	90.485	90.883
03:30:00	46.35	33.953	116.205	116.732
04:00:00	64.34	45.689	152.748	153.448
04:30:00	89.07	61.421	203.918	204.851
05:00:00	119.40	82.268	271.093	272.335
05:30:00	150.66	107.380	349.651	351.272
06:00:00	176.71	133.614	431.528	433.568
06:30:00	191.55	156.953	509.333	511.793
07:00:00	194.00	173.157	580.279	583.119
07:30:00	186.94	179.633	643.872	647.002
08:00:00	173.94	177.572	700.067	703.355
08:30:00	158.12	169.430	748.636	751.956
09:00:00	140.74	157.578	786.872	790.122
09:30:00	122.29	143.999	809.829	812.937
10:00:00	103.58	129.368	811.557	814.471
10:30:00	85.44	113.942	790.886	793.576
11:00:00	69.65	98.277	753.775	756.232
11:30:00	57.39	82.907	706.597	708.817
12:00:00	48.49	68.674	653.653	655.637
12:30:00	42.27	56.894	599.009	600.760
13:00:00	37.88	47.827	545.834	547.368
13:30:00	34.78	41.131	495.686	497.020
14:00:00	32.63	36.135	448.324	449.478
14:30:00	31.17	32.474	403.424	404.422
15:00:00	30.23	29.797	361.760	362.628
15:30:00	29.66	27.868	324.009	324.778
16:00:00	29.21	26.503	289.652	290.345
16:30:00	28.78	25.561	258.612	259.247
17:00:00	28.35	24.937	231.264	231.857
17:30:00	27.93	24.521	208.286	208.847
18:00:00	27.51	24.132	189.946	190.484
18:30:00	27.10	23.749	175.647	176.167
19:00:00	26.70	23.372	164.620	165.128
19:30:00	26.30	23.001	156.145	156.645
20:00:00	25.91	22.636	149.633	150.126
20:30:00	25.52	22.277	144.619	145.106
21:00:00	25.14	21.923	140.744	141.225
21:30:00	24.77	21.575	137.733	138.208
22:00:00	24.40	21.233	135.378	135.847
22:30:00	24.04	20.896	133.488	133.951
23:00:00	23.68	20.564	131.695	132.152
23:30:00	23.33	20.238	129.926	130.377
24:00:00	22.98	19.916	128.181	128.627
24:30:00	22.64	19.600	126.460	126.900
25:00:00	22.30	19.289	124.762	125.197
25:30:00	21.97	18.983	123.087	123.517
26:00:00	21.64	18.682	121.435	121.859
26:30:00	21.32	18.385	119.806	120.224
27:00:00	21.00	18.093	118.198	118.611
27:30:00	20.69	17.806	116.613	117.021
28:00:00	20.38	17.524	115.048	115.451
28:30:00	20.07	17.245	113.505	113.903
29:00:00	19.78	16.972	111.983	112.376
29:30:00	19.48	16.702	110.482	110.870
30:00:00	19.19	16.437	109.001	109.384
30:30:00	18.90	16.176	107.540	107.918
31:00:00	18.62	15.920	106.098	106.472
31:30:00	18.35	15.667	104.677	105.045
32:00:00	18.07	15.418	103.274	103.638
32:30:00	17.80	15.173	101.891	102.250
33:00:00	17.54	14.933	100.526	100.881
33:30:00	17.28	14.696	99.180	99.530
34:00:00	17.02	14.462	97.852	98.198
34:30:00	16.77	14.233	96.542	96.883
35:00:00	16.52	14.007	95.249	95.587
35:30:00	16.27	13.785	93.974	94.307
36:00:00	16.03	13.566	92.717	93.046

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q1000	587.41	175.74	176.86086	0.69	175.92	178.56228	3.71	758.14116	5.08	760.28428	3.32
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
36:30:00	61.84204667	15.73024819	15.14025176	0.059067179	13.07428568	12.51225991	0.276094902	73.70364102	0.494310134	74.37097613	0.32473275
37:00:00	61.07156526	15.49594899	14.91200294	0.058176704	12.86676029	12.30834547	0.271712506	72.76742371	0.488031181	73.4349092	0.320645516
37:30:00	60.31068318	15.26513963	14.68719511	0.057299654	12.6625289	12.10775426	0.26739967	71.84309865	0.481831986	72.51062403	0.316609725
