
WARNING 04: minimum elevation drop used for Conduit A_DL

NOTE: The summary statistics displayed in this report are based on results found at every computational time step, not just on results from each reporting time step.

Analysis Options

Flow Units CFS

Process Models:

Rainfall/Runoff NO
RDII NO
Snowmelt NO
Groundwater NO
Flow Routing YES
Ponding Allowed NO
Water Quality NO

Flow Routing Method KINWAVE

Starting Date JAN-01-2005 00:00:00

Ending Date JAN-02-2005 06:00:00

Antecedent Dry Days 0.0

Report Time Step 00:15:00

Routing Time Step 30.00 sec

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*****
Flow Routing Continuity      Volume      Volume
                             acre-feet   10^6 gal
*****                     -----
Dry Weather Inflow .....    0.000      0.000
Wet Weather Inflow .....    0.000      0.000
Groundwater Inflow .....    0.000      0.000
RDII Inflow .....           0.000      0.000
External Inflow .....       60.410     19.685
External Outflow .....      60.387     19.678
Flooding Loss .....         0.000      0.000
Evaporation Loss .....      0.000      0.000
Exfiltration Loss .....     0.000      0.000
Initial Stored Volume ....   0.000      0.000
Final Stored Volume .....   0.000      0.000
Continuity Error (%) .....  0.038

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*****
Highest Flow Instability Indexes
*****
All links are stable.

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*****
Routing Time Step Summary
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Minimum Time Step      :    30.00 sec
Average Time Step      :    30.00 sec
Maximum Time Step     :    30.00 sec
Percent in Steady State :    0.00
Average Iterations per Step :    1.00
Percent Not Converging :    0.00

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Node Depth Summary

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
A	JUNCTION	0.00	0.00	6069.00	0 00:00	0.00
B	JUNCTION	0.00	0.00	6115.00	0 00:00	0.00
C	JUNCTION	0.00	0.00	5986.00	0 00:00	0.00
OUT-A	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
OUT-B	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
OUT-C	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
POND-A	STORAGE	0.62	8.84	6077.84	0 01:17	8.82
POND-B	STORAGE	0.32	6.10	6101.10	0 00:56	6.07
POND-C	STORAGE	0.69	8.30	5979.30	0 01:16	8.29

Node Inflow Summary

Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
A	JUNCTION	446.90	446.90	0 00:40	8.81	8.81	0.000
B	JUNCTION	106.28	106.28	0 00:35	1.39	1.39	0.000
C	JUNCTION	541.71	541.71	0 00:40	9.49	9.49	0.000
OUT-A	OUTFALL	0.00	178.79	0 01:17	0	8.81	0.000
OUT-B	OUTFALL	0.00	31.39	0 00:56	0	1.39	0.000
OUT-C	OUTFALL	0.00	170.34	0 01:16	0	9.48	0.000
POND-A	STORAGE	0.00	446.90	0 00:40	0	8.81	0.035
POND-B	STORAGE	0.00	106.28	0 00:35	0	1.39	0.045

POND-C STORAGE 0.00 541.71 0 00:40 0 9.49 0.040

Node Surcharge Summary

Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
A	JUNCTION	30.00	0.000	0.000
B	JUNCTION	30.00	0.000	0.000
C	JUNCTION	30.00	0.000	0.000
POND-A	STORAGE	30.00	8.839	0.161
POND-B	STORAGE	30.00	6.095	2.905
POND-C	STORAGE	30.00	8.297	0.703

Node Flooding Summary

No nodes were flooded.

 Storage Volume Summary

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
POND-A	37.295	6	0	0	595.546	98	0 01:17	178.79
POND-B	4.578	3	0	0	98.684	56	0 00:56	31.39
POND-C	55.123	7	0	0	733.812	90	0 01:16	170.34

 Outfall Loading Summary

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
OUT-A	74.64	14.60	178.79	8.806
OUT-B	26.89	6.38	31.39	1.387
OUT-C	99.53	11.80	170.34	9.484
System	67.02	32.78	378.67	19.676

 Link Flow Summary

Link	Type	Maximum Flow CFS	Time of Max Occurrence days hr:min	Maximum Veloc ft/sec	Max/ Full Flow	Max/ Full Depth
A_DL	DUMMY	446.90	0 00:40			
B_DL	DUMMY	106.28	0 00:35			
C_DL	DUMMY	541.71	0 00:40			
OUT_A	DUMMY	178.79	0 01:17			
OUT_B	DUMMY	31.39	0 00:56			
OUT_C	DUMMY	170.34	0 01:16			

 Conduit Surcharge Summary

No conduits were surcharged.

Analysis begun on: Tue Oct 25 09:07:38 2016
 Analysis ended on: Tue Oct 25 09:07:38 2016
 Total elapsed time: < 1 sec