38:00:00	59.55928082	15.03776814	14.46577641	0.056435825	12.46153923	11.91043211	0.263155291	70.9305148	0.475711536	71.59797233	0.312624731
38:30:00	58.81724008	14.8137833	14.24769572	0.05558502	12.26373983	11.71632576	0.258978282	70.029523	0.46966883	70.69680768	0.308689894
39:00:00	58.08444431	14.59313468	14.03290275	0.054747041	12.06908006	11.5253828	0.254867574	69.13997602	0.463702882	69.8069855	0.304804583
39:30:00	57.36077835	14.37577258	13.82134791	0.053921695	11.87751009	11.33755166	0.250822115	68.26172846	0.457812717	68.92836303	0.300968174
40:00:00	56.64612844	14.16164805	13.61298239	0.053108791	11.68898086	11.15278164	0.246840868	67.39463681	0.45199737	68.0607993	0.297180051
40:30:00	55.94038226	13.95071286	13.40775812	0.052308143	11.50344412	10.97102285	0.242922815	66.53855935	0.446255893	67.20415512	0.293439608
41:00:00	55.24342887	13.74291952	13.20562773	0.051519565	11.32085236	10.79222622	0.239066952	65.69335617	0.440587347	66.35829306	0.289746244
41:30:00	54.55515872	13.53822122	13.00654458	0.050742875	11.14115885	10.61634346	0.235272292	64.85888916	0.434990805	65.5230774	0.286099366
42:00:00	53.87546363	13.33657186	12.81046274	0.049977894	10.96431757	10.4433271	0.231537864	64.03502192	0.429465353	64.69837414	0.282498389
42:30:00	53.20423677	13.13792604	12.61733695	0.049224446	10.79028326	10.27313041	0.227862712	63.22161983	0.424010088	63.88405098	0.278942736
43:00:00	52.54137263	12.94223901	12.42712266	0.048482356	10.61901135	10.10570745	0.224245895	62.41854993	0.418624119	63.07997725	0.275431836
43:30:00	51.88676702	12.7494667	12.23977596	0.047751454	10.45045801	9.941013002	0.220686487	61.625681	0.413306564	62.28602397	0.271965125
44:00:00	51.24031706	12.5595657	12.05525364	0.047031571	10.28458008	9.779002613	0.217183577	60.84288345	0.408056555	61.50206374	0.268542048
44:30:00	50.60192112	12.37249324	11.8735131	0.04632254	10.1213351	9.619632535	0.213736268	60.07002936	0.402873234	60.72797079	0.265162056
45:00:00	49.97147887	12.18820719	11.69451242	0.045624199	9.960681271	9.462859738	0.210343677	59.30699241	0.397755754	59.96362092	0.261824606
45:30:00	49.3488912	12.00666605	11.51821029	0.044936385	9.802577466	9.308641894	0.207004936	58.5536479	0.392703279	59.20889152	0.258529162
46:00:00	48.73406028	11.82782893	11.34456602	0.044258941	9.646983209	9.156937365	0.20371919	57.80987272	0.387714883	58.46366147	0.255275197
46:30:00	48.12688944	11.65165556	11.17353955	0.04359171	9.493858668	9.00770519	0.200485598	57.07554531	0.38279005	57.72781124	0.252062187
47:00:00	47.52728326	11.47810626	11.00509141	0.042934537	9.34316464	8.860905078	0.197303332	56.35054567	0.377927676	57.00122275	0.248889618
47:30:00	46.93514749	11.30714194	10.83918273	0.042287272	9.194862547	8.716497392	0.194171577	55.6347553	0.373127066	56.28377943	0.24575698
48:00:00	46.35038906	11.13872411	10.67577524	0.041649765	9.048914422	8.574443144	0.191089533	54.92805722	0.368387436	55.57536618	0.242663771
48:30:00	45.77291605	10.97281483	10.51483121	0.041021869	8.905282901	8.434703977	0.188056409	54.23033595	0.36370801	54.87586934	0.239609494
49:00:00	45.20263769	10.80937674	10.35631351	0.040403438	8.763931213	8.297242163	0.185071429	53.54147746	0.359088025	54.18517669	0.23659366
49:30:00	44.63946436	10.64837303	10.20018557	0.039794331	8.624823171	8.162020589	0.182133829	52.86136915	0.354526725	53.50317741	0.233615784
50:00:00	44.08330752	10.48976744	10.04641135	0.039194406	8.487923161	8.029002743	0.179242857	52.1898999	0.350023364	52.82976208	0.23067539
50:30:00	43.53407976	10.33352425	9.894955379	0.038603526	8.353196137	7.898152712	0.176397772	51.52695995	0.345577208	52.16482267	0.227772005
51:00:00	42.99169476	10.17960828	9.745782701	0.038021553	8.220607606	7.769435166	0.173597847	50.87244097	0.341187528	51.50825248	0.224905162
51:30:00	42.45606725	10.02798485	9.598858894	0.037448355	8.090123626	7.642815352	0.170842365	50.22623599	0.336853608	50.85994619	0.222074404
52:00:00	41.92711305	9.878619832	9.454150057	0.036883797	7.96171079	7.518259083	0.16813062	49.5882394	0.33257474	50.21979977	0.219279274
52:30:00	41.40474902	9.731479577	9.311622796	0.036327751	7.835336224	7.395732729	0.165461918	48.95834693	0.328350224	49.58771053	0.216519326
53:00:00	40.88889304	9.586530949	9.171244223	0.035780087	7.710967576	7.275203208	0.162835576	48.33645565	0.324179369	48.96357704	0.213794115
53:30:00	40.37946405	9.443741305	9.032981946	0.03524068	7.588573004	7.156637977	0.160250921	47.72246391	0.320061495	48.34729919	0.211103205
54:00:00	39.87638196	9.303078487	8.896804059	0.034709404	7.468121176	7.040005023	0.157707292	47.11627138	0.315995927	47.73877809	0.208446164
54:30:00	39.3795677	9.164510816	8.76267914	0.034186138	7.349581255	6.925272857	0.155204037	46.51777898	0.311982003	47.13791612	0.205822566
55:00:00	38.88894317	9.028007086	8.630576238	0.033670761	7.232922893	6.812410501	0.152740516	45.9268889	0.308019065	46.54461686	0.203231989
55:30:00	38.40443127	8.893536554	8.500464871	0.033163153	7.118116225	6.701387482	0.150316098	45.34350458	0.304106466	45.95878514	0.200674019
56:00:00	37.92595584	8.761068936	8.372315015	0.032663197	7.005131859	6.592173824	0.147930162	44.76753067	0.300243567	45.38032697	0.198148245
56:30:00	37.45344167	8.630574399	8.246097098	0.032170779	6.89394087	6.482960166	0.145582097	44.19887305	0.296429736	44.80914953	0.195654261
57:00:00	36.98681448	8.502023555	8.121781995	0.031685784	6.784514792	6.373746508	0.143271303	43.63743878	0.29266435	44.24516119	0.193191667
57:30:00	36.52600093	8.375387452	7.999341021	0.031208101	6.676825611	6.264532849	0.140997188	43.0831361	0.288946794	43.68827147	0.190760069
58:00:00	36.0709286	8.250637571	7.878745922	0.030737619	6.570845759	6.155319191	0.138759169	42.53587443	0.28527646	43.13839101	0.188359076
58:30:00	35.62152595	8.127745818	7.75996887	0.03027423	6.464865906	6.046105533	0.13652115	41.99556432	0.281652748	42.5954316	0.185988303
59:00:00	35.17772234	8.006684514	7.642982457	0.029817827	6.358886053	5.936891875	0.134283131	41.46211748	0.278075066	42.05930612	0.18364737
59:30:00	34.73944802	7.885623211	7.527759687	0.029368305	6.2529062	5.827678217	0.132045113	40.93544673	0.274542829	41.52992857	0.1813359
60:00:00	34.3066341	7.764561907	7.414273973	0.028925559	6.146926348	5.718464559	0.129807094	40.41546598	0.271055461	41.007214	0.179053524
60:30:00	33.87921255	7.643500604	7.302499128	0.028489488	6.040946495	5.609250901	0.127569075	39.90209028	0.267612391	40.49107855	0.176799875
61:00:00	33.45711618	7.5224393	7.190724283	0.028053417	5.934966642	5.500037243	0.125331056	39.3952357	0.264213056	39.98143941	0.174574591
61:30:00	33.04027866	7.401377997	7.078949437	0.027617346	5.828986789	5.390823585	0.123093037	38.89481942	0.260856901	39.47821483	0.172377316
62:00:00	32.62863445	7.280316693	6.967174592	0.027181275	5.723006937	5.281609927	0.120855019	38.40075966	0.257543377	38.98132406	0.170207697
62:30:00	32.22211886	7.15925539	6.855399747	0.026745204	5.617027084	5.172396269	0.118617	37.91297567	0.254271944	38.49068739	0.168065385
63:00:00	31.82066799	7.038194087	6.743624901	0.026309133	5.511047231	5.063182611	0.116378981	37.43138774	0.251042065	38.00622609	0.165950038
63:30:00	31.42421874	6.917132783	6.631850056	0.025873062	5.405067378	4.953968953	0.114140962	36.95591715	0.247853214	37.52786244	0.163861315
64:00:00	31.0327088	6.79607148	6.520075211	0.025436991	5.299087526	4.844755295	0.111902943	36.48044657	0.244664363	37.04949879	0.161772593
64:30:00	30.64607662	6.675010176	6.408300365	0.02500092	5.193107673	4.735541637	0.109664925	36.00497598	0.241475513	36.57113514	0.15968387
65:00:00	30.26426145	6.553948873	6.29652552	0.024564849	5.08712782	4.626327979	0.107426906	35.5295054	0.238286662	36.09277149	0.157595147
65:30:00	29.88720325	6.432887569	6.184750675	0.024128778	4.981147967	4.51711432	0.105188887	35.05403482	0.235097811	35.61440784	0.155506425
66:00:00	29.51484277	6.311826266	6.072975829	0.023692707	4.875168115	4.407900662	0.102950868	34.57856423	0.23190896	35.13604419	0.153417702
66:30:00	29.14248228	6.190764963	5.961200984	0.023256636	4.769188262	4.298687004	0.100712849	34.10309365	0.228720109	34.65768054	0.151328979
67:00:00	28.7701218	6.069703659	5.849426139	0.022820565	4.663208409	4.189473346	0.098474831	33.62762306	0.225531258	34.17931689	0.149240257
67:30:00	28.39776132	5.948642356	5.737651293	0.022384494	4.557228556	4.080259688	0.096236812	33.15215248	0.222342407	33.70095324	0.147151534
68:00:00	28.02540084	5.827581052	5.625876448	0.021948423	4.451248703	3.97104603	0.093998793	32.6766819	0.219153556	33.2225896	0.145062811
68:30:00	27.65304036	5.706519749	5.514101603	0.021512352	4.345268851	3.861832372	0.091760774	32.20121131	0.215964705	32.74422595	0.142974089
69:00:00	27.28067987	5.585458445	5.402326757	0.021076281	4.239288998	3.752618714	0.089522756	31.72574073	0.212775854	32.2658623	0.140885366
69:30:00	26.90831939	5.464397142	5.290551912	0.02064021	4.133309145	3.643405056	0.087284737	31.25027014	0.209587003	31.78749865	0.138796643
70:00:00	26.53595891	5.343335838	5.178777067	0.020204139	4.027329292	3.534191398	0.085046718	30.77479956	0.206398152	31.309135	0.136707921
70:30:00	26.16359843	5.222274535	5.067002221	0.019768068	3.92134944	3.42497774	0.082808699	30.29932898	0.203209301	30.83077135	0.134619198
71:00:00	25.79123795	5.101213232	4.955227376	0.019331997	3.815369587	3.315764082	0.08057068	29.82385839	0.20002045	30.3524077	0.132530475
71:30:00	25.41887746	4.980151928	4.843452531	0.018895926	3.709389734	3.206550424	0.078332662	29.34838781	0.196831599	29.87404405	0.130441753
72:00:00	25.04651698	4.859090625	4.731677685	0.018459855	3.603409881	3.097336766	0.076094643	28.87291722	0.193642748	29.3956804	0.12835303
72:30:00	24.6741565	4.738029321	4.61990284	0.018023784	3.497430029	2.988123108	0.073856624	28.39744664	0.190453897	28.91731675	0.126264307

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	176.861	178.562	758.141	760.284
Sum Flow	193.999	179.633	811.557	814.471
Time (hr)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)	Flow (m3/s)
36:30:00	15.79	13.350	91.476	91.801
37:00:00	15.55	13.138	90.252	90.573
37:30:00	15.32	12.930	89.045	89.361
38:00:00	15.09	12.725	87.854	88.167
38:30:00	14.87	12.523	86.679	86.988
39:00:00	14.65	12.324	85.520	85.825
39:30:00	14.43	12.128	84.377	84.678
40:00:00	14.21	11.936	83.249	83.546
40:30:00	14.00	11.746	82.136	82.429
41:00:00	13.79	11.560	81.038	81.328
41:30:00	13.59	11.376	79.956	80.242
42:00:00	13.39	11.196	78.887	79.170
42:30:00	13.19	11.018	77.834	78.112
43:00:00	12.99	10.843	76.794	77.069
43:30:00	12.80	10.671	75.768	76.040
44:00:00	12.61	10.502	74.757	75.025
44:30:00	12.42	10.335	73.759	74.024
45:00:00	12.23	10.171	72.774	73.036
45:30:00	12.05	10.010	71.803	72.061
46:00:00	11.87	9.851	70.845	71.100
46:30:00	11.70	9.694	69.899	70.151
47:00:00	11.52	9.540	68.967	69.216
47:30:00	11.35	9.389	68.047	68.292
48:00:00	11.18	9.240	67.139	67.382
48:30:00	11.01	9.093	66.244	66.483
49:00:00	10.85	8.949	65.361	65.597
49:30:00	10.69	8.807	64.489	64.723
50:00:00	10.53	8.667	63.629	63.860
50:30:00	10.37	8.530	62.781	63.009
51:00:00	10.22	8.394	61.945	62.170
51:30:00	10.07	8.261	61.119	61.341
52:00:00	9.92	8.130	60.305	60.524
52:30:00	9.77	8.001	59.502	59.718
53:00:00	9.62	7.874	58.709	58.923
53:30:00	9.48	7.749	57.927	58.138
54:00:00	9.34	7.626	57.156	57.364
54:30:00	9.20	7.505	56.395	56.601
55:00:00	9.06	7.386	55.644	55.848
55:30:00	8.93	7.268	54.904	55.104
56:00:00	8.79	7.153	54.173	54.371
56:30:00	8.66	7.040	53.452	53.648
57:00:00	8.53	6.928	52.741	52.934
57:30:00	8.41	6.818	52.039	52.230
58:00:00	8.28	6.710	51.347	51.536
58:30:00	8.16	6.601	50.663	50.849
59:00:00	8.04	6.493	49.985	50.169
59:30:00	7.91	6.385	49.314	49.495
60:00:00	7.79	6.277	48.648	48.827
60:30:00	7.67	6.169	47.987	48.164
61:00:00	7.55	6.060	47.332	47.507
61:30:00	7.43	5.952	46.682	46.855
62:00:00	7.31	5.844	46.038	46.208
62:30:00	7.19	5.736	45.398	45.566
63:00:00	7.06	5.627	44.764	44.930
63:30:00	6.94	5.519	44.134	44.298
64:00:00	6.82	5.411	43.510	43.672
64:30:00	6.70	5.303	42.890	43.050
65:00:00	6.58	5.195	42.276	42.433
65:30:00	6.46	5.086	41.666	41.821
66:00:00	6.34	4.978	41.060	41.214
66:30:00	6.21	4.870	40.455	40.606
67:00:00	6.09	4.762	39.850	39.999
67:30:00	5.97	4.653	39.245	39.392
68:00:00	5.85	4.545	38.639	38.784
68:30:00	5.73	4.437	38.034	38.177
69:00:00	5.61	4.329	37.429	37.570
69:30:00	5.49	4.221	36.824	36.962
70:00:00	5.36	4.112	36.218	36.355
70:30:00	5.24	4.004	35.613	35.748
71:00:00	5.12	3.896	35.008	35.140
71:30:00	5.00	3.788	34.402	34.533
72:00:00	4.88	3.680	33.797	33.926
72:30:00	4.76	3.571	33.192	33.318

Point InFlows, Check Points & Laterals

	HAP_01	HAP_02	HAP_03	HAP_03 - HAP_02	HAP_04	HAP_05	HAP_05 - HAP_04	HAP_06	HAP_01-HAP_06	HAP_07	HAP_06-HAP_07
Area	290.15	79.15	79.46	0.31	40.94	41.38	0.44	412.72	1.73	414.53	1.81
Q1000	587.41	175.74	176.86086	0.69	175.92	178.56228	3.71	758.14116	5.08	760.28428	3.32
Method	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical	Statistical
Time (hr)	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s	Flow m3/s
73:00:00	24.30179602	4.616968018	4.508127995	0.017587713	3.391450176	2.878909449	0.071618605	27.92197606	0.187265046	28.4389531	0.124175585
73:30:00	23.92943554	4.495906714	4.396353149	0.017151642	3.285470323	2.769695791	0.069380586	27.44650547	0.184076195	27.96058945	0.122086862
74:00:00	23.55707505	4.374845411	4.284578304	0.016715571	3.17949047	2.660482133	0.067142568	26.97103489	0.180887344	27.4822258	0.119998139
74:30:00	23.18471457	4.253784108	4.172803459	0.0162795	3.073510618	2.551268475	0.064904549	26.4955643	0.177698493	27.00386216	0.117909417
75:00:00	22.81235409	4.132722804	4.061028613	0.015843429	2.967530765	2.442054817	0.06266653	26.02009372	0.174509642	26.52549851	0.115820694
75:30:00	22.43999361	4.011661501	3.949253768	0.015407358	2.861550912	2.332841159	0.060428511	25.54462314	0.171320791	26.04713486	0.113731971
76:00:00	22.06763313	3.890600197	3.837478923	0.014971287	2.755571059	2.223627501	0.058190492	25.06915255	0.16813194	25.56877121	0.111643249
76:30:00	21.69527264	3.769538894	3.725704078	0.014535216	2.649591207	2.114413843	0.055952474	24.59368197	0.164943089	25.09040756	0.109554526
77:00:00	21.32291216	3.64847759	3.613929232	0.014099145	2.543611354	2.005200185	0.053714455	24.11821138	0.161754238	24.61204391	0.107465803
77:30:00	20.95055168	3.527416287	3.502154387	0.013663074	2.437631501	1.895986527	0.051476436	23.6427408	0.158565387	24.13368026	0.105377081
78:00:00	20.5781912	3.406354983	3.390379542	0.013227003	2.331651648	1.786772869	0.049238417	23.16727022	0.155376536	23.65531661	0.103288358
78:30:00	20.20583072	3.28529368	3.278604696	0.012790932	2.225671796	1.677559211	0.047000398	22.69179963	0.152187685	23.17695296	0.101199635
79:00:00	19.83347023	3.164232377	3.166829851	0.012354861	2.119691943	1.568345553	0.04476238	22.21632905	0.148998834	22.69858931	0.099110913
79:30:00	19.46110975	3.043171073	3.055055006	0.01191879	2.01371209	1.459131895	0.042524361	21.74085846	0.145809983	22.22022566	0.09702219
80:00:00	19.08874927	2.92210977	2.94328016	0.011482719	1.907732237	1.349918237	0.040286342	21.26538788	0.142621132	21.74186201	0.094933467

Langholm Checks

	HAP_03_Check	HAP_05_Check	HAP_06_Check	HAP_07_Check
Sum Area	79.460	41.380	412.720	414.450
Target Flow	176.861	178.562	758.141	760.284
Sum Flow	193.999	179.633	811.557	814.471
Time (hr)	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**	**Flow (m3/s)**
73:00:00	4.63	3.463	32.587	32.711
73:30:00	4.51	3.355	31.981	32.104
74:00:00	4.39	3.247	31.376	31.496
74:30:00	4.27	3.138	30.771	30.889
75:00:00	4.15	3.030	30.166	30.281
75:30:00	4.03	2.922	29.560	29.674
76:00:00	3.91	2.814	28.955	29.067
76:30:00	3.78	2.706	28.350	28.459
77:00:00	3.66	2.597	27.745	27.852
77:30:00	3.54	2.489	27.139	27.245
78:00:00	3.42	2.381	26.534	26.637
78:30:00	3.30	2.273	25.929	26.030
79:00:00	3.18	2.164	25.324	25.423
79:30:00	3.06	2.056	24.718	24.815
80:00:00	2.93	1.948	24.113	24.208